

SISVEL 5G MULTIMODE PROGRAM - PATENT BROCHURE

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Patent Owner Abbreviation
 3G Licensing: 3G Licensing S.A.
 Alfred Consulting: Alfred Consulting LLC
 Ariscale: Technology in Ariscale, LLC
 Intellectual Discovery: Intellectual Discovery Co., Ltd.
 JVCKENWOOD: JVCKENWOOD Corporation
 KDDI: KDDI Corporation
 KPN: Koninklijke KPN N.V.
 MELCO: Mitsubishi Electric Corporation
 NTT: Nippon Telegraph and Telephone Corporation
 Siemens: Siemens Aktiengesellschaft
 Sisvel International: Sisvel International S.A.
 Sisvel SPA: Sisvel S.p.A.
 SK Telecom: SK Telecom Co., Ltd.
 Telefónica: Telefónica S.A.
 TIM: TIM S.p.A.
 UNISOC: UNISOC (Shanghai) Technologies Co., Ltd.
 Wilus: Wilus Inc.
 Wireless Innovations: Wireless Innovations, LLC

Family code	Patent Owner	Exemplary patent	Illustrative claim(s) and relevant section(s) of the 3G Standard	Illustrative claim(s) and relevant section(s) of the 4G Standard	Illustrative claim(s) and relevant section(s) of the 5G Standard
ALF001	Alfred Consulting	EP3424238 (AT, DE, DK, ES, FI, FR, GB, IE, IT, NL, PL, SE)		13 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.6, 4.1.1.2, 4.1.1.2.1, 4.1.1.5, 6.1.3.1.1, 9.4.1, 10.5.5.12, 10.5.5.37 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4, 4.3.7.4.1, 5.5.1.2.2 3GPP TS 36.300 V14.8.0: Sections 8.7.6, 8.7.7, 19.2.1.9, 19.2.1.12 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	13 3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10129807		18 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.6, 4.1.1.2, 4.1.1.2.1, 4.1.1.5, 6.1.3.1.1, 9.4.1, 10.5.5.12, 10.5.5.37 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4, 4.3.7.4.1, 5.5.1.2.2 3GPP TS 36.300 V14.8.0: Sections 8.7.6, 8.7.7, 19.2.1.9, 19.2.1.12 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	18 3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10609616		14 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	15 3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US10834656		16 3GPP TS 23.009 V14.0.0: Sections 4.3.1, 5, 6, 6.1 3GPP TS 23.401 V14.10.0: Sections 3.1, 4.3.7.4.1, 4.3.17.4, 5.5.1.2.2 3GPP TS 24.008 V14.8.0: Sections 1, 1.5, 1.8, 4.1.1.2.1, 4.1.1.2.2, 4.1.1.5, 6.1.3.1.1, 9.4.2, 10.5.5.12n, 10.5.5.37 3GPP TS 36.300 V14.8.0: Sections 19.2.1.9, 19.2.1.12 3GPP TS 36.413 V16.1.0: Sections 8.7.6.1, 8.7.6.2, 8.7.7.1, 8.7.7.2; Figure 8.7.6.2-1, 8.7.7.2-1 3GPP TS 45.002 V14.5.0: Sections 6.3.1.2, 7	16 3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
		US11765638			1 3GPP TS 24.501 V17.8.0: Sections 1, 4.5.6, 4.6.2, 4.6.2.1, 6.1.1, 6.1.2; Table 4.5.6.1 3GPP TS 24.008 V16.1.0: Sections 4.1.1.5, 4.3.2, 10.1.3, 10.1.3.0, 13.0, 13.2 3GPP TS 23.009 V15.0.0: Sections 5, 6, 6.1 3GPP TS 23.401 V16.3.0: Section 5.5.1.2.2
ARI001	Ariscale	KR10-1458790	1	3GPP TS 25.214 V11.12.0: Sections 6A.4.1, 9, 12.1	1 3GPP TS 36.211 V11.7.0: Sections 6.3.4.2.1, 6.3.4.2.3; Table 6.3.4.2.3-1 3GPP TS 36.213 V11.13.0: Sections 7.1.4, 7.1.5, 7.2, 7.2.3, 7.2.4; Table 7.2.3-0
ARI002	Ariscale	CNZL201680021262.3		8, 10 3GPP TS 36.213 V14.9.0: Section 7.2 3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1 3GPP TS 36.331 V14.9.0: Section 6.3.2.	

ARI002	Ariscale	CNZL201910119478.9			12	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Figure 6.10.5.1-1; Tables 6.10.5-1, 6.10.5.2-2 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2		
		KR10-1955940			13	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1; Figure 6.10.5.2-1 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2, 6.10.5		
		US10256963			14	3GPP TS 36.211 V14.9.0: Sections 6.10.5, 6.10.5.1, 6.10.5.2; Tables 6.10.5-1, 6.10.5.2-1; Figure 6.10.5.2-1 3GPP TS 36.213 V14.9.0: Sections 7.2, 7.2.5 3GPP TS 36.331 V14.9.0: Sections 6.3.2, 6.10.5		
ARI003	Ariscale	AU2019342135			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		CNZL201980061783.5			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		KR10-2239148			1	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
		US10707938			10, 11	3GPP TS 36.211 V14.13.1: Section 6.10.5; Table 6.10.5-1 3GPP TS 36.213 V14.13.0: Section 7.2 3GPP TS 36.331 V14.13.0: Section 6.3.2		
BBY001	3G Licensing	CA2680720					1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3 3GPP TS 23.122 V16.7.0: Sections 1.1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US8275374					1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3 3GPP TS 23.122 V16.7.0: Sections 1.1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US8472955	1	3GPP TS 23.122 V8.12.0: Sections 1.2, 4.2, 4.4.3.1.1; Annex A 3GPP TS 22.011 V8.11.0: Sections 1.2, 3.2.2.1 3GPP TS 31.102 V8.11.0: Sections 1, 4.2.8.4, 4.2.5.3, 5.1.1.2 3GPP TS 36.331 V8.21.0: Sections 6.1, 6.3.4 3GPP TS 24.301 V8.10.0: Sections 8.2.1.1, 9.9.3.32, 9.9.3.33; Table 8.2.1.1; Figures 9.9.3.32.1, 9.9.3.33.1 3GPP TS 22.101 V8.15.0: Sections A.3			1	3GPP TS 22.011 V16.5.0: Sections 3.2.1, 3.2.2.1, 3.2.2.2 3GPP TS 23.003 V16.4.0: Section 12.1.3 3GPP TS 23.122 V16.7.0: Sections 1.1.2, 3.1, 4.4.2, 4.4.3, 4.4.3.1.1, Annex A 3GPP TS 31.102 V16.5.0: Sections 1, 3.3, 4, 4.2.5, 4.2.5.3, 4.2.8.4 3GPP TS 38.304 V16.2.0: Sections 3.1, 3.2, 5.1, 5.1.1.1, 5.1.1.2 3GPP TS 38.331 V16.2.0: Sections 3.2, 5.2.1, 5.2.2.1, 5.2.2.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
BBY002	3G Licensing	US8879503			1	3GPP TS 24.301 V11.10.0: Sections 1, 4.3.1, 4.3.2.4, 5.5.1.2.4, 5.5.3.2.4, 8.2.1.1, 8.2.2.6.1, 9.9.3.12A; Tables 4.3.2.4.1, 4.3.2.4.2, 8.2.1.1, 8.2.2.6.1, 9.9.3.12A.1 3GPP TS 24.229 V11.9.0: Section 5.1.1.2.1, Annex L.3.1.2		
BBY003	3G Licensing	US7463887			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4		
		US8290491			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4	1	
		US8351940			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4	1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4
		US8600383			1	3GPP TS 36.304 V8.10.0: Sections 1, 5.2.1, 5.2.4.4	1, 9	3GPP TS 36.304 V16.2.0: Section 4.3 3GPP TS 38.304 V16.2.0: Sections 1, 3.1, 3.2, 4.1, 4.5, 5.2.1, 5.2.2, 5.2.4.4; Figure 5.2.2-1
BBY004	3G Licensing	AU2007221785			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		CA2605098			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
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		IN256206			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
		JP4772021			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
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		SG161228			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
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BBY004	3G Licensing	US7995565			1	3GPP TS 24.237 V15.3.0: Sections 1, 4.1, 5.2, 5.3, 9.2.1AA, 9.3.2 3GPP TS 24.292 V15.1.0: Sections 7.2.2, 7.2.6, 7.4.1, 7.4.2.1. 3GPP TS 24.229 V15.1.0: Section 5.1.2A.1.1		
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		CA2567115			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
		CNZL201010576392.8			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
		EP1924037 (DE, FR, GB, IT)			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
		EP2184946 (DE, FR, GB, IT, NL, SE)					1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
		HK1143266					1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
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		KR10-1116459			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A	1	3GPP TS 23.501 V16.6.0: Sections 3.1, 3.2, 4.4.5, 5.6.1 3GPP TS 24.501 V16.6.0: Sections 6.2.3, 6.4.1.1, 6.4.1.2, 6.4.1.5
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		US8189611			1	3GPP TS 24.301 V11.7.0: Sections 6.5.1.1, 6.5.1.4A		
IND001	Intellectual Discovery	KR10-2024626			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		
		US10028207			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		
		US10805868			1	3GPP TS 36.211 V13.13.0: Sections 6.4.1, 6.8B, 6.8B.1, 6.8B.5 3GPP TS 36.212 V13.10.0: Sections 5.3.3.1.12, 5.3.3.1.13, 7.1 3GPP TS 36.213 V13.16.0: Sections 7.1, 7.1.11 3GPP TS 36.331 V13.15.0: Sections 3.1, 6.2.2		
IND002	Intellectual Discovery	CNZL201580021748.2			1	3GPP TS 36.211 V12.9.0: Section 6.11A 3GPP TS 36.331 V12.18.0: Sections 5.3.5.1, 5.5.2.5, 5.5.3.1, 6.3.5, 6.4		
		KR10-2306320			1	3GPP TS 36.211 V12.9.0: Section 6.11A 3GPP TS 36.331 V12.18.0: Sections 5.3.5.1, 5.5.2.5, 5.5.3.1, 6.3.5, 6.4		
IND003	Intellectual Discovery	KR10-0880885					1	3GPP TS 38.213 V16.9.0: Section 9.2.6
JKC001	JVCKENWOOD	CA2857481			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		CA2871263			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		CA2987989			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		EP2809025 (DE, ES, FR, GB, IT, NL, TR)			14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		IN358033			1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		

JKC001	JVCKENWOOD	JP5846513		14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Section 7.1.9; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5, 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		JP5846521		16	3GPP TS 36.300 V16.6.0: Section 5.1.9 3GPP TS 36.213 V16.7.0: Sections 7.2.1, 7.2.6; Table 7.2.1-1B 3GPP TS 36.331 V16.6.0: Section 6.3.2 3GPP TS 36.305 V16.4.0: Section 3.1		
		JP6512275		1	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Section 7.1.9; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5, 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
		KR10-1516666		16	3GPP TS 36.300 V16.6.0: Section 5.1.9 3GPP TS 36.213 V16.7.0: Sections 7.2, 7.2.1, 7.2.6 3GPP TS 36.331 V16.6.0: Sections 6.2.2, 6.3.2 3GPP TS 36.305 V16.4.0: Section 3.1		
		KR10-1516667		23	3GPP TS 36.213 V11.12.0: Sections 7.1.9; 7.1.10, 7.2.5; Table 7.1.9-1 3GPP TS 36.300 V11.14.0: Sections 4, 5.1.9 3GPP TS 36.331 V11.17.0: Sections 6.2.2, 6.3.2; Figure 5.3.5.1-1 3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.211 V11.7.0: Section 6.2.1		
		US9094145		14	3GPP TS 36.212 V11.7.0: Section 5.3.3.1.5D 3GPP TS 36.213 V11.12.0: Sections 7.1, 7.1.9; Tables 7.1-5, 7.1.9-1 3GPP TS 36.300 V11.14.0: Section 4 3GPP TS 36.331 V11.17.0: Sections 5.3.5.1, 6.2.2, 6.3.2; Figure 5.3.5.1-1		
JKC002	JVCKENWOOD	JP5223409		1	3GPP TS 36.211 V16.7.0: Sections 4.1, 6.11.1.2, 6.11.2.2; Figure 4.1-1 3GPP TS 36.212 V16.6.0: Section 5.3.3.1.3 3GPP TS 36.213 V16.7.1: Sections 4.1, 7.1	1	3GPP TS 38.213 V17.0.0: Section 4 3GPP TS 38.211 V17.0.0: Sections 4.3.1, 4.3.2 3GPP TS 38.214 V17.0.0: Sections 5.1, 5.1.2.1, 5.1.3 3GPP TS 38.331 V16.7.0: Sections 6.3.2
KDD001	KDDI	JP4831605		7	3GPP TS 36.331 V11.17.0: Sections 4.2.1, 5.2.1, 5.2.1.1, 5.2.2, 5.2.2.1, 5.3.3.10, 6.3.1 3GPP TS 24.173 V11.5.0: Sections J.2.1.1 3GPP TS 22.011 V11.5.0: Sections 4.2		
KDD002	KDDI	JP4499177		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		JP4585038		2	3GPP TS 36.211 V9.1.0: Sections 5.4.1, 5.4.2, 7.2		
		US8761145		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9025431		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9143258		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9148245		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9160476		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9219564		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
		US9270402		1	3GPP TS 36.211 V9.1.0: Sections 5.4, 5.4.1, 5.4.2; Tables 5.4.1-2, 5.4.1-3 3GPP TS 36.213 V9.3.0: Sections 7.2.2, 10.1		
KDD003	KDDI	JP4527136		1	3GPP TS 36.211 V14.1.0: Sections 5.4, 5.4.3, 5.5, 5.5.1, 5.5.1.1, 5.5.1.3, 5.5.2, 5.5.2.2		
KDD004	KDDI	US7974203		5	3GPP TS 23.401 V16.9.0: Section 4.7.2.1 3GPP TS 36.321 V16.3.0: Section 5.4.3.1 3GPP TS 36.331 V16.3.0: Sections 5.3.10.3, 6.3.2		
KDD006	KDDI	JP6588135		1	3GPP TS 36.300 V15.3.0: Sections 5.2.3, 10.1.2.8, 10.1.2.8.1; Figure 10.1.2.8.1-1 3GPP TS 36.423 V15.3.0: Sections 9.1.3, 9.1.3.1, 9.1.3.2 3GPP TS 36.331 V15.0.0: Sections 5.5.5, 5.5.5.1, 6.2.2, 6.3.5, 10.2.2; Figure 5.5.5.1-1 3GPP TS 36.221 V16.5.0: Section 6.11		
		JP6799653		1	3GPP TS 36.300 V15.3.0: Sections 5.2.3, 10.1.2.8, 10.1.2.8.1; Figure 10.1.2.8.1-1 3GPP TS 36.423 V15.3.0: Sections 9.1.3, 9.1.3.1, 9.1.3.2 3GPP TS 36.331 V15.0.0: Sections 5.5.5, 5.5.5.1, 6.2.2, 6.3.5, 10.2.2; Figure 5.5.5.1-1		
KDD007	KDDI	CNZL201680026887.9		1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		

KDD007	KDDI	JP6502171			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
		JP6656445			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
		JP6761502			1	3GPP TS 36.300 V15.3.0: Sections 10.1.5.1, 23.7b; Figure 10.1.5.1-1 3GPP TS 36.321 V15.3.0: Sections 5.1.1, 5.1.2		
KDD008	KDDI	CNZL201680054288.8					9	3GPP TS 38.212 V15.8.0: Sections 7.3.1.2.1, 7.3.1.2.2 3GPP TS 38.213 V15.8.0: Section 9.2.3 3GPP TS 38.300 V15.8.0: Section 5.2.5.4
		JP6633889					9	3GPP TS 38.212 V15.8.0: Sections 7.3.1.2.1, 7.3.1.2.2 3GPP TS 38.213 V15.8.0: Section 9.2.3 3GPP TS 38.300 V15.8.0: Section 5.2.5.4
KDD011	KDDI	JP7247154			1	3GPP TS 36.331 V16.6.0: Sections 1, 5.5.4.1, 6.3.5		
		US11272418			1	3GPP TS 36.331 V16.6.0: Sections 1, 5.5.4.1, 6.3.5		
KPN003*	KPN	EP0716796 (CH, DE, FR, GB, NL, SE)			1, 3	3GPP TS 23.261 V10.2.0: Sections 4, 4.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.2, 5.3.3 3GPP TS 23.401 V10.4.0: Sections 1, 5, 5.1, 5.1.1, 5.1.1.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.1.1, 5.3.2, 5.3.2.1, 5.10, 5.10.1, 5.10.2 3GPP TS 23.402 V10.4.0: Section 7.3 3GPP TS 23.234 V11.1.0: Sections 6, 6.1 3GPP TS 23.003 V10.3.0: Sections 2, 2.1 IETF RFC 4306: Section 1.2		
		US5960365			1, 3	3GPP TS 23.261 V10.2.0: Sections 4, 4.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.2, 5.3.3 3GPP TS 23.401 V10.4.0: Sections 1, 5, 5.1, 5.1.1, 5.1.1.1, 5.2, 5.2.1, 5.2.2, 5.2.3, 5.3, 5.3.1, 5.3.1.1, 5.3.2, 5.3.2.1, 5.10, 5.10.1, 5.10.2 3GPP TS 23.402 V10.4.0: Section 7.3 3GPP TS 23.234 V11.1.0: Sections 6, 6.1 3GPP TS 23.003 V10.3.0: Sections 2, 2.1 IETF RFC 4306: Section 1.2		
KPN004*	KPN	US6212662			1, 2, 3	3GPP TS 36.212 V9.3.0: Section 5, 5.1, 5.1.1, 5.1.2, 5.1.3, Table 5.1.3-1, 5.1.3-3, 5.1.3.2, 5.1.3.2.1, Figure 5.1.3-2, 5.1.3.2.3		
KPN005*	KPN	EP0785692 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, NL, PT, SE)	1		1	3GPP TS 23.060 V10.14.0: Sections 6.5.0, 6.5.3 3GPP TS 23.261 V10.2.0: Sections 5.3.1, 5.4.1, 5.4.2; Figure 5.4.2-1 3GPP TS 25.211 V10.0.0: Sections 4.1.2.3, 4.2, 5.3.3.10 3GPP TS 43.013 V4.0.0: Sections 1, 4		
KPN006	KPN	CNZL201310055256.8	15, 30, 32		15, 30, 32	3GPP TS 22.368 V10.5.0: Annex A 3GPP TS 23.003 V10.10.0: Section 2.1 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.4, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 13.2.1, 13.2.3		
		EP2250835 (AT, BE, DE, DK, ES, FI, FR, GB, IE, IS, IT, NL, PL, SE)	38		38	3GPP TS 23.060 V10.5.0: Sections 5.3.6.2.3, 5.3.6.2.4 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 9.4.4, 9.4.4.2; Table 9.4.4		
		EP2337403 (DE, FI, FR, GB, NL, SE)	35		35	3GPP TS 23.060 V10.5.0: sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2 3GPP TS 22.368 V11.3.0: Annex A		
		JP5308459	35		35	3GPP TS 23.060 V10.5.0: Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.6.3, 6.5.0, 14.1 and 14.2 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2, 9.4.2.2, 9.4.2.2.1 3GPP TS 22.368 V11.3.0: Annex A		
		KR10-1231986	37			3GPP TS 22.368 V11.3.0: Annex A; Figures A-1, A-2, A-3, A-4 3GPP TS 23.003 V10.3.0: Section 2.1 3GPP TS 23.060 V10.5.0: Sections 5.3.0, 5.3.6.2.1, 5.3.6.2.3, 5.3.6.2.4, 5.6.3, 6.5.0, 14.1, 14.2 3GPP TS 24.008 V10.4.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 9.4.4, 9.4.4.2; Table 9.4.4		

KPN006	KPN	US10187904	3, 7	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1, 2.2, 2.4 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.5.2, 9.2, 9.2.2, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 6.1.3.1.3, 9.4.4, 9.4.4.2, 9.5.3	3, 7	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1, 2.2, 2.4 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.5.2, 9.2, 9.2.2, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11, 6.1.3.1.3, 9.4.4, 9.4.4.2, 9.5.3	3, 7	3GPP TS 22.368 V15.0.0: Sections 1, 3.1, 3.2, 4, 5.1.2, 5.1.3, 7.1.1, Annex A; Figures 5-1, 5-2, 5-3 3GPP TS 23.003 V15.8.0: Sections 1, 1.2, 2.1, 2.2, 2.2A, 2.10.1; Figure 1 3GPP TS 23.501 V15.9.0: Sections 4.2.2, 4.2.3, 4.2.4, 5.1, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.1, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.2, 5.3.3.3.1, 5.3.3.3.2, 5.6.1, 5.6.2, 5.9.1, 5.9.2, 5.9.3, 5.9.4, 5.19.1, 5.19.7.1, 5.19.7.2, 5.19.7.3, 5.19.7.4, 6.1, 6.2.1, 6.2.2; Figures 4.2.3-1, 4.2.4-1 3GPP TS 24.501 V15.6.0: Sections 3.2, 4.1, 4.2, 5.1.1, 5.1.3.1, 5.1.3.2.1.1, 5.1.3.2.1.2.2, 5.1.3.2.1.2.4, 5.3.2, 5.3.3, 5.3.10, 5.3.11, 6.1.1, 6.2.3, 6.2.7, 6.2.8, 6.3.3.1, 6.3.3.2, 6.3.3.3, 8.3.3.1, 8.3.3.2, 8.3.14.1, 8.3.14.2; Figure 5.1.3.2.1.1.1; Tables 8.3.3.1.1, 8.3.14.1.1
		US9014667	35	3GPP TS 22.368 V10.5.0: Sections 3.1, 3.2, 4, 7.11, Annex A 3GPP TS 23.003 V10.10.0: Sections 2.1 3GPP TS 23.060 V10.14.0: Sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.3, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.8.2.2, 13.1, 13.2.1, 13.2.3, 13.4, 14.1, 14.2 3GPP TS 24.008 V10.15.0: Sections 4.1.1.7, 4.7.3.1.4, 6.1.3.11	35	3GPP TS 22.368 V10.5.0: sections 3.1, 3.2, 4, 7.1.1 and Annex: A: Informative 3GPP TS 22.003 V10.10.0: section 2.1 3GPP TS 23.060 V10.14.0: sections 5.3.0, 5.3.1, 5.3.6.2.1, 5.3.6.2.2, 5.3.6.2.3, 5.3.6.2.4, 5.3.6.3, 5.3.6.4, 5.3.13.2, 5.6.3, 6.5.0, 6.8.2.2, 13.1, 13.2.1, 13.2.3, 13.4, 14.1 and 14.2 3GPP TS 24.008 V10.15.0: sections 4.1.1.7, 4.7.3.1.4 and 6.1.3.11		
KPN007	KPN	CNZL200880121914.6	1	3GPP TS26.237 V10.8.0, Sections 4.3, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.2, 21, 21.1 and 21.1.1, Figures 3, 4, 7, 30 and 46 3GPP TS26.114 V10.8.0, sections 4.1, 6, 6.1, 6.2 and 6.2.1 and Figure 4.1	1	3GPP TS26.237 V10.8.0, Sections 4.3, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.2, 21, 21.1 and 21.1.1, Figures 3, 4, 7, 30 and 46 3GPP TS26.114 V10.8.0, sections 4.1, 6, 6.1, 6.2 and 6.2.1 and Figure 4.1		
		JP4987126	1	3GPP TS 26.237 V10.8.0; Section 4.3, 7, 7.1, 8, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.1, 13.2; Figures 3, 4, 7, 30 3GPP TS 26.114 V10.8.0; Section 4.1, 6, 6.1; Figure 4.1 3GPP TS 26.346 V9.15.0; Section 5.2, 5.2.1, 5.2.3, 5.2.3.1, 5.2.4, 5.2.5, 5.2.5.1, 5.2.5.7, 5.2.5.8	1	3GPP TS 26.237 V10.8.0; Section 4.3, 7, 7.1, 8, 8.1, 8.2.3, 8.2.3.1, 8.2.3.2, 13, 13.1, 13.2; Figures 3, 4, 7, 30 3GPP TS 26.114 V10.8.0; Section 4.1, 6, 6.1; Figure 4.1 3GPP TS 26.346 V9.15.0; Section 5.2, 5.2.1, 5.2.3, 5.2.3.1, 5.2.4, 5.2.5, 5.2.5.1, 5.2.5.7, 5.2.5.8		
		US8549151	1	3GPP TS 26.234 V10.5.0 Sections 5.6.1, 5.6.2 3GPP TS 26.237 V10.8.0 Sections 4.3, 8.1, 8.2.3.1, 8.2.3.2, 8.2.4.1, 8.2.4.2, 8.2.4.3, 13, 13.1, 13.2, 21, 21.1.1, 21.1.4; Figure 3, 4, 7, 8, 30, 46 3GPP TS 26.114 V10.8.0 Sections 4.1, 6.1, 6.2.1, 6.5; Figure 4.1	1	3GPP TS 26.234 V10.5.0 Sections 5.6.1, 5.6.2 3GPP TS 26.237 V10.8.0 Sections 4.3, 8.1, 8.2.3.1, 8.2.3.2, 8.2.4.1, 8.2.4.2, 8.2.4.3, 13, 13.1, 13.2, 21, 21.1.1, 21.1.4; Figure 3, 4, 7, 8, 30, 46 3GPP TS 26.114 V10.8.0 Sections 4.1, 6.1, 6.2.1, 6.5; Figure 4.1		
KPN008	KPN	EP2517495 (DE, ES, FI, FR, GB, NL, PL, SE)			1	3GPP TS 32.521 V10.2.0: Section 4.1 3GPP TS 32.522 V10.6.0: Section 4.5.3.1 3GPP TS 36.331 V10.12.0: Sections 5.6.5.1, 5.6.5.2, 5.6.5.3, 5.6.6.1, 5.6.6.2 3GPP TS 37.320 V10.4.0: Sections 4.1, 5.1.1.1, 5.1.1.3.2, 5.1.1.3.3, 5.1.3, 5.1.4, 7, Annex A		
		USRE48089	6	3GPP TS 37.320 V10.4.0: Sections 1, 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.3.2, 5.1.1.3.3, Annex A 3GPP TS 32.422 V10.13.0: Section 6 3GPP TS 36.331 V10.12.0: Sections 5.6.6, 5.6.6.1, 5.6.6.2, 6.2.2	6	3GPP TS 37.320 V10.4.0: Sections 1, 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.3.2, 5.1.1.3.3, Annex A 3GPP TS 32.422 V10.13.0: Section 6 3GPP TS 36.331 V10.12.0: Sections 5.6.6, 5.6.6.1, 5.6.6.2, 6.2.2		
KPN009	KPN	CNZL2010800135418	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1	1, 5, 12, 13, 14	3GPP TS 23.228 V12.10.0: Sections U.1.0, U.1.2, U.1.3.1 and U.2.2, Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2 and 7.1
		JP5436577	17	3GPP TS 23.228 V12.4.0: Annex U.1.0, U.1.2, U.2.2; Fig. U.1.2-1 3GPP TS 24.371 V12.9.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1	17	3GPP TS 23.228 V12.4.0: Annex U.1.0, U.1.2, U.2.2; Fig. U.1.2-1 3GPP TS 24.371 V12.9.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1		
		US9667669	1, 15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1	1, 15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1	1, 15, 16	3GPP TS 23.228 V12.10.0: Sections 4.6.1, U.1.0, U.1.2, U.1.3.1, U.2.2; Figure U.1.2-1 3GPP TS 23.371 V12.4.0: Sections 1, 2, 4.1, 5D.1, 5D.2, 7.1
KPN010	KPN	US8660560	1, 9	3GPP TS 37.320 V10.4.0: Sections 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2, 5.1.1.3.3; Figure 5.1.1.1-1 3GPP TS 25.484 V10.2.0: Section 4.1; Figure 4.1-1 3GPP TS 32.422 V10.13.0: Sections 4.1.1.2a, 4.1.5, 6; Figure 6.2 3GPP TS 25.331 V10.15.0: Sections 8.5.6.3, 8.5.6.3.1, 8.5.6.3.2, 8.5.6.4.1, 8.5.6.4.2, 8.5.6.4.3, 10.2, 10.2.16da, 10.2.48, 10.2.48.8, 10.2.48.8.6, 10.2.48.8.7, 10.2.48.8.14, 10.2.48.8.15, 10.3.7, 10.3.7.13, 10.3.7.23, 10.3.7.33, 11.3; Figure 8.5.6.4.1-1 3GPP TS 25.304 V10.7.0: Section 5.7 3GPP TS 25.306 V10.10.0: Section 4.7, 4.15	1, 9	3GPP TS 37.320 V10.4.0: Sections 3.1, 4.1, 5.1.1, 5.1.1.1, 5.1.1.2, 5.1.1.3.2, 5.1.1.3.3; Figure 5.1.1.1-1 3GPP TS 25.484 V10.2.0: Section 4.1; Figure 4.1-1 3GPP TS 32.422 V10.13.0: Sections 4.1.1.2a, 4.1.5, 6; Figure 6.2 3GPP TS 25.331 V10.15.0: Sections 8.5.6.3, 8.5.6.3.1, 8.5.6.3.2, 8.5.6.4.1, 8.5.6.4.2, 8.5.6.4.3, 10.2, 10.2.16da, 10.2.48, 10.2.48.8, 10.2.48.8.6, 10.2.48.8.7, 10.2.48.8.14, 10.2.48.8.15, 10.3.7, 10.3.7.13, 10.3.7.23, 10.3.7.33, 11.3; Figure 8.5.6.4.1-1 3GPP TS 25.304 V10.7.0: Section 5.7 3GPP TS 25.306 V10.10.0: Section 4.7, 4.15		
KPN011*	KPN	EP0831613 (BE, CH, DE, ES, FI, FR, GB, IE, IT, LU, NL, SE)			1	3GPP TS 36.212 V8.8.0: Sections 5, 5.1.1, 5.1.2, 5.3.2, 5.3.2.1; Figure 5.3.2-1		
KPN012	KPN	EP2299649 (DE, ES, FI, FR, GB, HU, IT, NL, PL, SE)			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		
		JP5237340			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		
		US8601141			1, 15	3GPP TS 23.228 V10.4.0: Sections 3.1, 4.14, 3GPP TS 24.229 V10.3.0: Sections 1, 3.2, 5.3, 5.3.2, 5.3.2.1, 5.3.2.1A, 5.4, 5.4.3.1, 5.4.3.2, 5.7, 5.7.1.3A, 5.7.1.7, 5.7.1.7.25.10, 5.10.1, 5.10.3, 5.10.3.2, 7.2A, 7.2A.6, 7.2A.6.1, 7.2A.6.3 ETSI TS 124 229 V10.3.0		

KPN014	KPN	EP2567564 (DE, FI, FR, GB, NL, SE)			1	3GPP TS 32.551 V11.3.1: Sections 3.1, 4.1.1 3GPP TS 36.300 V11.9.0: Sections 20.2.2.15, 22.4.4.2 3GPP TS 36.413 V11.6.0: Sections B.1.14		
KPN015*	KPN	AU684543			1	3GPP TS 22.278 V10.2.0: 2010-09: section 7.2 3GPP TS 23.402 V10.0.0: 2010-06: section 4.5.1, 4.8.2.1		
		EP0716797 (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE)			1	3GPP TS 22.278 V10.2.0: Section 7.2 3GPP TS 23.402 V10.0.0: Section 4.5.1, 4.8.2.1		
		JP3525258			1	3GPP TS 22.278 V10.2.0: 2010-09: section 7.2 3GPP TS 23.402 V10.0.0: 2010-06: section 4.5.1, 4.8.2.1		
KPN017	KPN	EP2566263 (DE, FI, FR, GB, IT, NL, PL, SE)			1, 2, 9	3GPP TS 23.003 V13.10.0 (included by reference in TS 23.682 V13.9.0 and in TS 36.331 V13.6.1): Section 15.3 3GPP TS 23.246 V13.3.0 (included by reference in TS 23.682 V13.9.0 and in TS 36.331 V13.6.1): Sections 3.1, 4.4.3, 4.4.3.3, 4.4.3.4; Figure 4 3GPP TS 23.682 V13.9.0: Sections 1, 4.2, 4.5.5, 5.5.1; Figure 5.5.1-1 3GPP TS 36.331 V13.6.1: Sections 5.8.1.1, 5.8.2.1, 6.2.2, 6.3.7; Figure 5.8.2.1-1		
KPN018	KPN	US9699820			16	3GPP TS 23.303 V12.8.0: Sections 5.6.2: Annex A.2		
KPN019	KPN	CNZL200980152983.8			19	3GPP TS 23.401 V13.6.0: Sections 4.11, 5.3.2.1, 5.3.4B, 5.3.4B.1, 5.3.4B.2; Figure 5.3.2.1-1, 5.3.4B.2-1 3GPP TS 23.682 V13.5.0: Section 5.13.4; Figure 5.13.4-1		
		US9372098			1, 15, 17, 21	3GPP TS 23.401 V13.8.0: Sections 4.11, 5.3.4B, 5.3.4B.1; Figure 5.3.4 B-1 3GPP TS 23.682 V13.6.0: Sections 5.13.4; Figure 5.13.4-1	1, 21	3GPP TS 23.401 V16.4.0 (included by reference into TS 23.501): Sections 4.10 3GPP TS 23.501 V16.2.0: Sections 5.31.1, 5.31.4.1 3GPP TS 23.502 V16.2.0: Sections 4.24.1, 4.25.4; Figures 4.24.1-1, 4.25.4-1 3GPP TS 24.501 V16.4.1: Sections 4.1, 5.3.2.1, 5.6.1.1, 5.6.1.2.2, 5.6.1.4.2
KPN020	KPN	US9820134			1, 10, 11, 12	3GPP TS 23.303 V13.6.0: Sections 3.1, 3.2, 4.6.4.2a, 5.3.1.2, 5.3.2A, 5.3.3A.2, 5.3.3A.4; Figures 5.3.2A-1, 5.3.3A.2A-1, 5.3.3A.4A-1		
KPN021	KPN	EP2656648 (DE, FI, FR, GB, IT, NL, SE)			1, 9	3GPP TS 33.163 V15.3.0: Sections 3.1, 4.5, 4.6.2.2, 5.1.0, 5.1.3; Figures 4.6.2.2-1; Table: 5.1.3-1		
KPN022	KPN	US9907101					1, 12, 19	3GPP TS 23.501 V15.4.0: Sections 1, 3.1, 3.2, 4.2.1, 4.2.2, 5.1, 5.2.1, 5.3.1, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.2, 5.6.1, 5.6.2, 8.2.2.1, 8.2.2.2; Figure 8.2.2.2-1 3GPP TS 23.502 V15.4.0: Sections 4.2.2.1, 4.2.2.2, 4.3.2.1, 4.3.2.2.1, 5.2.2.2.1, 5.2.2.2.2, 5.2.3.3.1, 5.2.3.3.2; Figures 4.2.2.2.2-1, 4.3.2.2.1-1; Tables 5.2.2.2.2-1, 5.2.3.3.1-1 3GPP TS 38.202 V15.3.0: Sections 5, 5.1.1; Figure 5.1.1-1
KPN023	KPN	EP2377337 (DE, FR, GB, IT, NL)					1, 12	3GPP TS 33.501 V15.0.0: Section 3.2, 6.1.1.1, 6.1.1.4.1, 6.1.1.4.2, 6.1.2, 6.1.3.2.0, Annex A.4
		US8881235					1, 10	3GPP TS 33.501 V15.0.0: Section 4.1, 6.1.1.1, 6.1.1.4.1, 6.1.1.4.2, 6.1.2, 6.1.3.2: Annex A.4; Figure 6.1.2.1
LGE001*	3G Licensing	CNZL200410049109.0	1, 3			3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3		
		EP1850511 (DE, ES, FI, FR, GB, IT, NL, SE)	1			3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3		
		EP2081306 (DE, ES, FI, FR, GB, IT, NL, SE)	1			3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3		
		JP4318963	1			3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3		
		US7496132	1			3GPP TS 25.211 V6.10.0: Sections 5.2, 5.2.1, 5.2.1.1; Figure 1; Table 3		
LGE002	3G Licensing	EP1483850 (DE, FR, GB, IT, NL, SE)	1			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
		GB2412553	1			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
		HK1084252	1			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
		IN201131	1			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
		JP4383887	1			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
		US7319718	15			3GPP TS 25.212 V6.10.0: Section 4.7.1.2; Table 14		
LGE004	3G Licensing	AU2005249137	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		CNZL200580017591.2	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		IN253908	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		KR10-1141326	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		MX261740	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		RU2346392	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		US7580388	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
		US7715344	1			3GPP TS 25.331 V6.26.0: Sections 8.1.1.6.5, 10.3.5.2a, 10.3.6.55		
LGE006	3G Licensing	AU2005227794	10			3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4		
		MX269368	16			3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4		

LGE006	3G Licensing	RU2381633	16	3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4			
		US7551625	1	3GPP TS 25.211 V6.7.0: Sections 4.1.1.2, 5.3.3.14; Figure 26C 3GPP TS 25.309 V6.5.0: Section 9.1 3GPP TS 25.321 V6.8.0: Sections 8.1.2, 11.8.1.4			
LGE009	3G Licensing	AU2005287986	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		BRPI0516317-0	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		CNZL200580033248.7	1, 21	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		EP1794987 (DE, ES, FI, FR, IT, NL, SE)	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		EP2252037 (DE, FR, GB, NL)	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		IN283724	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		JP4965723	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		KR10-1141650	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		US7649907	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
		US7830913	1	3GPP TS 25.301 V6.6.0: Sections 5.3.1.1.2.1; Figure 4 3GPP TS 25.321 V6.18.0: Sections 9.1.5; Figures 9.1.5.1, 9.1.5.2			
LGE011	3G Licensing	US8923237	1	3GPP TS 25.322 V7.10.0: Sections 1.3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1			
		US9078254	1	3GPP TS 25.322 V7.10.0: Sections 1.3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1			
		US9179460	1	3GPP TS 25.322 V7.10.0: Sections 1.3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1			
		US9504030	1	3GPP TS 25.322 V7.10.0: Sections 1.3.2, 4.2, 4.2.1, 4.2.1.2, 4.2.1.2.2, 8, 8.1, 8.2, 9.2.2.3, 9.5, 9.6, 9.7.10; Figure 4.3a; Table 8.1			
LGE015	3G Licensing	US9319198	3	3GPP TS 25.214 V6.11.0: Sections 3.2, 4.2.4.4, 6B, 6B.1 3GPP TS 25.321 V6.18.0: Sections 9.2.5, 9.2.5.1 3GPP TS 25.433 V6.17.0: Sections 9.1.17			
		US9923697	4	3GPP TS 25.214 V6.11.0: Sections 3.2, 4.2.4.4, 6B, 6B.1 3GPP TS 25.321 V6.18.0: Sections 9.2.5, 9.2.5.1 3GPP TS 25.433 V6.17.0: Sections 9.1.17			
LGE019	3G Licensing	EP1315356 (DE, FI, FR, GB, IT, NL, SE)	13	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1			
		IN206735	14	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1			
		KR10-0765122	30	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1			
		US7486699	13	3GPP TS 25.323 V6.11.0: Section 5.1.2.3 3GPP TS 25.322 V6.12.0: Sections 8.1, 8.2; Table 8.1			
LGE023	3G Licensing	AU2004307900	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		BRPI0414892-4	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		EP1683282 (DE, FI, FR, GB, IT, NL)	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		IN257749	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		JP4599361	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		KR10-1158912	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
		RU2360363	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2			
US7593407	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2					
US7809000	1	3GPP TS 25.321 V6.18.0: Section 11.6.2.3.2					
LGE027*	3G Licensing	US7656803	1	3GPP TS 25.301 V8.7.0: Sections 5.1; Figure 2 3GPP TS 25.321 V8.17.0: Section 11.1 3GPP TS 25.331 V8.6.0: Section 14.4.2			
LGE032	3G Licensing	CNZL01131011.1	37	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20			
		KR10-0365356	2	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20			
		US7154873	12	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20			
		US8325692	4	3GPP TS 25.322 V7.10.0: Sections 4.2.1.3, 9.2.2.1, 9.7.8; Figure 4.4, 9.19, 9.20			
LGE034	3G Licensing	CNZL02103099.5	41	3GPP TS 25.321 V6.18.0: Sections 9.2.5.2.1, 9.2.5.3.1, 11.8.1.3 3GPP TS 25.212 V6.10.0: Sections 4.11.2; Table 17			
		US7215653	37	3GPP TS 25.321 V6.18.0: Sections 9.2.5.2.1, 9.2.5.3.1, 11.8.1.3 3GPP TS 25.212 V6.10.0: Sections 4.11.2; Table 17			
LGE036	3G Licensing	US9635142		9	3GPP TS 36.331 V8.21.0: Sections 5.3.10.3, 6.3.2 3GPP TS 36.323 V8.6.0: Sections 5.5.1	9	3GPP TS 38.323 V15.6.0: Sections 4.4., 5.7.1, 5.7.2, 5.7.3, 5.7.5; Table 5.7.1-1 3GPP TS 38.331 V15.6.0: Title; Sections 1, 3.2, 5.3.5.1, 5.3.5.6.1, 5.3.5.6.5, 6.2.2, 6.3.2; Figure 5.3.5.1-1

LGE037*	3G Licensing	US8451818	1	3GPP TS 25.322 V8.9.0: Sections 4.2, 4.2.1.1, 4.2.1.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.3, 9.2.1.3; Figures 4.2, 4.3, 4.4, 9.2			
LGE038*	3G Licensing	US7782833	1		3GPP TS 36.321 V8.12.0: Sections 1, 3.2, 4.2.1, 4.3.1, 4.3.2, 4.4, 4.5, 4.5.1, 4.5.2, 4.5.3, 4.5.3.1, 4.5.3.2, 6.1.1, 6.1.2, 6.2.1; Figures 4.2.1.1, 4.5.3.1-1, 4.5.3.2-1, 6.1.2-1, 6.1.2-2, 6.1.2-3; Tables 4.4-1, 4.5.1-1, 4.5.2-1, 4.5.3.1-1, 4.5.3.2-1 3GPP TS 36.322 V8.8.0: Sections 3.2, 4.2.1, 4.3.2; Figure 4.2.1-1		
LGE041	3G Licensing	JP5685564	1		3GPP TS 36.321 V8.12.0: Sections 5.3.2.1, 5.3.2.2 3GPP TS 36.212 V8.8.0: Section 5.2.3.1 3GPP TS 36.213 V8.8.0: Section 10.1	1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 38.213 V15.12.0: Sections 9.1, 9.1.2, 9.1.2.1 3GPP TS 38.321 V15.12.0: Sections 3.1, 3.2, 5.3.1, 5.3.2.1, 5.3.2.2 3GPP TS 38.213 V15.12.0: Sections 9.2, 9.2.6
		US8130819	1		3GPP TS 36.321 V8.12.0: Sections 5.3.2.1, 5.3.2.2 3GPP TS 36.212 V8.8.0: Section 5.2.3.1 3GPP TS 36.213 V8.8.0: Section 10.1	1,2	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 38.213 V15.12.0: Sections 9.1, 9.1.2, 9.1.2.1 3GPP TS 38.321 V15.12.0: Sections 3.1, 3.2, 5.3.1, 5.3.2.1, 5.3.2.2 3GPP TS 38.213 V15.12.0: Sections 9.2, 9.2.6
LNG001	Sisvel International	CNZL201410090475.4	1		3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		EP3537814 (DE, ES, FR, GB, IT, NL)	1		3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		KR10-2251839	1		3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4, 4.3.4.28		
		US10498520	1, 11		3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Sections 4.3.4.28 3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8		
		US9973324	1, 11		3GPP TS 36.212 V12.3.0: Sections 5.3.3, 5.3.3.1.1, 5.3.3.1.8 3GPP TS 36.213 V12.4.0: Sections 7.1, 8.0; Table 8-2 3GPP TS 36.306 V12.3.0: Section 4.3.4		
LNG002	Sisvel International	CNZL201410852934.8	1, 5, 9, 13		3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2.2, 6.3.2, 6.3.4, 6.4; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0		
		EP3240345 (DE, ES, FR, GB, IT, NL)	1		3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0 3GPP TS 23.003 V8.17.0: Section 7.1	1	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
		KR10-2483737	1		3GPP TS 36.212 V13.0.0: Sections 1, 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4A, 5.3.3.1.5, 5.3.3.1.5A, 5.3.3.1.5B, 5.3.3.1.5C, 5.3.3.1.5D, 5.3.3.1.8 3GPP TS 36.331 V13.1.0: Sections 1, 4.1, 5.3.5.1, 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0; Figures 5.3.5.1-1, 5.3.5.1-2 3GPP TS 36.213 V13.1.0: Sections 7.1, 8.0 3GPP TS 23.003 V8.17.0: Section 7.1	1	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
		US10412748	1		3GPP TS 36.212 V13.0.0: Sections 5.3.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3 3GPP TS 36.331 V13.1.0: Sections 6.2, 6.2.2, 6.3.2, 6.3.4, 6.4, 8.0 3GPP TS 23.003 V8.17.0: Section 7.1	1,9	3GPP TS 38.212 V15.8.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.9.0: Section 10.1 3GPP TS 38.300 V15.9.0: Sections 5.4.1, 7.1, 7.7 3GPP TS 38.331 V15.9.0: Sections 3.1, 3.2, 5.1.2, 5.1.3, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.5.9, 6.2, 6.3.2, 6.4; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2
LNG003	Sisvel International	US9749969	1, 9		3GPP TS 36.331 V13.1.0: Sections 3.1, 3.2, 4.2.2, 5.2.1.1, 5.2.2.1, 5.3.3.1, 6.2.2, 6.3.1, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1 3GPP TS 36.213 V12.5.0: Sections 5.1.2, 5.1.2.1, 5.1.4, 5.1.4.1, 5.1.4.2 3GPP TS 36.101 V12.5.0: Sections 6.2.5		
LNG004	Sisvel International	CNZL201510040667.9	1, 8		3GPP TS 36.321 V14.3.0: Sections 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.1, 10.1.5		
		EP3253144 (DE, ES, FR, GB, IT, NL, PL)	1, 8		3GPP TS 36.321 V14.3.0: Sections 3.1, 3.2, 5.4, 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.5	1, 8	3GPP TS 38.101-1 V16.9.0: Section 6.1 3GPP TS 38.202 V16.2.0: Sections 6.6.1; Tables 6.1-1, 6.1-2 3GPP TS 38.211 V16.7.0: Sections 4.1, 4.3.1, 4.3.2, 4.4.2, 4.4.3, 4.4.4.1, 4.4.5, 4.5, 6.1.1, 6.2, 6.3.2.1; Table 6.3.2.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 7.2, 9, 9.2, 9.2.1, 9.2.2, 9.2.4, 9.2.5, 9.2.5.1, 9.2.5.2; Tables 9.2.5-1, 9.2.5-2, 9.2.5.2-1 3GPP TS 38.321 V16.6.0: Section 5.4.4 3GPP TS 38.331 V16.6.0: Sections 3.1, 3.2, 4.2.1, 5.1.2, 5.3.3.1, 5.3.5.1, 5.3.5.5.1, 5.3.5.1.1, 6.2, 6.3.2; Figures 4.2.1-1, 4.2.1-2, 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2, 5.3.5.1.1

LNG004	Sisvel International	US10362566			1	3GPP TS 36.321 V14.3.0: Sections 3.1, 3.2, 5.4, 5.4.4 3GPP TS 36.331 V14.3.0: Sections 3.1, 6.3, 6.3.2 3GPP TS 36.213 V14.7.0: Sections 10, 10.1, 10.1.5	1, 7	3GPP TS 38.101-1 V16.9.0: Section 6.1 3GPP TS 38.202 V16.2.0: Sections 6, 6.1; Tables 6.1-1, 6.1-2 3GPP TS 38.211 V16.7.0: Sections 4.1, 4.3.1, 4.3.2, 4.4.2, 4.4.3, 4.4.4.1, 4.4.5, 4.5, 6.1.1, 6.2, 6.3.2.1; Table 6.3.2.1-1 3GPP TS 38.213 V16.7.0: Sections 3.3, 7.2, 9, 9.2, 9.2.1, 9.2.2, 9.2.4, 9.2.5, 9.2.5.1, 9.2.5.2; Tables 9.2.5-1, 9.2.5-2, 9.2.5.2-1 3GPP TS 38.321 V16.6.0: Section 5.4.4 3GPP TS 38.331 V16.6.0: Sections 3.1, 3.2, 4.2.1, 5.1.2, 5.3.3.1, 5.3.5.1, 5.3.5.1.1, 5.3.13.1, 6.2, 6.3.2; Figures 4.2.1-1, 4.2.1-2, 5.3.3.1-1, 5.3.5.1-1, 5.3.5.1-2, 5.3.13.1-1
LNG005	Sisvel International	US10064176			1, 6, 9	3GPP TS 36.331 V12.5.0: Sections 5.1.1, 5.10.1, 5.10.1a, 5.10.2.1, 5.10.2.2, 5.10.7.1, 5.10.7.4, 6.3.1, 6.3.2, 6.5.1, 6.5.2, Figures 5.10.2-1, 5.10.7.1-1, 5.10.7.1-2; 5.10.7.1-3 3GPP TS 36.221 V12.5.0: Sections 4, 4.2; Table 4.2-2 3GPP TS 23.303 V12.4.0: Sections 1, 4.4.1.1, 4.4.2, 4.5.1.1.2.3.1, 4.5.6		
LNG006	Sisvel International	CNZL201510698366.5			1, 17	3GPP TS 36.211 V14.3.0: Sections 4.1, 4.2, 5.2.3, 6.2.3, 10.1.2.1, 10.1.2.3, 10.2.2.1, 10.2.5.1, 10.2.7, 10.2.7.1, 10.2.7.1.1, 10.2.7.1.2, 10.2.7.2, 10.2.7.2.1, 10.2.7.2.2; Tables 5.2.3-1, 6.2.3-1, 10.1.2.1-1, 10.2.5.1-1, 10.2.7.1.1-1 3GPP TS 36.213 V14.3.0: Sections 16.4, 16.4.1, 16.4.1.3, 16.5.1, 16.5.1.1, 16.6; Table 16.4.1.3-1, 16.4.1.3-2, 16.5.1.1-2, 16.5.1.1-3, 16.6-1 3GPP TS 36.331 V14.3.0: Sections 3.1, 5.2.1.1, 5.2.1.2a, 6.7.2, 6.7.3.2; Figure 5.2.2.1-1 3GPP TS 36.212 V14.3.0: Sections 6.1, 6.4.3, 6.4.3.1, 6.4.3.2; Table 6.1-3		
		US10826665			1	3GPP TS 36.211 V14.3.0: Sections 4.1, 4.2, 5.2.3, 6.2.3, 10.1.2.1, 10.1.2.3, 10.2.2.1, 10.2.5.1, 10.2.7, 10.2.7.1, 10.2.7.1.1, 10.2.7.1.2, 10.2.7.2, 10.2.7.2.1, 10.2.7.2.2; Tables 5.2.3-1, 6.2.3-1, 10.1.2.1-1, 10.2.5.1-1, 10.2.7.1.1-1 3GPP TS 36.213 V14.3.0: Sections 16.4, 16.4.1, 16.4.1.3, 16.5.1, 16.5.1.1, 16.6; Table 16.4.1.3-1, 16.4.1.3-2, 16.5.1.1-2, 16.5.1.1-3, 16.6-1 3GPP TS 36.331 V14.3.0: Sections 3.1, 5.2.1.1, 5.2.1.2a, 6.7.2, 6.7.3.2; Figure 5.2.2.1-1 3GPP TS 36.212 V14.3.0: Sections 6.1, 6.4.3, 6.4.3.1, 6.4.3.2; Table 6.1-3		
LNG007	Sisvel International	CNZL201610121604.0			1, 17	3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2		
		US10484143			1	3GPP TS 36.213 V15.3.0: Sections 7.1, 7.3, 7.3.1, 10.1, 10.1.2.1, 10.1.2.2.2, 10.1.2.2.3; Table 10.1-1 3GPP TS 36.211 V15.1.0: Sections 4.1; Figure 4.1-1; Table 4.1-1 3GPP TS 36.212 V15.2.1: Sections 5.3.3.1.3, 5.3.3.1.17, 5.3.3.1.18, 5.3.3.1.19, 5.3.3.1.20, 5.3.3.1.21, 5.3.3.1.22, 5.3.3.1.23; Table 5.3.3.1.17-1 3GPP TS 36.331 V15.3.0: Section 6.3.2		
LNG008	Sisvel International	US9980306			1, 13	3GPP TS 36.331 V12.5.0: Sections 1, 4, 4.1, 4.2, 5.10.1, 5.10.7.1, 5.10.7.2, 5.10.7.3, 5.10.7.4, 5.10.7.5, 5.10.9.1, 6.3.8, 6.5.2; Figures 4.1-1, 4.2-1, 5.10.7.1-1, 5.10.7.1-2, 5.10.7.1-3 3GPP TS 36.211 V12.5.0: Sections 3.1, 5.3.1, 7.2, 9, 9.1, 9.1.1, 9.2, 9.2.4, 9.3, 9.3.1, 9.4, 9.4.1, 9.8 3GPP TS 36.212 V12.4.0: Sections 5, 5.2.2.6, 5.4, 5.4.3, 5.4.3.1, 5.4.3.1.1		
		KR10-2302025			1	3GPP TS 36.211 V12.5.0: Sections 3.1, 5.3.1, 7.2, 9, 9.1, 9.1.1, 9.2, 9.2.4, 9.3, 9.3.1, 9.4, 9.4.1, 9.8 3GPP TS 36.212 V12.4.0: Sections 5, 5.2.2.6, 5.4, 5.4.3, 5.4.3.1, 5.4.3.1.1		
LNG016	Sisvel International	CNZL201711079561.5			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		
		EP3709591 (DE, FR, GB, NL)			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		
		US11153140			1	3GPP TS 36.211 V15.3.0: Sections 5.2.3A, 5.3.2, 5.6A, 5.6A.2; Table 5.2.3A-1 3GPP TS 36.212 V15.3.0: Section 5.3.3.1.10 3GPP TS 36.213 V15.3.0: Sections 8.1.6		
LNG020	Sisvel International	CNZL201410255478.9			9, 18	3GPP TS 36.212 V13.2.0: Sections 1, 3.3, 5.3, 5.3.3.1, 5.3.3.1.1, 5.3.3.1.2, 5.3.3.1.3, 5.3.3.1.3A, 5.3.3.1.4, 5.3.3.1.4A 3GPP TS 36.213 V13.2.0: Sections 1, 3.2, 3A, 4.1, 7.1, 13A, 15.1.1		
LNG021	Sisvel International	CNZL201410318536.8			6, 16	3GPP TS 36.212 V14.3.0: Sections 1, 3.3, 4.2, 5.3.3.1.1A 3GPP TS 36.201 V14.1.0: Sections 1, 3.3, 4.2.2		

LNG023	Sisvel International	US10506624			1	3GPP TS 36.211 V14.4.0: Sections 6.2.3,10.2.2, 10.2.2.1, 10.2.3, 10.2.3.4; Table 6.2.3-1 3GPP TS 36.212 V14.4.0: Sections 6.1, 6.4.3.2 3GPP TS 36.213 V14.4.0: Sections 16.4, 16.4.1		
MEL011	MELCO	CNZL201510125007.0			3	3GPP TS 36.321 V9.1.0: Sections 4.2.1, 4.3.1, 4.3.2, 4.4, 5.4.4		
		JP5160667			3	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.2		
		US9635656			3	3GPP TS 36.213 V9.0.1: Sections 7.2, 7.2.2 3GPP TS 36.201 V9.0.0: Section 5.5 3GPP TS 36.321 V9.1.0: Section 5.4.4	3	3GPP TS 38.212 V15.7.0: Sections 3.3, 6.3.1.1 3GPP TS 38.213 V15.7.0: Section 9.2.5 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1 3GPP TS 38.300 V15.7.0: Section 10.4 3GPP TS 38.321 V15.7.0: Sections 3.2, 4.2.2, 5.4.4 3GPP TS 38.331 V15.7.0: Section 6.3.2
MEL013	MELCO	IN262788			2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
		JP4841630			2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5 3GPP TS 38.331 V15.7.0: Sections 5.5.1, 6.3.2
		KR10-1213062			2	3GPP TS 36.213 V9.0.1: Sections 7.2, 10.1	2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
		US10701639			4	3GPP TS 36.213 V8.2.0: Sections 7.2, 7.2.2 3GPP TS 36.300 V8.5.0: Sections 4.3, 4.3.2, 5.1, 5.1.3, 11.5, 12 3GPP TS 36.321 V8.4.0: Section 3.1, 4.3, 4.3.2, 5.7 3GPP TS 36.331 V8.5.0: Sections 6.3, 6.3.2		
		US10728857					2	3GPP TS 38.213 V15.7.0: Sections 9, 9.2.5, 9.2.6 3GPP TS 38.214 V15.7.0: Sections 3.3, 5.2.1, 5.2.1.1, 5.2.1.4 3GPP TS 38.215 V15.5.0: Sections 5.1, 5.1.2, 5.1.4, 5.1.6 3GPP TS 38.331 V15.7.0: Section 6.3.2
MEL014	MELCO	US10404436					1	3GPP TS 38.322 V17.2.0: sections 3.1, 4.2.1 3GPP TS 38.321 V17.3.0: sections 4.5, 4.5.1, 4.5.4.1, 5.4, 5.4.5, 5.4.3.2, 6.1.2, 6.1.3, 6.1.3.1, 6.2.1
		US11012217					1	3GPP TS 38.322 V17.2.0: sections 3.2, 4.2.1 3GPP TS 38.321 V17.3.0: sections 4.5, 4.5.1, 4.5.3, 4.5.4, 5.4, 5.4.5, 5.4.3.2, 6.1.2 3GPP TS 38.331 V17.3.0: sections 6.2.2, 6.3.2
MEL016	MELCO	US9113445			1	3GPP TS 36.300 V10.6.0: Sections 6, 6.1, 6.1.2, 11.3; Figure 6-2 3GPP TS 36.306 V10.4.0: Sections 4, 4.1, 4.2.5; Table 4.1-3 3GPP TS 36.321 V10.4.0: Sections 5.4.3.1, 5.4.3.2, 5.4.5, 6.1.2, 6.1.3.1; Figure 6.1.2-3; Tables 6.1.3.1-1, 6.1.3.1-2 3GPP TS 36.322 V10.0.0: Sections 4.2.1, 4.2.1.1.1, 4.2.1.2.1, 4.2.1.3.1, 4.5; Figures 4.2.1-1, 4.2.1.1.1-1, 4.2.1.2.1-1, 4.2.1.3.1-1 3GPP TS 36.331 V10.6.0: Sections 5.6.3.1, 5.6.3.3, 6.3.6; Figure 5.6.3.1-1		
MEL017	MELCO	AU2014204428			5	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2		
		BRPI0807033-4			8	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2		
		IN385950			7	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2		
		JP5550697			5	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2		
		KR10-1898932			1, 6	3GPP TS 36.300 V8.7.1: Sections 11.1.1, 11.1.2 3GPP TS 36.321 V8.4.0: Sections 5.10, 5.10.1, 5.10.2 3GPP TS 36.213 V8.6.0: Section 9.2		
MEL018	MELCO	AU2014201266			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1: Figure 4-1 3GPP TS 23.401 V11.0.0: Sections 3.2, 4.3.1.3, 5.3.3.0, 5.3.3.2, 5.3.8.3		
		CNZL201410189671.7			3	3GPP TS 23.401 V11.0.0: Sections 3.2, 4.3.1.3, 5.3.3.0, 5.3.3.2, 5.3.8.3		
		IDP00488649			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1: Figure 4-1		
		JP5538802			3	3GPP TS 23.401 V11.0.0: Sections 4.3.1.3, 5.3.3, 5.7.2		
		RU2554533			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4, 4.1: Figure 4-1		

MEL018	MELCO	US9713068			3	3GPP TS 24.301 V11.0.0: Sections 3.1, 3.2, 5.1.1, 5.1.3.2.2.4, 5.3.5, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2 3GPP TS 23.401 V11.0.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.3.5.2, 4.3.5.3, 5.3.3, 5.3.3.0, 5.3.3.2, 5.3.3.2.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3, 5.3.3.2-1 3GPP TS 36.300 V11.0.0: Sections 4.4.1 - Figure 4-1		
MEL019	MELCO	US10165482			3	3GPP TS 36.300 V10.3.0: Sections 1, 3.2, 4, 4.1, 4.2.1, 4.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3 3GPP TS 24.301 V10.2.0: Sections 1, 5.5.3.1, 5.5.3.2.1, 5.5.3.2.2, 5.5.3.2.4, 8.1, 8.2.26.1, 8.2.26.2, 8.2.26.15; Table 8.2.26.1	3	3GPP TS 38.300 V15.0.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 9.2.2.1; Figure 4.1-1 3GPP TS 23.501 V15.0.0: Sections 3.1, 5.2.3.1, 5.2.3.2.3, 5.3.2.1, 5.3.2.2.1, 5.3.2.2.3, 5.3.2.2.4, 5.3.2.3, 5.3.3.2.1, 5.4.1.1, 6.2.1 3GPP TS 24.501 V15.0.0: Sections 3.2, 5.3.4, 5.3.7, 5.5.1.1, 5.5.1.3.1, 5.5.1.3.2, 5.5.1.3.4, 8.2.6.1, 8.2.7.1, 8.2.7.15, 9.10.2.5, 9.10.3.8; Tables 8.2.6.1.1, 8.2.7.1.1, 9.10.3.8.1; Figure 9.10.3.8.1 3GPP TS 24.008 V15.0.0: Sections 10, 10.1, 10.5.7.4a; Table 10.5.16.3a; Figure 10.1.10.5.14.7a
MEL022	MELCO	US10887731			5	3GPP TS 36.300 V17.3.0: Sections 3.2, 4.0, 4.6, 4.6.1, 10.5.1, 40.5.1.2 3GPP TS 36.331 V17.3.0: Sections 6.2.2, 6.3.4, 6.3.5		
MEL025	MELCO	EP2134006 (DE, FR, GB)			1	3GPP TS 36.211 V8.6.0: Sections 3.1, 4.2, 5.2.3, 5.6, 6.2.3, 6.12, 8.1; Figures 4.2-1, 8.1-1; Tables 4.2-1, 4.2-2, 5.2.3-1, 5.6-1, 6.2.3-1, 6.12-1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Section 6.2.3 3GPP TS 36.300 V8.8.0: Section 5.2.7.3		
		JP4852615			1	3GPP TS 36.211 V8.6.0: Sections 3.1, 4, 4.2, 5.2, 6.2, 8.1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Section 6.2.3 3GPP TS 36.300 V8.8.0: Section 5.2.7		
		US8068444			1	3GPP TS 21.905 V8.8.0: Section 3 3GPP TS 21.211 V8.6.0: Sections 3.1, 4, 4.2, 5.2.1, 5.2.2, 5.2.3, 6.2.1, 6.2.2, 6.2.3, 8.1; Figures 4.2-1, 5.2.1-1, 6.2.2-1; Tables 4.2-1, 5.2.3-1, 6.2.3-1 3GPP TS 36.213 V8.6.0: Section 4.2.3 3GPP TS 36.321 V8.5.0: Sections 5.1.4, 5.2, 6.2.3 3GPP TS 36.300 V8.8.0: Sections 3.2, 5, 5.2.7.3; Figures 5-1, 5-2; Table 5-1		
MEL027	MELCO	CNZL20141076521X			1, 2, 7, 8	3GPP TS 36.201 V8.3.0: Sections 4.1, 4.1.1, 4.2, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.2		
		EP1845678 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)			1, 3	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.6.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.6.0: Sections 7.2, 7.2.1	3	3GPP TS 38.300 V15.13.0: Section 4.1 3GPP TS 38.201 V15.0.0: Section 4.1.1 3GPP TS 38.214 V15.15.0: Sections 5.2.1, 5.2.1.1, 5.2.1.4, 5.2.2.1, 5.2.3 3GPP TS 38.331 V15.16.0: Section 6.3.2 3GPP TS 38.212 V15.13.0: Section 6.3.2.1.2
		EP2086146 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)			1, 2	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.212 V8.7.0: Sections 5.2.2.6.2, 5.2.2.6.4 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1	2	3GPP TS 38.300 V15.13.0: Section 4.1 3GPP TS 38.201 V15.0.0: Section 4.1.1 3GPP TS 38.214 V15.15.0: Sections 5.2.1, 5.2.1.1, 5.2.1.4, 5.2.2.1, 5.2.3 3GPP TS 38.331 V15.16.0: Section 6.3.2 3GPP TS 38.212 V15.13.0: Section 6.3.2.1.2
		EP2256976 (DE, FR, GB)			1, 2	3GPP TS 36.201 V8.3.0: Sections 1, 3, 4, 4.1, 4.1.1, 4.2, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 3, 3.2, 7.2, 7.2.2		
		JP5506861			1, 8	3GPP TS 36.201 V8.3.0: Sections 4.1.1, 4.2.1 3GPP TS 36.213 V8.8.0: Sections 7.2		
MEL028	MELCO	EP2254259 (DE, FR, GB)			1, 4	3GPP TS 36.211 V8.8.0: Sections 4.1.1, 4.2.1, 5.4.1, 5.5.2.2.1, 5.2.2.2.2 3GPP TS 36.213 V8.8.0: Sections 7.3, 10.1 3GPP TS 36.321 V8.7.0: Sections 5.4.1, 5.4.4, 5.4.5, 7.2.1 3GPP TS 36.331 V8.7.0: Sections 6.3.2	4	3GPP TS 38.300: Sections 4.1, 5.5, 10.3, 10.4 3GPP TS 38.321: Sections 4.5.4.2, 5.4.1, 5.4.4, 5.4.5 3GPP TS 38.213: Sections 9.2, 9.2.4 3GPP TS 38.211: Sections 5.2.2, 6.4.1.3.1, 6.4.1.3.2
		US8825067			1, 4	3GPP TS 36.321 V8.7.0: Sections 5.4.1, 5.4.4, 5.4.5 3GPP TS 36.213 V8.8.0: Sections 7.3, 10.1; Table 10.1-5 3GPP TS 36.331 V8.7.0: Sections 6.3.2 3GPP TS 36.211 V8.8.0: Sections 5.4.1, 5.5, 5.5.2.2.1, 5.5.2.2.2; Table 5.5.2.2.2-1		
MEL038	MELCO	CNZL201510061928.5					1	3GPP TS 38.211 V16.3.0: Sections 3.2, 4.4.2, 4.4.3, 5.3.1, 6.1.1, 6.3.1.1, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.3.1.7 3GPP TS 38.212 V16.3.0: Sections 4.1, 5, 6.2.1; Table 4.1-1 3GPP TS 38.214 V16.3.0: Sections 6.1.2.2, 6.1.2.2.2 3GPP TS 38.321 V16.2.1: Sections 4.2.2, 4.4; Figure 4.2.2-1 3GPP TS 38.300 V16.3.0: Sections 5.1, 5.4.1, 5.5, 6.2.1, 6.6 L2, 6.7; Figures 5.1-1, 6.6-1, 6.7-2
		KR10-1643434					1	3GPP TS 38.211 V16.3.0: Sections 3.2, 4.4.2, 4.4.3, 5.3.1, 6.1.1, 6.3.1.1, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.3.1.7 3GPP TS 38.212 V16.3.0: Sections 4.1, 5, 6.2.1; Table 4.1-1 3GPP TS 38.214 V16.3.0: Sections 6.1.2.2, 6.1.2.2.2 3GPP TS 38.321 V16.2.1: Sections 4.2.2, 4.4; Figure 4.2.2-1 3GPP TS 38.300 V16.3.0: Sections 5.1, 5.4.1, 5.5, 6.2.1, 6.6 L2, 6.7; Figures 5.1-1, 6.6-1, 6.7-2

MEL040	MELCO	US11405897			3	3GPP TS 36.300 V17.3.0: Sections 3.1, 4.9, 4.9.1, 20.2, 20.2.0 3GPP TS 36.331 V17.3.0: Sections 3.2, 6.2.2 3GPP TS 36.101 V18.0.0: Section 6.2.5 3GPP TS 36.213 V17.4.0: Section 6.1 3GPP TS 36.321 V17.3.0: Sections 5.1.1, 5.1.3	3	3GPP TS 37.340 V17.3.0: sections 3.1, 4.2.1, 4.3.1.1 3GPP TS 38.331 V17.3.0: sections 3.2, 6.2.2 3GPP TS 38.101-1 V18.0.0: sections 3.2, 6.2.4, 6.2B.4.1 3GPP TS 38.213 V17.3.0: section 7.4 3GPP TS 38.321 V17.3.0: sections 5.1.1, 5.1.3
MEL041	MELCO	BR122020018183-4			9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.15.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		CNZL201610021267.8			4	3GPP TS 36.300 V11.4.0: Sections 3.2, 4, 16.15 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		IDP00082932			9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.15.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		JP6072859			9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.15.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		JP6351699			4	3GPP TS 36.300 V11.4.0: Sections 3.2, 4, 16.15 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		KR10-1790569			9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.15.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		KR10-1902174			2	3GPP TS 36.300 V11.4.0: Sections 3.2, 4, 16.15 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		RU2651808			5	3GPP TS 36.300 V11.4.0: Sections 3.2, 4, 16.15 3GPP TS 36.423 V10.1.0: Sections 8.3.1.2, 9.1.2.1, 9.2.55		
		RU2677689			9	3GPP TS 36.300 V10.2.0: Sections 3.2, 5.1.16, 16.15.1 3GPP TS 36.331 V10.2.0: Sections 6.2.2, 6.3.5		
		US11496263			4	3GPP TS 36.300 V17.3.0: Sections 16.1.5, 16.1.5.0, 20.2.0 3GPP TS 36.423 V17.3.0: Sections 8.3.1, 8.3.1.2, 9.1.2, 9.1.2.1		
MEL042	MELCO	CNZL201611067214.6					3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		JP6400131					3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
		US9705648			1	3GPP TS 23.401 V12.0.0: Sections 4, 4.6, 4.6.3, 4.6.3.1, 4.6.3.2, 4.6.4 3GPP TS 36.300 V12.5.0: Sections 3.1, 3.2, 4, 4.3, 4.3.2, 4.9, 4.9.1, 4.9.3, 4.9.3.1, 10, 10.1, 10.1.2, 10.2.8, 10.1.2.8.1, 20, 20.2, 20.2.1	3	3GPP TS 38.300 V16.8.0: Sections 3.1, 3.2, 4.1, 4.2, 4.3.2.2, 6.12 3GPP TS 38.306 V16.7.0: Sections 1, 4.2.1, 4.2.7.2, 4.2.7.6 3GPP TS 38.331 V16.7.0: Sections 4.2.1, 5.6.1.1, 5.6.1.2, 5.6.1.4, 6.2.2, 6.3.3; Figures 4.2.1-1, 5.6.1.1-1
MEL043	MELCO	JP6767539					3	3GPP TS 38.300 V17.6.0: Sections 5.4.1, 7.7 3GPP TS 38.101-1 V17.11.0: Sections 5.2, 5.2A, 5.2A.2, 5.2A.2.1 3GPP TS 38.133 V17.11.0: Section 3.6.2.1 3GPP TS 38.331 V17.6.0: Sections 6.2.2, 6.3.2
		US10200976			2	3GPP TS 36.101 V11.3.0: Sections 2, 3.3, 5.5; Table 5.5-1 3GPP TS 36.300 V11.2.0: Sections 4, 7.5 3GPP TS 36.311 V11.2.0: Sections 3.2, 4.2.1, 5.1.2, 5.2.1.1, 5.2.2.1, 6.2.1, 6.3.1, 6.3.4; Figure 5.2.2.1-1		
		US10412712			3	3GPP TS 36.101 V11.6.0: Sections 5.5, 5.5A; Tables 5.5-1, 5.5A-2	3	3GPP TS 38.300 V15.3.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.4.1, 7.7 3GPP TS 38.101-1 V15.3.0: Sections 3.1, 3.3, 5.1, 5.2, 5.2A.2, 5.5A.3; Tables 5.1-1, 5.2-1, 5.2A.2-1, 5.5A.3-1 3GPP TS 38.133 V15.3.0: Sections 3.1, 3.3, 3.6, 3.6.2.1
MEL044	MELCO	CNZL201810939948.1			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1; Figure 8.1-1	1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4
		JP7003201			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1; Figure 8.1-1	1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4
		US10728889			1	3GPP TS 36.300 V15.6.0: Sections 3.1, 3.2, 5.5.0, 7.5, 10.1.2.7, 10.1.5.0, 10.1.5.2; Figure 10.1.5.2-1 3GPP TS 36.321 V15.6.0: Sections 5.1.4, 6.1.3.5; Figure 6.1.3.5-1 3GPP TS 36.213 V15.6.0: Section 4.2.3 3GPP TS 36.104 V15.7.0: Sections 6.5.3, 6.5.3.1 3GPP TS 36.211 V15.6.0: Section 8.1; Figure 8.1-1	1	3GPP TR 21.905 V15.1.0: Section 4 3GPP TS 36.300 V15.6.0: Section 3.2 3GPP TS 38.213 V15.6.0: Sections 3.3, 4.2, 5.1; Figure 5.1-2 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.4.1, 7.1, 7.7, 9.2.6, 9.2.9; Figure 9.2.6-1 3GPP TS 38.321 V15.6.0: Sections 5.1.4, 5.2, 6.1.3.4
MEL045	MELCO	CNZL201510225622.9			4	3GPP TS 36.211 V10.5.0: Sections 1, 3.2, 6.1, 6.5, 6.11.1.2, 6.11.2.2 3GPP TS 36.331 V10.5.0: Sections 5.3.2.1, 5.3.2.2, 5.8.1.1, 6.3.7 3GPP TS 36.211 V10.5.0: Sections 7.1, 7.2		
		JP5602255			4	3GPP TS 36.211 V10.5.0: Sections 6.1, 6.5, 6.11.1, 6.11.2 3GPP TS 36.304 V10.5.0: Sections 7.1, 7.2 3GPP TS 36.331 V10.5.0: Sections 5.3.2, 6.3.7		
MEL046	MELCO	JP6612940			4	3GPP TS 36.300 V12.5.0: Sections 4, 4.9.1 and 10.1.2.8.1 3GPP TS 35.423 V12.5.0: Sections 1 and 9.1.3.2 3GPP TS 36.331 V12.5.0: Sections 6.2.2 and 6.3.2	4	3GPP TS 38.300 V15.0.0: Sections 1, 4.5 3GPP TS 37.340 V15.0.0: Sections 1, 3.1, 3.2, 4.1.2, 4.2.1, 10.2.1 3GPP TS 36.423 V15.2.0: Sections 1, 7, 8.7.4.2, 9.1.4.2 3GPP TS 38.331 V15.1.0: Sections 6.2.2, 6.3.2, 11.2 3GPP TS 36.331 V15.1.0: Sections 5.3.5, 6.2.2

MEL048	MELCO	US10356635		5	3GPP TS 36.300 V17.3.0: Sections 4.0, 5.5, 5.5.0, 7.5 3GPP TS 36.331 V17.3.0: Sections 5.6.3, 5.6.3.1, 5.6.3.3, 6.2, 6.2.2 3GPP TS 36.1.1 V17.8.0: Sections 3.1	5	3GPP TS 38.300 V17.3.0: sections 4.1, 5.4, 5.4.1 3GPP TS 38.331 V17.3.0: sections 5.6.1, 5.6.1.1, 5.6.1.3, 5.6.1.4, 6.3.3 3GPP TS 38.101-1 V17.8.0: section 3.1
MEL050	MELCO	US10575191		6	3GPP TS 36.300 V17.3.0: Sections 3.1, 3.2, 4.0, 4.9, 4.9.1, 4.9.3.3, 6.3, 6.3.5, 7.6, 10.1.2.8.9 3GPP TS 36.331 V17.3.0: Sections 5.5.5, 5.5.5.1, 6.2		
		US10893421				3	3GPP TS 38.300 V17.3.0: sections 3.1, 3.2, 4.1, 5.4, 5.4.1, 7.7, 16.7, 16.7.1 3GPP TS 38.331 V17.3.0: sections 5.3.3.1, 5.3.3.4, 6.2, 6.2.2, 6.3.2
MEL054	MELCO	JP6851438				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.3.7.2
		JP7072696				3	3GPP TS 38.401 V17.0.0: Sections 3.1, 6.1.1 3GPP TS 38.300 V17.0.0: Sections 1, 4.4.1 3GPP TS 38.473 V17.0.0: Sections 8.2.7.1, 8.2.7.2, 9.2.1.15
MEL056	MELCO	CNZL201910467299.4				1	3GPP TS 38.211 V16.1.0: Sections 3.2, 6.3.1.4, 6.3.1.5, 6.3.1.6, 6.4.1.1.1.2, 6.4.1.1.3; Tables 6.4.1.1.3-1, 6.4.1.1.3-5 3GPP TS 38.300 V16.1.0: Sections 1, 4.4.1, 4.4.2, 5.1, 5.2.3, 5.3.2, 10.1; Figures 4.4.1-1, 4.4.2-1, 5.1-1
		JP6239194				1	3GPP TS 38.201 V16.0.0: Sections 3.3 3GPP TS 38.211 V15.6.0: Sections 3.2, 5.1, 5.2.2, 6.2, 6.3.1.6, 6.4.1.1.6, 6.4.1.1.1.2, 6.4.1.1.1.3 3GPP TS 38.300 V15.6.0: Sections 5.1, 5.3.2
MEL057	MELCO	JP6300992				1	3GPP TS 38.201 V16.0.0: Sections 3.3 3GPP TS 38.211 V15.6.0: Sections 3.2, 5.2.1, 6.2, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.4.1.2.1.2, 6.4.1.2.2.2 3GPP TS 38.300 V15.6.0: Sections 5.1
		US11290312				2	3GPP TS 38.211 V15.6.0: Sections 3.2, 3.3, 5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 6.3.1.2, 6.3.1.3, 6.3.1.4, 6.4.1.2.2.2; Tables 6.3.1.2-1, 6.4.1.2.2.2-1 3GPP TS 38.300 V15.6.0: Sections 3.1, 3.2, 4.1, 5.1, 5.3.2; Figure 5.1-1
MEL058	MELCO	JP6852203				1	3GPP TS 38.211 V15.8.0: Section 3.3 3GPP TS 38.213 V15.8.0: Sections 4.1, 10.1, 13; Tables 13-7, 13-8 3GPP TS 38.300 V15.8.0: Sections 4.1, 5.2.4, 5.5 3GPP TS 38.331 V15.8.0: Sections 4.4, 5.2.1, 5.2.2.3.2, 6.3.2
MEL069	MELCO	US11569968				2	3GPP TS 38.300 V17.3.0: sections 3.1, 4.1, 4.2, 4.5 3GPP TS 38.331 V17.3.0: sections 5.5, 5.5.1, 5.5.5, 6.3.2, 11.2.2 3GPP TS 38.423 V17.3.0: sections 8.3, 8.3.3, 9.1.2.5, 9.2.2.27
MEL070	MELCO	US11324001				9	3GPP TS 38.300 V17.3.0: sections 4.1, 9.2.4 3GPP TS 38.331 V17.3.0: sections 6.2.2, 6.3.2, 11.2.2 3GPP TS 37.340 V17.3.0: section 10.2.2
MEL071	MELCO	US11050595				14	3GPP TS 38.211 V15.8.0: Sections 3.2, 3.3, 6.3.1.4, 6.4.1.2.2.2; Table 6.4.1.2.2.2-1 3GPP TS 38.214 V15.8.0: Sections 6.2.3.2; Table 6.2.3.2-1 3GPP TS 38.300 V15.8.0: Sections 3.1, 3.2, 4.1, 5.1, 5.3.2; Figure 5.1-1
MEL072	MELCO	US11363560		9	3GPP TS 36.300 V17.3.0: Sections 23.7, 23.7a, 23.7b 3GPP TS 36.212 V17.1.0: Sections 3.1, 3.3, 5.3.3.1.10, 5.3.3.1.11, 5.3.3.1.12, 5.3.3.1.13, 5.3.3.1.14 3GPP TS 36.231 V17.4.0: Sections 7.1.1.1, 8.0		
NKO002*	Sisvel International	CA2318480		27	3GPP TS 24.301 V8.10.0: Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		
		EP1051870 (DE, ES, FR, GB, IT, NL)		18	3GPP TS 24.301 V8.10.0: Sections 6.4.3.1, 6.4.3.2, 6.4.3.4, 8.3.17.1, 8.3.18.1, 8.3.18.2, 9.3.2, 9.9.4.3, 9.9.4.4; Figure 6.4.3.2.1; Tables 8.3.17.1, 8.3.18.1		
		JP4002731		1	3GPP TS 23.401 V8.18.0: Sections 4.2.1 3GPP TS 24.301 V8.10.0: Sections 6.4.2.2, 6.4.2.3, 6.4.3.2, 6.4.3.3, 8.3.18.1, 9.3.2, 9.9.4.3		
		US6826406		1	3GPP TS 24.301 V8.10.0: Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		
		US7599384		17	3GPP TS 24.301 V8.10.0: Sections 4.2, 6.1.1, 6.4.1.1, 6.4.3.1, 6.4.3.2, 6.4.3.3, 6.4.3.4, 6.5.3.1, 8.3.18.1, 9.3.2, 9.9.4.3; Figure 6.4.3.2.1; Tables 8.3.18.1		
NKO003*	Sisvel International	EP0852885 (AT, BE, DE, ES, FR, GB, GR, IE, IT, NL)		12	3GPP TS 23.401 V8.18.0: Sections 4.7, 4.7.1, 4.7.2, 4.7.2.1, 5.4, 5.4.1, 5.7, 5.7.1; Tables 5.4.1-1, 5.7.1-1		
NKO005*	Sisvel International	CNZL99811826.5		14	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8, 2.8.1 3GPP TS 23.401 V8.18.0: Section 5.3.7; Figure 5.3.7-1		
		EP1119997 (AT, BE, DE, ES, FR, GB, IT, NL, PT, SE)		15	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8, 2.8.1 3GPP TS 23.401 V8.18.0: Section 5.3.7; Figure 5.3.7-1		
		JP4226786		1	3GPP TS 23.003 V8.17.0: Sections 2.1, 2.8.1 3GPP TS 23.401 V8.18.0: Sections 4.2.1, 5.2.2, 5.3.2.1		

NKO009*	Sisvel International	BRPI9915081-6	1	3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3A, 9.3.1, 9.3.1A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38			
		CNZL2005101063244	1	3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3A, 9.3.1, 9.3.1A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38			
		CNZL99813850.9	1	3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3A, 9.3.1, 9.3.1A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38			
		JP3519688	1	3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3A, 9.3.1, 9.3.1A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38			
		US7085294	21	3GPP TS 25.301 V3.10.0: Sections 5.3.1, 5.3.1.1.1, 5.6.2, 7; Figure 13 3GPP TS 25.211 V3.12.0: Sections 3.2, 4.5, 7.6.1, 7.6.2, 7.6.3, 8.2, 8.2.1 3GPP TS 25.402 V3.10.0: Sections 7, 7.1, 5, 9.3A, 9.3.1, 9.3.1A 3GPP TS 33.102 V3.10.0: Sections 6.6.4, 6.6.4.1, 6.4.8; Figure 16c 3GPP TS 25.331 V3.10.0: Sections 8.2.2.3, 8.5.8, 8.5.9, 10.3.7.6, 10.3.3.38			
NKO011*	Sisvel International	EP2139272 (AT, BE, CH, DE, EK, ES, FI, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE)			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1; Table 5.3.2.1-1	
		HK1132411			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1; Table 5.3.2.1-1	
		US7580714			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1, 5.3.5.1; Figures 5.3.2.1-1, 5.3.5.1-1	
		US7979070			1	3GPP TS 23.401 V8.18.0: Sections 5.3.2, 5.3.2.1, 5.3.5.1; Figures 5.3.2.1-1, 5.3.5.1-1	
		US9008615			1	3GPP TS 24.301 V8.10.0: Sections 5.5.1.2.2, 5.5.1.2.4, 6.4.1.1, 8.2.4.1 3GPP TS 23.401 V8.18.0: Section 5.3.2.1 3GPP TS 36.331 V8.21.0: Section 5.3.5	
NKO012	Sisvel International	BRPI0107654-0	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		CA2395586	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		CNZL01803214.1	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		CNZL200510072602.9	23	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		EP1249151 (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, NL, PT, SE, TR)	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		HK1087293	23	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		IN221857	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		KR10-0554710	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
		RU2233047	11	3GPP TS 25.331 V3.21.0: Sections 8.1.3, 8.1.3.9, 10.2.36, 10.3.3.29, 10.3.6.36; Figures 8.1.3-2			
NKO013	Sisvel International	EP1470684 (DE, FR, GB, IT)	37	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7			

NKO013	Sisvel International	JP4586056	6	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7			
		KR10-0704036	37	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7			
		US8571548	26	3GPP TS 24.229 V5.10.0: Sections 4.1, 5.1.1, 5.1.1.3, 5.1.1.7 3GPP TS 23.228 V5.10.0: Sections 5.3, 5.3.2, 5.3.2.2.1, 5.3.3; Figure 5.5 IETF RFC 3680: Section 4.7			
NKO019*	Sisvel International	USRE40825	46	3GPP TS 25.214 V3.12.0: Sections 7, 7.1, 7.3; Figure 3 3GPP TS 25.331 V5.13.0: Sections 8.6, 8.6.6, 8.6.6.24, 10.3.6, 10.3.6.21, 10.3.6.86 3GPP TS 25.211 V5.3.0: Sections 5.2.1; Figure 2			
NKO026	Sisvel International	USRE42692	28	3GPP TS 25.211 V5.8.0: Sections 5.3.3.12, 5.3.3.13 3GPP TS 25.212 V5.8.0: Section 4.6.2.3 3GPP TS 25.213 V5.8.0: Section 5.2.1			
NKO028*	Sisvel International	CA2395756	18	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3			
		CNZL01803595.7	17	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3			
		US7020108	16	3GPP TS 25.215 V3.6.0: Sections 6.1.1.1, 6.1.1.2; Figure 1 3GPP TS 25.212 V3.6.0: Sections 4.2, 4.4, 4.4.1; Figures 1, 11, 12 3GPP TS 25.331 V3.6.0: Sections 10.3.6.33, 14.2, 14.3			
NKO030	Sisvel International	BRPI0108480-1	16	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		CA2401037	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		CNZL01805488.9	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		EP1264504 (DE, ES, FR, GB, IT, NL)	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		JP3961774	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		KR10-0501836	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
		US7751803	17	3GPP TS 25.331 V7.2.0: Sections 7.1, 8.3.1.2, 8.3.1.13, 8.3.1.14, 8.2.2.1, 10.3.3.43, 13.1			
NKO034*	Sisvel International	EP1540864 (DE, FR, GB)	15	3GPP TS 25.211 V6.4.0: Sections 3.2, 5.2.1.2; Figure 2A 3GPP TS 25.214 V6.4.0: Sections 1, 3.2, 6A.1.1, 3GPP TS 25.212 V6.3.0: Sections 4.7.1, 4.7.1.1; Table 13A			
		US7116651	27	3GPP TS 25.211 V6.4.0: Sections 3.2, 5.2.1.2; Figure 2A 3GPP TS 25.214 V6.4.0: Sections 1, 3.2, 6A.1.1, 3GPP TS 25.212 V6.3.0: Sections 4.7.1, 4.7.1.1; Table 13A			
NKO035	Sisvel International	EP1807956 (AT, BE, CH, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, NL, PL, PT, RO, SE, SK, TR)			1	3GPP TS 36.201 V8.3.0: Sections 4.2.1 3GPP TS 36.212 V8.8.0: 5.2, 5.2.1, 5.2.2, 5.2.2.6 3GPP TS 36.213 V8.8.0: 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Tables 7.2.1-1, 7.2.2-1, 7.2.3-0, 7.2.3-1	
		US7283499			1	3GPP TS 36.201 V8.3.0: Sections 4.1.2, 4.2.1 3GPP TS 36.212 V8.8.0: Sections 4.2, 5, 5.3.2; Figure 5.3.2-1 3GPP TS 36.213 V8.8.0: Sections 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4; Table: 7.2.3-1	
NKO036	Sisvel International	AU2005283836	6	3GPP TS 25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS 25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS 25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		CNZL201610989568.X	10	3GPP TS 25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS 25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS 25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		EP1794950 (DE, FR, GB, IT, RO)	11	3GPP TS 25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS 25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS 25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		IN264926	11	3GPP TS 25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS 25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS 25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		JP4514795	11	3GPP TS 25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS 25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS 25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			

NKO036	Sisvel International	KR10-0915853	33	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		US8787158	1	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
		US9019829	13	3GPP TS25.211 V6.6.0: Sections 5.2.1, 5.2.1.3; Figure 2B 3GPP TS25.321 V6.7.0: Sections 9.2.5.3, 9.2.5.3.1, 11.8.1.3, 11.8.1.3.1, 11.8.1.5, 3GPP TS25.212 V6.7.0: Sections 4.9.1, 4.9.2.3, 4.9.5; Figure 23; Table 16A			
NKO039	Sisvel International	AU2004315850	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		BRPI0418494-7	14	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		CA2554079	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		CNZL200480040893.7	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		IN263794	1	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		JP4468960	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		KR10-0787532	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		RU2337490	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		RU2407238	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
		US7133690	16	3GPP TS 25.321 V6.15.0: Sections 3.1.2, 9.2.5.2.1, 11.8.1.3, 11.8.1.3.1 3GPP TS 25.211 V6.5.0: Section 5.3.2.4 3GPP TS 25.214 V6.11.0: Section 6B.2			
NKO041	Sisvel International	BRPI0512333-0	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		CA2571423	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		CNZL200580026115.7	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		EP1759555 (DE, ES, FR, GB, IT, NL)	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		IN308766	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		JP4827839	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		KR10-1013227	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		KR10-1077598	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			
		RU2408170	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6			

NKO041	Sisvel International	TWI352551	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		US8155060	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
		US8249012	1	3GPP TS 25.214 V6.5.0: Section 4.3.1.2 3GPP TS 25.331 V6.6.0: Sections 8.3.1.2, 8.5.6, B.3.1.2 3GPP TS 25.211 V6.5.0: Section 5.3.2.6				
NKO044	Sisvel International	CNZL200680038765.8			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		EP1925142 (AT, BE, CH, CZ, DE, ES, FR, GB, IE, IT, LU, NL, PL, PT, RO, SE, TR)			14	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		IN318570			14	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		JP4875084					14	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		KR10-0950843			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
		US7894443			16	3GPP TS 36.322 V10.0.0: Sections 4.1, 4.2.1, 6.2, 6.2.1.1, 6.2.1.3, 6.2.1.4, 6.2.1.5, 6.2.2.1, 6.2.2.2, 6.2.2.5, 6.2.2.6; Figures 4.2.1-1, 6.2.1.3-3, 6.2.1.3-4, 6.2.1.3-5, 6.2.1.3-6, 6.2.1.4-2, 6.2.1.4-3, 6.2.1.5-1, 6.2.1.5-2, 6.2.1.5-3; Table 6.2.2.6-1	16	3GPP TS 38.322 V15.5.0: Sections 1, 4.2, 4.2.1, 4.2.1.2.2, 4.2.1.3.2, 6.2.2, 6.2.2.1, 6.2.2.3, 6.2.2.4, 6.2.3.4
NTT001	NTT	JP6758472					4	3GPP TS 23.228 V15.0.0: Sections 4.14, 5.4.13 3GPP TS 24.229 V15.0.0: Sections 3.1, 3.2, 4.1, 5.10.7, 6.7.1.3, T2
ORA002	3G Licensing	BRPI0116844-4	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		CA2436318	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 3GPP ETSI ES 202 050 V1.1.5 sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		CNZL01822358.3	8	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 ETSI ES 202 050 V1.1.5: Section 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1, 5.2				
		EP1356461 (DE, ES, FR, GB, IT, NL, TR)	10	3GPP TS 22.243 V8.0.0: Sections 1, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		HK1057639	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		JP4210521	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		KR10-0549133	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		MX243041	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
		US7313518	10	3GPP TS 22.243 V8.0.0: Sections 1, 2.2, 3.1, 4, 5, 7; Figure 1 3GPP TS 26.243 V8.0.0: Section 2 3GPP TS 26.177 V8.0.0: Section 2 ETSI ES 202 050 V1.1.5: Sections 4, 5.1.1, 5.1.3, 5.1.4, 5.1.5; Figures 4.1, 5.1.5.2				
ORA007	3G Licensing	EP1690361 (DE, FR, GB)			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		JP4845738			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		KR10-1092537			12	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.3, 6.3.4.3		
		US7933564			1	3GPP TS 36.211 V10.7.0: Sections 6.3, 6.3.2, 6.3.3, 6.3.3.3, 6.3.4, 6.3.4.3; Figure 6.3-1; Table 6.3.3.3-1		

ORA008	3G Licensing	US7860069	14	3GPP TS 23.401 V8.15.0: Sections 1, 4.2.1, 4.7.1, 5.1.2.1; Figures 5.1.2.1-1, 5.3.1.1, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 23.228 V8.12.0: Section 4.3.1 3GPP TS 23.221 V8.9.0: Section 5.6			
ORA030	3G Licensing	US8781469	23	3GPP TS 23.401 V8.15.0: Sections 4.3.2.2, 4.7.5, 5.3.2.1, 5.4.1; Figures 5.3.2.1-1, 5.4.1-1 3GPP TS 23.203 V8.14.0: Sections 3.1, 4.1, 5.2.2 3GPP TS 29.212 V8.15.0: Section 4.5.1			
ORA032	3G Licensing	EP2266351 (DE, ES, FR, GB, IT)	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1			
		US8532076	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1			
		US8964714	1	3GPP TS 23.327 V8.4.0: Sections 1, 2, 3.2, 4.1, 5.2, 5.2.2, 5.3.3, 5.4, 6.1, 6.3.2.1; Figures 5.2.2-1, 6.1, 6.3.2.1-1 3GPP TS 23.060 V8.15.0: Sections 5.4.1.1, 5.4.1.2, 9.2.1 3GPP TS 23.234 V8.0.0: Sections 5.10.1 IETF RFC 3775: Sections 10.3.2 IETF RFC 5555: Sections 4.4.2.1			
ORA039	3G Licensing	CNZL200680017858.2	1	3GPP TS 23.060 V8.9.0: Section 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figure 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figure 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1			
		EP1869840 (DE, ES, FR, GB, IT, NL, PL, TR)	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3 and 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1			
		IN319027	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1			
		JP4933528	1	3GPP TS 23.060 V8.9.0: Sections 1, 3.1, 4, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 5, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.0, 5.4.1, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1, 2, 2a 3GPP TS 23.203 V8.11.0: Sections 1, 3.1, 6, 6.1, 6.1.0, 6.1.1, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1, 6.2.1.0, Annex A (normative), A.1, A.1.0, A.1.1, A.1.1.1, A.1.1.2, A.1.1.3, A.4, A.4.0, A.4.1, A.4.1.1, A.4.1.2, A.5, A.5.0, A.5.1, A.5.1.0, A.5.1.1, A.5.2, A.5.2.1, Annex D (informative), D.1, D.1.1, D.2, Annex H (normative), H.1, H.2; Figures A.1, D.1.1, D.2.1 3GPP TS 23.401 V8.10.0: Sections 3.2, 4.2, 4.2.1, 4.2.2, 4.3.2, 4.3.2.1, 4.3.2.2, 4.4.3, 4.4.3.1, 4.4.3.2, 4.4.7, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23.402 V8.6.0: Sections 1, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.3, 4.3.1, 4.3.1.1, 4.3.1.2, 4.3.3, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1			

ORA039	3G Licensing	US8570936	1	3GPP TS 23060 V8.9.0: Sections 1, 3.1, 4, 5.1, 5.2.1, 5.3.2, 5.3.2.1, 5.3.2.2, 5.4.1.1, 5.4.1.2, 9.2.1A, 9.6; Figure 1 3GPP TS 23401 V8.10.0: Sections 3.2, 4.2.1, 4.2.2, 4.3.2.1, 4.3.2.2, 4.4.3.1, 4.4.3.2, 4.4.7.1, 4.4.7.2, 4.4.7.3, 4.7.1, 4.7.2.1, 4.7.2.2; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.7.2.2-1 3GPP TS 23402 V8.6.0: Sections 1, 4.2.1, 4.2.2, 4.2.3, 4.3.1.1, 4.3.1.2, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.5, 4.3.5.1, 4.3.5.2, 4.8.1, 4.8.2.1, 4.10.3, 8.5.1; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.3-1, 4.2.3-2, 4.10.3-1, 4.8.1.1-1, 8.5.1-1 3GPP TS 23203 V8.11.0: Sections 1, 3.1, 6.1.0, 6.1.1.1, 6.1.1.2, 6.1.1.3, 6.1.1.4, 6.2.1.0, A.1.0, A.1.1.2, A.1.1.3, A.4.0, A.4.1.1, A.4.1.2, A.5.0, A.5.1.0, A.5.1.1, D.1.1, D.2, H.1, H.2; Figures A.1, A.4, D.1.1, D.2.1			
ORA040	3G Licensing	CNZL200780009678.4	1	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		EP1974576 (DE, ES, FR, GB, IT)	1	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		EP2958292 (DE, ES, FR, GB, IT, NL)	2	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		HK1219367	2	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		IN322709	1	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		US8194608	1	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
		US8565159	2	3GPP TS 23060 V8.15.0: Sections 1, 4 3GPP TS 23327 V8.4.0: Sections 1, 4.4.1, 5.2.1, 5.3.1, 5.3.2, 6.1, 6.3.1, 6.3.2.2; Figures 5.2.1-1, 6.3.1-1, 6.3.2.2-1 3GPP TS 23234 V8.0.0: Sections 1, 4, 5.7.1, 6.1.2, 6.2.6; Figure 6.2a			
ORA041	3G Licensing	CNZL200680016492.7	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1, 5.10.2; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1			
		CNZL201110148681.2	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			
		JP5384934	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 3.2, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1, 5.10.2; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1			
		US8072923	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			
		US8971246	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1			
ORA042	3G Licensing	CNZL200680017166.8	1	3GPP TS 23060 V8.9.0: Sections 4, 9.2.1A, 9.2.2.1; Figures 63, 64 3GPP TS 23401 V8.15.0: Sections 1.3.1, 4.1, 4.2.1, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.2.1; Figures 4.2.1-2, 4.7.2.2-1 3GPP TS 24008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		IN318550	1	3GPP TS 23401 V8.15.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		JP4970422	1	3GPP TS 23401 V8.15.0: Sections 1, 3.3.1, 4, 4.1, 4.2, 4.2.1, 4.4.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2, 5.3.2, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2, 4.7.2.2-1 3GPP TS 23060 V8.9.0: Sections 9.2.2, 9.2.2.1; Figures 63, 64 3GPP TS 24008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			

ORA042	3G Licensing	US8064384	1	3GPP TS 23.401 V8.15.0: Sections 1.3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
		US9001732	1	3GPP TS 23.401 V8.15.0: Sections 1.3.1, 4.1, 4.2.1, 4.2.3, 4.4.3.1, 4.4.3.2, 4.4.3.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.3.1.1, 5.3.2.1; Figure 4.2.1-2, 4.7.2.2-1 3GPP TS 23.060 V8.9.0: Section 9.2.2.1; Figures 63, 64 3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155			
ORA043	3G Licensing	EP1869841 (DE, FR, GB)	1	3GPP TS 23.060 V8.7.0: Sections 9.2.1A, 9.2.1.1, 9.2.2.1, 9.2.2.1.1, 15.3.0, 15.3.1; Figures 63, 64 3GPP TS 23.207 V8.0.0: Sections 4.2, 4.7, 5.1, 5.2, 5.2.1, 5.2.2, 6.1, 6.1.1, 6.1.2, 6.4; Figures A.7; Annex A, A.2, A.2.5, Annex C; Figure A.7 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.2.4, 4.2.4a, 4.6.0, 4.6.1, 4.6.3, 5.4.0, 5.4.2a; Figures 4.0, 5.5b; Annex E, E.0, E.5 3GPP TS 23.401 V8.8.0: Sections 1, 4.2.1, 4.2.2, 4.4.4; Figures 4.2.1-1, 4.2.1-2, 4.2.2-1, 4.2.2-2, 4.2.2-3 3GPP TS 24.008 V9.3.0: Sections 9.5.4, 9.5.4.1, 10.5.6.12; Tables 9.5.4, 10.5.162 3GPP TS 24.229 V8.11.0: Annex B, B.1, B.2.1, B.2.2.1, B.2.2.5.1, B.2.2.5.1A, B.2.2.5.1B 3GPP TS 29.060 V9.3.0: Section 7.7.36			
ORA046	3G Licensing	CNZL200580025881.1	1	3GPP TS 29.060 V8.3.0: Section 3.1 3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4, 11.2.1.3.1, 11.3; Figures 11c, 11d, 11e, 11bb, 11ba 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A, 14.5; Figures 63, 64			
		EP1772030 (DE, ES, FR, GB)	1	3GPP TS 23.401 V8.10.0 Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Section 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		IN271359	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		US10200511	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		US8179888	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			
		US9237058	1	3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1 3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21 3GPP TS 23.060 V8.10.0: Sections 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 63, 64 3GPP TS 29.061 V8.6.0: Sections 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figures 11ba, 11bb			

ORA047	3G Licensing	CNZL200580024907.0	1	<p>3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1</p> <p>3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21</p> <p>3GPP TS 23.060 V8.10.0: Sections 9.2.1.1, 9.2.2, 9.2.2.1, 9.2.2.1A; Figures 62, 63, 64</p> <p>3GPP TS 29.061 V8.6.0: Sections 11.2.1, 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figure 11bb</p>			
		EP1771978 (CH, DE, ES, FR, GB, IT)	1	<p>3GPP TS 23.401 V8.10.0: Sections 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5, 5.3.1, 5.3.1.1, 5.3.1.2, 5.3.1.2.1, 5.3.1.2.2, 14.5; Figures 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1</p> <p>3GPP TS 29.060 V8.3.0: Sections 3.1, 7.3, 7.3.1, 7.3.2, 7.7.13; Table 6; Figure 21</p> <p>3GPP TS 23.060 V8.10.0: Sections 9, 9.1, 9.1.0, 9.2.1.1, 9.2.2, 9.2.2.1, 9.2.2.1A, 9.2.3, 9.2.3.0, 9.2.3.3, 15.3, 15.3.0, 45.3.1; Figures 62, 63, 64</p> <p>3GPP TS 29.061 V8.6.0: Sections 11.2.1, 11.2.1.3, 11.2.1.3.1, 11.2.1.3.2, 11.2.1.4, 11.3; Figure 11ba</p> <p>3GPP TS 24.008 V8.10.0: Sections 9.5.10, 9.5.10.3, 10.5.6.12; Tables 9.5.10, 10.2.162, 10.5.144, 10.5.144a, 10.5.144b, 10.5.144c</p>			
		IN272738	1	<p>3GPP TS 23.060 v8.17.0: Sections 5.6.2.2, 9.2.1, 9.2.1.1, 9.2.2.1, 9.3; Figures 6a, 63</p> <p>3GPP TS 24.008 v8.19.0: Sections 9.5.1, 10.5.6.4</p> <p>3GPP TS 29.061 v8.12.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figures 11bb</p> <p>ETSI TR 102 429-1: Section 2.5.1</p>			
		US7860073	1	<p>3GPP TS 23.060 v8.17.0: Sections 5.6.2.2, 9.2.1, 9.2.1.1, 9.2.2.1, 9.3; Figures 6a, 63</p> <p>3GPP TS 24.008 v8.19.0: Sections 9.5.1, 10.5.6.4</p> <p>3GPP TS 29.061 v8.12.0: Sections 11.2.1.3, 11.2.1.3.2, 11.2.1.4; Figures 11bb</p> <p>ETSI TR 102 429-1: Section 2.5.1</p>			
ORA048	3G Licensing	CNZL200580020466.7	1	<p>3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1</p> <p>3GPP TS 23.401 V8.10.0: Sections 5, 5.1, 5.1.1, 5.1.1.1, 5.1.1.4, 5.1.1.5, 5.1.1.6, 5.1.1.7, 5.1.1.8, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.2.4, 5.1.2.5; Figures 5.1.1.4-1, 5.1.1.5-1, 5.1.1.6-1, 5.1.1.7-1, 5.1.1.8-1, 5.1.2.1-1, 5.1.2.2-1, 5.1.2.3-1, 5.1.2.4-1, 5.1.2.5-1</p> <p>3GPP TS 23.402 V8.8.0: Sections 4.3.3, 4.3.3.2, 4.3.3.3, 4.3.4, 5, 5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.3.1, 5.1.4, 5.1.4.1, 5.1.4.2, 5.1.4.3, 5.1.4.4, Annex A, A.1, A.2; Figures 5.1.4.4-1, 5.1.3.1-1, 5.1.4.1-1, 5.1.4.2-1, 5.1.4.3-1, A.1-1, A.1-2, A.2-1, A.1-3</p> <p>3GPP TS 23.228 V8.12.0: Sections 5.4.2a, Annex E, E.0, E.5; Figure 5.5b</p> <p>3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5, 5.6.2, 5.6.2.1, 5.6.2.2, 5.6.3, 5.6.3.1, 5.6.3.2, 9.2.1, 9.2.2.1; Figures 6a, 6b, 6c, 6d, 7, 8, 63, 64; Table 1</p>			
		EP1741264 (DE, ES, FR, GB, IT)	1	<p>3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1</p> <p>3GPP TS 23.401 V8.8.0: Sections 5.1, 5.1.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1</p> <p>3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A.2, A.2-1</p> <p>3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5</p> <p>3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64</p>			
		IN255363	1	<p>3GPP TS 23.060 V8.7.0: Sections 4, 5.1, 5.3.2.4, 5.3.2.5, 5.6.2, 5.6.2.1, 5.6.2.2, 5.6.2.4, 5.6.2.5, 9.2.1, 9.2.2.1</p>			
		JP4660539	1	<p>3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1</p> <p>3GPP TS 23.401 V8.8.0: Sections 5, 5.1, 5.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1</p> <p>3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A.2, A.2-1</p> <p>3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5</p> <p>3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64</p>			

ORA048	3G Licensing	US7907618	1	<p>3GPP TS 29.060 V8.11.0: Sections 3.1, 4.1; Figure 1</p> <p>3GPP TS 23.401 V8.8.0: Sections 5.1, 5.1.1.1, 5.1.1.4; Figures 5.1.1.4-1, 5.1.1.5, 5.1.1.5-1, 5.1.1.6, 5.1.1.6-1, 5.1.1.7, 5.1.1.7-1, 5.1.1.8, 5.1.1.8-1, 5.1.2.1, 5.1.2.1-1, 5.1.2.2, 5.1.2.2-1, 5.1.2.3, 5.1.2.3-1, 5.1.2.4, 5.1.2.4-1, 5.1.2.5, 5.1.2.5-1</p> <p>3GPP TS 23.402 V8.8.0: Sections 1, 4.2.2; Figures 4.2.2-2, 4.3.3.2, 4.3.3.3, 4.3.4, 5.1.2, 5.1.4.1, 5.1.4-1, 5.1.4.2, 5.1.4.2-1, 5.1.4.3, 5.1.4.3-1, 5.1.4.4, 5.1.4.4-1, 5.1.3.1, 5.1.3.1-1, 6.1.2, 6.1.2-1; Annex A, A.1; Figures A.1-1, A.1-2, A.1-3, A.2, A.2-1</p> <p>3GPP TS 23.228 V8.9.0: Sections 4.6.0, 4.6.1, 5.4.2a; Figure 5.5b, E0, E5</p> <p>3GPP TS 23.060 V8.7.0: Sections 4, 5.3.2.4, 5.3.2.5, 5.5; Table 1, 5.6.2.1, 5.6.2.2; Figures 6a, 6b, 6c, 6d, 5.6.3, 5.6.3.1, 5.6.3.2, 7, 8, 9.2.1, 9.2.2.1, 63, 64</p>				
ORA049*	3G Licensing	US7995523	1, 12	<p>3GPP TS 23.401 V8.17.0: Sections 1, 4.2.1, 4.2.3, 4.7.1, 4.7.2.1, 4.7.2.2, 5.4.5; Figures 4.2.1-1, 5.4.5-1</p> <p>3GPP TS 24.303 V8.9.0: Sections 1, 4.1, 5.1.1, 5.1.2.3, 5.1.2.4</p> <p>IETF RFC 6275 (included by reference in TS 24.303 V8.9.0): Abstract, Sections 10.4.1, 10.4.2, 11.7.1</p>				
ORA052*	3G Licensing	CNZL200480006637.6	1	<p>3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1; Figures 63, 64</p> <p>3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155</p> <p>3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11c, 11d, 11e</p> <p>3GPP TS 23.228 V8.12.0: Sections 3.1, Annex I.1, I.2, I.3, I.3.1, and I.3.1.2; Figures I.1, I.3</p> <p>IETF RFC 3344: Sections 1.5, 1.7, 3</p>				
		EP1602215 (DE, FR, GB)	1	<p>3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b</p> <p>3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155</p> <p>3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11, 11c, 11d</p> <p>3GPP TS 23.228 V8.12.0: Sections 3.1, I.1, I.2, I.3, I.3.1, I.3.1.2; Figures I.1, I.3</p> <p>IETF RFC 3344: Sections 1.5, 1.7, 3</p>				
		IN227148	1	<p>3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figure 11e</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2.1, 9.2.3.2</p>				
		JP5248586	1	<p>3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b</p> <p>3GPP TS 24.008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155</p> <p>3GPP TS 29.061 V8.7.0: Sections 11.2.1.4; Figures 11c, 11d, 11e</p> <p>IETF RFC 3344: Sections 1.5, 1.7, 3</p>				
		KR10-1007005	1	<p>3GPP TS 23.060 V8.9.0: Section 9.2.3.2</p> <p>3GPP TS 23.401 V8.10.0: Section 4.2.2</p> <p>3GPP TS 29.061 V8.7.0: Section 11.2.1.4</p>				
		US7640017	1	<p>3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b</p> <p>3GPP TS 24.008 V8.10.0: Section 10.5.6.4; Figure 10.5.137; Table 10.5.155</p> <p>3GPP TS 29.061 V8.7.0: Section 11.2.1.4; Figures 11, 11c, 11d</p> <p>3GPP TS 23.228 V8.12.0: Sections 3.1, I.1, I.2, I.3, I.3.1, I.3.1.2; Figures I.1, I.3</p>				
		US8023946	1	<p>3GPP TS 23.401 V8.10.0: Section 4.2.2; Figure 4.2.2-3</p> <p>3GPP TS 23.060 V8.9.0: Sections 9.2.2, 9.2.2.1, 9.2.3.2; Figures 63, 64, 71a, 71b</p> <p>3GPP TS 24.008 V8.10.0: Sections 10.5.6.4; Figure 10.5.137; Table 10.5.155</p> <p>3GPP TS 29.061 V8.7.0: Sections 11.2.1.4; Figures 11c, 11d, 11e</p> <p>IETF RFC 3344: Sections 1.5, 1.7, 3</p>				
ORA058	3G Licensing	CNZL200780010663.X	20	<p>3GPP TS 23.327 V8.4.0: Sections 5, 5.2, 5.2.1, 5.3, 5.3.1, 5.3.2, 5.4, 6, 6.1, 6.3, 6.3.1, 6.3.2, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1</p> <p>3GPP TS 23.234 V8.0.0: Sections 1, 2, 5, 5.13, 5.13.1, 5.13.2, 5.7, 5.7.1, 6, 6.1, 6.1.1, 6.2, 6.2.1, 6.2.5, 6.2.6; Figure 6.1</p> <p>3GPP TS 23.107 V8.2.0: Section 6.3</p>				
		EP1838044 (DE, ES, FR, GB, IT)	20	<p>3GPP TS 23.234 V8.0.0: Sections 1, 5.13.3</p> <p>3GPP TS 23.327 V8.4.0: Sections 5.3.1, 6.3.1; Figures 6.3.1-1</p> <p>IETF RFC 2474: Section 3</p>	20	<p>3GPP TS 23.327 V8.4.0: Sections 5, 5.2, 5.2.1, 5.3, 5.3.1, 5.3.2, 5.4, 6, 6.1, 6.3, 6.3.1, 6.3.2, 6.3.2.2; Figures 5.2.1-1, 6.1, 6.3.1-1, 6.3.2.2-1</p> <p>3GPP TS 23.234 V8.0.0: Sections 1, 2, 5, 5.13, 5.13.1, 5.13.2, 5.7, 5.7.1, 6, 6.1, 6.1.1, 6.2, 6.2.1, 6.2.5, 6.2.6; Figure 6.1</p> <p>3GPP TS 23.107 V8.2.0: Section 6.3</p>		
		IN300291	11	<p>3GPP TS 23.234 V8.0.0: Sections 1, 5.13.3</p> <p>3GPP TS 23.327 V8.4.0: Sections 5.3.1, 6.3.1; Figures 6.3.1-1</p> <p>IETF RFC 2474: Section 3</p>				

ORA059	3G Licensing	CNZL200780010562.2	1	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Sections 9.5.1, 10.5.6.5; Figure 10.5.138; Table 9.5.1, 10.5.156			
		IN282457	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
		JP5740672	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
		US8184646	18	3GPP TS 23.060 V8.15.0: Sections 4, 5.1, 5.2, 5.2.1, 5.3.0, 5.3.1, 5.3.1.1, 5.3.2, 5.3.3.1, 5.6.2.2, 9.2.2.1; Figures 6a, 63, 64 3GPP TS 23.107 V8.2.0: Sections 6.4.3.1, 6.4.3.2 3GPP TS 24.008 V8.16.0: Section 9.5.1, 10.5.6.5; Tables 9.5.1, 10.5.156; Figure 10.5.138			
ORA063*	3G Licensing	EP0562890 (AT, BE, ES, GB, IE, IT, LU, NL)	1, 5	3GPP TS 100 922 V8.0.0: Sections 1, 6.2 3GPP TS 101 622 V6.0.1: Sections 4.3, 5, 5.2 3GPP TS 122 038 V3.4.0: Sections 9.1 3GPP TS 100 977 V8.13.0: Annex E, Annex I 3GPP TS 101 267 V8.17.0: Sections 3.2, 7, 7.1, 7.1.1, 7.1.2 3GPP TS 122.003 V6.0.0: Annex A, 1.3.4, A.1.3.4.2 3GPP TS 123.040 V3.9.0: Sections 3.1, 3.2.3, 9.2.3, 9.2.3.9, 9.2.3.22, 9.2.3.24, 9.2.3.24.10, 9.2.3.24.10.1, 9.2.3.24.10.1.1; Figure 1			
		HK1005009	1, 5	3GPP TS 22.038 V 3.4.0: Section 9.1 3GPP TS 11.14 V 8.17.0: Sections 3.2, 7.1.1, 7.1.2 3GPP TS 22.003 V 6.0.0: Sections A.1.3.4 3GPP TS 23.040 V 3.9.0: Sections 3.1, 3.2.3, 9.2.3, 9.2.3.22, 9.2.3.24, 9.2.3.24.10.1, 9.2.3.24.10.1.1, 9.2.3.9 3GPP TS 11.11 V 8.13.0: Sections Annex F, Annex I			
ORA064*	3G Licensing	AU729163	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K and K.2; Figure 8.2, 8.4, K.1; Table 8.1, 11.11			
		CA2280150	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 3GPP TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K, K.2; Figure 8.2, 8.4, K.1; Table 8.1, 11.11			
		CNZL98802464.0	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.5.2, Annex K, K.2; Figure 8.2, 8.4, K.1; Table 8.1, 11.11			
		EP0960542 (DE, ES, FR, GB, IT)	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1			
		IN208486	18	3GPP TS 21.111 V7.1.0: Sections 4, 10.2.2, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1; Figures 4.1, 4.2 ETSI TS 102.221 V7.4.0: Sections 7.3.1.1, 8.2.2.1, 8.2.2.2, 8.2.2.3, 8.2.2.4, 11.1.5.1; Figures 8.2, 8.3			
		JP4357596	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.101 V7.0.1: Section 8.1 3GPP TS 31.102 V7.13.0: Sections 3.3, 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 ETSI TS 102.221 V7.4.0: Sections 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, 11.1.6.1, Annex K, K.1, K.2; Figures 8.2, 8.4, K.1; Table 8.1			
		US6856818	18	3GPP TS 21.111 V7.1.0: Sections 1, 4, 5.1, 5.2, 6.1, 11.2 3GPP TS 31.102 V7.13.0: Sections 4.4.2, 4.7, 5.1.1.1, 5.3.29; Figure 4.2 3GPP TS 31.101 V7.0.1: Section 8.1 ETSI TS 102.221 V7.4.0: Sections 3.1, 8.2.2.2, 8.4.1, 8.4.3, 11.1.1.1, 11.1.3.1, 11.1.5.1, Annex K, K.2; Figure 8.2, 8.4, K.1; Table 8.1			

ORA065	3G Licensing	CNZL01818343.3	8	3GPP TS 22.279 V7.1.0: Sections 1, 2, 3.1, 6, 8 3GPP TS 23.279 V7.0: Sections 8.1, 8.3.1, 8.3.2; Figures 8-1, 8.3-1, 8.3-2 3GPP TS 23.228 V7.16.0: Sections 4.13.2, 4.13.3; Figure 4.13-1 3GPP TS 24.173 V9.1.0: Sections 4.2, 5.1, 5.2 3GPP TS 24.229 V7.28.0: Sections 5.1, 5.1.2A.1, 6.1.2, 6.1.3, 7.9.2, 7.2A.8.1, 7.2A.8.2, 7.2A.9.1, 7.2A.9.2, 7.9.2, 7.9.3 3GPP TS 24.279 V7.0: Sections 6.3.1.8, 6.3.1.9, 7.3.1.3, 7.3.1.4, A.1, A.2, A.3, 7.3.1.8, 7.3.1.9			
		CNZL200510097414.1	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 7.2b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4.5, 5.10.3.0, Annex E, E.0, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1			
		EP1921855 (DE, ES, FR, GB, IE, IT, LU, NL, TR)	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 7.2b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4.5, 5.10.3.1, Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1			
		US7102663	26	3GPP TS 24.173 V9.1.0: Sections 4.2, 5.2 3GPP TS 22.279 V7.1.0: Sections 1, 2, 3.1, 6, 8 3GPP TS 23.279 V7.0: Sections 8.1, 8.3.1, 8.3.2; Figures 8-1, 8.3-1, 8.3-2 3GPP TS 23.228 V7.16.0: Sections 4.13.2, 4.13.3 3GPP TS 24.229 V7.28.0: Sections 5.1, 5.1.2A.1, 6.1.2, 6.1.3, 7.9.2, 7.2A.8.1, 7.2A.8.2, 7.2A.9.1, 7.2A.9.2, 7.9.3 3GPP TS 24.279 V7.0: Sections 6.3.1.8, 6.3.1.9, 7.3.1.3, 7.3.1.4, A.1, A.2, A.3, 7.3.1.8, 7.3.1.9			
		US7995091	1	3GPP TS 23.060 V8.9.0: Sections 5.1, 5.3.8, 5.4.6, 9.2.3.3; Figures 1, 7.2b 3GPP TS 23.228 V8.12.0: Sections 4.0, 4.16.1, 4.16.2, 5.4.4.5, 5.10.3.1, Annex E, E.0, E.2.1a.1, E.2.1a.2, E.2.4.0, E.2.4.1; Figure E.2 3GPP TS 23.401 V8.17.0: Sections 4.7.1, 4.7.2.2; Figure 4.7.2.2-1			
SIE001	Siemens	AU2004214376	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		BRPI0407702-4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		CNZL200480004608.6	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		EP1595420 (DE, ES, FI, FR, GB, IT, NL, SE, TR)	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		IDP0025685	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		IN225756	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		JP4284324	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		KR10-1050335	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		MX266549	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		RU2335866	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		US7676041	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
		ZA200505960	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V8.5.0: Sections 1, 3.1, 4.1, 4.2.1, 4.2.2, 4.2.4, 4.4.11, 4.5.2, 4.5.3, Annex B.2, Annex B.3; Figures 4.1, 4.3, 4.4	
SIE002	Siemens	EA013147	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	
		EP2052517 (DE, ES, FI, FR, GB, IE, IT, NL, PL)	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2 3GPP TS 21.905 V13.0.0: Section 3	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	
		JP5054772	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	
		KR10-1401605	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	
		US9197615	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	1	3GPP TS 33.401 V13.2.0: Sections 6, 6.1, 6.1.1, 6.2, 7.2, 7.2.8, 7.2.8.1, 7.2.8.1.1, 9, 9.2, Annex A.2	
SIE003	Siemens	CNZL200780037127.9	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	
		EP2070269 (DE, FR, GB, SE)	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	
		JP4981139	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	
		KR10-1432792	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	
		US8374084	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	1	3GPP TS 36.321 V8.5.0: Sections 5.4.3, 5.4.3.1	
SIE004	Siemens	CNZL200780005003.2	1	3GPP TS 33.246 V14.2.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	1	3GPP TS 33.246 V15.0.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	
		EP1982494 (BG, CY, DE, FR, GB, RO)	1	3GPP TS 33.246 V14.2.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	1	3GPP TS 33.246 V15.0.0 Sections 1, 3.2, 4, 4.1, 4.1.1, 4.1.2, 6, 6.3, 6.3.2, 6.3.2.2, 6.3.2.2.1, 6.6, 6.6.1; Figures 4.1, 6.1	

SIE018	Siemens	US8619667			1	3GPP TS 36.300 V11.1.0: Section 5.2.4 3GPP TS 36.211 V9.0.0: Sections 5.2.3, 5.3.4, 5.5.2.1.2; Table 5.2.3-1 3GPP TS 36.213 V9.1.0: Section 8.1	1	3GPP TS 36.300 V15.3.0: Section 5.2.4 3GPP TS 36.211 V15.2.0: Sections 5.2.3, 5.3.4, 5.5.2.1.2; Table 5.2.3-1 3GPP TS 36.213 V15.3.0: Section 8.1
SIE019	Siemens	US7746841	1		1, 17	3GPP TS 36.300 V9.36.0: Sections 1, 6.9, 9.1; Figure 6-2 3GPP TS 36.321 V9.3.0: Sections 1, 3.2, 5.4.2.1, 5.4.2.2, 6.1.2, 6.2.1: Fieutrd 6.1.2-1, 6.1.2-3	1, 17	3GPP TS 36.300 V15.6.0: Sections 1, 6.9, 9.1; Figure 6-2 3GPP TS 36.321 V15.6.0: Sections 1, 3.2, 5.4.2.1, 5.4.2.2, 6.1.2, 6.2.1: Fieutrd 6.1.2-1, 6.1.2-3
SIE020	Siemens	US7729349			10	3GPP TS 36.300 V12.0.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V12.0.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V12.0.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1	10	3GPP TS 36.300 V15.6.0: Sections 4, 4.3, 4.3.1, 5.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.2.1, 6.1.2.2, 6.1.3.2; Figure 4.3.1-1 3GPP TS 36.321 V15.6.0: Sections 4.2, 4.2.1, 5.11, 5.12, 6.1.2, 6.2, 6.2.1; Figures 6.1.2-1, 6.1.2-3 3GPP TS 36.331 V15.6.0: Section 5.8.4, 5.8.4.1, 6.3.7; Figures 5.8.4.1-1, 6.1.3.2-1
SIE021	Siemens	US7894802			16	3GPP TS 36.306 V9.0.0: Section 4.1; Tables 4.1-1, 4.1-2 3GPP TS 36.331 V9.0.0: Sections 1, 3.2, 4.4, 5.6.3.1, 6.2.2, 6.3.6; Figure 5.6.3.1-1	16	3GPP TS 36.306 V15.5.0: Section 4.1; Tables 4.1-1, 4.1-2 3GPP TS 36.331 V15.6.0: Sections 1, 3.2, 4.4, 5.6.3.1, 6.2.2, 6.3.6; Figure 5.6.3.1-1
SIE022	Siemens	US7286554			10	3GPP TS 36.300 V10.3.0: Sections 3.2, 4, 15.1.1; Figure 15.1.1-1 3GPP TS 36.331 V10.1.0: Sections 1, 6.2.2	10	3GPP TS 36.300 V15.6.0: Sections 3.2, 4, 15.1.1; Figure 15.1.1-1 3GPP TS 36.331 V15.6.0: Sections 1, 6.2.2
SIE023	Siemens	US7499414			1	3GPP TS 26.346 V10.0.0: Sections 4.4.1, 4.4.3, 5.2.1, 5.3.1, 5.3.2, 5.3.5.1; Figures 4, 6, 7	1	3GPP TS 26.346 V15.1.0: Sections 4.4.1, 4.4.3, 5.2.1, 5.3.1, 5.3.2, 5.3.5.1; Figures 4, 6, 7
SIE024	Siemens	US7689662			1	3GPP TS 33.220 V14.0.0: Sections 1, 4.1, 4.2.1, 4.5.2, 4.5.3; Figures 4.1, 4.3, 4.4	1	3GPP TS 33.220 V15.4.0: Sections 1, 4.1, 4.2.1, 4.5.2, 4.5.3; Figures 4.1, 4.3, 4.4
SIE025	Siemens	US7315537			1	3GPP TS 23.379 V14.0.0: Sections 4, 5.1, 7.4.2.3.2, 7.4.2.3.3, 7.4.2.3.4, 10.2, 10.9.1.2.1, 10.9.1.2.2; Figure 10.2-1; Table 10.9.1.2.2-1	1	3GPP TS 23.379 V15.6.0: Sections 4, 5.1, 7.4.2.3.2, 7.4.2.3.3, 7.4.2.3.4, 10.2, 10.9.1.2.1, 10.9.1.2.2; Figure 10.2-1; Table 10.9.1.2.2-1
SKT002*	SK Telecom	KR10-0501031			1,8	3GPP TS 36.113 V8.14.0: Sections 6.2.2.1.1 3GPP TS 36.213 V8.8.0: Sections 5.1.1.1, 6.1 3GPP TS 36.321 V8.9.0: Sections 5.1.1, 5.1.2, 5.1.3, 5.1.4 3GPP TS 36.331 V8.14.0: Sections 5.2.1.1, 6.3.1, 6.3.2		
SKT003	SK Telecom	BRPI0706360-1			1	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1		
		CNZL200780006495.7			11	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1		
		EP2057811 (DE, ES, FR, GB, NL, SE, TR)			13	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1		
		IN263473			8	3GPP TS 36.101 V10.3.0: Sections 7.1, C.1, C.2; Table C.2-1 3GPP TS 36.211 V10.1.0: Section 3.1, 6.2.3, 6.11, 6.11.2.1, 6.11.2.2 3GPP TS 36.213 V10.1.0: Section 4.1		
		KR10-0874485			1	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1		
		US8125976			13	3GPP TS 36.211 V10.1.0: Sections 3.1, 6.11, 6.11.2.1, 6.11.2.2 and 6.12; Tables 6.11.2.1-1 3GPP TS 36.213 V10.1.0: Section 4.1 3GPP TS 36.101 V10.3.0: Sections 7.1; Annex C; Table C.2-1		
SKT004	SK Telecom	CNZL201480052265.4			1	3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6, and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1 3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		CNZL201910925953.1			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101517			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101577			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		KR10-2101578			1	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		US10028328			1, 9	3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3 3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8; Figure 6.1.3.8-1	1, 9	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1
		US10397975			1	3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6, 11.2; Fig. 6.5-1 3GPP TS 36.321 V12.4.0: Sections 6.1.3.8, Fig. 6.1.3.8-1 3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3	1	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3.10; Figure 6.1.3.10-1

SKT004	SK Telecom	US9439233			1, 9	3GPP TS 36.300 V12.4.0: Sections 6.5, 7.6 and 11.2; Figure 6.5-1 3GPP TS 36.321 V12.4.0: Section 6.1.3.8: Figure 6.1.3.8-1 3GPP TS 36.133 V12.4.0: Sections 7.7.2 and 7.7.3	1, 9	3GPP TS 36.300 V16.7.0: Section 6.5; Figure 6.5-1 3GPP TS 37.340 V16.8.0: Sections 4.1.1, 6.1 3GPP TS 38.213 V16.8.0: Section 4.3 3GPP TS 38.321 V16.7.0: Section 5.9, 6.1.3, 10: Figure 6.1.3, 10-1
SKT005	SK Telecom	KR10-2023671			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		KR10-2058816			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		KR10-2058817			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US10348385			1	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US9510332			1, 8	3GPP TS 36.211 V12.9.0 Section 4, 3GPP TS36.213 V12.8.0 Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C, 3GPP TS36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS36.331 V12.7.0 Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
		US9800313			1, 9	3GPP TS 36.211 V12.9.0: Section 4 3GPP TS36.213 V12.8.0: Sections 7.1, 7.2, 7.2.2, Table 7.2.2-1A, Table 7.2.2-1C 3GPP TS36.300 V12.7.0: Sections 5.3.1.1, 5.5 and 7.5 3GPP TS36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b, 5.3.10.6 and 6.3.2		
SKT006	SK Telecom	KR10-2120497			1	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		KR10-2173193			1	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		US10122514			19	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
		US10355845			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.3, 7.3.2.1, 7.3.2.2, 10.1.1, 10.1.3A 3GPP TS 36.300 V12.7.0: Sections 5.3, 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 3.1, 5.3.5, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b		
		US9853795			19	3GPP TS 36.213 V12.7.0 Sections 7.1, 7.3, 7.3.2.1, 7.3.2.2, 7.3.4, 10.1.1, 10.1.3A, Table 10.1.3A-1, 3GPP TS 36.300 V12.7.0 Sections 5.3.1.1, 5.5, 7.5, 3GPP TS 36.331 V12.7.0 Sections 3.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10 and 5.3.10.3b		
SKT007	SK Telecom	CNZL201480054683.7			1	3GPP TS36.213 V12.7.0: Sections 8.0, 8.3, and 9.1.2 3GPP TS36.300 V12.7.0: Section 5.5 3GPP TS36.321 V12.7.0: Section 5.4.1 3GPP TS36.331 V12.7.0: Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b, and 6.3.2		
		CNZL201910940520.3			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		KR10-2118750			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		

SKT007	SK Telecom	KR10-2251123			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		KR10-2314101			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		US10389492			1	3GPP TS 36.213 V12.7.0: Sections 8.0, 8.3, 9.1.2 3GPP TS 36.300 V12.7.0: Sections 5.5 3GPP TS 36.321 V12.7.0: Sections 5.4, 5.4.1 3GPP TS 36.331 V12.7.0: Sections 5.3.5, 5.3.5.3, 5.3.5.4, 5.3.10, 5.3.10.3b, 6.3.2		
		US10615926			1	3GPP TS 36.213 V12.7.0 Sections 8.0, 8.3, 9.1.2, 3GPP TS 36.300 V12.7.0 Section 5.5, 3GPP TS 36.321 V12.7.0 Section 5.4.1, 3GPP TS 36.331 V12.7.0 Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b and 6.3.2.		
		US9768918			1	3GPP TS 36.213 V12.7.0 Sections 8.0, 8.3 3GPP TS 36.300 V12.7.0 Section 5.5 3GPP TS 36.321 V12.7.0 Section 5.4.1 3GPP TS 36.331 V12.7.0 Sections 5.3.5.3, 5.3.5.4, 5.3.10.3b and 6.3.2		
SKT008	SK Telecom	CNZL201580070137.7			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		EP3216139 (DE, ES, FR, GB, IT)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.2, 9.2.4, 9.3.6, 9.8, Table 9.8-1, 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3		
		EP3614785 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		EP3793321 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2078424			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2238523			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		KR10-2255690			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		US10334644			1	3GPP TS 36.211 V12.8.0 Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8, Table 9.8-1 3GPP TS 36.213 V12.8.0 Sections 14.1.1, 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0 Sections 5.10.7.1 and Figure 5.10.7.1-2		
		US10652941			1	3GPP TS 36.211 V12.8.0: Sections 9.1, 9.1.2, 9.2, 9.2.4, 9.3.1, 9.3.6, 9.5, 9.7, 9.7.1, 9.7.2 and 9.8; Table 9.8-1 3GPP TS 36.213 V12.8.0: Sections 14.1.3, 14.3.1, 14.3.2, 14.4 3GPP TS 36.331 V12.7.0: Sections 5.10.7.1; Figure 5.10.7.1-2		
		US10986681			1	3GPP TS 36.211 V12.8.0: Sections 9, 9.1, 9.1.2, 9.2, 9.2.4, 9.3, 9.3.1, 9.3.6, 9.7, 9.7.1, 9.7.2, 9.8 3GPP TS 36.213 V12.8.0: Sections 14, 14.1, 14.1.3, 14.3, 14.3.1 3GPP TS 36.331 V12.7.0: Sections 5.10.7, 5.10.7.1		
SKT009	SK Telecom	US10128986			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.1.8, 7.3.4, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
		US10637614			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.3, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Section 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.1.1, 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		

SKT009	SK Telecom	US11038627			1	3GPP TS 36.213 V12.7.0: Sections 7, 7.1, 7.1.8, 7.3.4, 10.2; Table 7-2 3GPP TS 36.300 V12.7.0: Sections 5.3.1.1, 5.5, 7.5 3GPP TS 36.331 V12.7.0: Sections 5.3.5.1, 5.3.5.3, 5.3.5.4, 5.3.10.3b		
SKT011	SK Telecom	CNZL201680079838.1			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		EP3410774 (DE, ES, FR, GB, IT, NL)			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		JP6638091			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		JP6876116			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		KR10-1893917			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		KR10-1932574			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
		US10659397			1	3GPP TS 23.214 V14.2.0: Sections 4.2, 4.2.1, 5.9, 5.9.1, 5.9.3, 5.9.3.1, 5.9.3.2, 6.2.3, 6.3, 6.3.1, 6.3.1.5; Figures 4.2.1-1, 6.2.3-1	1	3GPP TS 23.501 V17.2.0: Sections 4.1, 4.2.1, 4.2.6, 5.3.3.2.4, 5.8.2.11.15, 5.8.3.1, 5.8.3.2; Table 5.8.2.11.15-1 3GPP TS 23.502 V17.2.1: Section 4.2.3.3
SKT012	SK Telecom	CNZL201680066884.8			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		CNZL201680067157.3			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		EP3364695 (DE, ES, FI, FR, GB, IT, NL, TR)			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		EP3379867 (DE, ES, FR, GB, IT, NL, TR)			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		IN418542			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		JP7128234			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		KR10-1795786			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		KR10-1795787			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US10609636			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US11178600			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
		US11265809			1	3GPP TS 23.401 V14.3.0: Sections 4.3.25.1a, 5.3.2.1; Figure 5.3.2.1-1 3GPP TS 24.301 V14.3.0: Sections 5.3.1.1, 5.5.1.2.4		
SKT013	SK Telecom	CNZL201780049384.8			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		EP3498023 (ES, FR, GB, IT, NL)			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2711952			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2722424			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		
		RU2735387			1	3GPP TS 36.212 V14.7.0: Section 5.3.3.1.9A 3GPP TS 36.213 V14.3.0: Sections 14.1.5, 14.2, 14.2.1 3GPP TS 36.321 V14.8.0: Sections 3.1, 5.14.1.1 3GPP TS 36.331 V14.8.0: Section 6.3.2		

SKT016	SK Telecom	US11412564			1	3GPP 23.401 V15.4.0: Sections 3.2, 4.1, 4.3.2a, 4.7.3, 5.3.2.1; Figures 4.2.1-1, 4.2.1-2 3GPP TS 24.301 V15.4.0: Sections 3.2, 5.5.1.2.2, 5.5.1.2.4 3GPP TS 38.300 V15.4.0: Sections 3.1, 3.2, 4, 4.9.1, 4.9.2, 4.9.3.1; Figures 4.1, 4.9.2-1, 4.9.3.1-1	1	3GPP 23.401 V17.8.0: Sections 3.1, 3.2, 4.2.1, 4.7.3; Figures 4.2.1-1, 4.2.1-2 3GPP TS 23.501 V17.6.0: Sections 3.1, 4.2.8.0, 5.1, 5.11.1, 5.7.2.6 3GPP TS 23.502 V17.9.0: Sections 4.2.2.1, 4.2.2.2.1, 4.2.2.2.2, 4.3.3.2a 3GPP TS 38.300 V17.5.0: Sections 3.1, 3.2, 4.1, 4.5; Figure 4.1-1
SKT017	SK Telecom	CNZL201780030831.5					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		EP3445082 (DE, ES, FR, GB, IT, NL, TR)					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		JP6674051					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		JP6952816					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		KR10-2115213					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		KR10-2115218					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		US10945159					8	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
		US11627494					1	3GPP TS 23.501 V15.3.0: Sections 5.1.5.1, 5.7.1.1, 5.7.5.1, 5.7.5.2, 5.7.5.3 3GPP TS 23.502 V15.9.0: Sections 4.3.2.2.2; Figure 4.3.2.2.2-1, 4.3.3.1, 4.3.3.3 3GPP TS 38.300 V15.5.0: Section 12.1
SKT018	SK Telecom	US11653248					1	3GPP TS 38.331 V16.12.0: Sections 3.2, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1, 5.3.13.1-2 3GPP TS 23.501 V16.16.0: Sections 3.2, 5.7.1.1, 5.7.1.5; Figure 5.7.1.5-1 3GPP TS 38.300 V16.12.0: Sections 3.1, 3.2, 4.1
SKT019	SK Telecom	CNZL201680085944.0					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		EP3444958 (GB, FR, DE, IT, ES)					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		IDP0065766					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		IN434700					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		JP6873161					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		KR10-2021086					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		KR10-2021089					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
		US11019664					1	3GPP TS 38.321 V15.13.0: Sections 5.1.2, 5.1.3
SKT047	SK Telecom	US11272401					1	3GPP TS 38.214 V17.6.0: Sections 5.2.1, 5.2.3 3GPP TS 38.300 V17.0.0: Sections 3.1, 3.2, 4.1, 7.2, 18.0, 18.2; Figure 18.2-1 3GPP TS 38.331 V17.1.0: Section 4.2.1
SNY001*	Sisvel International	US7171230				1	3GPP TS 36.213 V8.7.0: Sections 5, 5.1, 5.1.1, 5.1.1.1, 6.1 3GPP TS 36.331 V8.5.0: Sections 5.5.3.2, 6.3.2	
SNY002	Sisvel International	KR10-1392025				1	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1	
		US8811466				7	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1	
		US9432103				1	3GPP TS 36.300 V12.4.0: Sections 5.1, 5.1.1, 5.1.4, 5.1.5, 5.1.8 3GPP TS 36.211 V8.5.0: Sections 3.1, 6.10, 6.10.1, 6.10.1.1, 6.10.1.2, 7.2; Figure 6.10.1.2-1	
TCH001	Sisvel SPA	EP2315383 (AT, CH, CZ, DE, DK, ES, FI, FR, GB, HU, IE, IT, NL, PL, PT, RO, SE, TR)					1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3

TCH001	Sisvel SPA	JP4968858				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		KR10-0912784				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		MX287630				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		RU2392752				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US7869396				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US8165596				1	3GPP TS 36.321 V16.1.0: Sections 1, 3.1 and 3.2 3GPP TS 38.322 V16.1.0: Sections 1, 3.2, 5.2.3.2.1, 5.2.3.2.3, 5.3.1, 5.3.3.3, 5.3.4, 6.1.3, 6.2.2.5, 6.1.3.10, 6.2.3.12, 7.1 and 7.3
		US8369865			1	3GPP TS 36.322 V8.5.0: Sections 4.2.1, 4.2.1.3.1, 4.2.1.3.3, 5.1.3.1.1, 5.1.3.2.3, 5.2.1, 5.2.3, 6.1.2, 6.2.1.6, 6.2.2.14, 7.1, 7.3; Figure 6.2.1.6-1	
TCH002	Sisvel SPA	CNZL201310036114.7				1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		JP5238067			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2	
		JP5426001				1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		JP6002118			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2	
		US8411633				1	3GPP TS 38.213 V16.2.0: Sections 1, 3, 10.2; Table 10.2-2 3GPP TS 38.321 V16.1.0: Sections 3.1, 3.2, 5.3.1, 5.8.1
		US8971279			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2	
		US9369254			1	3GPP TS 36.321 V8.5.0: Sections 5.4.1, 5.10.2; Table 7.1-2 3GPP TS 36.213 V8.6.0: Sections 8, 9.1.1, 9.2; Table 8-5, 9.2-1A 3GPP TS 36.212 V8.8.0: Sections 5.3.3, 5.3.3.1.1 3GPP TS 36.331 V8.4.0: Sections 6.2, 6.3.2	
TCH003	Sisvel SPA	EP2073588 (DE, GB, IT)				1	3GPP TS 38.300 V16.7.0: Sections 4, 4.4 and 4.4.1 3GPP TS 38.323 V16.5.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.4 3GPP TS 38.322 V16.2.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.1.1, 4.2.1.1.1, 4.2.1.1.2, 4.2.1.1.3, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2, 4.2.1.2.3, 4.2.1.3, 4.2.1.3.1, 4.2.1.3.2, 4.2.1.3.3, 4.4
		US8260287	1	3GPP TS 25.323 V8.5.0: Sections 4.2; Figure 1 3GPP TS 25.322 V8.9.0: Sections 4.2.1, 6			
		US9072006				13	3GPP TS 38.300 V16.7.0: Sections 4, 4.4 and 4.4.1 3GPP TS 38.323 V16.5.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.2, 4.4 3GPP TS 38.322 V16.2.0: Sections 4, 4.1, 4.2, 4.2.1, 4.2.1.1, 4.2.1.1.1, 4.2.1.1.2, 4.2.1.1.3, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2, 4.2.1.2.3, 4.2.1.3, 4.2.1.3.1, 4.2.1.3.2, 4.2.1.3.3, 4.4
TEF001	Telefónica	EP2716111 (DE, ES, GB)				1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1
		US9439115			1	3GPP TS 36.214 V12.3.0: Section 5.1.1 3GPP TS 36.300 V12.7.0: Section 16.1.10 3GPP TS 36.304 V12.6.0: Sections 4.2, 5.2.3.2, 5.2.4.6; Table 4.2-1	
TEF002	Telefónica	EP2861033 (DE, ES, GB)				1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1
		US9313736			1	3GPP TS 24.301 V14.9.0: Sections 5.3.12, 9.9.3.46 3GPP TS 24.008 V14.7.0: Sections 2.1.2, 4.7.3.1.1, 4.7.3.1.3, 9.4.1, 9.4.2, 10.5.5.32; Figure 10.5.5.32; Tables 9.4.1, 9.4.2 3GPP TS 36.321 V11.6.0: Section 3.1; Figure 3.1-1	
TIM001	TIM	CNZL2011100282220	1, 10	3GPP TS 23.402 V9.3.0: Sections 1; 4.1.0; 4.3.3.3; 4.5.2; 6.3; 6.10; 12.3; Figure 6.10-1		1, 10	3GPP TS 23.402 V9.3.0: Sections 1; 4.1.0; 4.3.3.3; 4.5.2; 6.3; 6.10; 12.3; Figure 6.10-1
		EP2341723 (AT, BE, CH, CZ, DE, DK, ES, FR, GB, HU, IE, IT, NL, PL, PT, RO, SE, TR)				1, 3	3GPP TS 23.402 V9.3.0: Sections 1, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10, 12.3; Figure 6.10-1
		US8593963			8	3GPP TS 23.402 V9.3.0: Sections 1, 4.1.3.2, 4.3.3.1, 4.3.3.3, 4.4.1, 4.5.2, 6.10, 12.3; Figure 6.10-1	
		US9357374	1, 9	3GPP TS 23.402 V9.3.0: Sections 1, 3.2, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10; Figures 6.10-1, 12.3 3GPP TS 33.402 V15.1.0: Section 9.2.2.2.1		1, 9	3GPP TS 23.402 V9.3.0: Sections 1, 3.2, 4.1.0, 4.3.3.3, 4.4.1, 6.3, 6.10; Figures 6.10-1, 12.3 3GPP TS 33.402 V15.1.0: Section 9.2.2.2.1

TIM002	TIM	US7995988			1, 8, 14, 15	3GPP TS 36.305 V15.4.0: Sections 1, 4.1, 4.3, 5, 5.3.3, 5.3.4, 6.1.3, 6.1.4, 6.1.5, 6.2.1, 7.1.1, 7.1.2.1, 8.1.3.3.1, 8.6.3.1, 8.7.3.1.1, 8.8.3.1.1, 8.9.3.1.1; Figures 5-1, 8.9.3.1.1-1; Table 4.3-1	1, 8, 14, 15	3GPP TS 38.305 V15.5.0: Sections 1, 4.1, 4.3.1, 5.1, 5.4.4, 6.1.4, 6.1.5, 6.2.1, 7.1.1, 7.1.2.1, 8.1.3.3.1, 8.4.3.3.1, 8.5.3.3.1, 8.6.3.3.1, 8.7.3.3.1, 8.8.3.2; Figures 5-1-1, 8.1.3.3.1-1; Table 4.3.1-1
TIM003	TIM	US10567913			1	3GPP TS 23.303: Sections 1, 4.2, 5.3.3.2, 7A.1; Annex C.1, C.2; Table C.2-1; Figure 4.2-1, C.2-1 3GPP TS 22.278: Section 4.1		
UNI001	UNISOC	CNZL201710290717.8					10, 14, 16	3GPP TS 36.331 V15.6.0: Sections 3.1, 3.2, 5.6.3.1, 5.6.3.2, 5.6.3.3, 6.2.2 3GPP TS 38.331 V15.2.1: Sections 5.6.1.4, 6.3.3 3GPP TS 37.340 V15.6.0: Sections 3.2, 4.2.1, 10.2.1
UNI002	UNISOC	CNZL201611140968.X			1	3GPP TS 36.213 V15.3.0: Sections 6.1, 6.1.1 3GPP TS 36.331 V15.3.0: Section 6.2, 6.2.1, 6.3, 6.3.1		
		CNZL201911280547.0			1	3GPP TS 36.213 V15.3.0: Sections 6.1, 6.1.1 3GPP TS 36.331 V15.3.0: Section 6.2, 6.2.1, 6.3, 6.3.1		
UNI003	UNISOC	CNZL201510859850.1			1	3GPP TS 36.213 V15.8.0: Sections 7.2, 7.2.3 3GPP TS 36.331 V15.8.0: Section 6.3, 6.3.2 3GPP TS 36.300 V15.8.0: Section 5.2.3		
UNI004	UNISOC	CNZL201510868781.0					1	3GPP TS 38.214 V15.5.0: Sections 3.3, 5.1.2.1, 6.1.2.1 3GPP TS 38.213 V15.5.0: Section 10.1 3GPP TS 38.212 V15.4.0: Sections 7.3, 7.3.1.1, 7.3.1.1.1, 7.3.1.2, 7.3.1.2.1 3GPP TS 38.331 V15.5.0: Section 6.3.2
		CNZL201910722587.X					1	3GPP TS 38.214 V15.5.0: Sections 3.3, 5.1.2.1, 6.1.2.1 3GPP TS 38.213 V15.5.0: Section 10.1 3GPP TS 38.212 V15.4.0: Sections 7.3, 7.3.1.1, 7.3.1.1.1, 7.3.1.2, 7.3.1.2.1 3GPP TS 38.331 V15.5.0: Section 6.3.2
UNI005	UNISOC	CNZL201510573735.8					1	3GPP TS 37.355 V16.0.0: Sections 3.1, 3.2, 4.1.1, 5.1.1, 5.3.1, 6.3, 6.5.3.4, 6.5.9.4
UNI006	UNISOC	CNZL201910367603.8			1	3GPP TS 36.300 V17.2.0: Sections 23, 23.20, 23.20.2 3GPP TS 23.401 V17.4.0: Sections 4, 4.3, 4.3.33, 4.3.33.5		
UNI007	UNISOC	CNZL201710184384.0					15	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
		CNZL202110875829.6					14	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
		US11246108					11	3GPP TS 38.211 V15.2.0: Sections 3.2, 4.3.1, 4.3.2; Tables 4.3.2-1, 4.3.2-2 3GPP TS 38.213 V15.2.0: Sections 1, 4.1 3GPP TS 38.215 V15.2.0: Section 5.1.1
UNI008	UNISOC	CNZL201710181786.5					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		CNZL202110694184.6					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		US10582514					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
		US11019635					1	3GPP TS 38.133 V16.7.0: Section 8.5.1 3GPP TS 38.213 V16.6.0: Sections 3.3, 6 3GPP TS 38.300 V16.4.0: Sections 3.1, 9.2.8 3GPP TS 38.321 V16.4.0: Sections 5.17, 6.1.3.23; Figures 6.1.3.23-1, 6.1.3.23-2
UNI009	UNISOC	CNZL201810290152.8					9	3GPP TS 37.213 V16.2.0: Sections 1, 3.3, 4.0, 4.1, 4.1.1, 4.2.1.0.0, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.3 3GPP TS 38.212 V16.4.0: Sections 3.3, 7.3.1; Table 7.3.1-1 3GPP TS 38.213 V16.4.0: Sections 10.4, 11.1.1; Table 11.1.1-1 3GPP TS 38.300 V16.4.0: Sections 3.1, 3.2, 4.1 3GPP TS 38.331 V16.2.0: Section 6.3.2
		US11477822					9	3GPP TS 37.213 V16.2.0: Sections 1, 3.3, 4.0, 4.1, 4.1.1, 4.2.1.0.0, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.3 3GPP TS 38.212 V16.4.0: Sections 3.3, 7.3.1; Table 7.3.1-1 3GPP TS 38.213 V16.4.0: Sections 10.4, 11.1.1; Table 11.1.1-1 3GPP TS 38.300 V16.4.0: Sections 3.1, 3.2, 4.1 3GPP TS 38.331 V16.2.0: Section 6.3.2

UNIO10	UNISOC	CNZL201710685505X				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US10652891				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US11317408				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
		US11659537				1	3GPP TS 38.211 V15.4.0: Sections 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4 3GPP TS 38.212 V15.4.0: Sections 7.3.1, 7.3.1.0, 7.3.1.2.1; Table 7.3.1-1 3GPP TS 38.213 V15.4.0: Sections 3.3, 13; Tables 13-1, 13-2, 13-3 3GPP TS 38.214 V15.4.0: Sections 3.3, 5.1.2.2, 5.1.2.2.2, 5.1.4 3GPP TS 38.331 V15.3.0: Sections 5.2.1, 6.2.2, 6.3.2; Figure 5.2.2.1-1
UNIO11	UNISOC	CNZL201610302106.6				12	3GPP TS 38.212 V15.5.0: Sections 7.3.1, 7.3.1.2.1; Tables 7.3.1-1, 7.3.1.2.1-1 3GPP TS 39.213 V15.5.0: Sections 3.3, 10.1, 12 3GPP TS 38.300 V15.5.0: Sections 3.1, 6.2, 4.2 3GPP TS 38.331 V15.8.0: Sections 5.2.1, 5.2.2.1, 5.2.2.4.2, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.2, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1
		US10367613				15	3GPP TS 38.212 V15.5.0: Sections 7.3.1, 7.3.1.2.1; Tables 7.3.1-1, 7.3.1.2.1-1 3GPP TS 39.213 V15.5.0: Sections 3.3, 10.1, 12 3GPP TS 38.300 V15.5.0: Sections 3.1, 6.2, 4.2 3GPP TS 38.331 V15.8.0: Sections 5.2.1, 5.2.2.1, 5.2.2.4.2, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.2, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1
WIL004	Wilus	IN420846				1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1
		KR10-2353817				1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1
		US11064364				1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1
		US11646922				1	3GPP TS 36.212 V14.15.0: Sections 3.3, 5.2.2, 5.2.2.6, 5.3.3, 5.3.3.1, 5.3.3.1.1A; Table 5.3.3.1.1A-1 3GPP TS 36.211 V14.15.0: Sections 4.3, 5.2.1, 5.2.3; Table 5.2.3-1
WIL005	Wilus	CNZL201780018454.3				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2
		EP3435725 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2
		HK1261574				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2
		KR10-2285189				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2
		KR10-2413222				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2
		KR10-2526853				1	3GPP TS 36.212 V14.10.0: Sections 3.3, 5.3.5.3.3.3.1.4 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 13A, 15.1, 15.2, 15.2.1, 15.2.1.1, 15.2.1.2; Tables 13A-2

WIL008	Wilus	KR10-2536090			1	3GPP TS 36.212 V14.10.0: Sections 5.3, 5.3.3, 5.3.3.1.1A, 5.3.3.1.1B, 5.3.3.1.8A, 5.3.3.1.8B 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 15.2.1, 15.2.1.1, 15.2.1.2 3GPP TS 36.300 V14.10.0: Section 3.3	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1
		US10728919			1, 2	3GPP TS 36.212 V14.10.0: Sections 5.3, 5.3.3, 5.3.3.1.1A, 5.3.3.1.1B, 5.3.3.1.8A, 5.3.3.1.8B 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 15.2.1, 15.2.1.1, 15.2.1.2 3GPP TS 36.300 V14.10.0: Section 3.3	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1
		US11297636			1	3GPP TS 36.212 V14.10.0: Sections 5.3, 5.3.3, 5.3.3.1.1A, 5.3.3.1.1B, 5.3.3.1.8A, 5.3.3.1.8B 3GPP TS 36.213 V14.11.0: Sections 1, 3.2, 15.2.1, 15.2.1.1, 15.2.1.2 3GPP TS 36.300 V14.10.0: Section 3.3	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1
WIL009	Wilus	KR10-2278753			1	3GPP TS 37.213 V16.5.0: Sections 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.1, 4.2.2, 4.2.1.1; Tables: 4.2.1-1 3GPP TS 36.212 V16.5.0: Sections: 5.3.3.1, 5.3.3.1.1A, 5.3.3.1.1B; Tables: 5.3.3.1.1A-1, 5.3.3.1.1A-2, 5.3.3.1.1A-3	1	3GPP TS 37.213 V16.6.0: Sections 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.2.2; Table 4.2.1-1 3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1, 7.3.1.1.2, 7.3.1.1.3 3GPP TS 38.214 V16.6.0: Section 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		US11096060			1	3GPP TS 37.213 V16.5.0: Sections 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.1, 4.2.2, 4.2.1.1; Tables: 4.2.1-1 3GPP TS 36.212 V16.5.0: Sections: 5.3.3.1, 5.3.3.1.1A, 5.3.3.1.1B; Tables: 5.3.3.1.1A-1, 5.3.3.1.1A-2, 5.3.3.1.1A-3	1	3GPP TS 37.213 V16.6.0: Sections 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.2.2; Table 4.2.1-1 3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1, 7.3.1.1.2, 7.3.1.1.3 3GPP TS 38.214 V16.6.0: Section 6.1.2, 6.1.2.1; Table 6.1.2.1-1
		US11595824			1	3GPP TS 37.213 V16.5.0: Sections 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.1, 4.2.2, 4.2.1.1; Tables: 4.2.1-1 3GPP TS 36.212 V16.5.0: Sections: 5.3.3.1, 5.3.3.1.1A, 5.3.3.1.1B; Tables: 5.3.3.1.1A-1, 5.3.3.1.1A-2, 5.3.3.1.1A-3	1	3GPP TS 37.213 V16.6.0: Sections 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.2.2; Table 4.2.1-1 3GPP TS 38.212 V16.6.0: Sections 7.3.1.1, 7.3.1.1.1, 7.3.1.1.2, 7.3.1.1.3 3GPP TS 38.214 V16.6.0: Section 6.1.2, 6.1.2.1; Table 6.1.2.1-1
WIL010	Wilus	KR10-2389027			1	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6.6.1, 6.1.2.3
		KR10-2520327			1	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6.6.1, 6.1.2.3
		US11044752			12	3GPP TS 37.213 V15.3.0: Sections 4.2.1, 4.2.1.1, 4.2.1.2 3GPP TS 36.300 V15.12.0: Sections 5.7, 5.7.0, 11.1.2	1	3GPP TS 37.213 V16.6.0: Sections 4.2, 4.2.1, 4.2.1.0, 4.2.1.0.1, 4.2.1.0.3, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.1.2.1.2.2 3GPP TS 38.213 V16.6.0: Sections 11, 11.1, 11.1.1 3GPP TS 38.214 V16.6.0: Sections 6.6.1, 6.1.2.3
WIL011	Wilus	CNZL201880009423.6					1	3GPP TS 38.300 V15.12.0: Section 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V15.8.0: Section 4.4.1, 7.1.1, 7.1.2, 7.4.1.1.2; Tables 7.4.1.1.2-3, 7.4.1.1.2-4 3GPP TS 38.331 V15.13.0: Section 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11012209					1	3GPP TS 38.300 V15.12.0: Section 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V15.8.0: Section 4.4.1, 7.1.1, 7.1.2, 7.4.1.1.2; Tables 7.4.1.1.2-3, 7.4.1.1.2-4 3GPP TS 38.331 V15.13.0: Section 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
WIL012	Wilus	CNZL201880029109.4					1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		EP3605885 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)					1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
		KR10-2241122					1	3GPP TS 38.211 V15.8.0: Section 7.4.1.5.3 3GPP TS 38.212 V15.8.0: Sections 7.3, 7.3.1, 7.3.1.2, 7.3.1.3, 7.3.1.3.1 3GPP TS 38.213 V15.8.0: Sections 10.1, 11, 11.1.1 3GPP TS 38.300 V15.9.0: Section 4.4.2 3GPP TS 38.331 V15.9.0: Section 6.3.2
WIL013	Wilus	CNZL201880040071.0					7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1

WIL013	Wilus	JP6995392			7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2469365			9	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		US11381369			7	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1, 14 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.3.2; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V15.14.0: Sections 3.3, 10, 10.1, 11.1, 11.2 3GPP TS 38.331 V15.14.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
WIL014	Wilus	US11533131			1	3GPP TS 38.213 V15.15.0: Sections 9.1, 9.1.3, 9.1.3.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2, 7.3.1.2.2 3GPP TS 38.214 V15.16.0: Section 5.1
WIL015	Wilus	CNZL201880052102.4			1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		KR10-2356054			1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		KR10-2537798			1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
		US11240081			1	3GPP TS 38.300 V16.7.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.211 V16.7.0: Sections 6.3.2.2, 6.3.2.2.2, 6.3.2.3.1, 6.3.2.5.3, 6.4.1.3.2.2 3GPP TS 38.213 V16.7.0: Section 3.3, 6, 9.2, 9.2.1, 9.2.2, 9.2.3, 9.2.4, 9.2.5.1; Tables 9.2.3-3, 9.2.3-4, 9.2.5-1, 9.2.5-2 3GPP TS 38.321 V16.6.0: Sections 3.2, 5.4.4, 5.17
WIL016	Wilus	CNZL201880064924.4			1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		EP3681079 (DE, GB, FR, ES, IT, NL, PL, FI, SE, TR)			1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		JP7142960			1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
		KR10-2481201			1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1

WIL016	Wilus	US11304181				1	3GPP TS 38.300 V15.13.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.214 V15.13.0: Section 5.1.4.1 3GPP TS 38.331 V15.16.0: Sections 5.2.1, 5.2.2.1, 5.3.3.1, 5.3.5.1, 5.3.13.1, 6.2.2, 6.3.2, B.2; Figures 5.2.2.1-1, 5.3.3.1-1, 5.3.5.1-1, 5.3.13.1-1
WIL017	Wilus	JP6980317				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
		US11412507				1	3GPP TS 38.300 V15.6.0: Sections 1, 3.1, 3.2, 4.1 3GPP TS 38.213 V15.6.0: Sections 3.3, 8, 8.1, 11.1; Tables 8.1-1, 8.1-2
WIL018	Wilus	EP3740002 (DE, FR, GB, ES, FI, IT, NL, PL, SE, TR)				11	3GPP TS 38.211 V15.16.0: Section 4.4.5 3GPP TS 38.212 V15.13.0: Sections 4.2, 7.3.1, 7.3.1.1.1, 7.3.1.2.1 3GPP TS 38.214 V15.16.0: Sections 5.1.2.2, 5.1.2.2.2, 6.1.2.2.2
WIL019	Wilus	EP3739795 (DE, ES, FI, FR, GB, IT, NL, PL, SE, TR)				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		KR10-2484273				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
		US11523414				1	3GPP TS 38.300 V16.10.0: sections 1, 3.1, 3.2, 4.1 3GPP TS 38.212 V16.10.0: sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.11.0: sections 3.3, 10.3, 11, 11.2A 3GPP TS 38.331 V16.10.0: sections 5.3.5.1, 5.3.5.5.1, 6.2.2, 6.3.2, B.2; Figure 5.3.5.1-1
WIL021	Wilus	US11102806				1	3GPP TS 38.213 V15.11.0: Sections 9, 9.1.3.2 3GPP TS 38.214 V15.11.0: Sections 6.1.2, 6.1.2.1
WIL026	Wilus	JP7138379				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		KR10-2484270				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
		US11290218				1	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.10.0: Sections 4.2, 7.3, 7.3.1; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.8.0: Section 9.1.3.1
WIL027	Wilus	JP7214272				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
		US11405903				11	3GPP TS 38.300 V16.9.0: Sections 1, 3.1, 3.2, 4.1, 4.2, 5.2.3 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.2.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1
WIL032	Wilus	KR10-2492932				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		US11490406				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
		US11653353				1	3GPP TS 38.300 V16.9.0: Sections 3.1, 3.2, 4.1, 4.2 3GPP TS 38.212 V16.9.0: Sections 4.2, 7.3, 7.3.1, 7.3.1.1.2, 7.3.1.2.3; Tables 4.2-2, 7.3.1-1 3GPP TS 38.213 V16.9.0: Sections 9.1.3.1, 9.1.3.2; Table 9.1.3-2
WIL033	Wilus	US11464035				1	3GPP TS 38.214 V16.8.0: Sections 5.1.2.1, 5.1.2.1.1, 6.1.2.1 3GPP TS 38.300 V16.7.0: Section 5.2.3 3GPP TS 38.331 V16.7.0: Section 6.3.2
WIL034	Wilus	US11570803				12	3GPP TS 38.214 V16.14.0: Section 6.1.2.1 3GPP TS 38.213 V16.14.0: Section 10.1 3GPP TS 38.211 V16.10.0: Section 7.3.2.2 3GPP TS 38.331 V16.14.0: Section 6.3.2
WIL035	Wilus	US11503653				1	3GPP TS 37.213 V16.12.0: Sections 1, 4.2.1, 4.2.1.0.1, 4.2.1.1, 4.2.1.2, 4.2.1.2.1, 4.2.1.2.2 3GPP TS 38.212 V16.11.0: Section 7.3.1.1.2
WIL037	Wilus	US11601966				1	3GPP TS 38.213 V16.11.0: Section 11.2A 3GPP TS 38.331 V16.11.0: Section 6.3.2
WIR002	Wireless Innovations	CNZL200480040372.1			7		3GPP TS 23.122 V10.0.0: Sections 1.2, 2, 3.1, 4.4.3.1.1, 4.4.3.3.1

WIR002	Wireless Innovations	EP1695584 (BE, DE, ES, FI, GR, GB, IT, SE)			6	3GPP TS 23.122 V10.0.0: Section 1.2, 2, 3.1, 4.4.3.1.1, 4.4.3.3, 4.4.3.3.1; Annex A		
		JP4990341			6	3GPP TS 23.122 V14.5.0: Sections 1.2, 2, 4.4.1, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1 3GPP TS 24.002 V14.0.0: Sections 3.0; Figure 2 3GPP TS 31.102 V14.8.0: Section 4.2.2 3GPP TS 36.304 V14.7.0: Sections 5.1, 5.1.2.1, 5.1.2.2		
		US7366510			1, 6, 11, 16	3GPP TS 23.122 V10.0.0: Sections 1.2, 2.3.1, 4.3.3.1.1, 4.4.3.1.1, 4.4.3.3.1		
WIR003	Wireless Innovations	EP1683380 (BE, DE, ES, FI, FR, GB, IT, SE)			7	3GPP TS 23.122 V8.12.0: Sections 1.2, 2, 3.1, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1		
		HK1093275			7	3GPP TS 23.122 V8.12.0: Sections 1.2, 2, 3.1, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1, 4.4.3.1.1, 4.4.3.3.1		
		KR10-0763867			7	3GPP TS 23.122 V8.12.0: Sections 3.1, 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.3.1 and 4.4.3.1.1		
WIR007	Wireless Innovations	CNZL20080119450.5			9	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 5.8.1.2 and 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2 and 5.12; Table 4.5.2-1		
		EP2068492 (DE, ES, FI, FR, GB, IE, IT, NL, SE)			15	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2, 5.12; Table 4.5.2-1		
		JP5140160			15	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 4.5.2, 5.12; Table 4.5.2-1		
		KR10-1420909			6	3GPP TS 36.331 V9.18.0: Sections 5.8.1.1, 6.3.7 3GPP TS 36.321 V9.6.0: Sections 5.12, 6.1.3.7 3GPP TS 36.300 V9.10.0: Section 5.1.6		
		US8755400			4	3GPP TS 36.211 V11.7.0: Section 6.5 3GPP TS 36.212 V11.7.0: Section 4.2; Table 4.2-1 3GPP TS 36.300 V11.14.0: Section 15.3.3 3GPP TS 36.321 V11.6.0: Sections 4.2.1, 5.12, 6.1.2, 6.1.3.7; Figure 6.1.3.7-1		
		US9001725			4	3GPP TS 36.211 V11.7.0: Section 6.5 3GPP TS 36.212 V11.7.0: Section 4.2; Table 4.2 3GPP TS 36.300 V11.14.0: Section 15.3.3 3GPP TS 36.321 V11.6.0: Sections 5.12, 6.1.2 and 6.1.3.7; Figure 6.1.3.7-1		
WIR008	Wireless Innovations	KR10-1658686			5	3GPP TS 36.321 V10.10.0: Sections 5.3.2.1, 5.3.2.2, 5.7, 5.13 3GPP TS 36.213 V10.13.0: Sections 7.1, 7.1.6.3, 9.1.1 3GPP TS 36.212 V10.9.0: Sections 5.3.3, 5.3.3.1.3 3GPP TS 36.300 V10.12.0: Section 7.5		
		KR10-1761824			9	3GPP TS 36.212 V10.9.0: section 5.3.3.1.3 3GPP TS 36.213 V10.13.0: sections 4.3, 7.1, 9.1.1 3GPP TS 36.321 V10.10.0: sections 5.3.1, 5.13, 6.1.3.8; Figure 6.1.3.8-1		
		KR10-1863520			9	3GPP TS 36.321 V10.10.0: Sections 5.3.1, 5.3.2.1, 5.13 3GPP TS 36.300 V10.12.0: Section 11.1 3GPP TS 36.213 V10.13.0: Sections 7.1, 9.1.1 3GPP TS 36.212 V10.9.0: Section 5.3.3.1.3		
		US10412724			11	3GPP TS 36.321 V10.10.0: Sections 5.7, 5.13 3GPP TS 36.331 V10.22.0: Sections 5.3.1.1, 5.3.3.1, 5.3.3.4, 5.3.5.1, 5.3.5.3, 5.13; Figures 5.3.3.1-1, 5.3.5.1-1		