

Appendix B. SAR Tissue Specification

The brain mixtures consist of a viscous gel using hydrox-ethyl cellulose(HEC) gelling agent and saline solution. Preservation with a bactericide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue.

Frequency (MHz)	750 ~ 835		1 750		1 900		2 450		5 200 ~ 5 800	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Ingredient	% by weight									
Water	40.29	51.97	53.00	68.00	55.00	70.50	72.00	73.00	65.52	80.00
Salt (NaCl)	1.38	0.93	0.40	0.20	0.35	0.30	0.10	0.10	0	0
Sugar	57.90	47.00	0	0	0	0	0	0	0	0
HEC	0.24	0	0	0	0	0	0	0	0	0
Bactericide	0.19	0.10	0	0	0	0	0	0	0	0
Triton X-100	0	0	0	0	0	0	20.00	0	17.24	0
DGBE	0	0	46.60	31.80	44.65	29.20	0	26.90	0	0
Diethylene glycol hexyl ether	0	0	0	0	0	0	7.90	0	17.24	0
Polysorbate (Tween) 80	0	0	0	0	0	0	0	0	0	20.00
Tissue parameter target by C. Gabriel and G. Harts grove.										
Salt: 99 % Pure Sodium Chloride					Sucrose: 98 % Pure Sucrose					
Water: De-ionized, 16 M resistivity					HEC: Hydroxyethyl Cellulose					
DGBE: 99 % Di(ethylene glycol) butyl ether, [2-(2-butoxyethoxy) ethanol]										
Triton X-100(ultra-pure): Polyethylene glycol mono[4-(1,1,3,3-tetramethylbutyl)phenyl] ether										

Appendix C. LTE CA RF Conducted Power

The tables below show the supported frequency bands of the device for DL Inter-band and DL Intra-band combinations.

Power measurements were performed on the channel with the highest maximum output power from Tune-up Procedure.

In applying the power measurement procedures of KDB 941225 D05A for DL CA to qualify for UL SAR test exclusion, power measurement is required only for the subset in each row with the largest combination of frequency bands and CCs

Index	2CC	Restriction	Completely Covered by Measurement Superset	Reverse
2CC #1	2A-2A		3CC #1	
2CC #2	2C		3CC#10	
2CC #3	2A-4A		3CC #1	
2CC #4	2A-5A		3CC #2	
2CC #5	2A-7A		3CC #3	
2CC #6	2A-12A		3CC #4	
2CC #7	2A-13A		3CC #5	
2CC #8	2A-14A		3CC #6	
2CC #9	2A-29A	B29 SCC Only	3CC #7	
2CC #10	2A-30A		3CC #8	
2CC #11	2A-48A	B48 SCC Only	3CC #42	
2CC #12	2A-66A		3CC #44	
2CC #13	2A-71A		3CC #11	
2CC #14	4A-4A		3CC #12	
2CC #15	4A-5A		3CC #13	
2CC #16	4A-7A		3CC #14	
2CC #17	4A-12A		3CC #15	
2CC #18	4A-13A		3CC #16	
2CC #19	4A-29A	B29 SCC Only	3CC #17	
2CC #20	4A-30A		3CC #18	
2CC #21	4A-48A	B48 SCC Only	-	
2CC #22	4A-71A		3CC #19	
2CC #23	5A-7A		3CC #20	
2CC #24	5A-25A		-	
2CC #25	5A-30A		3CC #21	
2CC #26	5A-41A	B41 SCC Only	-	
2CC #27	5A-48A	B48 SCC Only	3CC #22	
2CC #28	5A-66A		3CC #23	
2CC #29	5B		-	
2CC #30	7A-7A		3CC #24	
2CC #31	7C		3CC #25	
2CC #32	7A-12A		3CC #26	
2CC #33	7A-13A		3CC #27	
2CC #34	7A-25A		-	
2CC #35	7A-29A	B29 SCC Only	3CC #28	
2CC #36	7A-66A		3CC #29	
2CC #37	7A-71A		3CC #30	
2CC #38	12B		3CC #31	
2CC #39	12A-25A		-	
2CC #40	12A-30A		3CC #32	
2CC #41	12A-48A	B48 SCC Only	-	
2CC #42	12A-66A		3CC #33	
2CC #43	13A-48A	B48 SCC Only	3CC #34	
2CC #44	13A-66A		3CC #35	
2CC #45	14A-30A		3CC #36	
2CC #46	14A-66A		3CC #37	
2CC #47	25A-25A		3CC #79	
2CC #48	25A-66A		3CC #80	
2CC #49	29A-30A		3CC #58	
2CC #50	29A-66A	B29 SCC Only	3CC #81	
2CC #51	30A-66A		3CC #63	
2CC #52	41A-41A		-	
2CC #53	41C		-	
2CC #54	48A-48A		3CC #42	
2CC #55	48B		-	
2CC #56	48C		3CC #59	
2CC #57	48A-66A	B48 SCC Only	3CC #65	
2CC #58	48A-71A	B48 SCC Only	3CC #104	
2CC #59	66A-66A		3CC #66	
2CC #60	66B		-	
2CC #61	66C		3CC #45	
2CC #62	66A-71A		3CC #83	

Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #1	2A-2A-4A		4CC #1	
3CC #2	2A-2A-5A		4CC #2	
3CC #3	2A-2A-7A		4CC #5	
3CC #4	2A-2A-12A		4CC #3	
3CC #5	2A-2A-13A		4CC #11	
3CC #6	2A-2A-14A		4CC #18	
3CC #7	2A-2A-29A	B29 SCC Only	4CC #20	
3CC #8	2A-2A-30A		4CC #22	
3CC #9	2A-2A-66A		4CC #23	
3CC #10	2C-66A		4CC #25	
3CC #11	2A-2A-71A		4CC #13	
3CC #12	2A-4A-4A		4CC #27	
3CC #13	2A-4A-5A		4CC #27	
3CC #14	2A-4A-7A		4CC #29	
3CC #15	2A-4A-12A		4CC #28	
3CC #16	2A-4A-29A	B29 SCC Only	-	
3CC #17	2A-4A-30A		-	
3CC #18	2A-4A-71A		4CC #4	
3CC #19	2A-5A-7A		4CC #32	
3CC #20	2A-5A-30A		4CC #6	
3CC #21	2A-5A-48A	B48 SCC Only	-	
3CC #22	2A-5A-66A		4CC #35	
3CC #23	2A-7A-7A		4CC #29	
3CC #24	2A-7C		4CC #38	
3CC #25	2A-7A-12A		4CC #10	
3CC #26	2A-7A-13A		4CC #11	
3CC #27	2A-7A-29A	B29 SCC Only	4CC #39	
3CC #28	2A-7A-66A		4CC #41	
3CC #29	2A-7A-71A		4CC #13	
3CC #30	2A-12B		4CC #44	
3CC #31	2A-12A-30A		4CC #15	
3CC #32	2A-12A-66A		4CC #45	
3CC #33	2A-13A-48A	B48 SCC Only	-	
3CC #34	2A-13A-66A		4CC #48	
3CC #35	2A-14A-30A		4CC #18	
3CC #36	2A-14A-66A		4CC #49	
3CC #37	2A-29A-30A	B29 SCC Only	4CC #20	
3CC #38	2A-29A-66A	B29 SCC Only	4CC #21	
3CC #39	2A-30A-66A		4CC #50	
3CC #40	2A-48C	B48 SCC Only	4CC #53	
3CC #41	2A-48A-48A	B48 SCC Only	-	
3CC #42	2A-48A-66A	B48 SCC Only	-	
3CC #43	2A-66A-66A		4CC #45	
3CC #44	2A-66C		4CC #46	
3CC #45	2A-66A-71A		4CC #26	
3CC #46	4A-4A-5A		4CC #27	
3CC #47	4A-4A-7A		-	
3CC #48	4A-4A-12A		4CC #28	
3CC #49	4A-4A-71A		-	
3CC #50	4A-5A-30A		-	
3CC #51	4A-7A-7A		4CC #29	
3CC #52	4A-7C		4CC #30	
3CC #53	4A-7A-12A		-	
3CC #54	4A-12B		4CC #56	
3CC #55	4A-12A-30A		-	
3CC #56	4A-29A-30A	B29 SCC Only	-	
3CC #57	4A-48C	B48 SCC Only	-	
3CC #58	5A-7A-7A		4CC #32	
3CC #59	5A-7C		4CC #59	
3CC #60	5A-7A-66A		4CC #60	
3CC #61	5A-30A-66A		4CC #61	
3CC #62	5A-48C	B48 SCC Only	4CC #64	
3CC #63	5A-48A-66A	B48 SCC Only	4CC #62	
3CC #64	5A-66A-66A		4CC #35	
3CC #65	5A-66C		4CC #36	
3CC #66	7A-7A-13A		4CC #37	
3CC #67	7A-7A-29A	B29 SCC Only	4CC #71	
3CC #68	7C-13A		4CC #38	
3CC #69	7A-7A-25A		4CC #69	
3CC #70	7C-25A		4CC #70	
3CC #71	7C-29A	B29 SCC Only	4CC #72	
3CC #72	7A-7A-66A		4CC #73	
3CC #73	7C-66A		4CC #74	
3CC #74	7A-12B		-	
3CC #75	7A-12A-66A		-	
3CC #76	7A-13A-66A		4CC #65	
3CC #77	7A-25A-25A		4CC #67	
3CC #78	7A-25A-66A		4CC #69	
3CC #79	7A-29A-66A	B29 SCC Only	4CC #71	
3CC #80	7A-66A-66A		4CC #43	

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Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #81	7A-66A-71A		-	
3CC #82	12B-66A		4CC #44	
3CC #83	12A-30A-66A		4CC #77	
3CC #84	12A-48C	B48 SCC Only	-	
3CC #85	12A-66A-66A		4CC #45	
3CC #86	12A-66C		4CC #46	
3CC #87	13A-48C	B48 SCC Only	4CC #47	
3CC #88	13A-48A-66A	B48 SCC Only	-	
3CC #89	13A-66A-66A		4CC #48	
3CC #90	13A-66C		-	
3CC #91	14A-30A-66A		4CC #82	
3CC #92	14A-66A-66A		4CC #49	
3CC #93	25A-25A-66A		4CC #75	
3CC #94	29A-30A-66A	B29 SCC Only	4CC #83	
3CC #95	29A-66A-66A	B29 SCC Only	-	
3CC #96	30A-66A-66A		4CC #50	
3CC #97	48A-48C		4CC #51	
3CC #98	48D		4CC #52	
3CC #99	48C-66A	B48 SCC Only	4CC #53	
3CC #100	48A-48A-66A	B48 SCC Only	4CC #88	
3CC #101	48A-66A-66A	B48 SCC Only	4CC #62	
3CC #102	48A-48A-71A	B48 SCC Only	-	
3CC #103	48C-71A	B48 SCC Only	-	
3CC #104	66A-66C		4CC #80	
3CC #105	66D		4CC #81	
3CC #106	66A-66A-71A		4CC #54	
3CC #107	66C-71A		4CC #57	

Index	4CC	Restriction	Completely Covered by Measurement Superset	Reverse
4CC #1	2A-2A-4A-4A	-	-	
4CC #2	2A-2A-4A-5A	-	-	
4CC #3	2A-2A-4A-12A	-	-	
4CC #4	2A-2A-4A-71A	-	-	
4CC #5	2A-2A-5A-7A	-	-	
4CC #6	2A-2A-5A-30A	-	-	-
4CC #7	2A-2A-5A-66A			
4CC #8	2A-2A-7A-7A			
4CC #9	2A-2A-7C			
4CC #10	2A-2A-7A-12A			
4CC #11	2A-2A-7A-13A			
4CC #12	2A-2A-7A-66A			
4CC #13	2A-2A-7A-71A			
4CC #14	2A-2A-12B			
4CC #15	2A-2A-12A-30A			
4CC #16	2A-2A-12A-66A			
4CC #17	2A-2A-13A-66A			
4CC #18	2A-2A-14A-30A			
4CC #19	2A-2A-14A-66A			
4CC #20	2A-2A-29A-30A	B29 SCC Only		
4CC #21	2A-2A-29A-66A	B29 SCC Only		
4CC #22	2A-2A-30A-66A			
4CC #23	2A-2A-66A-66A			
4CC #24	2A-2A-66C			
4CC #25	2C-66A-66A			
4CC #26	2A-2A-66A-71A			
4CC #27	2A-4A-4A-5A			
4CC #28	2A-4A-4A-12A			
4CC #29	2A-4A-7A-7A			
4CC #30	2A-4A-7C			
4CC #31	2A-4A-12B			
4CC #32	2A-5A-7A-7A			
4CC #33	2A-5A-7C			
4CC #34	2A-5A-48C	B48 SCC Only		
4CC #35	2A-5A-66A-66A			
4CC #36	2A-5A-66C			
4CC #37	2A-7A-7A-13A			
4CC #38	2A-7C-13A			
4CC #39	2A-7A-7A-29A	B29 SCC Only		
4CC #40	2A-7C-29A	B29 SCC Only		
4CC #41	2A-7A-7A-66A			
4CC #42	2A-7C-66A			
4CC #43	2A-7A-66A-66A			
4CC #44	2A-12B-66A			
4CC #45	2A-12A-66A-66A			
4CC #46	2A-12A-66C			
4CC #47	2A-13A-48C			
4CC #48	2A-13A-66A-66A			
4CC #49	2A-14A-66A-66A			
4CC #50	2A-30A-66A-66A			
4CC #51	2A-48A-48C	B48 SCC Only		
4CC #52	2A-48D	B48 SCC Only		
4CC #53	2A-48C-66A	B48 SCC Only		
4CC #54	2A-66A-66A-71A			
4CC #55	2A-66C-71A			
4CC #56	4A-4A-12B			
4CC #57	4A-48D	B48 SCC Only		
4CC #58	5A-7A-7A-66A			
4CC #59	5A-7C-66A			
4CC #60	5A-7A-66A-66A			
4CC #61	5A-30A-66A-66A			
4CC #62	5A-48A-66A-66A	B48 SCC Only		
4CC #63	5A-48D	B48 SCC Only		
4CC #64	5A-48C-66A	B48 SCC Only		
4CC #65	7A-7A-13A-66A			
4CC #66	7C-13A-66A			
4CC #67	7A-7A-25A-25A			
4CC #68	7C-25A-25A			
4CC #69	7A-7A-25A-66A			
4CC #70	7C-25A-66A			
4CC #71	7A-7A-29A-66A	B29 SCC Only		
4CC #72	7C-29A-66A	B29 SCC Only		
4CC #73	7A-7A-66A-66A			
4CC #74	7C-66A-66A			
4CC #75	7A-25A-25A-66A			

Index	4CC	Restriction	Completely Covered by Measurement Superset	Reverse
4CC #76	12B-66A-66A			
4CC #77	12A-30A-66A-66A			
4CC #78	13A-48D	B48 SCC Only		
4CC #79	13A-48C-66A	B48 SCC Only		
4CC #80	13A-66A-66C			
4CC #81	13A-66D			
4CC #82	14A-30A-66A-66A			
4CC #83	29A-30A-66A-66A	B29 SCC Only		
4CC #84	48A-48D			
4CC #85	48C-48C			
4CC #86	48E			
4CC #87	48A-48C-66A	B48 SCC Only		
4CC #88	48A-48A-66A-66A	B48 SCC Only		
4CC #89	48C-66A-66A	B48 SCC Only		
4CC #90	48D-66A	B48 SCC Only		

Note: Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April 2018).

In applying the power measurement procedures of KDB 941225 D05A for DL CA to qualify for UL SAR test exclusion, power measurement is required only for the CA configuration with the largest aggregated DL CA BW in each frequency band, independently for contiguous and non-contiguous CA; however, if the same frequency band is used for both contiguous and non-contiguous CA, power measurement was performed using the configuration with the largest aggregated BW and maximum output power among contiguous and non-contiguous CA.

C.1.1 Downlink Carrier Aggregation RF Conducted Powers

C.1.1.1 LTE Band 2 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-4A-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B29	10	9715	722.5					22.81	22.89
CA_2A-4A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.75	22.89
CA_2A-5A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B48	20	55990	3625.0					22.80	22.89
CA_2A-13A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B48	20	55990	3625.0					22.78	22.89
CA_2A-48A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56640	3690.0					22.84	22.89
CA_2A-48A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.83	22.89
CA_2A-2A-4A-4A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B4	20	20175	2132.5	B4	20	2300	2145.0	22.86	22.89
CA_2A-2A-4A-5A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	2175	2132.5	B5	10	2525	881.5	22.74	22.89
CA_2A-2A-4A-12A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	20175	2132.5	B12	10	5095	737.5	22.75	22.89
CA_2A-2A-4A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B4	20	2175	2132.5	B71	20	68761	634.5	22.76	22.89
CA_2A-2A-5A-7A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B7	20	3100	2655.0	22.82	22.89
CA_2A-2A-5A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B30	10	9820	2355.0	22.82	22.89
CA_2A-2A-5A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B66	20	66786	2145.0	22.74	22.89
CA_2A-2A-7A-7A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B7	20	3350	2680.0	22.81	22.89
CA_2A-2A-7C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B7	20	3298	2674.8	22.77	22.89
CA_2A-2A-7A-12A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B12	10	5095	737.5	22.85	22.89
CA_2A-2A-7A-13A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B13	10	5230	751.0	22.83	22.89
CA_2A-2A-7A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.74	22.89
CA_2A-2A-7A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B71	20	68761	634.5	22.83	22.89
CA_2A-12B	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B12	5	5095	737.5	B12	10	5167	744.7	22.75	22.89
CA_2A-2A-12A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B12	10	5095	737.5	B30	10	9820	2355.0	22.80	22.89
CA_2A-2A-12A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B12	10	5095	737.5	B66	20	66786	2145.0	22.81	22.89
CA_2A-2A-13A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B13	10	5230	751.0	B66	20	66786	2145.0	22.74	22.89
CA_2A-2A-14A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B14	10	5330	763.0	B30	10	9820	2355.0	22.86	22.89
CA_2A-2A-14A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B14	10	5330	763.0	B66	20	66786	2145.0	22.85	22.89
CA_2A-2A-29A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B29	10	9715	722.5	B30	10	9820	2355.0	22.84	22.89
CA_2A-2A-29A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B29	10	9715	722.5	B66	20	66786	2145.0	22.81	22.89
CA_2A-2A-30A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B30	10	9820	2355	B66	20	66786	2145.0	22.77	22.89
CA_2A-2A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B66	20	66786	2145.0	B66	20	67036	2170.0	22.74	22.89
CA_2A-2A-66C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B66	20	66786	2145.0	B66	20	66984	2164.8	22.76	22.89
CA_2C-66A-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	898	1959.8	B66	20	66786	2145.0	B66	20	66984	2164.8	22.85	22.89
CA_2A-2A-66A-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B66	20	66786	2145.0	B71	20	68761	634.5	22.74	22.89
CA_2A-4A-4A-5A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B4	20	2300	2145.0	B5	10	2525	881.5	22.74	22.89
CA_2A-4A-4A-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B4	20	2300	2145.0	B12	10	5095	737.5	22.86	22.89
CA_2A-4A-7A-7A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0	22.86	22.89
CA_2A-4A-7C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B7	20	3100	2655.0	B7	20	3298	2674.8	22.75	22.89
CA_2A-4A-12B	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2300	2145.0	B12	5	5095	737.5	B12	10	5167	744.7	22.82	22.89
CA_2A-5A-7A-7A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B7	20	3100	2655.0	B7	20	3350	2680.0	22.82	22.89
CA_2A-5A-7C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B7	20	3100	2655.0	B7	20	3298	2674.8	22.75	22.89
CA_2A-5A-48C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B48	20	55990	3625.0	B48	15	56161	3642.1	22.84	22.89

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-5A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B66	20	66786	2145.0	B66	20	67036	2170.0	22.85	22.89
CA_2A-5A-66C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B66	20	66786	2145.0	B66	20	67036	2170.0	22.77	22.89
CA_2A-7A-7A-13A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B13	10	5230	751.0	22.85	22.89
CA_2A-7C-13A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B13	10	5230	751.0	22.82	22.89
CA_2A-7A-7A-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B29	10	9715	722.5	22.76	22.89
CA_2A-7C-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B29	10	9715	722.5	22.82	22.89
CA_2A-7A-7A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	22.82	22.89
CA_2A-7C-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	22.86	22.89
CA_2A-7A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B66	20	66786	2145.0	B66	20	67036	2170.0	22.86	22.89
CA_2A-12B-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	5	5095	737.5	B12	10	5167	744.7	B66	20	66786	2145.0	22.85	22.89
CA_2A-12A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0	22.83	22.89
CA_2A-12A-66C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B66	20	66786	2145.0	B66	20	66984	2164.8	22.76	22.89
CA_2A-12A-48C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B48	20	55990	3625.0	B48	15	56161	3642.1	22.76	22.89
CA_2A-13A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0	22.76	22.89
CA_2A-14A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B14	10	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0	22.81	22.89
CA_2A-30A-66A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	22.81	22.89
CA_2A-48A-48C	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	55340	3560.0	B48	20	55538	3579.8	22.84	22.89
CA_2A-48D	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	22.85	22.89
CA_2A-48C-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B66	20	66786	2145.0	22.74	22.89
CA_2A-66A-66A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B71	20	68761	634.5	22.76	22.89
CA_2A-66C-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	66984	2164.8	B71	20	68761	634.5	22.86	22.89

C.1.1.2 LTE Band 4 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_4A-48A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0									24.10	24.16
CA_2A-4A-29A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B29	10	9715	722.5					24.13	24.16
CA_2A-4A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.10	24.16
CA_4A-4A-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B7	20	3100	2655.0					24.05	24.16
CA_4A-4A-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B71	20	68761	634.5					24.06	24.16
CA_4A-5A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B5	10	2525	881.5	B30	10	9820	2355.0					24.13	24.16
CA_4A-7A-12A	B4	10	20000	1715	QPSK	1	0	2000	2115.0	B7	20	3100	2655.0	B12	10	5095	737.5					24.06	24.15
CA_4A-12A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B30	10	9820	2355.0					24.08	24.16
CA_4A-29A30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B29	10	9715	722.5	B30	10	9820	2355.0					24.06	24.16
CA_4A-48C	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0	B48	20	56161	3642.1					24.11	24.16
CA_2A-2A-4A-4A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	B2	20	1100	1980.0	24.12	24.16
CA_2A-2A-4A-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B5	10	2525	881.5	24.09	24.16
CA_2A-2A-4A-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B12	10	5095	737.5	24.03	24.16
CA_2A-2A-4A-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B71	20	68761	634.5	24.03	24.16
CA_2A-4A-4A-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	B5	10	2525	881.5	24.03	24.16
CA_2A-4A-4A-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	B12	10	5095	737.5	24.07	24.16
CA_2A-4A-7A-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.09	24.16
CA_2A-4A-7C	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.05	24.16
CA_2A-4A-12B	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	5	5095	737.5	B12	10	5167	744.7	B2	20	900	1960.0	24.11	24.16
CA_4A-4A-12B	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B12	5	5035	731.5	B12	10	5107	738.7	24.03	24.16
CA_4A-48D	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	24.13	24.16

C.1.1.3 LTE Band 5 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_5A-25A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B25	20	8365	1962.5									23.88	23.98
CA_5A-41A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B41	20	40620	2593.0									23.83	23.98
CA_5B	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B5	5	2597	888.7									23.93	23.98
CA_2A-5A-48A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B2	20	900	1960.0	B48	20	55990	3625.0					23.83	23.98
CA_4A-5A-30A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B4	20	2175	2132.5	B30	10	9820	2355.0					23.91	23.98
CA_2A-2A-4A-5A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B2	20	900	1960.0	B2	20	1100	1980.0	B4	20	20175	2132.5	23.94	23.98
CA_2A-2A-5A-7A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	23.90	23.98
CA_2A-2A-5A-30A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	23.85	23.98
CA_2A-2A-5A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	23.95	23.98
CA_2A-4A-4A-5A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B4	20	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	23.87	23.98
CA_2A-5A-7A-7A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	23.89	23.98
CA_2A-5A-7C	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	23.94	23.98
CA_2A-5A-48C	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B48	20	55990	3625.0	B48	15	56161	3642.1	B2	20	900	1960.0	23.90	23.98
CA_2A-5A-66A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	23.86	23.98
CA_2A-5A-66C	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	23.90	23.98
CA_5A-7A-7A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	23.85	23.98
CA_5A-7C-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	23.86	23.98
CA_5A-7A-66A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B7	20	3100	2655.0	B66	20	66786	2145.0	B66	20	67036	2170.0	23.86	23.98
CA_5A-30A-66A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	23.86	23.98
CA_5A-48A-66A-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B48	20	55990	3625.0	B66	20	66786	2145.0	B66	20	67036	2170.0	23.87	23.98
CA_5A-48D	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	23.91	23.98
CA_5A-48C-66A	B5	10	20525	836.5	QPSK	1	25	2525	881.5	B48	20	55990	3625.0	B48	20	56188	3644.8	B66	20	66786	2145.0	23.89	23.98

C.1.1.4 LTE Band 7 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_7A-25A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B25	20	8365	1962.5									24.08	24.21
CA_4A-4A-7A	B7	20	2535	21100	QPSK	1	49	3100	2655.0	B4	20	2175	2132.5	B4	20	2300	2145.0					24.09	24.21
CA_4A-7A-12A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B4	10	2175	2132.5	B12	10	5095	737.5					24.14	24.21
CA_7A-12B	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B12	10	5095	737.5	B12	5	5167	744.7					24.12	24.21
CA_7A-12A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B12	10	5095	737.5	B66	20	66786	2145.0					24.10	24.21
CA_7A-66A-71A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B66	20	66786	2145.0	B71	20	68761	634.5					24.06	24.21
CA_2A-2A-5A-7A	B7	20	2535	21100	QPSK	1	49	3100	2655.0	B2	20	900	1960.0	B2	20	1100	1980.0	B5	10	2525	881.5	24.13	24.21
CA_2A-2A-7A-7A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B2	20	1100	1980.0	24.10	24.21
CA_2A-2A-7C	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B2	20	1100	1980.0	24.16	24.21
CA_2A-2A-7A-12A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B2	20	900	1960.0	B2	20	1100	1980.0	B12	10	5095	737.5	24.08	24.21
CA_2A-2A-7A-13A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B2	20	900	1960.0	B2	20	1100	1980.0	B13	10	5230	751.0	24.10	24.21
CA_2A-2A-7A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.12	24.21
CA_2A-2A-7A-71A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B2	20	900	1960.0	B2	20	1100	1980.0	B71	20	68761	634.5	24.11	24.21
CA_2A-4A-7A-7A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B4	20	2175	2132.5	24.11	24.21
CA_2A-4A-7C	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B4	20	2175	2132.5	24.17	24.21
CA_2A-5A-7A-7A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B5	10	2525	881.5	24.12	24.21
CA_2A-5A-7C	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B5	10	2525	881.5	24.10	24.21
CA_2A-7A-7A-13A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B13	10	5230	751.0	24.06	24.21
CA_2A-7C-13A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B13	10	5230	751.0	24.12	24.21
CA_2A-7A-7A-29A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B29	10	9715	722.5	24.15	24.21
CA_2A-7C-29A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B29	10	9715	722.5	24.08	24.21
CA_2A-7A-7A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	B66	20	66786	2145.0	24.17	24.21
CA_2A-7C-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	B66	20	66786	2145.0	24.13	24.21
CA_2A-7A-66A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.18	24.21
CA_5A-7A-7A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B5	10	2525	881.5	B66	20	66786	2145.0	24.13	24.21
CA_5A-7C-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B5	10	2525	881.5	B66	20	66786	2145.0	24.12	24.21
CA_5A-7A-66A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B5	10	2525	881.5	24.08	24.21
CA_7A-7A-13A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B13	10	5230	751.0	B66	20	66786	2145.0	24.16	24.21
CA_7C-13A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B13	10	5230	751.0	B66	20	66786	2145.0	24.16	24.21
CA_7A-7A-25A-25A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B25	10	8365	1962.5	B25	10	8640	1990.0	24.07	24.21
CA_7C-25A-25A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B25	10	8365	1962.5	B25	10	8640	1990.0	24.16	24.21
CA_7A-7A-25A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B25	20	8365	1962.5	B66	20	66786	2145.0	24.12	24.21
CA_7C-25A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B25	20	8365	1962.5	B66	20	66786	2145.0	24.10	24.21
CA_7A-7A-29A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B29	10	9715	722.5	B66	20	66786	2145.0	24.10	24.21
CA_7C-29A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B29	10	9715	722.5	B66	20	66786	2145.0	24.08	24.21
CA_7A-7A-66A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	B66	20	67036	2170.0	24.13	24.21
CA_7C-66A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	B66	20	67036	2170.0	24.06	24.21
CA_7A-25A-25A-66A	B7	20	21100	2535	QPSK	1	49	3100	2655.0	B25	10	8365	1962.5	B25	10	8640	1990.0	B66	20	66786	2145.0	24.08	24.21

C.1.1.5 LTE Band 12 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_12A-25A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B25	20	8365	1962.5									23.47	23.56
CA_12A-48A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B48	20	55990	3625.0									23.50	23.56
CA_4A-7A-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	10	2175	2132.5	B7	20	3100	2655.0					23.51	23.56
CA_4A-12A-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B30	10	9820	2355.0					23.42	23.56
CA_7A-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B7	20	3100	2655.0					23.34	23.47
CA_7A-12A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B7	20	3100	2655.0	B66	20	66786	2145.0					23.43	23.56
CA_12A-48C	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B48	20	55990	3625.0	B48	15	56161	3642.1					23.46	23.56
CA_2A-2A-4A-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B4	20	2175	2132.5	23.50	23.56
CA_2A-2A-7A-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	23.47	23.56
CA_2A-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B2	20	1100	1980.0	23.40	23.47
CA_2A-2A-12A-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	23.53	23.56
CA_2A-2A-12A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	23.43	23.56
CA_2A-4A-4A-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	23.53	23.56
CA_2A-4A-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B4	20	2300	2145.0	23.48	23.56
CA_2A-12B-66A	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B66	20	66786	2145.0	23.53	23.56
CA_2A-12A-66A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	23.46	23.56
CA_2A-12A-66C	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	66984	2164.8	B2	20	900	1960.0	23.41	23.56
CA_2A-12A-48C	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B48	20	55990	3625.0	B48	15	56161	3642.1	B2	20	900	1960.0	23.51	23.56
CA_4A-4A-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B4	20	2300	2145.0	B4	20	2300	2145.0	23.47	23.56
CA_12B-66A-66A	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B66	20	66786	2145.0	B66	20	67036	2170.0	23.45	23.56
CA_12A-30A-66A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	23.50	23.56

C.1.1.6 LTE Band 13 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-13A-48A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B48	20	55990	3625.0					24.58	24.64
CA_13A-48A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B66	20	66786	2145.0					24.57	24.64
CA_13A-66C	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	66984	2164.8					24.49	24.64
CA_2A-2A-7A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	24.60	24.64
CA_2A-2A-13A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.58	24.64
CA_2A-7A-7A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.49	24.64
CA_2A-7C-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.59	24.64
CA_2A-13A-66A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.53	24.64
CA_7A-7A-13A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	67036	2170.0	24.49	24.64
CA_7C-13A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	24.50	24.64
CA_13A-48D	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	24.52	24.64
CA_13A-48C-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B48	20	56161	3642.1	B66	20	67036	2170.0	24.56	24.64
CA_13A-66A-66C	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	66536	2120.0	B66	20	66734	2139.8	24.50	24.64
CA_13A-66D	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	66984	2164.8	B66	20	67182	2184.6	24.60	24.64

C.1.1.7 LTE Band 14 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-2A-14A-30A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	24.59	24.62
CA_2A-2A-14A-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.55	24.62
CA_2A-14A-66A-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.57	24.62
CA_14A-30A-66A-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	24.50	24.62

C.1.1.8 LTE Band 25 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_5A-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B5	10	2525	881.5									22.81	22.91
CA_7A-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0									22.82	22.91
CA_12A-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B12	10	5095	737.5									22.81	22.91
CA_7A-7A-25A-25A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0	B7	20	3350	2680.0	22.84	22.91
CA_7C-25A-25A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0	B7	20	3298	2674.8	22.83	22.91
CA_7A-7A-25A-66A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	22.85	22.91
CA_7C-25A-66A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	22.85	22.91
CA_7A-25A-25A-66A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.74	22.81

C.1.1.9 LTE Band 30 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-4A-30A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B4	20	2175	2132.5					21.17	21.23
CA_4A-5A-30A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B4	20	2175	2132.5	B5	10	2525	881.5					21.14	21.23
CA_4A-12A-30A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B4	20	2175	2132.5	B12	10	5095	737.5					21.13	21.23
CA_4A-29A30A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B4	20	2175	2132.5	B29	10	9715	722.5					21.19	21.23
CA_2A-2A-5A-30A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B2	20	1100	1980.0	B5	10	2525	881.5	21.18	21.23
CA_2A-2A-12A-30A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B2	20	1100	1980.0	B12	10	5095	737.5	21.08	21.23
CA_2A-2A-14A-30A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B2	20	1100	1980.0	B14	10	5330	763.0	21.10	21.23
CA_2A-2A-29A-30A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B2	20	1100	1980.0	B29	10	9715	722.5	21.16	21.23
CA_2A-2A-30A-66A	B30	10	27710	2310	QPSK	1	0	9820	2355.0	B2	20	900	1960.0	B2	20	1100	1980	B66	20	66786	2145.0	21.17	21.23
CA_2A-30A-66A-66A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	21.10	21.23
CA_5A-30A-66A-66A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B5	10	2525	881.5	21.10	21.23
CA_12A-30A-66A-66A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B12	10	5095	737.5	21.18	21.23
CA_14A-30A-66A-66A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B14	10	5330	763.0	21.14	21.23
CA_29A-30A-66A-66A	B30	10	27710	2310.0	QPSK	1	0	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B29	10	9715	722.5	21.12	21.23

C.1.1.10 LTE Band 41 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_41A-41A	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	41490	2680.0									23.97	24.05
CA_41C	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	40818	2612.8									23.94	24.05

C.1.1.11 LTE Band 48 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_48B	B48	10	56690	3695	QPSK	1	49	56690	3695.0	B48	10	56591	3685.1									22.19	22.26
CA_48A-48D	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	22.13	22.28
CA_48A-48D	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	56442	3670.2	B48	20	56244	3650.4	B48	20	55990	3625.0	22.17	22.28
CA_48C-48C	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	56442	3670.2	B48	20	56244	3650.4	B48	20	56046	3630.6	22.25	22.28
CA_48E	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	56442	3670.2	B48	20	56244	3650.4	B48	20	56046	3630.6	22.25	22.28

C.1.1.12 LTE Band 66 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch. Freq.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch. Freq.	(DL) Freq.	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Freq.	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Freq.	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_66B	B66	15	132047	1717.5	QPSK	1	0	66511	2117.5	B66	5	66604	2126.8									24.07	24.12
CA_2A-48A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B48	20	55990	3625.0					24.08	24.22
CA_7A-12A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B12	10	5095	737.5					24.12	24.22
CA_7A-66A-71A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B71	20	68761	634.5					24.18	24.22
CA_13A-48A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B13	10	5230	751.0	B48	20	55990	3625.0					24.10	24.22
CA_13A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66734	2139.8	B13	10	5230	751.0					24.15	24.22
29A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B29	10	9715	722.5					24.14	24.22
CA_2A-2A-5A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B5	10	2525	881.5	24.17	24.22
CA_2A-2A-7A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	24.10	24.22
CA_2A-2A-12A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B12	10	5095	737.5	24.14	24.22
CA_2A-2A-13A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B13	10	5230	751.0	24.10	24.22
CA_2A-2A-14A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B14	10	5330	763.0	24.10	24.22
CA_2A-2A-29A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B29	10	9715	722.5	24.09	24.22
CA_2A-2A-30A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	24.17	24.22
CA_2A-2A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B2	20	1100	1980.0	24.17	24.22
CA_2A-2A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66734	2139.8	B2	20	900	1960.0	B2	20	1100	1980.0	24.07	24.22
CA_2C-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66984	2139.8	B2	20	900	1960.0	B2	20	1098	1979.8	24.16	24.22
CA_2A-2A-66A-71A	B66	20	132072	1720.0	QPSK	1	0	66536	2120.0	B2	20	900	1960.0	B2	20	1100	1980.0	B71	20	68761	634.5	24.16	24.22
CA_2A-5A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B5	10	2525	881.5	24.16	24.22
CA_2A-5A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B5	10	2525	881.5	24.08	24.22
CA_2A-7A-7A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.09	24.22
CA_2A-7C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.07	24.22
CA_2A-7A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66786	2145.0	B2	20	67036	2170.0	B7	20	3100	2655.0	24.08	24.22
CA_2A-12B-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B12	5	5095	737.5	B12	10	5167	744.7	B2	20	900	1960.0	24.14	24.22
CA_2A-12A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B12	10	5095	737.5	24.16	24.22
CA_2A-12A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66734	2139.8	B2	20	900	1960.0	B12	10	5095	737.5	24.17	24.22
CA_2A-13A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B13	10	5230	751.0	24.17	24.22
CA_2A-14A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B14	10	5330	763.0	24.11	24.22
CA_2A-30A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B30	10	9820	2355.0	24.12	24.22
CA_2A-48C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B2	20	900	1960.0	24.11	24.22
CA_2A-66A-66A-71A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B2	20	900	1960.0	B71	20	68761	634.5	24.13	24.22
CA_2A-66C-71A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66984	2139.8	B2	20	900	1960.0	B71	20	68761	634.5	24.15	24.22
CA_5A-7A-7A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B5	10	2525	881.5	24.19	24.22
CA_5A-7C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B5	10	2525	881.5	24.14	24.22
CA_5A-7A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B5	10	2525	881.5	B7	20	3100	2655.0	24.17	24.22
CA_5A-30A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B5	10	2525	881.5	B30	10	9820	2355.0	24.10	24.22
CA_5A-48A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B5	10	2525	881.5	B48	20	55990	3625.0	24.12	24.22
CA_5A-48C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B5	10	2525	881.5	24.16	24.22
CA_7A-7A-13A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B13	10	5230	751.0	24.14	24.22
CA_7C-13A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B13	10	5230	751.0	24.11	24.22
CA_7A-7A-25A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B25	20	8365	1962.5	24.16	24.22
CA_7C-25A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B25	20	8365	1962.5	24.13	24.22

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_7A-7A-29A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B29	10	9715	722.5	24.18	24.22
CA_7C-29A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B29	10	9715	722.5	24.09	24.22
CA_7A-7A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B7	20	3100	2655.0	B7	20	3350	2680.0	24.17	24.22
CA_7C-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B7	20	3100	2655.0	B7	20	3298	2674.8	24.10	24.22
CA_7A-25A-25A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B25	10	8365	1962.5	B25	10	8640	1990.0	B7	20	3100	2655.0	24.14	24.22
CA_12B-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B12	5	5035	731.5	B12	10	5107	738.7	24.17	24.22
CA_12A-30A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B12	10	5095	737.5	B30	10	9820	2355.0	24.13	24.22
CA_13A-48C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B48	20	55990	3625.0	B48	20	56161	3642.1	B13	10	5230	751.0	24.08	24.22
CA_13A-66A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66536	2120.0	B66	20	66734	2139.8	B13	10	5230	751.0	24.09	24.22
CA_13A-66A-66C	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66734	2139.8	B13	10	5230	751.0	B66	20	66786	2145.0	24.17	24.22
CA_13A-66D	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66734	2139.8	B66	20	66932	2159.6	B13	10	5230	751.0	24.11	24.22
CA_14A-30A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66786	2145.0	B14	10	5330	763.0	B30	10	9820	2355.0	24.17	24.22
CA_29A-30A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	66786	2145.0	B29	10	9715	722.5	B30	10	9820	2355.0	24.17	24.22
CA_48A-48C-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B48	20	55340	3560.0	B48	20	55538	3579.8	B48	20	55990	3625.0	24.10	24.22
CA_48A-48A-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B48	20	55990	3625.0	B48	20	56640	3690.0	24.08	24.22
CA_48C-66A-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B66	20	67036	2170.0	B48	20	55990	3625.0	B48	20	56161	3642.1	24.09	24.22
CA_48D-66A	B66	20	132072	1720	QPSK	1	0	66536	2120.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	24.11	24.22

C.1.1.13 LTE Band 71 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_4A-4A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B4	20	2175	2132.5	B4	20	2300	2145.0					24.24	24.33
CA_7A-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B7	20	3100	2655.0	B66	20	66786	2145.0					24.27	24.33
CA_48A-48A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	56640	3690.0	B48	20	55340	3560.0					24.30	24.33
CA_48C-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	55900	3625.0	B48	15	56161	3642.1					24.30	24.33
CA_2A-2A-4A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B4	20	2175	2132.5	24.29	24.33
CA_2A-2A-7A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	24.20	24.33
CA_2A-2A-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.26	24.33
CA_2A-66A-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.29	24.33
CA_2A-66C-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	66984	2164.8	B2	20	900	1960.0	24.21	24.33

C.4 LTE Downlink Carrier Aggregation with 4X4 MIMO

This device supports downlink 4x4 MIMO operations for some LTE bands.

Uplink transmission is limited to a single output stream. When carrier aggregation was applicable, the general test selection and setup procedures described in Appendix C.1 were applied.

According to LTE Test conditions in TCB workshop(May, 2017), SAR is excluded for LTE downlink 4x4 MIMO operation when uplink output with DL MIMO does not exceed highest uplink output power configuration without DL MIMO by more than a 1/4 dB. And for DL MIMO with carrier aggregation, the same SAR test exclusion procedure is considered.

Index	2CC	Restriction	Completely Covered by Measurement Superset	Reverse
2CC #1	2A-[2A]		3CC #1	
2CC #2	[2A]-2A		3CC #3	
2CC #3	[2A]-[2A]		3CC #4	
2CC #4	[2C]		3CC #33	
2CC #5	2A-[4A]		3CC #38	
2CC #6	[2A]-4A		3CC #39	
2CC #7	[2A]-[4A]		3CC #43	
2CC #8	[2A]-5A		3CC #69	
2CC #9	2A-[7A]		3CC #81	
2CC #10	[2A]-7A		3CC #11	
2CC #11	[2A]-[7A]		3CC #88	
2CC #12	[2A]-12A		3CC #12	
2CC #13	[2A]-13A		3CC #15	
2CC #14	[2A]-14A		3CC #18	
2CC #15	[2A]-29A	B29 SCC Only	3CC #21	
2CC #16	2A-[30A]		3CC #24	
2CC #17	[2A]-30A		3CC #25	
2CC #18	[2A]-[30A]		3CC #134	
2CC #19	2A-[48A]	B48 SCC Only	3CC #137	
2CC #20	[2A]-48A	B48 SCC Only	3CC #139	
2CC #21	[2A]-[48A]	B48 SCC Only	3CC #140	
2CC #22	2A-[66A]		3CC #28	
2CC #23	[2A]-66A		3CC #29	
2CC #24	[2A]-[66A]		3CC #155	
2CC #25	[2A]-71A		3CC #34	
2CC #26	4A-[4A]		3CC #37	
2CC #27	[4A]-4A		3CC #38	
2CC #28	[4A]-[4A]		3CC #40	
2CC #29	[4A]-5A		3CC #41	
2CC #30	4A-[7A]		3CC #44	
2CC #31	[4A]-7A		3CC #45	
2CC #32	[4A]-[7A]		3CC #47	
2CC #33	[4A]-12A		3CC #50	
2CC #34	[4A]-13A		3CC #53	
2CC #35	[4A]-29A	B29 SCC Only	3CC #56	
2CC #36	4A-[30A]		3CC #59	
2CC #37	[4A]-30A		3CC #60	
2CC #38	[4A]-[30A]		3CC #62	
2CC #39	4A-[48A]	B48 SCC Only	-	
2CC #40	[4A]-48A	B48 SCC Only	-	
2CC #41	[4A]-[48A]	B48 SCC Only	-	
2CC #42	[4A]-71A		3CC #65	
2CC #43	5A-[7A]		3CC #68	

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Index	2CC	Restriction	Completely Covered by Measurement Superset	Reverse
2CC #44	5A-[25A]		-	
2CC #45	5A-[30A]		3CC #71	
2CC #46	5A-[41A]		-	
2CC #47	5A-[48A]	B48 SCC Only	3CC #74	
2CC #48	5A-[66A]		3CC #77	
2CC #49	7A-[7A]		3CC #80	
2CC #50	[7A]-7A		3CC #81	
2CC #51	[7A]-[7A]		3CC #83	
2CC #52	[7C]		3CC #84	
2CC #53	[7A]-12A		3CC #86	
2CC #54	[7A]-13A		3CC #89	
2CC #55	7A-[25A]		3CC #215	
2CC #56	[7A]-25A		3CC #216	
2CC #57	[7A]-[25A]		3CC #247	
2CC #58	[7A]-29A	B29 SCC Only	3CC #92	
2CC #59	7A-[66A]		3CC #95	
2CC #60	[7A]-66A		3CC #96	
2CC #61	[7A]-[66A]		3CC #98	
2CC #62	[7A]-71A		3CC #101	
2CC #63	12A-[25A]		-	
2CC #64	12A-[30A]		3CC #105	
2CC #65	12A-[48A]	B48 SCC Only	-	
2CC #66	12A-[66A]		3CC #108	
2CC #67	13A-[48A]	B48 SCC Only	3CC #111	
2CC #68	13A-[66A]		3CC #114	
2CC #69	14A-[30A]		3CC #117	
2CC #70	14A-[66A]		3CC #120	
2CC #71	25A-[25A]		3CC #238	
2CC #72	[25A]-25A		3CC #239	
2CC #73	[25A]-[25A]		3CC #241	
2CC #74	25A-[66A]		3CC #242	
2CC #75	[25A]-66A		3CC #243	
2CC #76	[25A]-[66A]		3CC #245	
2CC #77	29A-[30A]		3CC #123	
2CC #78	29A-[66A]		3CC #126	
2CC #79	30A-[66A]		3CC #129	
2CC #80	[30A]-66A		3CC #130	
2CC #81	[30A]-[66A]		3CC #132	
2CC #82	41A-[41A]		-	
2CC #83	[41A]-41A		-	
2CC #84	[41A]-[41A]		-	
2CC #85	[41C]		-	
2CC #86	48A-[48A]		3CC #299	
2CC #87	[48A]-48A		3CC #137	
2CC #88	[48A]-[48A]		3CC #138	
2CC #89	[48B]		-	
2CC #90	[48C]		3CC #135	
2CC #91	48A-[66A]	B48 SCC Only	3CC #141	
2CC #92	[48A]-66A	B48 SCC Only	3CC #142	
2CC #93	[48A]-[66A]	B48 SCC Only	3CC #144	
2CC #94	[48A]-71A	B48 SCC Only	3CC #307	
2CC #95	66A-[66A]		3CC #147	
2CC #96	[66A]-66A		3CC #148	
2CC #97	[66A]-[66A]		3CC #150	
2CC #98	[66B]		-	
2CC #99	[66C]		3CC #151	
2CC #100	[66A]-71A		3CC #153	

Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #1	2A-2A-[4A]		4CC #1	
3CC #2	2A-[2A]-4A		-	
3CC #3	[2A]-2A-4A		-	
3CC #4	[2A]-[2A]-4A		-	
3CC #5	2A-[2A]-5A		-	
3CC #6	[2A]-2A-5A		-	
3CC #7	[2A]-[2A]-5A		-	
3CC #8	2A-2A-[7A]		4CC #4	
3CC #9	2A-[2A]-7A		-	
3CC #10	[2A]-2A-7A		-	
3CC #11	[2A]-[2A]-7A		-	
3CC #12	2A-[2A]-12A		-	
3CC #13	[2A]-2A-12A		-	
3CC #14	[2A]-[2A]-12A		-	
3CC #15	2A-[2A]-13A		-	
3CC #16	[2A]-2A-13A		-	
3CC #17	[2A]-[2A]-13A		-	
3CC #18	2A-[2A]-14A		-	
3CC #19	[2A]-2A-14A		-	
3CC #20	[2A]-[2A]-14A		-	
3CC #21	2A-[2A]-29A	B29 SCC Only	-	
3CC #22	[2A]-2A-29A	B29 SCC Only	-	
3CC #23	[2A]-[2A]-29A	B29 SCC Only	-	
3CC #24	2A-2A-[30A]		4CC #5	
3CC #25	2A-[2A]-30A		-	
3CC #26	[2A]-2A-30A		-	
3CC #27	[2A]-[2A]-30A		-	
3CC #28	2A-2A-[66A]		4CC #6	
3CC #29	2A-[2A]-66A		-	
3CC #30	[2A]-2A-66A		-	
3CC #31	[2A]-[2A]-66A		-	
3CC #32	2C-[66A]		-	
3CC #33	[2C]-66A		-	
3CC #34	2A-[2A]-71A		-	
3CC #35	[2A]-2A-71A		-	
3CC #36	[2A]-[2A]-71A		-	
3CC #37	2A-4A-[4A]		-	
3CC #38	2A-[4A]-4A		-	
3CC #39	[2A]-4A-4A		4CC #22	
3CC #40	2A-[4A]-[4A]		-	
3CC #41	2A-[4A]-5A		4CC #1	
3CC #42	[2A]-4A-5A		-	
3CC #43	[2A]-[4A]-5A		-	
3CC #44	2A-4A-[7A]		-	
3CC #45	2A-[4A]-7A		4CC #4	
3CC #46	[2A]-4A-7A		4CC #25	
3CC #47	2A-[4A]-[7A]		-	
3CC #48	[2A]-4A-[7A]		-	
3CC #49	[2A]-[4A]-7A		-	
3CC #50	2A-[4A]-12A		4CC #2	
3CC #51	[2A]-4A-12A		-	
3CC #52	[2A]-[4A]-12A		-	
3CC #54	[2A]-4A-13A		-	
3CC #55	[2A]-[4A]-13A		-	
3CC #56	2A-[4A]-29A	B29 SCC Only	-	
3CC #57	[2A]-4A-29A	B29 SCC Only	-	
3CC #58	[2A]-[4A]-29A	B29 SCC Only	-	
3CC #59	2A-4A-[30A]		-	

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Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #60	2A-[4A]-30A		-	
3CC #61	[2A]-4A-30A		-	
3CC #62	2A-[4A]-[30A]		-	
3CC #63	[2A]-4A-[30A]		-	
3CC #64	[2A]-[4A]-30A		-	
3CC #65	2A-[4A]-71A		-	
3CC #66	[2A]-4A-71A		-	
3CC #67	[2A]-[4A]-71A		-	
3CC #68	2A-5A-[7A]		4CC #4	
3CC #69	[2A]-5A-7A		4CC #30	
3CC #70	[2A]-5A-[7A]		-	
3CC #71	2A-5A-[30A]		4CC #5	
3CC #72	[2A]-5A-30A		-	
3CC #73	[2A]-5A-[30A]		-	
3CC #74	2A-5A-[48A]	B48 SCC Only	-	
3CC #75	[2A]-5A-48A	B48 SCC Only	-	
3CC #76	[2A]-5A-[48A]	B48 SCC Only	-	
3CC #77	2A-5A-[66A]		4CC #6	
3CC #78	[2A]-5A-66A		4CC #33	
3CC #79	[2A]-5A-[66A]		-	
3CC #80	2A-7A-[7A]		-	
3CC #81	2A-[7A]-7A		-	
3CC #82	[2A]-7A-7A		4CC #35	
3CC #83	2A-[7A]-[7A]		-	
3CC #84	2A-[7C]		-	
3CC #85	[2A]-7C		4CC #37	
3CC #86	2A-[7A]-12A		4CC #7	
3CC #87	[2A]-7A-12A		-	
3CC #88	[2A]-[7A]-12A		-	
3CC #89	2A-[7A]-13A		4CC #8	
3CC #90	[2A]-7A-13A		-	
3CC #91	[2A]-[7A]-13A		-	
3CC #92	2A-[7A]-29A	B29 SCC Only	-	
3CC #93	[2A]-7A-29A	B29 SCC Only	-	
3CC #94	[2A]-[7A]-29A	B29 SCC Only	-	
3CC #95	2A-7A-[66A]		4CC #9	
3CC #96	2A-[7A]-66A		4CC #10	
3CC #97	[2A]-7A-66A		4CC #44	
3CC #98	2A-[7A]-[66A]		-	
3CC #99	[2A]-7A-[66A]		-	
3CC #100	[2A]-[7A]-66A		-	
3CC #101	2A-[7A]-71A		4CC #11	
3CC #102	[2A]-7A-71A		-	
3CC #103	[2A]-[7A]-71A		-	
3CC #104	[2A]-12B		4CC #46	
3CC #105	2A-12A-[30A]		4CC #12	
3CC #106	[2A]-12A-30A		-	
3CC #107	[2A]-12A-[30A]		-	
3CC #108	2A-12A-[66A]		4CC #13	
3CC #109	[2A]-12A-66A		4CC #47	
3CC #110	[2A]-12A-[66A]		-	
3CC #111	2A-13A-[48A]	B48 SCC Only	-	
3CC #112	[2A]-13A-48A	B48 SCC Only	-	
3CC #113	[2A]-13A-[48A]	B48 SCC Only	-	
3CC #114	2A-13A-[66A]		4CC #14	
3CC #115	[2A]-13A-66A		4CC #50	
3CC #116	[2A]-13A-[66A]		-	
3CC #117	2A-14A-[30A]		4CC #15	

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3CC #120	2A-14A-[66A]		4CC #16	
3CC #121	[2A]-14A-66A		4CC #51	
3CC #122	[2A]-14A-[66A]		-	
3CC #123	2A-29A-[30A]	B29 SCC Only	4CC #17	
3CC #124	[2A]-29A-30A	B29 SCC Only	-	
3CC #125	[2A]-29A-[30A]	B29 SCC Only	-	
3CC #126	2A-29A-[66A]	B29 SCC Only	4CC #18	
3CC #127	[2A]-29A-66A	B29 SCC Only	-	
3CC #128	[2A]-29A-[66A]	B29 SCC Only	-	
3CC #129	2A-30A-[66A]		4CC #19	
3CC #130	2A-[30A]-66A		4CC #20	
3CC #131	[2A]-30A-66A		4CC #53	
3CC #132	2A-[30A]-[66A]		-	
3CC #133	[2A]-30A-[66A]		-	
3CC #134	[2A]-[30A]-66A		-	
3CC #135	2A-[48C]	B48 SCC Only	-	
3CC #136	[2A]-48C	B48 SCC Only	4CC #58	
3CC #137	2A-[48A]-48A	B48 SCC Only	-	
3CC #138	2A-[48A]-[48A]	B48 SCC Only	-	
3CC #139	[2A]-48A-48A	B48 SCC Only	-	
3CC #140	[2A]-[48A]-48A	B48 SCC Only	-	
3CC #141	2A-48A-[66A]	B48 SCC Only	-	
3CC #142	2A-[48A]-66A	B48 SCC Only	-	
3CC #143	[2A]-48A-66A	B48 SCC Only	-	
3CC #144	2A-[48A]-[66A]	B48 SCC Only	-	
3CC #145	[2A]-48A-[66A]	B48 SCC Only	-	
3CC #146	[2A]-[48A]-66A	B48 SCC Only	-	
3CC #147	2A-66A-[66A]		-	
3CC #148	2A-[66A]-66A		-	
3CC #149	[2A]-66A-66A		4CC #59	
3CC #150	2A-[66A]-[66A]		-	
3CC #151	2A-[66C]		-	
3CC #152	[2A]-66C		4CC #60	
3CC #153	2A-[66A]-71A		4CC #21	
3CC #154	[2A]-66A-71A		-	
3CC #155	[2A]-[66A]-71A		-	
3CC #156	4A-[4A]-5A		-	
3CC #157	[4A]-4A-5A		-	
3CC #158	[4A]-[4A]-5A		-	
3CC #159	4A-4A-[7A]		-	
3CC #160	4A-[4A]-7A		-	
3CC #161	[4A]-4A-7A		-	
3CC #162	[4A]-[4A]-7A		-	
3CC #163	4A-[4A]-12A		-	
3CC #164	[4A]-4A-12A		-	
3CC #165	[4A]-[4A]-12A		-	
3CC #166	4A-[4A]-13A		-	
3CC #167	[4A]-4A-13A		-	
3CC #168	[4A]-[4A]-13A		-	
3CC #169	4A-[4A]-71A		-	
3CC #170	[4A]-4A-71A		-	
3CC #171	[4A]-[4A]-71A		-	
3CC #172	4A-5A-[30A]		-	
3CC #173	[4A]-5A-30A		-	
3CC #174	[4A]-5A-[30A]		-	
3CC #175	4A-7A-[7A]		-	
3CC #176	4A-[7A]-7A		-	
3CC #177	[4A]-7A-7A		4CC #24	

Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #178	4A-[7A]-[7A]		-	
3CC #179	4A-[7C]		-	
3CC #180	[4A]-7C		4CC #26	
3CC #181	4A-[7A]-12A		-	
3CC #182	[4A]-7A-12A		-	
3CC #183	[4A]-[7A]-12A		-	
3CC #184	[4A]-12B		4CC #28	
3CC #185	4A-12A-[30A]		-	
3CC #186	[4A]-12A-30A		-	
3CC #187	[4A]-12A-[30A]		-	
3CC #188	4A-29A-[30A]	B29 SCC Only	-	
3CC #189	[4A]-29A-30A	B29 SCC Only	-	
3CC #190	[4A]-29A-[30A]	B29 SCC Only	-	
3CC #191	4A-[48C]	B48 SCC Only	-	
3CC #192	[4A]-48C	B48 SCC Only	-	
3CC #193	5A-7A-[7A]		-	
3CC #194	5A-[7A]-7A		-	
3CC #195	5A-[7A]-[7A]		-	
3CC #196	5A-[7C]		-	
3CC #197	5A-7A-[66A]		-	
3CC #198	5A-[7A]-66A		4CC #64	
3CC #199	5A-[7A]-[66A]		-	
3CC #200	5A-30A-[66A]		-	
3CC #201	5A-[30A]-66A		4CC #65	
3CC #202	5A-[30A]-[66A]		-	
3CC #203	5A-[48C]	B48 SCC Only	-	
3CC #204	5A-48A-[66A]	B48 SCC Only	-	
3CC #205	5A-[48A]-66A	B48 SCC Only	4CC #67	
3CC #206	5A-[48A]-[66A]	B48 SCC Only	-	
3CC #207	5A-66A-[66A]		-	
3CC #208	5A-[66A]-66A		-	
3CC #209	5A-[66A]-[66A]		-	
3CC #210	5A-[66C]		-	
3CC #211	7A-[7A]-13A		-	
3CC #212	[7A]-7A-13A		-	
3CC #213	[7A]-[7A]-13A		-	
3CC #214	[7C]-13A		-	
3CC #215	7A-7A-[25A]		4CC #71	
3CC #216	7A-[7A]-25A		-	
3CC #217	[7A]-7A-25A		-	
3CC #218	[7A]-[7A]-25A		-	
3CC #219	7C-[25A]		4CC #73	
3CC #220	[7C]-25A		-	
3CC #221	7A-[7A]-29A	B29 SCC Only	-	
3CC #222	[7A]-7A-29A	B29 SCC Only	-	
3CC #223	[7A]-[7A]-29A	B29 SCC Only	-	
3CC #224	[7C]-29A	B29 SCC Only	-	
3CC #225	7A-7A-[66A]		4CC #39	
3CC #226	7A-[7A]-66A		-	
3CC #227	[7A]-7A-66A		-	
3CC #228	[7A]-[7A]-66A		-	
3CC #229	7C-[66A]		4CC #41	
3CC #230	[7C]-66A		-	
3CC #231	[7A]-12B		-	
3CC #232	7A-12A-[66A]		-	
3CC #233	[7A]-12A-66A		-	
3CC #234	[7A]-12A-[66A]		-	
3CC #235	7A-13A-[66A]		4CC #68	

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3CC #236	[7A]-13A-66A		-	
3CC #237	[7A]-13A-[66A]		-	
3CC #238	7A-25A-[25A]		-	
3CC #239	7A-[25A]-25A		-	
3CC #240	[7A]-25A-25A		4CC #75	
3CC #241	7A-[25A]-[25A]		-	
3CC #242	7A-25A-[66A]		4CC #70	
3CC #243	7A-[25A]-66A		4CC #71	
3CC #244	[7A]-25A-66A		-	
3CC #245	7A-[25A]-[66A]		-	
3CC #246	[7A]-25A-[66A]		-	
3CC #247	[7A]-[25A]-66A		-	
3CC #248	7A-29A-[66A]	B29 SCC Only	4CC #76	
3CC #249	[7A]-29A-66A	B29 SCC Only	-	
3CC #250	[7A]-29A-[66A]	B29 SCC Only	-	
3CC #251	7A-66A-[66A]		-	
3CC #252	7A-[66A]-66A		-	
3CC #253	[7A]-66A-66A		4CC #43	
3CC #254	7A-[66A]-[66A]		-	
3CC #255	7A-[66A]-71A		-	
3CC #256	[7A]-66A-71A		-	
3CC #257	[7A]-[66A]-71A		-	
3CC #258	12B-[66A]		4CC #45	
3CC #259	12A-30A-[66A]		-	
3CC #260	12A-[30A]-66A		4CC #78	
3CC #261	12A-[30A]-[66A]		-	
3CC #262	12A-[48C]	B48 SCC Only	-	
3CC #263	12A-66A-[66A]		-	
3CC #264	12A-[66A]-66A		-	
3CC #265	12A-[66A]-[66A]		-	
3CC #266	12A-[66C]		-	
3CC #267	13A-[48C]	B48 SCC Only	-	
3CC #268	13A-48A-[66A]	B48 SCC Only	-	
3CC #269	13A-[48A]-66A	B48 SCC Only	-	
3CC #270	13A-[48A]-[66A]	B48 SCC Only	-	
3CC #271	13A-66A-[66A]		-	
3CC #272	13A-[66A]-66A		-	
3CC #273	13A-[66A]-[66A]		-	
3CC #274	13A-[66C]		-	
3CC #275	14A-30A-[66A]		-	
3CC #276	14A-[30A]-66A		4CC #81	
3CC #277	14A-[30A]-[66A]		-	
3CC #278	14A-66A-[66A]		-	
3CC #279	14A-[66A]-66A		-	
3CC #280	14A-[66A]-[66A]		-	
3CC #281	25A-25A-[66A]		4CC #74	
3CC #282	25A-[25A]-66A		-	
3CC #283	[25A]-25A-66A		-	
3CC #284	[25A]-[25A]-66A		-	
3CC #285	29A-30A-[66A]	B29 SCC Only	-	
3CC #286	29A-[30A]-66A	B29 SCC Only	4CC #82	
3CC #287	29A-[30A]-[66A]	B29 SCC Only	-	
3CC #288	29A-[66A]-66A	B29 SCC Only	-	
3CC #289	29A-[66A]-[66A]	B29 SCC Only	-	
3CC #290	30A-66A-[66A]		-	
3CC #291	30A-[66A]-66A		-	
3CC #292	[30A]-66A-66A		4CC #82	
3CC #293	30A-[66A]-[66A]		-	

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Index	3CC	Restriction	Completely Covered by Measurement Superset	Reverse
3CC #294	48A-[48C]		-	
3CC #295	[48A]-48C		4CC #85	
3CC #296	48C-[66A]	B48 SCC Only	4CC #85	
3CC #297	[48C]-66A	B48 SCC Only	-	
3CC #298	48A-48A-[66A]	B48 SCC Only	-	
3CC #299	48A-[48A]-66A	B48 SCC Only	4CC #86	
3CC #300	48A-[48A]-[66A]	B48 SCC Only	-	
3CC #301	[48A]-48A-66A	B48 SCC Only	4CC #86	
3CC #302	[48A]-48A-[66A]	B48 SCC Only	-	
3CC #303	[48A]-[48A]-66A	B48 SCC Only	-	
3CC #304	48A-[66A]-66A	B48 SCC Only	-	
3CC #305	48A-[66A]-[66A]	B48 SCC Only	-	
3CC #306	[48A]-66A-66A	B48 SCC Only	4CC #86	
3CC #307	48A-[48A]-71A	B48 SCC Only	-	
3CC #308	[48A]-48A-71A	B48 SCC Only	-	
3CC #309	[48A]-[48A]-71A	B48 SCC Only	-	
3CC #310	[48C]-71A	B48 SCC Only	-	
3CC #311	66A-[66C]		-	
3CC #312	[66A]-66C		4CC #80	
3CC #313	66A-[66A]-71A		-	
3CC #314	[66A]-66A-71A		-	
3CC #315	[66A]-[66A]-71A		-	
3CC #316	[66C]-71A		-	

Index	4CC	Restriction	Completely Covered by Measurement Superset	Reverse
4CC #1	2A-2A-[4A]-5A			
4CC #2	2A-2A-[4A]-12A			
4CC #3	2A-2A-[4A]-71A			
4CC #4	2A-2A-5A-[7A]			
4CC #5	2A-2A-5A-[30A]			
4CC #6	2A-2A-5A-[66A]			
4CC #7	2A-2A-[7A]-12A			
4CC #8	2A-2A-[7A]-13A			
4CC #9	2A-2A-7A-[66A]			
4CC #10	2A-2A-[7A]-66A			
4CC #11	2A-2A-[7A]-71A			
4CC #12	2A-2A-12A-[30A]			
4CC #13	2A-2A-12A-[66A]			
4CC #14	2A-2A-13A-[66A]			
4CC #15	2A-2A-14A-[30A]			
4CC #16	2A-2A-14A-[66A]			
4CC #17	2A-2A-29A-[30A]	B29 SCC Only		
4CC #18	2A-2A-29A-[66A]	B29 SCC Only		
4CC #19	2A-2A-30A-[66A]			
4CC #20	2A-2A-[30A]-66A			
4CC #21	2A-2A-[66A]-71A			
4CC #22	[2A]-4A-4A-5A			
4CC #23	[2A]-4A-4A-12A			
4CC #24	2A-[4A]-7A-7A			
4CC #25	[2A]-4A-7A-7A			
4CC #26	2A-[4A]-7C			
4CC #27	[2A]-4A-7C			
4CC #28	2A-[4A]-12B			
4CC #29	[2A]-4A-12B			
4CC #30	[2A]-5A-7A-7A			
4CC #31	[2A]-5A-7C			
4CC #32	[2A]-5A-48C	B48 SCC Only		
4CC #33	[2A]-5A-66A-66A			
4CC #34	[2A]-5A-66C			
4CC #35	[2A]-7A-7A-13A			
4CC #36	[2A]-7A-7A-29A	B29 SCC Only		
4CC #37	[2A]-7C-13A			
4CC #38	[2A]-7C-29A	B29 SCC Only		
4CC #39	2A-7A-7A-[66A]			
4CC #40	[2A]-7A-7A-66A			
4CC #41	2A-7C-[66A]			
4CC #42	[2A]-7C-66A			
4CC #43	2A-[7A]-66A-66A			
4CC #44	[2A]-7A-66A-66A			
4CC #45	2A-12B-[66A]			
4CC #46	[2A]-12B-66A			
4CC #47	[2A]-12A-66A-66A			
4CC #48	[2A]-12A-66C			
4CC #49	[2A]-13A-48C			
4CC #50	[2A]-13A-66A-66A			
4CC #51	[2A]-14A-66A-66A			
4CC #52	2A-[30A]-66A-66A			
4CC #53	[2A]-30A-66A-66A			
4CC #54	2A-[48A]-48C	B48 SCC Only		

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Index	4CC	Restriction	Completely Covered by Measurement Superset	Reverse
4CC #55	[2A]-48A-48C	B48 SCC Only		
4CC #56	[2A]-48D	B48 SCC Only		
4CC #57	2A-48C-[66A]	B48 SCC Only		
4CC #58	[2A]-48C-66A	B48 SCC Only		
4CC #59	[2A]-66A-66A-71A			
4CC #60	[2A]-66C-71A			
4CC #61	[4A]-48D	B48 SCC Only		
4CC #62	5A-7A-7A-[66A]			
4CC #63	5A-7C-[66A]			
4CC #64	5A-[7A]-66A-66A			
4CC #65	5A-[30A]-66A-66A			
4CC #66	5A-48C-[66A]	B48 SCC Only		
4CC #67	5A-[48A]-66A-66A	B48 SCC Only		
4CC #68	7A-7A-13A-[66A]			
4CC #69	7C-13A-[66A]			
4CC #70	7A-7A-25A-[66A]			
4CC #71	7A-7A-[25A]-66A			
4CC #72	7C-25A-[66A]			
4CC #73	7C-[25A]-66A			
4CC #74	7A-25A-25A-[66A]			
4CC #75	[7A]-25A-25A-66A			
4CC #76	7A-7A-29A-[66A]	B29 SCC Only		
4CC #77	7C-29A-[66A]	B29 SCC Only		
4CC #78	12A-[30A]-66A-66A			
4CC #79	13A-48C-[66A]	B48 SCC Only		
4CC #80	13A-[66A]-66C			
4CC #81	14A-[30A]-66A-66A			
4CC #82	29A-[30A]-66A-66A	B29 SCC Only		
4CC #83	[48A]-48D			
4CC #84	48A-48C-[66A]	B48 SCC Only		
4CC #85	[48A]-48C-66A	B48 SCC Only		
4CC #86	48A-[48A]-66A-66A	B48 SCC Only		
4CC #87	[48A]-48A-66A-66A	B48 SCC Only		
4CC #88	48D-[66A]	B48 SCC Only		

Note: "[]" is 4X4 MIMO Configuration.

C.2.1 Downlink Carrier Aggregation RF Conducted Powers

C.2.1.1 LTE 4X4 MIMO DL Standalone Powers

LTE Band	BW [MHz]	Ch.	Freq. [MHz]	Mod.	RB Size	RB Offset	4X4 DL MIMO Tx. Power (dBm)	Single Antenna Tx Power (dBm)
2	20	18700	1860.0	QPSK	1	49	22.77	22.89
4	20	20175	1732.5	QPSK	1	0	24.05	24.16
7	20	21100	2535.0	QPSK	1	49	24.11	24.21
25	20	26140	1860.0	QPSK	1	0	22.85	22.91
30	10	27710	2310.0	QPSK	1	0	21.18	21.23
41	20	40620	2593.0	QPSK	1	49	23.91	24.05
48	20	56640	3690.0	QPSK	1	99	22.20	22.28
66	20	132072	1720.0	QPSK	1	0	24.16	24.22

C.2.1.2 LTE Band 2 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-[2A]-4A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	2175	2132.5					22.75	22.89
CA_[2A]-2A-4A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	2175	2132.5					22.75	22.89
CA_[2A]-[2A]-4A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	2175	2132.5					22.80	22.89
CA_2A-[2A]-5A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B5	10	2525	881.5					22.75	22.89
CA_[2A]-[2A]-5A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B5	10	2525	881.5					22.75	22.89
CA_2A-[2A]-7A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B7	20	3100	2655.0					22.81	22.89
CA_[2A]-2A-7A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B7	20	3100	2655.0					22.76	22.89
CA_[2A]-[2A]-7A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B7	20	3100	2655.0					22.85	22.89
CA_2A-[2A]-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B12	10	5095	737.5					22.81	22.89
CA_[2A]-2A-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B12	10	5095	737.5					22.85	22.89
CA_[2A]-[2A]-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B12	10	5095	737.5					22.86	22.89
CA_2A-[2A]-13A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B13	10	5230	751.0					22.82	22.89
CA_[2A]-2A-13A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B13	10	5230	751.0					22.82	22.89
CA_[2A]-[2A]-13A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B13	10	5230	751.0					22.74	22.89
CA_2A-[2A]-14A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B14	10	5330	763.0					22.86	22.89
CA_[2A]-2A-14A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B14	10	5330	763.0					22.82	22.89
CA_[2A]-[2A]-14A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B14	10	5330	763.0					22.86	22.89
CA_2A-[2A]-29A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B29	10	9715	722.5					22.86	22.89
CA_[2A]-2A-29A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B29	10	9715	722.5					22.75	22.89
CA_[2A]-[2A]-29A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B29	10	9715	722.5					22.84	22.89
CA_2A-[2A]-30A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B30	10	9820	2355.0					22.86	22.89
CA_[2A]-2A-30A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B30	10	9820	2355.0					22.82	22.89
CA_[2A]-[2A]-30A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B30	10	9820	2355.0					22.81	22.89
CA_2A-[2A]-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B66	20	66786	2145.0					22.80	22.89
CA_[2A]-2A-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B66	20	66786	2145.0					22.75	22.89
CA_[2A]-[2A]-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B66	20	66786	2145.0					22.83	22.89
CA_2C-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	898	1959.8	B66	20	66786	2145.0					22.83	22.89
CA_[2C]-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	898	1959.8	B66	20	66786	2145.0					22.80	22.89

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_2A-[2A]-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B71	20	68761	634.5					22.84	22.89
CA_[2A]-2A-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B71	20	68761	634.5					22.76	22.89
CA_[2A]-[2A]-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B71	20	68761	634.5					22.82	22.89
CA_2A-4A-[4A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B4	20	2300	2145.0					22.78	22.89
CA_2A-[4A]-4A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B4	20	2300	2145.0					22.83	22.89
CA_2A-[4A]-[4A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B4	20	2300	2145.0					22.75	22.89
CA_[2A]-4A-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B29	10	9715	722.5					22.82	22.89
CA_[2A]-[4A]-29A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B29	10	9715	722.5					22.82	22.89
CA_2A-4A-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.86	22.89
CA_2A-[4A]-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.78	22.89
CA_[2A]-4A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.79	22.89
CA_2A-[4A]-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.79	22.89
CA_[2A]-4A-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.74	22.89
CA_[2A]-[4A]-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B30	10	9820	2355.0					22.85	22.89
CA_2A-[4A]-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B71	20	68761	634.5					22.84	22.89
CA_[2A]-4A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B71	20	68761	634.5					22.85	22.89
CA_[2A]-[4A]-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B4	20	2175	2132.5	B71	20	68761	634.5					22.86	22.89
CA_[2A]-5A-[7A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B7	20	3100	2655.0					22.83	22.89
CA_[2A]-5A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B30	10	9820	2355.0					22.80	22.89
CA_[2A]-5A-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B30	10	9820	2355.0					22.82	22.89
CA_2A-5A-[48A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B48	20	55990	3625.0					22.75	22.89
CA_[2A]-5A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B48	20	55990	3625.0					22.85	22.89
CA_[2A]-5A-[48A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B48	20	55990	3625.0					22.83	22.89
CA_[2A]-5A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B5	10	2525	881.5	B66	20	66786	2145.0					22.75	22.89
CA_2A-7A-[7A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.77	22.89
CA_2A-[7A]-7A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.83	22.89
CA_2A-[7A]-[7A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.79	22.89
CA_2A-[7C]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8					22.83	22.89
CA_[2A]-7A-12A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B12	10	5095	737.5					22.83	22.89
CA_[2A]-[7A]-12A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B12	10	5095	737.5					22.84	22.89
CA_[2A]-7A-13A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B13	10	5230	751.0					22.80	22.89
CA_[2A]-[7A]-13A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B13	10	5230	751.0					22.81	22.89
CA_2A-[7A]-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B29	10	9715	722.5					22.82	22.89
CA_[2A]-7A-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B29	10	9715	722.5					22.75	22.89
CA_[2A]-[7A]-29A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B29	10	9715	722.5					22.78	22.89
CA_2A-[7A]-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B66	20	66786	2145.0					22.85	22.89
CA_[2A]-7A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B66	20	66786	2145.0					22.83	22.89
CA_[2A]-[7A]-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B66	20	66786	2145.0					22.79	22.89
CA_[2A]-7A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B71	20	68761	634.5					22.83	22.89
CA_[2A]-[7A]-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B7	20	3100	2655.0	B71	20	68761	634.5					22.75	22.89
CA_[2A]-12A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B30	10	9820	2355.0					22.86	22.89
CA_[2A]-12A-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B30	10	9820	2355.0					22.84	22.89
CA_[2A]-12A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B12	10	5095	737.5	B66	20	66786	2145.0					22.74	22.89
CA_2A-13A-[48A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B48	20	56640	3690.0					22.74	22.89

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_[2A]-13A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B48	20	56640	3690.0					22.84	22.89
CA_[2A]-13A-[48A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B48	20	56640	3690.0					22.80	22.89
CA_[2A]-13A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B13	10	5230	751.0	B66	20	66786	2145.0					22.77	22.89
CA_[2A]-14A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B14	10	5330	763.0	B66	20	66786	2145.0					22.85	22.89
CA_[2A]-29A-30A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B29	10	9715	722.5	B30	10	9820	2355.0					22.84	22.89
CA_[2A]-29A-[30A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B29	10	9715	722.5	B30	10	9820	2355.0					22.81	22.89
CA_[2A]-29A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B29	10	9715	722.5	B66	20	66786	2145.0					22.84	22.89
CA_[2A]-29A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B29	10	9715	722.5	B66	20	66786	2145.0					22.76	22.89
CA_2A-[30A]-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B30	10	9820	2355.0	B66	20	66786	2145.0					22.85	22.89
CA_[2A]-30A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B30	10	9820	2355.0	B66	20	66786	2145.0					22.84	22.89
CA_[2A]-[30A]-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B30	10	9820	2355.0	B66	20	66786	2145.0					22.74	22.89
CA_2A-[48C]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	15	56161	3642.1					22.80	22.89
CA_2A-[48A]-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56640	3690.0					22.84	22.89
CA_2A-[48A]-[48A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56640	3690.0					22.76	22.89
CA_[2A]-48A-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56640	3690.0					22.80	22.89
CA_[2A]-[48A]-48A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B48	20	56640	3690.0					22.79	22.89
CA_2A-48A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.74	22.89
CA_2A-[48A]-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.75	22.89
CA_[2A]-48A-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.81	22.89
CA_2A-[48A]-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.85	22.89
CA_[2A]-48A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.78	22.89
CA_[2A]-[48A]-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B48	20	55990	3625.0	B66	20	66786	2145.0					22.84	22.89
CA_2A-66A-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	67036	2170.0					22.84	22.89
CA_2A-[66A]-66A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	67036	2170.0					22.78	22.89
CA_2A-[66A]-[66A]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	67036	2170.0					22.80	22.89
CA_2A-[66C]	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B66	20	67036	2170.0					22.83	22.89
CA_[2A]-66A-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B71	20	68761	634.5					22.85	22.89
CA_[2A]-[66A]-71A	B2	20	18700	1860	QPSK	1	49	700	1940.0	B66	20	66786	2145.0	B71	20	68761	634.5					22.83	22.89
CA_2A-2A-[4A]-5A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	2175	2132.5	B5	10	2525	881.5	22.83	22.89
CA_2A-2A-[4A]-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	900	1960.0	B4	20	20175	2132.5	B12	10	5095	737.5	22.81	22.89
CA_2A-2A-[4A]-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B4	20	2175	2132.5	B71	20	68761	634.5	22.80	22.89
CA_2A-2A-5A-[7A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B7	20	3100	2655.0	22.84	22.89
CA_2A-2A-5A-[30A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B30	10	9820	2355.0	22.78	22.89
CA_2A-2A-5A-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B5	10	2525	881.5	B66	20	66786	2145.0	22.81	22.89
CA_2A-2A-[7A]-12A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B12	10	5095	737.5	22.76	22.89
CA_2A-2A-[7A]-13A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B13	10	5230	751.0	22.76	22.89
CA_2A-2A-7A-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.86	22.89
CA_2A-2A-[7A]-66A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.78	22.89
CA_2A-2A-[7A]-71A	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B7	20	3100	2655.0	B71	20	68761	634.5	22.82	22.89
CA_2A-2A-12A-[30A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B12	10	5095	737.5	B30	10	9820	2355.0	22.85	22.89
CA_2A-2A-12A-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B12	10	5095	737.5	B66	20	66786	2145.0	22.82	22.89
CA_2A-2A-13A-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B13	10	5230	751.0	B66	20	66786	2145.0	22.85	22.89
CA_2A-2A-14A-[30A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B14	10	5330	763.0	B30	10	9820	2355.0	22.79	22.89
CA_2A-2A-14A-[66A]	B2	20	18700	1860.0	QPSK	1	49	700	1940.0	B2	20	1100	1980.0	B14	10	5330	763.0	B66	20	66786	2145.0	22.76	22.89

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C.2.1.3 LTE Band 4 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB Size	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	LTE Tx. Power with DL CA	LTE Single Carrier Tx
CA_4A-[48A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0									24.03	24.16
CA_[4A]-48A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0									24.05	24.16
CA_[4A]-[48A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0									24.09	24.16
CA_2A-[2A]-4A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.12	24.16
CA_[2A]-2A-4A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.11	24.16
CA_[2A]-[2A]-4A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.08	24.16
CA_2A-4A-[4A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0					24.01	24.16
CA_2A-[4A]-4A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0					24.11	24.16
CA_2A-[4A]-[4A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0					24.06	24.16
CA_[2A]-4A-29A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B29	10	9715	722.5					24.01	24.16
CA_[2A]-[4A]-29A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B29	10	9715	722.5					24.06	24.16
CA_2A-4A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.13	24.16
CA_2A-[4A]-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.13	24.16
CA_[2A]-4A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.08	24.16
CA_2A-[4A]-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.09	24.16
CA_[2A]-4A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.07	24.16
CA_[2A]-[4A]-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B30	10	9820	2355.0					24.03	24.16
CA_2A-[4A]-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B71	20	68761	634.5	B2	20	900	1960.0					24.07	24.16
CA_[2A]-4A-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B71	20	68761	634.5	B2	20	900	1960.0					24.05	24.16
CA_[2A]-[4A]-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B71	20	68761	634.5	B2	20	900	1960.0					24.05	24.16
CA_4A-[4A]-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B5	10	2525	881.5					24.08	24.16
CA_[4A]-4A-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B5	10	2525	881.5					24.02	24.16
CA_[4A]-[4A]-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B5	10	2525	881.5					24.06	24.16
CA_4A-4A-[7A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B7	20	3100	2655.0					24.02	24.16
CA_4A-[4A]-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B7	20	3100	2655.0					24.08	24.16
CA_[4A]-4A-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B7	20	3100	2655.0					24.08	24.16
CA_[4A]-[4A]-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B7	20	3100	2655.0					24.07	24.16
CA_4A-[4A]-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B12	10	5095	737.5					24.12	24.16
CA_[4A]-4A-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B12	10	5095	737.5					24.08	24.16
CA_[4A]-[4A]-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B12	10	5095	737.5					24.05	24.16
CA_4A-[4A]-13A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B13	10	5230	751.0					24.01	24.16
CA_[4A]-4A-13A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B13	10	5230	751.0					24.06	24.16
CA_[4A]-[4A]-13A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B13	10	5230	751.0					24.08	24.16
CA_4A-[4A]-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B71	20	68761	634.5					24.10	24.16
CA_[4A]-4A-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B71	20	68761	634.5					24.06	24.16
CA_[4A]-[4A]-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B71	20	68761	634.5					24.07	24.16
CA_4A-5A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B5	10	2525	881.5	B30	10	9820	2355.0					24.01	24.16
CA_[4A]-5A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B5	10	2525	881.5	B30	10	9820	2355.0					24.10	24.16
CA_[4A]-[5A]-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B5	10	2525	881.5	B30	10	9820	2355.0					24.09	24.16
CA_4A-7A-[7A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0					24.04	24.16
CA_4A-[7A]-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0					24.01	24.16
CA_4A-[7A]-[7A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0					24.11	24.16

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KP24-08490

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB Size	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	LTE Tx. Power with DL CA	LTE Single Carrier Tx
CA_4A-[7C]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3298	2674.8					24.03	24.16
CA_4A-[7A]-12A	B4	10	20000	1715	QPSK	1	0	2000	2115.0	B7	20	3100	2655.0	B12	10	5095	737.5					24.04	24.15
CA_[4A]-7A-12A	B4	10	20000	1715	QPSK	1	0	2000	2115.0	B7	20	3100	2655.0	B12	10	5095	737.5					24.11	24.15
CA_[4A]-[7A]-12A	B4	10	20000	1715	QPSK	1	0	2000	2115.0	B7	20	3100	2655.0	B12	10	5095	737.5					24.03	24.15
CA_4A-12A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B30	10	9820	2355.0					24.07	24.16
CA_[4A]-12A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B30	10	9820	2355.0					24.11	24.16
CA_[4A]-12A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B30	10	9820	2355.0					24.06	24.16
CA_4A-29A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B29	10	9715	722.5	B30	10	9820	2355.0					24.13	24.16
CA_[4A]-29A-30A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B29	10	9715	722.5	B30	10	9820	2355.0					24.01	24.16
CA_[4A]-29A-[30A]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B29	10	9715	722.5	B30	10	9820	2355.0					24.09	24.16
CA_4A-[48C]	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0	B48	15	56161	3642.1					24.06	24.16
CA_[4A]-48C	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0	B48	15	56161	3642.1					24.13	24.16
CA_2A-2A-[4A]-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B5	10	2525	881.5	24.11	24.16
CA_2A-2A-[4A]-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B12	10	5095	737.5	24.08	24.16
CA_2A-2A-[4A]-71A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B2	20	900	1960.0	B2	20	1100	1980.0	B71	20	68761	634.5	24.08	24.16
CA_[2A]-4A-4A-5A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	B5	10	2525	881.5	24.11	24.16
CA_[2A]-4A-4A-12A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	B12	10	5095	737.5	24.01	24.16
CA_2A-[4A]-7A-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.01	24.16
CA_[2A]-4A-7A-7A	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.07	24.16
CA_2A-[4A]-7C	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.11	24.16
CA_[2A]-4A-7C	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.01	24.16
CA_2A-[4A]-12B	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B12	5	5167	744.7	B2	20	900	1960.0	24.13	24.16
CA_[2A]-4A-12B	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B12	10	5095	737.5	B12	5	5167	744.7	B2	20	900	1960.0	24.02	24.16
CA_[4A]-48D	B4	20	20175	1732.5	QPSK	1	0	2175	2132.5	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	24.11	24.16

C.2.1.6 LTE Band 12 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_12A-[25A]	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B25	20	8365	1962.5									23.50	23.56
CA_12A-[48A]	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B48	20	55990	3625.0									23.52	23.56
CA_2A-[2A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0					23.50	23.56
CA_2A-[2A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0					23.45	23.56
CA_2A-[2A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0					23.41	23.56
CA_2A-[7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B7	20	3100	2655.0					23.42	23.56
CA_2A-[7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B7	20	3100	2655.0					23.41	23.56
CA_2A-[12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B2	20	900	1960.0					23.43	23.56
CA_2A-[12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B2	20	900	1960.0					23.44	23.56
CA_2A-[12A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B2	20	900	1960.0					23.52	23.56
CA_4A-[4A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B4	20	2300	2145.0					23.45	23.56
CA_4A-[4A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B4	20	2300	2145.0					23.45	23.56
CA_4A-[4A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B4	20	2300	2145.0					23.43	23.56
CA_4A-[7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	10	2175	2132.5	B7	20	3100	2655.0					23.50	23.56
CA_4A-[7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	10	2175	2132.5	B7	20	3100	2655.0					23.46	23.56
CA_4A-[7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	10	2175	2132.5	B7	20	3100	2655.0					23.50	23.56
CA_4A-[12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B4	20	2175	2132.5					23.47	23.56
CA_4A-[12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B4	20	2175	2132.5					23.49	23.56
CA_4A-[12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B4	20	2175	2132.5					23.47	23.56
CA_7A-[12B]	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B7	20	3100	2655.0					23.33	23.47
CA_7A-[12A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B7	20	3100	2655.0					23.50	23.56
CA_7A-[12A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B7	20	3100	2655.0					23.53	23.56
CA_7A-[12A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B7	20	3100	2655.0					23.49	23.56
CA_12A-[30A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B66	20	66786	2145.0					23.42	23.56
CA_12A-[30A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B66	20	66786	2145.0					23.47	23.56
CA_12A-[48C]	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B48	20	55990	3625.0	B48	15	56161	3642.1					23.49	23.56
CA_12A-[66A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0					23.43	23.56
CA_12A-[66A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0					23.44	23.56
CA_12A-[66A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0					23.51	23.56
CA_12A-[66C]	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	66984	2164.8					23.47	23.56
CA_2A-[2A]-4A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B4	20	2175	2132.5	23.45	23.56
CA_2A-[2A]-7A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	23.42	23.56
CA_2A-[2A]-12A]-30A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	23.49	23.56
CA_2A-[2A]-12A]-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	23.47	23.56
CA_2A-[4A]-4A]-12A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B4	20	2175	2132.5	B4	20	2300	2145.0	B2	20	900	1960.0	23.42	23.56
CA_2A-[4A]-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B4	20	2300	2145.0	23.44	23.56
CA_2A-[4A]-12B	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B4	20	2300	2145.0	23.42	23.56
CA_2A-[12B]-66A	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B66	20	66786	2145.0	23.49	23.56
CA_2A-[12B]-66A	B12	5	23035	701.5	QPSK	1	0	5035	731.5	B12	10	5107	738.7	B2	20	900	1960.0	B66	20	66786	2145.0	23.45	23.56
CA_2A-[12A]-66A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	23.46	23.56
CA_2A-[12A]-66C	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B66	20	66786	2145.0	B66	20	66984	2164.8	B2	20	900	1960.0	23.44	23.56
CA_12A-[30A]-66A-66A	B12	10	23095	707.5	QPSK	1	0	5095	737.5	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	23.47	23.56

C.2.1.7 LTE Band 13 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch. Freq.	(UL) Mod.	(UL) RB Size	(UL) RB	(DL) Ch. Freq.	(DL) Mod.	(DL) RB Size	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Mod.	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Mod.	Band	BW [MHz]	(DL) Ch. Freq.	(DL) Mod.	LTE Tx. Power with DL CA	LTE Single Carrier Tx
CA_2A-[2A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.54	24.64
CA_[2A]-2A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.56	24.64
CA_[2A]-[2A]-13A	B13	10	23230	782.0	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.50	24.64
CA_[2A]-7A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B7	20	3100	2655.0					24.49	24.64
CA_[2A]-[7A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B7	20	3100	2655.0					24.59	24.64
CA_2A-13A-[48A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	56640	3690.0	B2	20	900	1960.0					24.52	24.64
CA_[2A]-13A-48A	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	56640	3690.0	B2	20	900	1960.0					24.57	24.64
CA_[2A]-13A-[48A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	56640	3690.0	B2	20	900	1960.0					24.58	24.64
CA_[2A]-13A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B2	20	900	1960.0					24.52	24.64
CA_4A-[4A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B4	20	2175	2132.5	B4	20	2300	2145.0					24.53	24.64
CA_[4A]-4A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B4	20	2175	2132.5	B4	20	2300	2145.0					24.49	24.64
CA_[4A]-[4A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B4	20	2175	2132.5	B4	20	2300	2145.0					24.54	24.64
CA_7A-[7A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0					24.49	24.64
CA_[7A]-7A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0					24.57	24.64
CA_[7A]-[7A]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0					24.60	24.64
CA_[7C]-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3298	2674.8					24.52	24.64
CA_[7A]-13A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B7	20	3100	2655.0					24.51	24.64
CA_[7A]-13A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B7	20	3100	2655.0					24.61	24.64
CA_13A-[48C]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B48	15	56161	3642.1					24.60	24.64
CA_13A-48A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B66	20	66786	2145.0					24.58	24.64
CA_13A-[48A]-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B66	20	66786	2145.0					24.58	24.64
CA_13A-[48A]-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B66	20	66786	2145.0					24.50	24.64
CA_13A-66A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.59	24.64
CA_13A-[66A]-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.60	24.64
CA_13A-[66A]-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.60	24.64
CA_13A-[66C]	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	66984	2164.8					24.58	24.64
CA_2A-2A-[7A]-13A	B13	10	23230	782.0	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	24.51	24.64
CA_2A-2A-13A-[66A]	B13	10	23230	782.0	QPSK	1	25	5230	751.0	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.53	24.64
CA_[2A]-7A-7A-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B2	20	900	1960.0	24.58	24.64
CA_[2A]-7C-13A	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B2	20	900	1960.0	24.57	24.64
CA_[2A]-13A-48C	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B2	20	900	1960.0	24.61	24.64
CA_[2A]-13A-66A-66A	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.60	24.64
CA_7A-7A-13A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	67036	2170.0	24.53	24.64
CA_7C-13A-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	24.54	24.64
CA_13A-48C-[66A]	B13	10	23230	782	QPSK	1	25	5230	751.0	B48	20	55990	3625.0	B48	20	56161	3642.1	B66	20	67036	2170.0	24.52	24.64
CA_13A-[66A]-66C	B13	10	23230	782	QPSK	1	25	5230	751.0	B66	20	66786	2145.0	B66	20	66536	2120.0	B66	20	66734	2139.8	24.59	24.64

C.2.1.9 LTE Band 14 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB Size	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	LTE Tx. Power with DL CA	LTE Single Carrier Tx
CA_2A-[2A]-14A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.56	24.62
CA_[2A]-2A-14A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.58	24.62
CA_[2A]-[2A]-14A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0					24.58	24.62
CA_[2A]-14A-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B2	20	900	1960.0					24.48	24.62
CA_14A-30A-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B30	10	9820	2355.0	B66	20	66786	2145.0					24.54	24.62
CA_14A-[30A]-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B30	10	9820	2355.0	B66	20	66786	2145.0					24.52	24.62
CA_14A-66A-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.54	24.62
CA_14A-[66A]-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.50	24.62
CA_14A-[66A]-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0					24.53	24.62
CA_2A-2A-14A-[30A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0	B30	10	9820	2355.0	24.55	24.62
CA_2A-2A-14A-[66A]	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.52	24.62
CA_[2A]-14A-66A-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.55	24.62
CA_14A-[30A]-66A-66A	B14	10	23330	793.0	QPSK	1	25	5330	763.0	B30	10	9820	2355.0	B66	20	66786	2145.0	B66	20	67036	2170.0	24.49	24.62

C.2.1.10 LTE Band 25 as PCC

Combination	PCC									SCC 1				SCC 2				SCC 3				Power	
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_5A-[25A]	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B5	10	2525	881.5									22.88	22.91
CA_12A-[25A]	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B12	10	5095	737.5									22.83	22.91
CA_7A-[7A]-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.81	22.91
CA_[7A]-7A-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.81	22.91
CA_[7A]-[7A]-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0					22.77	22.91
CA_[7C]-25A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8					22.76	22.91
CA_7A-25A-[25A]	B25	10	26090	1855.0	QPSK	1	0	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0					22.74	22.81
CA_7A-[25A]-25A	B25	10	26090	1855.0	QPSK	1	0	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0					22.71	22.81
CA_7A-[25A]-[25A]	B25	10	26090	1855.0	QPSK	1	0	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0					22.72	22.81
CA_[7A]-25A-66A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B66	20	66786	2145.0	B7	20	3100	2655.0					22.81	22.91
CA_7A-[25A]-[66A]	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B66	20	66786	2145.0	B7	20	3100	2655.0					22.83	22.91
CA_[7A]-25A-[66A]	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B66	20	66786	2145.0	B7	20	3100	2655.0					22.77	22.91
CA_[7A]-[25A]-66A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B66	20	66786	2145.0	B7	20	3100	2655.0					22.88	22.91
CA_25A-[25A]-66A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B66	20	66786	2145.0					22.67	22.81
CA_[25A]-25A-66A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B66	20	66786	2145.0					22.68	22.81
CA_[25A]-[25A]-66A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B66	20	66786	2145.0					22.77	22.81
CA_7A-7A-25A-[66A]	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	22.85	22.91
CA_7A-7A-[25A]-66A	B25	20	26140	1860	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3350	2680.0	B66	20	66786	2145.0	22.88	22.91
CA_7C-25A-[66A]	B25	20	26140	1860.0	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	22.87	22.91
CA_7C-[25A]-66A	B25	20	26140	1860.0	QPSK	1	0	8140	1940.0	B7	20	3100	2655.0	B7	20	3298	2674.8	B66	20	66786	2145.0	22.76	22.91
CA_7A-25A-25A-[66A]	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.73	22.81
CA_[7A]-25A-25A-66A	B25	10	26090	1855.0	QPSK	1	25	8090	1935.0	B25	10	8640	1990.0	B7	20	3100	2655.0	B66	20	66786	2145.0	22.76	22.81

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C.2.1.12 LTE Band 41 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_41A-[41A]	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	41490	2680.0									24.02	24.05
CA_[41A]-41A	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	41490	2680.0									23.95	24.05
CA_[41A]-[41A]	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	41490	2680.0									23.98	24.05
CA_[41C]	B41	20	40620	2593	QPSK	1	49	40620	2593.0	B41	20	40818	2612.8									23.92	24.05

C.2.1.13 LTE Band 48 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq.	LTE Tx. Power with	LTE Single Carrier Tx
CA_[48B]	B48	10	56690	3695	QPSK	1	49	56690	3695.0	B48	10	56591	3685.1									22.20	22.26
CA_48A-[48C]	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	55990	3625.0	B48	15	56161	3642.1					22.23	22.28
CA_48A-[48C]	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	15	56469	3672.9	B48	20	56640	3690.0					22.23	22.28
CA_[48A]-48D	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	55990	3625.0	B48	20	56188	3644.8	B48	20	56386	3664.6	22.20	22.28
CA_[48A]-48D	B48	20	56640	3690.0	QPSK	1	99	56640	3690.0	B48	20	56442	3670.2	B48	20	56244	3650.4	B48	20	55990	3625.0	22.20	22.28

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C.2.1.15 LTE Band 71 as PCC

Combination	PCC								SCC 1				SCC 2				SCC 3				Power		
	Band	BW [MHz]	(UL) Ch.	(UL) Freq.	Mod.	(UL) RB Size	(UL) RB	(DL) Ch.	(DL) Freq.	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	Band	BW [MHz]	(DL) Ch.	(DL) Freq. [MHz]	LTE Tx. Power with DL CA	LTE Single Carrier Tx
CA_2A-[2A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.21	24.33
CA_[2A]-2A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.20	24.33
CA_[2A]-[2A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0					24.19	24.33
CA_2A-[4A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B4	20	2175	2132.5					24.28	24.33
CA_[2A]-4A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B4	20	2175	2132.5					24.29	24.33
CA_[2A]-[4A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B4	20	2175	2132.5					24.22	24.33
CA_[2A]-7A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B7	20	3100	2655.0					24.18	24.33
CA_[2A]-[7A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B7	20	3100	2655.0					24.30	24.33
CA_[2A]-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B66	20	66786	2145.0					24.26	24.33
CA_[2A]-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B66	20	66786	2145.0					24.25	24.33
CA_4A-[4A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B4	20	2175	2132.5	B4	20	2300	2145.0					24.25	24.33
CA_[4A]-4A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B4	20	2175	2132.5	B4	20	2300	2145.0					24.24	24.33
CA_[4A]-[4A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B4	20	2175	2132.5	B4	20	2300	2145.0					24.28	24.33
CA_7A-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B7	20	3100	2655.0	B66	20	66786	2145.0					24.28	24.33
CA_[7A]-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B7	20	3100	2655.0	B66	20	66786	2145.0					24.27	24.33
CA_[7A]-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B7	20	3100	2655.0	B66	20	66786	2145.0					24.20	24.33
CA_48A-[48A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	55990	3625.0	B48	20	56640	3690.0					24.25	24.33
CA_[48A]-48A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	55990	3625.0	B48	20	56640	3690.0					24.30	24.33
CA_[48A]-[48A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	55990	3625.0	B48	20	56640	3690.0					24.24	24.33
CA_[48C]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B48	20	55990	3625.0	B48	15	56161	3642.1					24.24	24.33
CA_66A-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	67036	2170.0					24.26	24.33
CA_[66A]-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	67036	2170.0					24.29	24.33
CA_[66A]-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	67036	2170.0					24.21	24.33
CA_[66C]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	66984	2164.8					24.29	24.33
CA_2A-2A-[4A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B4	20	2175	2132.5	24.18	24.33
CA_2A-2A-[7A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B7	20	3100	2655.0	24.26	24.33
CA_2A-2A-[66A]-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B2	20	900	1960.0	B2	20	1100	1980.0	B66	20	66786	2145.0	24.24	24.33
CA_[2A]-66A-66A-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	67036	2170.0	B2	20	900	1960.0	24.22	24.33
CA_[2A]-66C-71A	B71	20	133297	680.5	QPSK	1	0	68761	634.5	B66	20	66786	2145.0	B66	20	66984	2164.8	B2	20	900	1960.0	24.30	24.33

Appendix D. Power Reduction Verification

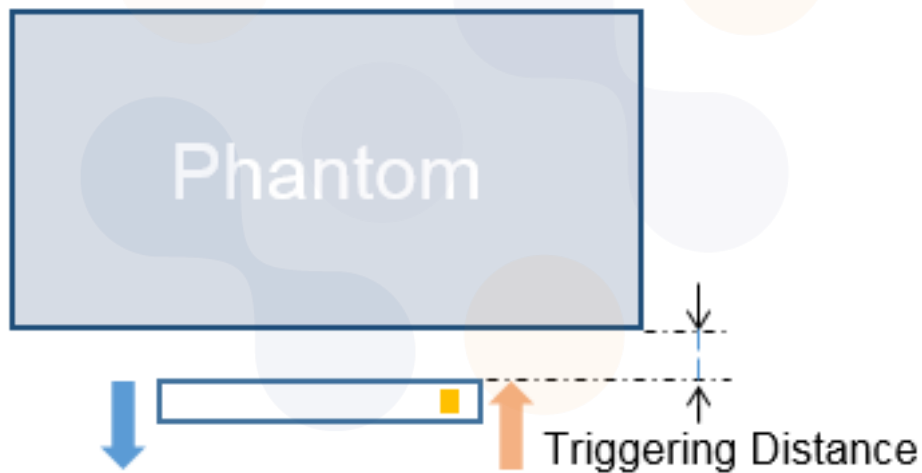
D.1 Proximity Sensor Triggering Distance

Proximity Sensor Triggering Distance (KDB 616217 §6.2)

Rear, Right, Top, Bottom of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 §6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power.

The DUT featured a visual indicator on its display that showed the status of the proximity sensor (Triggered or not triggered). This was used to determine the status of the sensor during the proximity sensor assessment as monitoring the output power directly was not practical without affecting the measurement.

It was confirmed separately that the output power was altered according to the proximity sensor status indication. This was achieved by observing the proximity sensor status at the same time as monitoring the conducted power contains both the full and reduced conducted power measurements.



LEGEND

-  Direction of DUT travel for determination of power reduction triggering point
-  Direction of DUT travel for determination of full power resumption triggering point

D.1.1 Rear

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Rear		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
750 Head	LTE Band 12	20 mm	20 mm	19 mm
	LTE Band 13			
	LTE Band 14			
	LTE Band 71			
	5G NR n71			
850 Head	WCDMA Band 5	20 mm	20 mm	19 mm
	LTE Band 5			
	LTE Band 26			
	5G NR n5			
1750 Head	WCDMA Band 4	20 mm	20 mm	19 mm
	LTE Band 4 (Main1)			
	LTE Band 66 (Main1)			
	5G NR n66	19 mm	19 mm	18 mm
	LTE Band 4 (Sub1)			
	LTE Band 66 (Sub1)			
1900 Head	WCDMA Band 2	20 mm	20 mm	19 mm
	LTE Band 2 (Main1)			
	LTE Band 25 (Main1)			
	5G NR n2			
	5G NR n25	19 mm	19 mm	18 mm
	LTE Band 2 (Sub1)			
	LTE Band 25 (Sub1)			
2300 Head	LTE Band 30	17 mm	17 mm	16 mm
	5G NR n30	19 mm	19 mm	18 mm
	LTE Band 30 (Sub1)			
2600 Head	LTE Band 7	17 mm	17 mm	16 mm
	LTE Band 41 (PC2)			
	LTE Band 41 (PC3)			
	5G NR n41 (PC2)			
	5G NR n41 (PC3)			
	LTE Band 7 (Sub1)	19 mm	19 mm	18 mm
3500 Head	LTE Band 48	17 mm	17 mm	16 mm
	5G NR n48			

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Tissue simulating liquid	Band	Trigger distance – Rear		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
3700 Head	5G NR n77 (PC2)	17 mm	17 mm	16 mm
	5G NR n77 (PC3)			
	5G NR n78 (PC2)			
	5G NR n78 (PC3)			
2450 Head	WLAN Ant. 1	16 mm	16 mm	15 mm
	Bluetooth Ant. 1			
5000 Head	WLAN Ant. 1	16 mm	16 mm	15 mm
2450 Head	WLAN Ant. 2	20 mm	20 mm	19 mm
	Bluetooth Ant. 2			
5000 Head	WLAN Ant. 2	20 mm	20 mm	19 mm

Proximity Sensor Triggering Distance Measurement Results – Rear Side (Main1 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	25	24	23	22	21	20	19	18	17	16
WCDMA II	23.07	23.06	22.96	22.92	22.91	10.97	11.09	10.97	10.99	11.01
WCDMA IV	23.81	23.76	23.69	23.78	23.82	11.56	11.45	11.61	11.54	11.57
WCDMA V	23.71	23.79	23.64	23.68	23.73	14.10	14.04	14.04	14.10	13.97
LTE Band 2 (Main1)	22.97	22.91	22.92	22.84	22.98	11.52	11.52	11.55	11.59	11.57
LTE Band 4 (Main1)	24.19	24.08	24.15	24.14	24.19	13.28	13.10	13.25	13.15	13.20
LTE Band 5	24.04	23.90	23.97	23.93	24.08	15.01	14.91	14.93	15.02	14.84
LTE Band 12	23.47	23.60	23.66	23.46	23.49	15.91	15.88	16.00	15.92	15.91
LTE Band 13	24.71	24.56	24.72	24.71	24.71	14.40	14.51	14.42	14.46	14.39
LTE Band 14	24.66	24.62	24.71	24.62	24.56	16.63	16.53	16.58	16.48	16.64
LTE Band 25	22.81	22.85	22.87	22.88	22.88	11.71	11.74	11.90	11.72	11.73
LTE Band 26	22.62	22.63	22.76	22.63	22.64	15.81	15.73	15.80	15.75	15.83
LTE Band 66 (Main1)	24.25	24.31	24.18	24.31	24.18	13.29	13.27	13.24	13.33	13.19
LTE Band 71	24.28	24.31	24.30	24.32	24.27	16.48	16.57	16.58	16.58	16.62
5G NR n2	23.78	23.66	23.79	23.82	23.65	10.65	10.53	10.64	10.59	10.61
5G NR n5	24.29	24.29	24.33	24.32	24.37	16.34	16.22	16.22	16.29	16.30
5G NR n25	23.77	23.72	23.76	23.84	23.67	10.81	10.78	10.65	10.66	10.65
5G NR n66	24.11	24.25	24.20	24.18	24.07	13.04	13.09	13.18	13.22	13.04
5G NR n71	24.63	24.73	24.74	24.70	24.78	16.59	16.56	16.57	16.41	16.43

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	16	17	18	19	20	21	22	23	24	25
WCDMA II	11.10	11.11	10.97	11.15	11.13	22.91	22.95	22.95	22.98	22.98
WCDMA IV	11.50	11.44	11.47	11.46	11.55	23.88	23.79	23.75	23.77	23.72
WCDMA V	13.99	14.08	14.17	14.10	14.13	23.84	23.75	23.75	23.84	23.84
LTE Band 2 (Main1)	11.61	11.61	11.46	11.45	11.45	22.82	22.94	22.83	22.86	22.92
LTE Band 4 (Main1)	13.20	13.13	13.11	13.27	13.21	24.14	24.26	24.25	24.25	24.18
LTE Band 5	14.87	14.94	14.90	14.87	14.92	23.97	24.00	24.04	23.90	23.92
LTE Band 12	16.01	15.99	15.85	16.00	15.94	23.55	23.58	23.47	23.46	23.59
LTE Band 13	14.45	14.46	14.44	14.54	14.42	24.64	24.56	24.61	24.62	24.69
LTE Band 14	16.65	16.51	16.59	16.52	16.65	24.67	24.62	24.59	24.60	24.65
LTE Band 25	11.87	11.88	11.76	11.87	11.81	22.92	22.94	22.93	22.90	23.00
LTE Band 26	15.69	15.85	15.82	15.89	15.72	22.61	22.80	22.73	22.79	22.64
LTE Band 66 (Main1)	13.32	13.26	13.35	13.26	13.18	24.27	24.12	24.19	24.19	24.13
LTE Band 71	16.56	16.42	16.43	16.51	16.42	24.29	24.36	24.34	24.35	24.34
5G NR n2	10.57	10.59	10.56	10.51	10.50	23.84	23.65	23.65	23.67	23.84
5G NR n5	16.23	16.27	16.28	16.19	16.22	24.30	24.27	24.38	24.32	24.20
5G NR n25	10.70	10.77	10.72	10.73	10.61	23.72	23.82	23.85	23.65	23.67
5G NR n66	13.21	13.12	13.13	13.22	13.17	24.18	24.18	24.10	24.22	24.18
5G NR n71	16.60	16.52	16.41	16.57	16.51	24.74	24.63	24.71	24.72	24.71

Proximity Sensor Triggering Distance Measurement Results – Rear Side (Main2 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	22	21	20	19	18	17	16	15	14	13
LTE Band 7	24.12	24.13	24.12	24.31	24.21	11.71	11.66	11.68	11.55	11.65
LTE Band 30	21.14	21.18	21.18	21.25	21.14	10.84	10.71	10.81	10.91	10.87
LTE Band 41(PC2)	25.78	25.75	25.71	25.78	25.63	16.07	16.05	16.06	16.07	15.90
LTE Band 41(PC3)	24.07	24.05	23.95	23.98	24.03	13.56	13.74	13.58	13.59	13.65
5G NR n30	21.69	21.67	21.74	21.59	21.68	10.24	10.14	10.32	10.27	10.30
5G NR n41(PC2)	25.97	26.13	26.05	26.08	26.01	16.06	16.03	16.20	16.16	16.22
5G NR n41(PC3)	23.94	23.87	24.01	23.84	24.01	15.83	15.73	15.88	15.90	15.73
5G NR n77(PC2)	24.95	24.94	24.97	24.99	24.97	14.52	14.57	14.54	14.53	14.43
5G NR n77(PC3)	23.84	23.69	23.69	23.80	23.88	14.30	14.34	14.29	14.35	14.24
5G NR n78(PC2)	24.50	24.52	24.59	24.53	24.61	14.50	14.55	14.51	14.35	14.38
5G NR n78(PC3)	23.38	23.44	23.43	23.36	23.44	14.26	14.23	14.22	14.21	14.25

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	13	14	15	16	17	18	19	20	21	22
LTE Band 7	11.59	11.72	11.56	11.72	11.54	24.12	24.29	24.17	24.28	24.18
LTE Band 30	10.76	10.84	10.85	10.73	10.87	21.23	21.15	21.13	21.29	21.23
LTE Band 41(PC2)	16.02	15.99	16.07	16.00	15.93	25.74	25.78	25.72	25.76	25.76
LTE Band 41(PC3)	13.68	13.75	13.60	13.72	13.76	24.11	23.97	24.10	24.09	23.97
5G NR n30	10.21	10.21	10.32	10.19	10.22	21.73	21.63	21.62	21.68	21.57
5G NR n41(PC2)	16.20	16.19	16.06	16.15	16.21	26.01	26.12	25.96	25.99	26.12
5G NR n41(PC3)	15.86	15.83	15.85	15.80	15.77	24.00	23.93	24.00	23.98	23.88
5G NR n77(PC2)	14.52	14.54	14.50	14.62	14.56	25.02	25.09	25.10	25.02	25.08
5G NR n77(PC3)	14.32	14.36	14.28	14.32	14.30	23.69	23.85	23.72	23.76	23.86
5G NR n78(PC2)	14.54	14.49	14.52	14.36	14.52	24.65	24.49	24.47	24.48	24.50
5G NR n78(PC3)	14.17	14.21	14.15	14.20	14.23	23.40	23.39	23.44	23.46	23.38

Proximity Sensor Triggering Distance Measurement Results – Rear Side (Sub1 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	24	23	22	21	20	19	18	17	16	15
LTE Band 2 (Sub1)	22.18	22.20	22.01	22.03	22.02	13.37	13.32	13.32	13.31	13.25
LTE Band 4 (Sub1)	24.67	24.59	24.74	24.59	24.56	12.89	12.90	12.77	12.90	12.76
LTE Band 7 (Sub1)	22.43	22.44	22.60	22.61	22.52	13.69	13.74	13.65	13.66	13.60
LTE Band 25 (Sub1)	22.34	22.44	22.45	22.28	22.38	13.26	13.13	13.10	13.19	13.25
LTE Band 30 (Sub1)	21.80	21.87	21.75	21.81	21.84	13.68	13.72	13.72	13.60	13.70
LTE Band 66 (Sub1)	22.30	22.32	22.38	22.40	22.32	13.28	13.20	13.34	13.22	13.28

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	15	16	17	18	19	20	21	22	23	24
LTE Band 2 (Sub1)	13.32	13.25	13.25	13.32	13.42	22.13	22.17	22.07	22.19	22.17
LTE Band 4 (Sub1)	12.76	12.77	12.93	12.90	12.84	24.64	24.55	24.55	24.69	24.68
LTE Band 7 (Sub1)	13.73	13.68	13.74	13.73	13.75	22.49	22.50	22.62	22.50	22.46
LTE Band 25 (Sub1)	13.20	13.10	13.13	13.26	13.17	22.36	22.38	22.40	22.39	22.28
LTE Band 30 (Sub1)	13.77	13.76	13.74	13.70	13.63	21.91	21.78	21.91	21.76	21.74
LTE Band 66 (Sub1)	13.30	13.33	13.19	13.28	13.34	22.33	22.36	22.32	22.42	22.33

Proximity Sensor Triggering Distance Measurement Results – Rear Side (Sub4 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	22	21	20	19	18	17	16	15	14	13
LTE Band 48	22.35	22.18	22.27	22.37	22.35	10.29	10.21	10.29	10.35	10.34
5G NR n48	21.89	21.93	21.90	21.90	21.94	13.72	13.68	13.82	13.66	13.79

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	13	14	15	16	17	18	19	20	21	22
LTE Band 48	10.38	10.35	10.39	10.35	10.31	22.37	22.27	22.36	22.24	22.26
5G NR n48	13.80	13.77	13.83	13.81	13.77	21.93	22.00	21.90	21.80	21.80

Proximity Sensor Triggering Distance Measurement Results – Rear Side (WIFI Ant.1)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	21	20	19	18	17	16	15	14	13	12
2.4 GHz 802.11b	18.84	18.81	18.80	18.76	18.84	11.17	11.33	11.20	11.21	11.30
2.4 GHz 802.11g	14.90	14.87	14.88	15.03	14.94	10.50	10.51	10.46	10.60	10.45
2.4 GHz 802.11n	14.98	15.15	15.01	15.04	15.12	11.23	11.29	11.29	11.29	11.15
2.4 GHz 802.11ac	15.16	15.13	15.20	15.21	15.16	11.11	10.95	11.09	11.08	11.01
2.4 GHz 802.11ax SU	14.63	14.63	14.71	14.72	14.70	10.93	11.04	10.86	10.97	10.91
5 GHz 802.11a	17.35	17.33	17.31	17.31	17.31	7.17	7.00	7.07	7.18	7.11
5 GHz 802.11n 20MHz	16.19	16.29	16.16	16.31	16.16	7.43	7.26	7.33	7.37	7.40
5 GHz 802.11n 40MHz	15.75	15.73	15.83	15.78	15.84	6.81	6.86	6.89	6.88	6.93
5 GHz 802.11ac 20MHz	15.69	15.70	15.58	15.64	15.65	7.13	7.04	7.22	7.19	7.04
5 GHz 802.11ac 40MHz	15.05	14.98	15.03	15.15	15.14	6.52	6.65	6.62	6.63	6.59
5 GHz 802.11ac 80MHz	15.08	14.90	14.96	15.04	14.94	7.03	7.04	6.98	6.99	6.93
5 GHz 802.11ac 160MHz	14.05	14.14	13.97	14.01	14.11	7.15	7.16	7.10	7.18	7.09
5 GHz 802.11ax SU(20M)	15.73	15.83	15.69	15.78	15.74	6.85	7.00	6.82	6.91	6.88
5 GHz 802.11ax SU(40M)	15.71	15.69	15.58	15.69	15.66	7.17	7.19	7.26	7.19	7.21
5 GHz 802.11ax SU(80M)	14.57	14.42	14.48	14.43	14.59	7.18	7.24	7.18	7.20	7.07
5 GHz 802.11ax SU(160M)	13.62	13.58	13.58	13.67	13.57	7.44	7.45	7.46	7.29	7.45
Bluetooth(DH5)	19.15	19.13	19.22	19.20	19.22	10.08	10.09	9.98	9.99	10.00

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	12	13	14	15	16	17	18	19	20	21
2.4 GHz 802.11b	11.23	11.25	11.29	11.27	11.27	18.80	18.77	18.74	18.75	18.78
2.4 GHz 802.11g	10.58	10.55	10.62	10.50	10.60	14.91	14.88	14.91	14.86	15.02
2.4 GHz 802.11n	11.24	11.29	11.21	11.31	11.19	15.11	14.98	15.03	15.12	15.17
2.4 GHz 802.11ac	10.95	10.95	11.07	11.06	11.02	15.26	15.27	15.11	15.17	15.13
2.4 GHz 802.11ax SU	11.02	10.85	10.95	11.05	10.94	14.70	14.69	14.78	14.69	14.77
5 GHz 802.11a	7.04	7.18	7.05	7.14	7.12	17.29	17.34	17.43	17.45	17.38
5 GHz 802.11n 20MHz	7.43	7.40	7.36	7.27	7.45	16.32	16.28	16.29	16.27	16.23
5 GHz 802.11n 40MHz	6.84	6.83	6.88	6.93	6.93	15.81	15.68	15.65	15.79	15.82
5 GHz 802.11ac 20MHz	7.20	7.16	7.03	7.10	7.17	15.51	15.59	15.69	15.61	15.57
5 GHz 802.11ac 40MHz	6.65	6.59	6.52	6.55	6.61	14.96	15.06	15.08	15.12	15.15
5 GHz 802.11ac 80MHz	7.05	7.04	7.00	7.02	7.01	14.92	15.02	14.89	15.07	14.91
5 GHz 802.11ac 160MHz	7.25	7.19	7.20	7.23	7.20	14.12	13.97	14.02	13.98	14.01
5 GHz 802.11ax SU(20M)	6.85	7.00	6.81	6.87	7.00	15.67	15.79	15.78	15.82	15.74
5 GHz 802.11ax SU(40M)	7.16	7.28	7.18	7.16	7.22	15.62	15.56	15.63	15.68	15.59
5 GHz 802.11ax SU(80M)	7.11	7.11	7.10	7.08	7.16	14.43	14.56	14.60	14.45	14.59
5 GHz 802.11ax SU(160M)	7.29	7.32	7.38	7.49	7.41	13.62	13.63	13.67	13.71	13.59
Bluetooth(DH5)	9.98	10.06	10.10	10.05	9.96	19.06	19.05	19.13	19.12	19.09

Proximity Sensor Triggering Distance Measurement Results – Rear Side (WIFI Ant.2)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	25	24	23	22	21	20	19	18	17	16
2.4 GHz 802.11b	19.18	19.06	19.08	19.14	19.17	11.00	10.87	10.81	10.90	10.80
2.4 GHz 802.11g	15.37	15.48	15.30	15.29	15.47	10.81	10.95	10.91	10.85	10.85
2.4 GHz 802.11n	15.15	15.18	15.26	15.25	15.15	11.30	11.31	11.26	11.26	11.37
2.4 GHz 802.11ac	15.10	15.05	15.02	15.11	15.06	10.66	10.63	10.75	10.59	10.62
2.4 GHz 802.11ax SU	14.90	14.84	14.88	14.85	14.81	10.51	10.41	10.42	10.55	10.56
5 GHz 802.11a	16.60	16.54	16.64	16.58	16.58	7.42	7.43	7.25	7.43	7.32
5 GHz 802.11n 20MHz	15.60	15.56	15.60	15.53	15.59	6.71	6.60	6.64	6.67	6.66
5 GHz 802.11n 40MHz	15.48	15.61	15.56	15.59	15.55	6.69	6.80	6.88	6.68	6.75
5 GHz 802.11ac 20MHz	15.89	15.89	15.87	16.01	15.85	6.77	6.81	6.85	6.77	6.74
5 GHz 802.11ac 40MHz	15.37	15.56	15.54	15.40	15.46	6.98	7.02	6.98	7.00	6.98
5 GHz 802.11ac 80MHz	14.76	14.78	14.61	14.72	14.62	7.24	7.23	7.32	7.34	7.36
5 GHz 802.11ac 160MHz	13.67	13.77	13.66	13.73	13.73	6.86	6.77	6.68	6.88	6.83
5 GHz 802.11ax SU(20M)	15.59	15.61	15.62	15.54	15.53	6.64	6.68	6.62	6.77	6.69
5 GHz 802.11ax SU(40M)	15.87	15.83	15.89	15.86	15.76	6.65	6.52	6.57	6.50	6.52
5 GHz 802.11ax SU(80M)	14.83	14.87	14.84	14.71	14.85	7.41	7.41	7.40	7.39	7.48
5 GHz 802.11ax SU(160M)	13.68	13.65	13.78	13.62	13.64	6.59	6.64	6.46	6.54	6.60
Bluetooth(DH5)	18.05	18.07	18.07	18.10	18.18	9.35	9.29	9.25	9.29	9.38

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	16	17	18	19	20	21	22	23	24	25
2.4 GHz 802.11b	10.91	10.82	10.86	10.81	10.96	19.05	19.20	19.13	19.16	19.11
2.4 GHz 802.11g	10.84	10.91	10.93	10.98	10.92	15.44	15.48	15.49	15.40	15.31
2.4 GHz 802.11n	11.30	11.29	11.25	11.31	11.28	15.29	15.22	15.13	15.31	15.31
2.4 GHz 802.11ac	10.68	10.67	10.68	10.74	10.74	15.18	15.09	15.17	15.07	15.03
2.4 GHz 802.11ax SU	10.52	10.45	10.57	10.56	10.56	14.92	14.88	14.92	14.84	14.86
5 GHz 802.11a	7.29	7.27	7.33	7.42	7.28	16.72	16.66	16.68	16.64	16.56
5 GHz 802.11n 20MHz	6.58	6.59	6.63	6.60	6.67	15.41	15.41	15.43	15.49	15.54
5 GHz 802.11n 40MHz	6.83	6.68	6.88	6.88	6.69	15.47	15.49	15.43	15.55	15.62
5 GHz 802.11ac 20MHz	6.82	6.80	6.85	6.74	6.65	15.89	15.85	15.90	15.86	15.83
5 GHz 802.11ac 40MHz	6.91	6.93	6.98	6.88	6.93	15.41	15.49	15.57	15.39	15.56
5 GHz 802.11ac 80MHz	7.34	7.40	7.34	7.32	7.23	14.66	14.70	14.77	14.75	14.65
5 GHz 802.11ac 160MHz	6.80	6.70	6.81	6.87	6.80	13.77	13.78	13.74	13.71	13.75
5 GHz 802.11ax SU(20M)	6.73	6.69	6.75	6.62	6.70	15.61	15.65	15.56	15.49	15.52
5 GHz 802.11ax SU(40M)	6.52	6.56	6.54	6.59	6.58	15.75	15.85	15.72	15.90	15.90
5 GHz 802.11ax SU(80M)	7.44	7.42	7.35	7.42	7.43	14.78	14.90	14.78	14.91	14.90
5 GHz 802.11ax SU(160M)	6.55	6.54	6.49	6.45	6.58	13.74	13.74	13.66	13.82	13.66
Bluetooth(DH5)	9.42	9.36	9.40	9.42	9.25	18.13	18.10	18.20	18.19	18.09

D.1.2 Right

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Right		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
3500 Head	LTE Band 48	11 mm	11 mm	10 mm
	5G NR n48			

Proximity Sensor Triggering Distance Measurement Results – Right Side (Sub4 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	16	15	14	13	12	11	10	9	8	7
LTE Band 48	22.32	22.21	22.31	22.24	22.24	10.22	10.40	10.35	10.36	10.30
5G NR n48	21.99	21.88	21.83	21.98	21.95	13.72	13.77	13.78	13.80	13.76

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	7	8	9	10	11	12	13	14	15	16
LTE Band 48	10.31	10.33	10.21	10.34	10.37	22.34	22.29	22.23	22.25	22.38
5G NR n48	13.65	13.81	13.70	13.69	13.67	21.85	21.96	21.82	21.84	21.81

D.1.3 Top

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Top		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
750 Head	LTE Band 12	20 mm	20 mm	19 mm
	LTE Band 13			
	LTE Band 14			
	LTE Band 71			
	5G NR n71			
850 Head	WCDMA Band 5	20 mm	20 mm	19 mm
	LTE Band 5			
	LTE Band 26			
	5G NR n5			
1750 Head	WCDMA Band 4	20 mm	20 mm	19 mm
	LTE Band 4 (Main1)			
	LTE Band 66 (Main1)			
	5G NR n66			
1900 Head	WCDMA Band 2	20 mm	20 mm	19 mm
	LTE Band 2 (Main1)			
	LTE Band 25 (Main1)			
	5G NR n2			
	5G NR n25			
2300 Head	LTE Band 30	17 mm	17 mm	16 mm
	5G NR n30			
2600 Head	LTE Band 7	17 mm	17 mm	16 mm
	LTE Band 41 (PC2)			
	LTE Band 41 (PC3)			
	5G NR n41 (PC2)			
	5G NR n41 (PC3)			
3700 Head	5G NR n77 (PC2)	12 mm	12 mm	11 mm
	5G NR n77 (PC3)			
	5G NR n78 (PC2)			
	5G NR n78 (PC3)			
2450 Head	WLAN Ant. 1	16 mm	16 mm	15 mm
	Bluetooth Ant. 1			
5000 Head	WLAN Ant. 1	16 mm	16 mm	15 mm

Proximity Sensor Triggering Distance Measurement Results – Top (Main1 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	24	23	22	21	20	19	18	17	16	15
WCDMA II	23.04	23.06	23.02	23.04	22.96	11.09	10.97	11.04	10.98	11.02
WCDMA IV	23.76	23.73	23.74	23.75	23.75	11.51	11.41	11.51	11.41	11.52
WCDMA V	23.67	23.64	23.79	23.66	23.65	14.05	14.09	14.16	14.07	14.05
LTE Band 2 (Main1)	22.79	22.92	22.87	22.93	22.86	11.53	11.63	11.52	11.58	11.60
LTE Band 4 (Main1)	24.13	24.15	24.16	24.13	24.25	13.17	13.24	13.19	13.21	13.14
LTE Band 5	23.94	23.96	24.03	23.88	23.96	14.97	14.95	14.89	14.94	14.86
LTE Band 12	23.66	23.57	23.49	23.49	23.61	15.84	15.92	15.98	15.89	15.85
LTE Band 13	24.70	24.55	24.74	24.64	24.62	14.43	14.38	14.36	14.51	14.42
LTE Band 14	24.52	24.68	24.68	24.65	24.59	16.58	16.46	16.52	16.51	16.65
LTE Band 25	22.89	22.83	22.91	22.95	22.97	11.85	11.80	11.88	11.85	11.75
LTE Band 26	22.78	22.67	22.64	22.77	22.81	15.70	15.81	15.70	15.70	15.86
LTE Band 66 (Main1)	24.20	24.16	24.13	24.23	24.13	13.29	13.24	13.34	13.21	13.28
LTE Band 71	24.32	24.34	24.25	24.42	24.35	16.60	16.57	16.61	16.42	16.60
5G NR n2	23.81	23.66	23.69	23.77	23.84	10.45	10.46	10.47	10.46	10.63
5G NR n5	24.38	24.30	24.39	24.25	24.40	16.19	16.34	16.27	16.19	16.23
5G NR n25	23.66	23.70	23.84	23.69	23.85	10.71	10.68	10.72	10.65	10.78
5G NR n66	24.07	24.12	24.25	24.13	24.22	13.22	13.14	13.10	13.16	13.07
5G NR n71	24.63	24.69	24.62	24.71	24.63	16.48	16.57	16.55	16.51	16.56

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	15	16	17	18	19	20	21	22	23	24
WCDMA II	11.14	11.12	11.06	10.99	11.05	23.06	22.91	23.00	22.99	23.02
WCDMA IV	11.54	11.61	11.58	11.42	11.52	23.79	23.79	23.75	23.84	23.71
WCDMA V	14.00	14.12	14.00	14.07	13.97	23.82	23.75	23.71	23.71	23.80
LTE Band 2 (Main1)	11.47	11.59	11.57	11.45	11.54	22.83	22.84	22.83	22.96	22.85
LTE Band 4 (Main1)	13.19	13.26	13.15	13.19	13.23	24.06	24.16	24.20	24.13	24.12
LTE Band 5	14.91	15.01	14.96	14.99	15.02	23.98	23.92	23.93	24.04	24.03
LTE Band 12	15.90	15.82	15.99	16.00	15.98	23.52	23.57	23.52	23.56	23.63
LTE Band 13	14.34	14.35	14.47	14.54	14.42	24.64	24.72	24.64	24.57	24.63
LTE Band 14	16.61	16.64	16.51	16.55	16.63	24.56	24.63	24.72	24.61	24.56
LTE Band 25	11.88	11.76	11.85	11.76	11.80	22.93	22.85	22.87	22.97	22.88
LTE Band 26	15.89	15.77	15.84	15.85	15.86	22.62	22.68	22.69	22.72	22.67
LTE Band 66 (Main1)	13.26	13.26	13.26	13.23	13.23	24.24	24.12	24.12	24.24	24.30
LTE Band 71	16.44	16.50	16.58	16.48	16.43	24.35	24.33	24.40	24.35	24.28
5G NR n2	10.53	10.61	10.48	10.64	10.48	23.76	23.65	23.73	23.78	23.65
5G NR n5	16.19	16.26	16.29	16.19	16.24	24.40	24.20	24.23	24.32	24.40
5G NR n25	10.73	10.67	10.75	10.70	10.63	23.83	23.69	23.74	23.79	23.66
5G NR n66	13.09	13.17	13.17	13.08	13.18	24.23	24.18	24.20	24.08	24.08
5G NR n71	16.48	16.59	16.43	16.55	16.59	24.66	24.70	24.65	24.61	24.62

Proximity Sensor Triggering Distance Measurement Results – Top (Main2 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	17	16	15	14	13	12	11	10	9	8
LTE Band 7	24.25	24.14	24.14	24.30	24.21	11.66	11.56	11.56	11.60	11.65
LTE Band 30	21.23	21.23	21.20	21.23	21.21	10.82	10.71	10.88	10.84	10.88
LTE Band 41(PC2)	25.76	25.81	25.81	25.75	25.68	15.90	16.05	15.99	15.89	16.01
LTE Band 41(PC3)	23.97	24.03	24.08	24.12	24.10	13.67	13.69	13.74	13.60	13.70
5G NR n30	21.62	21.70	21.72	21.60	21.62	10.18	10.21	10.21	10.16	10.25
5G NR n41(PC2)	26.09	26.01	25.95	26.06	25.97	16.10	16.03	16.05	16.22	16.05
5G NR n41(PC3)	23.84	23.86	23.87	23.88	23.87	15.92	15.75	15.84	15.78	15.76
5G NR n77(PC2)	24.98	24.93	24.93	25.06	25.02	14.57	14.60	14.55	14.52	14.59
5G NR n77(PC3)	23.70	23.82	23.87	23.70	23.71	14.40	14.27	14.30	14.37	14.29
5G NR n78(PC2)	24.59	24.66	24.62	24.50	24.51	14.41	14.54	14.40	14.49	14.54
5G NR n78(PC3)	23.35	23.52	23.39	23.39	23.44	14.10	14.19	14.18	14.13	14.21

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	8	9	10	11	12	13	14	15	16	17
LTE Band 7	11.55	11.55	11.66	11.72	11.66	24.14	24.14	24.23	24.13	24.28
LTE Band 30	10.76	10.89	10.86	10.77	10.74	21.29	21.18	21.33	21.14	21.22
LTE Band 41(PC2)	15.91	15.94	15.91	15.98	16.08	25.64	25.67	25.66	25.75	25.74
LTE Band 41(PC3)	13.68	13.74	13.62	13.63	13.58	23.98	24.07	23.98	24.15	23.95
5G NR n30	10.18	10.23	10.21	10.19	10.22	21.60	21.64	21.71	21.73	21.67
5G NR n41(PC2)	16.20	16.05	16.11	16.05	16.18	26.04	26.13	25.96	26.04	26.02
5G NR n41(PC3)	15.85	15.80	15.84	15.85	15.91	23.88	23.95	23.87	23.94	23.95
5G NR n77(PC2)	14.57	14.62	14.54	14.57	14.60	24.97	25.10	25.03	24.92	25.05
5G NR n77(PC3)	14.27	14.23	14.25	14.28	14.24	23.70	23.86	23.70	23.80	23.83
5G NR n78(PC2)	14.47	14.43	14.49	14.42	14.49	24.47	24.51	24.50	24.56	24.65
5G NR n78(PC3)	14.15	14.14	14.19	14.08	14.17	23.43	23.39	23.43	23.37	23.33

Proximity Sensor Triggering Distance Measurement Results – Top (WIFI Ant.1)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	21	20	19	18	17	16	15	14	13	12
2.4 GHz 802.11b	18.69	18.76	18.74	18.78	18.76	11.18	11.17	11.33	11.16	11.23
2.4 GHz 802.11g	14.93	14.95	14.95	14.98	14.95	10.47	10.58	10.61	10.50	10.54
2.4 GHz 802.11n	14.97	15.08	15.05	15.06	15.14	11.17	11.17	11.30	11.31	11.16
2.4 GHz 802.11ac	15.12	15.27	15.18	15.21	15.23	11.11	11.06	11.00	10.95	11.10
2.4 GHz 802.11ax SU	14.61	14.72	14.73	14.71	14.69	11.02	10.90	11.03	10.93	11.04
5 GHz 802.11a	17.38	17.40	17.35	17.43	17.33	7.08	7.18	7.12	7.11	7.15
5 GHz 802.11n 20MHz	16.14	16.28	16.13	16.31	16.19	7.29	7.43	7.30	7.36	7.26
5 GHz 802.11n 40MHz	15.75	15.70	15.65	15.71	15.69	6.77	6.87	6.79	6.81	6.79
5 GHz 802.11ac 20MHz	15.50	15.51	15.54	15.57	15.59	7.08	7.19	7.03	7.13	7.10
5 GHz 802.11ac 40MHz	15.11	15.03	15.11	15.04	15.10	6.49	6.51	6.65	6.64	6.56
5 GHz 802.11ac 80MHz	15.04	14.96	15.06	14.91	15.05	6.95	6.92	7.01	7.12	6.98
5 GHz 802.11ac 160MHz	13.97	14.13	14.01	14.08	14.10	7.16	7.17	7.20	7.18	7.08
5 GHz 802.11ax SU(20M)	15.77	15.67	15.65	15.84	15.83	6.83	6.94	6.98	6.94	6.88
5 GHz 802.11ax SU(40M)	15.59	15.70	15.65	15.75	15.56	7.20	7.22	7.33	7.25	7.23
5 GHz 802.11ax SU(80M)	14.52	14.52	14.60	14.53	14.49	7.09	7.23	7.17	7.07	7.09
5 GHz 802.11ax SU(160M)	13.65	13.69	13.64	13.60	13.60	7.32	7.45	7.30	7.29	7.40
Bluetooth(DH5)	19.12	19.15	19.08	19.04	19.21	10.06	10.08	9.97	9.91	9.96

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	12	13	14	15	16	17	18	19	20	21
2.4 GHz 802.11b	11.18	11.14	11.19	11.20	11.15	18.72	18.83	18.70	18.71	18.70
2.4 GHz 802.11g	10.60	10.52	10.49	10.61	10.51	14.92	14.86	14.97	14.97	15.02
2.4 GHz 802.11n	11.23	11.19	11.26	11.33	11.22	15.16	15.07	15.16	15.17	14.97
2.4 GHz 802.11ac	10.96	10.98	11.09	11.12	11.06	15.22	15.21	15.18	15.13	15.19
2.4 GHz 802.11ax SU	10.86	10.99	10.88	11.03	10.90	14.76	14.62	14.62	14.71	14.61
5 GHz 802.11a	7.06	7.17	7.07	7.13	7.18	17.44	17.45	17.40	17.33	17.30
5 GHz 802.11n 20MHz	7.46	7.31	7.38	7.35	7.40	16.12	16.12	16.19	16.16	16.28
5 GHz 802.11n 40MHz	6.86	6.76	6.84	6.74	6.77	15.78	15.81	15.83	15.78	15.79
5 GHz 802.11ac 20MHz	7.03	7.18	7.08	7.23	7.20	15.68	15.69	15.50	15.50	15.69
5 GHz 802.11ac 40MHz	6.52	6.45	6.57	6.52	6.50	14.96	15.02	15.05	15.00	15.05
5 GHz 802.11ac 80MHz	6.93	6.98	7.12	6.93	7.10	15.04	15.05	14.96	15.06	15.06
5 GHz 802.11ac 160MHz	7.27	7.20	7.11	7.25	7.07	14.11	14.01	14.16	14.02	14.02
5 GHz 802.11ax SU(20M)	6.96	7.01	6.90	6.92	6.98	15.76	15.74	15.81	15.71	15.80
5 GHz 802.11ax SU(40M)	7.18	7.18	7.25	7.21	7.22	15.74	15.59	15.56	15.67	15.74
5 GHz 802.11ax SU(80M)	7.20	7.10	7.23	7.08	7.11	14.43	14.55	14.56	14.59	14.52
5 GHz 802.11ax SU(160M)	7.37	7.30	7.45	7.48	7.44	13.67	13.56	13.74	13.57	13.64
Bluetooth(DH5)	10.11	9.99	10.01	9.91	10.01	19.14	19.23	19.09	19.21	19.07

D.1.4 Bottom

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Bottom		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
1750 Head	LTE Band 4 (Sub1)	19 mm	19 mm	18 mm
	LTE Band 66 (Sub1)			
1900 Head	LTE Band 2 (Sub1)	19 mm	19 mm	18 mm
	LTE Band 25 (Sub1)			
2300 Head	LTE Band 30 (Sub1)	19 mm	19 mm	18 mm
2600 Head	LTE Band 7 (Sub1)	19 mm	19 mm	18 mm
2450 Head	WLAN Ant. 2	15 mm	15 mm	14 mm
	Bluetooth Ant. 2			
5000 Head	WLAN Ant. 2	15 mm	15 mm	14 mm

Proximity Sensor Triggering Distance Measurement Results – Bottom (Sub1 Ant)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	24	23	22	21	20	19	18	17	16	15
LTE Band 2 (Sub1)	22.19	22.11	22.12	22.12	22.19	13.39	13.23	13.35	13.41	13.40
LTE Band 4 (Sub1)	24.68	24.55	24.64	24.58	24.71	12.81	12.81	12.83	12.91	12.86
LTE Band 7 (Sub1)	22.49	22.48	22.48	22.61	22.49	13.73	13.68	13.75	13.76	13.67
LTE Band 25 (Sub1)	22.28	22.25	22.44	22.39	22.41	13.14	13.10	13.30	13.22	13.28
LTE Band 30 (Sub1)	21.89	21.86	21.89	21.78	21.78	13.70	13.75	13.60	13.60	13.78
LTE Band 66 (Sub1)	22.30	22.43	22.27	22.40	22.31	13.31	13.30	13.23	13.21	13.35

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	15	16	17	18	19	20	21	22	23	24
LTE Band 2 (Sub1)	13.41	13.32	13.23	13.22	13.23	22.04	22.14	22.06	22.20	22.14
LTE Band 4 (Sub1)	12.80	12.84	12.94	12.75	12.93	24.60	24.56	24.60	24.72	24.69
LTE Band 7 (Sub1)	13.74	13.60	13.75	13.63	13.72	22.44	22.54	22.47	22.43	22.45
LTE Band 25 (Sub1)	13.23	13.29	13.10	13.26	13.25	22.37	22.32	22.37	22.29	22.41
LTE Band 30 (Sub1)	13.72	13.68	13.63	13.67	13.66	21.86	21.83	21.83	21.86	21.92
LTE Band 66 (Sub1)	13.31	13.35	13.30	13.22	13.16	22.30	22.32	22.37	22.42	22.43

Proximity Sensor Triggering Distance Measurement Results – Bottom (WIFI Ant.2)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	20	19	18	17	16	15	14	13	12	11
2.4 GHz 802.11b	19.12	19.17	19.12	19.10	19.07	10.86	10.88	10.97	10.88	10.93
2.4 GHz 802.11g	15.42	15.31	15.32	15.32	15.38	10.82	10.92	10.90	10.88	10.89
2.4 GHz 802.11n	15.31	15.32	15.28	15.12	15.28	11.22	11.22	11.37	11.37	11.37
2.4 GHz 802.11ac	15.02	15.09	15.15	15.03	15.04	10.66	10.68	10.58	10.59	10.68
2.4 GHz 802.11ax SU	14.79	14.81	14.91	14.86	14.93	10.61	10.53	10.52	10.56	10.58
5 GHz 802.11a	16.58	16.67	16.61	16.56	16.57	7.39	7.35	7.27	7.34	7.38
5 GHz 802.11n 20MHz	15.48	15.59	15.48	15.43	15.44	6.59	6.64	6.74	6.63	6.57
5 GHz 802.11n 40MHz	15.57	15.56	15.46	15.48	15.57	6.69	6.74	6.82	6.74	6.86
5 GHz 802.11ac 20MHz	15.91	15.91	16.00	15.91	16.01	6.76	6.81	6.83	6.69	6.73
5 GHz 802.11ac 40MHz	15.47	15.49	15.42	15.52	15.53	7.02	7.05	7.05	7.01	6.97
5 GHz 802.11ac 80MHz	14.60	14.65	14.61	14.59	14.78	7.39	7.35	7.35	7.29	7.25
5 GHz 802.11ac 160MHz	13.79	13.80	13.65	13.73	13.76	6.70	6.83	6.72	6.71	6.75
5 GHz 802.11ax SU(20M)	15.53	15.51	15.46	15.49	15.55	6.67	6.77	6.63	6.67	6.63
5 GHz 802.11ax SU(40M)	15.79	15.78	15.82	15.78	15.79	6.59	6.61	6.55	6.61	6.59
5 GHz 802.11ax SU(80M)	14.79	14.73	14.81	14.90	14.80	7.34	7.49	7.38	7.45	7.51
5 GHz 802.11ax SU(160M)	13.76	13.81	13.63	13.67	13.70	6.62	6.65	6.62	6.57	6.57
Bluetooth(DH5)	18.07	18.14	18.09	18.13	18.09	9.39	9.43	9.34	9.37	9.28

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	11	12	13	14	15	16	17	18	19	20
2.4 GHz 802.11b	11.00	10.94	10.99	10.96	10.90	19.07	19.08	19.19	19.09	19.22
2.4 GHz 802.11g	10.89	10.82	10.86	10.85	10.89	15.48	15.36	15.42	15.40	15.47
2.4 GHz 802.11n	11.33	11.24	11.36	11.21	11.19	15.24	15.28	15.20	15.18	15.13
2.4 GHz 802.11ac	10.64	10.74	10.60	10.72	10.63	15.22	15.14	15.18	15.22	15.19
2.4 GHz 802.11ax SU	10.58	10.57	10.56	10.60	10.41	14.88	14.93	14.84	14.80	14.94
5 GHz 802.11a	7.37	7.43	7.29	7.24	7.28	16.67	16.66	16.63	16.71	16.58
5 GHz 802.11n 20MHz	6.64	6.71	6.67	6.64	6.57	15.44	15.57	15.55	15.53	15.49
5 GHz 802.11n 40MHz	6.74	6.81	6.74	6.68	6.87	15.57	15.45	15.63	15.48	15.54
5 GHz 802.11ac 20MHz	6.75	6.81	6.70	6.66	6.74	15.83	15.93	15.92	15.95	16.01
5 GHz 802.11ac 40MHz	6.96	7.08	7.04	7.04	6.88	15.47	15.56	15.42	15.57	15.52
5 GHz 802.11ac 80MHz	7.28	7.30	7.38	7.24	7.41	14.69	14.65	14.77	14.75	14.72
5 GHz 802.11ac 160MHz	6.83	6.81	6.78	6.79	6.78	13.82	13.78	13.72	13.75	13.66
5 GHz 802.11ax SU(20M)	6.69	6.72	6.64	6.79	6.80	15.46	15.51	15.55	15.46	15.55
5 GHz 802.11ax SU(40M)	6.63	6.63	6.69	6.68	6.58	15.78	15.74	15.83	15.81	15.83
5 GHz 802.11ax SU(80M)	7.39	7.39	7.40	7.39	7.39	14.77	14.73	14.79	14.86	14.72
5 GHz 802.11ax SU(160M)	6.46	6.49	6.53	6.53	6.54	13.76	13.72	13.81	13.71	13.70
Bluetooth(DH5)	9.24	9.29	9.29	9.24	9.34	18.13	18.16	18.08	18.13	18.12

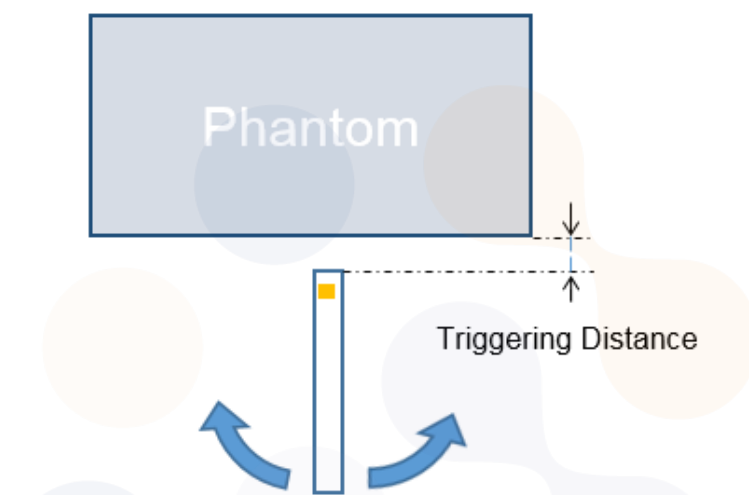
D.2 Proximity Sensor Tilt Angle Assessment

Proximity Sensor Tilt Angle Assessment (KDB 616217 §6.4)

The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with Bottom parallel to the base of the flat phantom for each band.

The EUT was rotated about Bottom for angles up to $\pm 45^\circ$. If the output power increased during the rotation the DUT was moved 1mm toward the phantom and the rotation repeated.

This procedure was repeated until the power remained reduced for all angles up to $\pm 45^\circ$.



Proximity sensor tilt angle assessment KDB 616217 §6.4

Summary of Tilt Angle Influence to Proximity Sensor Triggering (Right)

Band [MHz]	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over $\pm 45^\circ$	Power reduction status										
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
3500	11 mm	11 mm	On	On	On	On	On	On	On	On	On	On	On

Summary of Tilt Angle Influence to Proximity Sensor Triggering (Top)

Band [MHz]	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over $\pm 45^\circ$	Power reduction status										
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°
750	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On
850	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On
1750	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On
1900	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On
2300	12 mm	12 mm	On	On	On	On	On	On	On	On	On	On	On
2600	12 mm	12 mm	On	On	On	On	On	On	On	On	On	On	On
3700	12 mm	12 mm	On	On	On	On	On	On	On	On	On	On	On
2450(Ant.1)	16 mm	16 mm	On	On	On	On	On	On	On	On	On	On	On
5000(Ant.1)	16 mm	16 mm	On	On	On	On	On	On	On	On	On	On	On

Summary of Tilt Angle Influence to Proximity Sensor Triggering (Bottom)

Band [MHz]	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over +/-45°	Power reduction status											
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°	
1750	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On	
1900	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On	
2300	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On	
2600	19 mm	19 mm	On	On	On	On	On	On	On	On	On	On	On	
2450(Ant.2)	15 mm	15 mm	On	On	On	On	On	On	On	On	On	On	On	
5000(Ant.2)	15 mm	15 mm	On	On	On	On	On	On	On	On	On	On	On	

