



REPORT No.: SZ22070206S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

Conducted Power

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	15.46	15.37	15.39	16.00	15.47	15.53	15.60	16.00	22.34	22.25	22.21	23.00
3GPP Rel 6	HSDPA Subtest-1	13.48	13.66	13.68	14.50	13.65	13.87	13.79	14.50	20.13	19.94	20.06	21.00
3GPP Rel 6	HSDPA Subtest-2	13.51	13.61	13.71	14.50	13.68	13.80	13.73	14.50	20.05	19.88	20.11	21.00
3GPP Rel 6	HSDPA Subtest-3	13.12	13.26	13.24	14.50	13.19	13.31	13.34	14.50	19.63	19.63	19.54	21.00
3GPP Rel 6	HSDPA Subtest-4	13.02	13.16	13.14	14.50	13.19	13.42	13.27	14.50	19.61	19.43	19.53	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	13.64	13.70	13.71	14.50	13.75	13.88	13.89	14.50	20.16	20.10	20.13	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.66	13.67	13.73	14.50	13.68	13.90	13.88	14.50	20.18	20.11	20.14	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.11	13.18	13.21	14.50	13.18	13.43	13.36	14.50	19.66	19.60	19.68	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.12	13.16	13.19	14.50	13.17	13.37	13.39	14.50	19.66	19.58	19.67	21.00
3GPP Rel 6	HSUPA Subtest-1	13.47	13.59	13.59	14.50	13.67	13.81	13.78	14.50	20.05	20.18	19.98	21.00
3GPP Rel 6	HSUPA Subtest-2	13.03	13.11	13.20	14.50	13.15	13.36	13.33	14.50	19.61	19.57	19.50	21.00
3GPP Rel 6	HSUPA Subtest-3	13.58	13.60	13.59	14.50	13.69	13.73	13.77	14.50	20.07	20.03	19.98	21.00
3GPP Rel 6	HSUPA Subtest-4	13.46	13.57	13.62	14.50	13.63	13.77	13.80	14.50	20.06	19.93	20.00	21.00
3GPP Rel 6	HSUPA Subtest-5	13.57	13.69	13.58	14.50	13.75	13.72	13.75	14.50	20.09	19.99	20.09	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.52	13.63	13.62	14.50	13.63	13.86	13.70	14.50	20.14	20.04	20.06	21.00

LTE Band 2									
BW [MHz]		Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel					18700	18900	19100		
Frequency (MHz)					1860	1880	1900		
20	QPSK	1	0		22.29	22.38	22.34	23	
20	QPSK	1	49		22.23	22.24	22.21		
20	QPSK	1	99		22.19	22.37	22.31		
20	QPSK	50	0		21.58	21.63	21.55		
20	QPSK	50	24		21.38	21.34	21.38	22	
20	QPSK	50	50		21.37	21.39	21.34		
20	QPSK	100	0		21.42	21.39	21.25		
20	16QAM	1	0		21.63	21.24	21.63		
20	16QAM	1	49		21.10	21.44	21.39	22	
20	16QAM	1	99		21.13	21.51	20.70		
20	16QAM	50	0		21.14	21.26	21.19		
20	16QAM	50	24		21.34	21.21	21.23		
20	16QAM	50	50		21.35	21.23	21.29	22	
20	16QAM	100	0		21.30	21.23	21.10		
20	64QAM	1	0		20.40	20.15	20.48		
20	64QAM	1	49		20.16	20.21	20.30		
20	64QAM	1	99		20.20	20.54	20.60	21	
20	64QAM	50	0		20.20	20.27	20.21		
20	64QAM	50	24		20.30	20.16	20.31		
20	64QAM	50	50		20.31	20.36	20.29		
20	64QAM	100	0		20.37	20.28	20.23		
Channel					18675	18900	19125		
Frequency (MHz)					1857.5	1880	1902.5	Tune-up limit (dBm)	
15	QPSK	1	0		22.12	22.14	22.13	23	
15	QPSK	1	37		22.14	22.14	22.14		
15	QPSK	1	74		22.08	22.13	22.14		
15	QPSK	36	0		21.24	21.23	21.16		
15	QPSK	36	20		21.28	21.22	21.28	22	
15	QPSK	36	39		21.24	21.34	21.19		
15	QPSK	75	0		21.31	21.13	21.22		
15	16QAM	1	0		21.39	21.59	21.73		
15	16QAM	1	37		21.52	21.44	21.27	22	
15	16QAM	1	74		21.33	21.64	21.59		
15	16QAM	36	0		21.30	21.28	21.19		
15	16QAM	36	20		21.40	21.30	21.33		
15	16QAM	36	39		21.32	21.28	21.34	22	
15	16QAM	75	0		21.16	21.28	21.28		
15	64QAM	1	0		20.27	20.47	20.34		
15	64QAM	1	37		20.46	20.31	20.31		
15	64QAM	1	74		20.46	20.39	20.40	21	
15	64QAM	36	0		20.24	20.29	20.20		
15	64QAM	36	20		20.32	20.28	20.35		
15	64QAM	36	39		20.39	20.22	20.33		
15	64QAM	75	0		20.23	20.27	20.31		
Channel					18650	18900	19150		
Frequency (MHz)					1855	1880	1905	Tune-up limit (dBm)	
10	QPSK	1	0		21.98	21.99	21.99	23	
10	QPSK	1	25		22.03	22.08	22.07		
10	QPSK	1	49		21.91	22.06	22.15		
10	QPSK	25	0		21.20	21.07	20.98		
10	QPSK	25	12		21.21	21.19	21.13	22	
10	QPSK	25	25		21.15	21.18	21.19		
10	QPSK	50	0		21.19	21.18	21.03		
10	16QAM	1	0		21.37	21.13	21.44		
10	16QAM	1	25		21.46	21.63	21.48	22	
10	16QAM	1	49		21.63	21.31	21.40		
10	16QAM	25	0		21.43	21.36	21.28		
10	16QAM	25	12		21.35	21.41	21.42		
10	16QAM	25	25		21.38	21.42	21.39	22	
10	16QAM	50	0		21.38	21.45	21.39		
10	64QAM	1	0		20.05	20.31	20.66		
10	64QAM	1	25		20.17	20.54	20.29		
10	64QAM	1	49		20.45	20.43	20.65	21	
10	64QAM	25	0		20.39	20.11	20.23		
10	64QAM	25	12		20.24	20.27	20.18		
10	64QAM	25	25		20.37	20.23	20.28		
10	64QAM	50	0		20.33	20.19	20.25		
Channel					18625	18900	19175		
Frequency (MHz)					1852.5	1880	1907.5	Tune-up limit (dBm)	
5	QPSK	1	0		21.98	22.15	22.04	23	
5	QPSK	1	12		21.99	22.15	22.03		
5	QPSK	1	24		22.14	22.03	22.03		
5	QPSK	12	0		21.13	21.14	21.13		
5	QPSK	12	7		21.33	21.37	21.39	22	
5	QPSK	12	13		21.34	21.36	21.30		
5	QPSK	25	0		21.26	21.25	21.27		
5	16QAM	1	0		21.26	21.12	21.29		
5	16QAM	1	12		21.23	21.35	21.26	22	
5	16QAM	1	24		21.03	21.58	21.05		
5	16QAM	12	0		21.45	21.36	21.40		
5	16QAM	12	7		21.41	21.48	21.40		
5	16QAM	12	13		21.36	21.48	21.45	22	
5	16QAM	25	0		21.32	21.35	21.38		
5	64QAM	1	0		20.65	20.07	20.23		
5	64QAM	1	12		20.30	20.45	20.49		
5	64QAM	1	24		20.03	20.51	20.24	21	
5	64QAM	12	0		20.30	20.23	20.36		
5	64QAM	12	7		20.27	20.16	20.24		
5	64QAM	12	13		20.11	20.28	20.27		
5	64QAM	25	0		20.26	20.16	20.19		
Channel					18615	18900	19185		
Frequency (MHz)					1851.5	1880	1908.5	Tune-up limit (dBm)	
3	QPSK	1	0		21.86	21.72	21.77	23	
3	QPSK	1	8		21.82	21.92	21.85		
3	QPSK	1	14		21.77	21.71	21.85		
3	QPSK	8	0		21.25	21.21	21.21		
3	QPSK	8	4		21.22	21.24	21.27	22	
3	QPSK	8	7		21.19	21.22	21.20		
3	QPSK	15	0		21.24	21.16	21.22		
3	16QAM	1	0		20.91	21.22	21.39		
3	16QAM	1	8		21.39	21.42	21.41	22	
3	16QAM	1	14		21.09	21.10	21.38		
3	16QAM	8	0		21.42	21.34	21.30		
3	16QAM	8	4		21.33	21.40	21.39		
3	16QAM	8	7		21.35	21.44	21.44	22	
3	16QAM	15	0		21.43	21.25	21.16		
3	64QAM	1	0		20.19	20.23	20.56		

LTE Band 4									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.26	22.35	22.34		23	
20	QPSK	1	49	21.97	22.31	22.32			
20	QPSK	1	99	22.05	22.30	22.33			
20	QPSK	50	0	21.26	21.34	21.32			
20	QPSK	50	24	21.26	21.25	21.26		22	
20	QPSK	50	50	21.15	21.31	21.27			
20	QPSK	100	0	21.22	21.35	21.29			
20	16QAM	1	0	21.39	21.42	21.63			
20	16QAM	1	49	21.10	21.44	21.52		22	
20	16QAM	1	99	21.57	21.15	21.13			
20	16QAM	50	0	21.25	21.33	21.47			
20	16QAM	50	24	21.18	21.31	21.31			
20	16QAM	50	50	21.12	21.32	21.33		22	
20	16QAM	100	0	21.14	21.30	21.42			
20	64QAM	1	0	20.16	20.49	20.62			21
20	64QAM	1	49	20.22	20.64	20.17			
20	64QAM	1	99	20.44	20.34	20.22			
20	64QAM	50	0	20.08	20.40	20.35			
20	64QAM	50	24	20.29	20.39	20.38		21	
20	64QAM	50	50	20.29	20.25	20.20			
20	64QAM	100	0	20.30	20.25	20.38			
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.17	22.22	22.31		23	
15	QPSK	1	37	22.02	22.22	22.31			
15	QPSK	1	74	22.27	22.19	22.30			
15	QPSK	36	0	21.19	21.44	21.42			
15	QPSK	36	20	21.28	21.38	21.35		22	
15	QPSK	36	39	21.27	21.44	21.43			
15	QPSK	75	0	21.28	21.46	21.48			
15	16QAM	1	0	21.78	21.48	22.06			
15	16QAM	1	37	21.28	21.40	21.99		22	
15	16QAM	1	74	21.61	21.40	21.60			
15	16QAM	36	0	21.17	21.31	21.14			
15	16QAM	36	20	21.19	21.32	21.04			
15	16QAM	36	39	21.09	21.31	21.10		22	
15	16QAM	75	0	21.16	21.19	21.25			
15	64QAM	1	0	20.44	20.63	20.24			
15	64QAM	1	37	20.42	20.33	20.66			
15	64QAM	1	74	20.26	20.25	20.99		21	
15	64QAM	36	0	20.29	20.43	20.51			
15	64QAM	36	20	20.34	20.43	20.35			
15	64QAM	36	39	20.25	20.51	20.38			
15	64QAM	75	0	20.38	20.41	20.39			
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.12	22.16	22.22		23	
10	QPSK	1	25	21.98	22.28	22.21			
10	QPSK	1	49	22.09	22.27	22.11			
10	QPSK	25	0	21.14	21.24	21.39			
10	QPSK	25	12	21.09	21.36	21.44		22	
10	QPSK	25	25	21.21	21.42	21.42			
10	QPSK	50	0	21.19	21.36	21.27			
10	16QAM	1	0	21.60	21.67	21.46			
10	16QAM	1	25	21.42	21.66	21.50		22	
10	16QAM	1	49	21.44	21.82	21.27			
10	16QAM	25	0	21.04	21.15	21.18			
10	16QAM	25	12	21.16	21.28	21.33			
10	16QAM	25	25	21.20	21.39	21.29		22	
10	16QAM	50	0	21.13	21.35	21.45			
10	64QAM	1	0	20.32	20.41	20.76			
10	64QAM	1	25	20.54	20.57	20.46			
10	64QAM	1	49	19.92	20.54	20.79		21	
10	64QAM	25	0	20.11	20.31	20.48			
10	64QAM	25	12	20.13	20.29	20.42			
10	64QAM	25	25	20.36	20.51	20.40			
10	64QAM	50	0	20.28	20.40	20.24			
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.15	22.22	22.21		23	
5	QPSK	1	12	22.27	22.22	22.24			
5	QPSK	1	24	22.09	22.32	22.33			
5	QPSK	12	0	21.09	21.20	21.32			
5	QPSK	12	7	21.12	21.23	21.31		22	
5	QPSK	12	13	21.07	21.31	21.15			
5	QPSK	25	0	21.09	21.20	21.12			
5	16QAM	1	0	21.27	21.37	21.55			
5	16QAM	1	12	21.35	21.48	21.42		22	
5	16QAM	1	24	21.34	21.83	21.41			
5	16QAM	12	0	21.12	21.29	21.14			
5	16QAM	12	7	21.31	21.51	21.36			
5	16QAM	12	13	21.41	21.50	21.36		22	
5	16QAM	25	0	21.21	21.44	21.44			
5	64QAM	1	0	20.80	20.43	20.75			
5	64QAM	1	12	20.90	20.50	20.44			
5	64QAM	1	24	20.64	20.79	20.96		21	
5	64QAM	12	0	20.24	20.56	20.62			
5	64QAM	12	7	20.23	20.51	20.44			
5	64QAM	12	13	20.20	20.57	20.56			
5	64QAM	25	0	20.20	20.36	20.48			
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.17	22.32	22.30		23	
3	QPSK	1	8	22.30	22.31	22.29			
3	QPSK	1	14	22.26	22.25	22.24			
3	QPSK	8	0	21.15	21.51	21.50			
3	QPSK	8	4	21.12	21.48	21.49		22	
3	QPSK	8	7	21.12	21.46	21.48			
3	QPSK	15	0	21.17	21.40	21.46			
3	16QAM	1	0	21.45	21.57	21.58			
3	16QAM	1	8	21.40	21.50	21.51		22	
3	16QAM	1	14	21.50	21.30	21.24			
3	16QAM	8	0	21.17	21.55	21.56			
3	16QAM	8	4	21.08	21.54	21.55			
3	16QAM	8	7	21.21	21.53	21.53		22	
3	16QAM	15	0	21.21	21.52	21.51			
3	64QAM	1	0	21.12	21.08	21.03			

3	64QAM	1	8	20.68	20.69	20.77	21
3	64QAM	1	14	20.48	20.27	20.70	
3	64QAM	8	0	20.33	20.24	20.25	
3	64QAM	8	4	20.24	20.48	20.39	
3	64QAM	8	7	20.37	20.49	20.26	
3	64QAM	15	0	20.30	20.36	20.25	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.17	22.20	22.19	23
1.4	QPSK	1	3	22.16	22.20	22.17	
1.4	QPSK	1	5	22.13	22.17	22.13	
1.4	QPSK	3	0	22.17	22.14	22.11	
1.4	QPSK	3	1	22.21	21.70	22.13	
1.4	QPSK	3	3	22.13	22.15	22.12	
1.4	QPSK	6	0	21.16	21.14	20.99	22
1.4	16QAM	1	0	20.97	21.17	21.43	22
1.4	16QAM	1	3	21.23	21.41	21.09	
1.4	16QAM	1	5	21.20	21.26	21.03	
1.4	16QAM	3	0	21.02	21.09	21.21	
1.4	16QAM	3	1	21.14	21.13	21.15	
1.4	16QAM	3	3	21.05	21.01	21.13	
1.4	16QAM	6	0	21.07	21.27	21.09	22
1.4	64QAM	1	0	20.13	20.81	20.14	21
1.4	64QAM	1	3	20.14	20.21	20.41	
1.4	64QAM	1	5	20.74	20.01	20.63	
1.4	64QAM	3	0	20.34	20.18	20.12	
1.4	64QAM	3	1	20.02	20.05	20.13	
1.4	64QAM	3	3	20.24	20.28	20.14	
1.4	64QAM	6	0	20.21	20.22	20.02	21

3	64QAM	1	8	20.80	20.93	20.95	21
3	64QAM	1	14	20.65	20.65	20.66	
3	64QAM	8	0	20.43	20.51	20.53	
3	64QAM	8	4	20.49	20.50	20.49	
3	64QAM	8	7	20.52	20.51	20.50	
3	64QAM	15	0	20.53	20.67	20.61	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.11	22.22	22.32	23
1.4	QPSK	1	3	22.10	22.25	22.21	
1.4	QPSK	1	5	22.05	22.09	22.07	
1.4	QPSK	3	0	22.20	22.07	22.06	
1.4	QPSK	3	1	22.02	22.04	22.03	
1.4	QPSK	3	3	22.20	22.20	22.12	
1.4	QPSK	6	0	21.25	21.67	21.62	22
1.4	16QAM	1	0	21.59	21.49	21.45	22
1.4	16QAM	1	3	21.33	21.47	21.44	
1.4	16QAM	1	5	21.50	21.46	21.39	
1.4	16QAM	3	0	21.01	21.36	21.33	
1.4	16QAM	3	1	21.25	21.30	21.26	
1.4	16QAM	3	3	21.19	21.20	21.19	
1.4	16QAM	6	0	21.17	21.52	21.54	22
1.4	64QAM	1	0	20.98	20.87	20.97	21
1.4	64QAM	1	3	20.59	20.81	20.85	
1.4	64QAM	1	5	20.37	20.77	20.81	
1.4	64QAM	3	0	20.50	20.69	20.80	
1.4	64QAM	3	1	20.31	20.65	20.77	
1.4	64QAM	3	3	20.27	20.63	20.74	
1.4	64QAM	6	0	20.37	20.63	20.73	21

LTE Band 5									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.56	22.57	22.55	23		
10	QPSK	1	25	22.48	22.52	22.47			
10	QPSK	1	49	22.56	22.49	22.37			
10	QPSK	25	0	21.49	21.60	21.57			
10	QPSK	25	12	21.57	21.58	21.53	22		
10	QPSK	25	25	21.48	21.44	21.46			
10	QPSK	50	0	21.34	21.35	21.40			
10	16QAM	1	0	21.37	21.23	21.49			
10	16QAM	1	25	21.29	21.46	21.50	22		
10	16QAM	1	49	21.41	21.69	21.32			
10	16QAM	25	0	20.43	20.28	20.41			
10	16QAM	25	12	20.39	20.49	20.43			
10	16QAM	25	25	20.45	20.43	20.47	21		
10	16QAM	50	0	20.52	20.46	20.43			
10	64QAM	1	0	20.53	20.18	20.41			
10	64QAM	1	25	20.11	20.38	20.32			
10	64QAM	1	49	20.25	20.60	19.81	21		
10	64QAM	25	0	20.17	20.24	20.19			
10	64QAM	25	12	20.23	20.27	20.21			
10	64QAM	25	25	20.42	20.10	20.12			
10	64QAM	50	0	20.17	20.16	20.03	21		
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.20	22.42	22.38	23		
5	QPSK	1	12	22.10	22.34	22.37			
5	QPSK	1	24	22.18	22.27	22.37			
5	QPSK	12	0	21.34	21.35	21.44			
5	QPSK	12	7	21.30	21.38	21.39	22		
5	QPSK	12	13	21.17	21.30	21.33			
5	QPSK	25	0	21.03	21.15	21.14			
5	16QAM	1	0	21.65	21.35	21.16			
5	16QAM	1	12	21.37	21.42	21.67	22		
5	16QAM	1	24	21.30	21.41	21.55			
5	16QAM	12	0	20.52	20.37	20.63			
5	16QAM	12	7	20.32	20.41	20.47			
5	16QAM	12	13	20.33	20.35	20.55	21		
5	16QAM	25	0	20.38	20.39	20.49			
5	64QAM	1	0	20.19	20.14	20.43			
5	64QAM	1	12	20.14	20.12	20.43			
5	64QAM	1	24	20.10	20.09	20.43	21		
5	64QAM	12	0	20.06	20.13	20.37			
5	64QAM	12	7	20.24	20.00	20.35			
5	64QAM	12	13	20.10	20.03	20.14			
5	64QAM	25	0	20.24	20.03	20.28	21		
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.39	22.41	22.37	23		
3	QPSK	1	8	22.28	22.30	22.35			
3	QPSK	1	14	22.27	22.27	22.28			
3	QPSK	8	0	21.49	21.35	21.53			
3	QPSK	8	4	21.53	21.38	21.56	22		
3	QPSK	8	7	21.47	21.30	21.54			
3	QPSK	15	0	21.46	21.36	21.53			
3	16QAM	1	0	21.55	21.56	21.72			
3	16QAM	1	8	21.22	21.63	21.69	22		
3	16QAM	1	14	21.48	21.45	21.57			
3	16QAM	8	0	20.48	20.16	20.47			
3	16QAM	8	4	20.39	20.41	20.48			
3	16QAM	8	7	20.44	20.35	20.49	21		
3	16QAM	15	0	20.62	20.60	20.65			
3	64QAM	1	0	20.37	20.35	20.20			
3	64QAM	1	8	20.42	20.21	20.44			
3	64QAM	1	14	20.32	20.04	20.35	21		
3	64QAM	8	0	20.24	20.34	20.24			
3	64QAM	8	4	20.09	20.21	20.25			
3	64QAM	8	7	20.34	20.24	20.24			
3	64QAM	15	0	20.10	20.24	20.24	21		
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.32	22.45	22.35	23		
1.4	QPSK	1	3	22.44	22.33	22.34			
1.4	QPSK	1	5	22.27	22.29	22.26			
1.4	QPSK	3	0	22.37	22.27	22.29			
1.4	QPSK	3	1	22.43	22.24	22.41	22		
1.4	QPSK	3	3	22.38	22.19	22.37			
1.4	QPSK	6	0	21.46	21.37	21.39			
1.4	16QAM	1	0	21.24	21.28	21.42			
1.4	16QAM	1	3	21.26	21.27	21.26	22		
1.4	16QAM	1	5	21.50	21.51	21.51			
1.4	16QAM	3	0	21.33	21.41	21.39			
1.4	16QAM	3	1	21.37	21.38	21.36			
1.4	16QAM	3	3	21.49	21.50	21.48	21		
1.4	16QAM	6	0	20.22	20.22	20.26			
1.4	64QAM	1	0	20.43	20.18	20.35			
1.4	64QAM	1	3	20.20	20.16	20.17			
1.4	64QAM	1	5	20.50	20.15	20.20	21		
1.4	64QAM	3	0	20.19	20.11	20.15			
1.4	64QAM	3	1	20.28	20.12	20.22			
1.4	64QAM	3	3	20.22	20.13	20.20			
1.4	64QAM	6	0	20.30	20.13	20.19	21		

LTE Band 12								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.56	22.63	22.55	23	
10	QPSK	1	25	22.29	22.40	22.36		
10	QPSK	1	49	22.27	22.28	22.27		
10	QPSK	25	0	21.59	21.66	21.48		
10	QPSK	25	12	21.56	21.36	21.30	22	
10	QPSK	25	25	21.51	21.31	21.39		
10	QPSK	50	0	21.40	21.42	21.43		
10	16QAM	1	0	21.59	21.17	21.62		
10	16QAM	1	25	21.73	21.79	21.69	22	
10	16QAM	1	49	21.84	21.48	21.73		
10	16QAM	25	0	20.48	20.47	20.48		
10	16QAM	25	12	20.62	20.36	20.41		
10	16QAM	25	25	20.66	20.38	20.52	21	
10	16QAM	50	0	20.47	20.42	20.47		
10	64QAM	1	0	20.05	20.08	20.03		
10	64QAM	1	25	20.16	20.17	20.29		
10	64QAM	1	49	20.43	20.53	20.28	21	
10	64QAM	25	0	20.35	20.33	20.27		
10	64QAM	25	12	20.30	20.22	20.26		
10	64QAM	25	25	20.30	20.36	20.13		
10	64QAM	50	0	20.30	20.30	20.17		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.51	22.74	22.61	23	
5	QPSK	1	12	22.63	22.67	22.54		
5	QPSK	1	24	22.72	22.51	22.48		
5	QPSK	12	0	21.50	21.37	21.33		
5	QPSK	12	7	21.23	21.37	21.29	22	
5	QPSK	12	13	21.27	21.31	21.35		
5	QPSK	25	0	21.29	21.42	21.28		
5	16QAM	1	0	21.55	21.09	21.40		
5	16QAM	1	12	21.38	21.64	21.40	22	
5	16QAM	1	24	21.46	21.49	21.07		
5	16QAM	12	0	20.51	20.46	20.45		
5	16QAM	12	7	20.65	20.47	20.43		
5	16QAM	12	13	20.46	20.45	20.31	21	
5	16QAM	25	0	20.40	20.34	20.29		
5	64QAM	1	0	20.47	20.02	20.35		
5	64QAM	1	12	20.26	20.13	20.25		
5	64QAM	1	24	20.44	20.06	20.48	21	
5	64QAM	12	0	20.11	20.12	20.38		
5	64QAM	12	7	20.26	20.04	20.13		
5	64QAM	12	13	20.04	20.10	20.11		
5	64QAM	25	0	20.16	20.04	20.23		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.56	22.73	22.63	23	
3	QPSK	1	8	22.68	22.69	22.64		
3	QPSK	1	14	22.67	22.64	22.65		
3	QPSK	8	0	21.23	21.38	21.36		
3	QPSK	8	4	21.27	21.37	21.31	22	
3	QPSK	8	7	21.20	21.36	21.25		
3	QPSK	15	0	21.25	21.34	21.23		
3	16QAM	1	0	21.47	21.90	21.80		
3	16QAM	1	8	21.52	21.53	21.51	22	
3	16QAM	1	14	21.51	21.50	21.52		
3	16QAM	8	0	20.42	20.45	20.43		
3	16QAM	8	4	20.32	20.34	20.31		
3	16QAM	8	7	20.18	20.21	20.19	21	
3	16QAM	15	0	20.32	20.42	20.22		
3	64QAM	1	0	20.00	20.14	20.11		
3	64QAM	1	8	20.53	20.54	20.56		
3	64QAM	1	14	20.30	20.31	20.32	21	
3	64QAM	8	0	20.22	20.25	20.26		
3	64QAM	8	4	20.41	20.60	20.44		
3	64QAM	8	7	20.37	20.59	20.43		
3	64QAM	15	0	20.30	20.58	20.41		
Channel				23017	23095	23173		
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.09	22.53	22.43	23	
1.4	QPSK	1	3	22.21	22.23	22.24		
1.4	QPSK	1	5	22.07	22.09	22.08		
1.4	QPSK	3	0	22.14	22.16	22.15		
1.4	QPSK	3	1	22.21	22.23	22.21	22	
1.4	QPSK	3	3	22.17	22.18	22.19		
1.4	QPSK	6	0	21.01	21.47	21.41		
1.4	16QAM	1	0	21.34	21.46	21.45		
1.4	16QAM	1	3	21.53	21.54	21.56	22	
1.4	16QAM	1	5	21.20	21.23	21.24		
1.4	16QAM	3	0	21.29	21.30	21.30		
1.4	16QAM	3	1	21.30	21.34	21.32		
1.4	16QAM	3	3	21.43	21.42	21.40	21	
1.4	16QAM	6	0	20.27	20.70	20.65		
1.4	64QAM	1	0	20.19	20.74	20.73		
1.4	64QAM	1	3	20.33	20.35	20.34		
1.4	64QAM	1	5	20.21	20.26	20.33	21	
1.4	64QAM	3	0	20.30	20.29	20.31		
1.4	64QAM	3	1	20.31	20.41	20.45		
1.4	64QAM	3	3	20.40	20.38	20.43		
1.4	64QAM	6	0	20.22	20.35	20.42	21	

LTE Band 13

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0	22.44			23
10	QPSK	1	25	22.31			
10	QPSK	1	49	22.37			
10	QPSK	25	0	21.66			
10	QPSK	25	12	21.41			22
10	QPSK	25	25	21.51			
10	QPSK	50	0	21.48			
10	16QAM	1	0	21.38			
10	16QAM	1	25	21.36			22
10	16QAM	1	49	21.25			
10	16QAM	25	0	20.24			
10	16QAM	25	12	20.27			
10	16QAM	25	25	20.26			21
10	16QAM	50	0	20.33			
10	64QAM	1	0	20.35			
10	64QAM	1	25	20.42			
10	64QAM	1	49	22.24			21
10	64QAM	25	0	22.22			
10	64QAM	25	12	20.32			
10	64QAM	25	25	20.28			
10	64QAM	50	0	20.31			
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	22.26	22.23	22.24	23
5	QPSK	1	12	22.13	22.11	22.16	
5	QPSK	1	24	22.28	22.21	22.32	
5	QPSK	12	0	21.34	21.35	21.47	
5	QPSK	12	7	21.45	21.47	21.52	22
5	QPSK	12	13	21.49	21.53	21.59	
5	QPSK	25	0	21.29	21.41	21.51	
5	16QAM	1	0	21.37	21.67	21.51	
5	16QAM	1	12	21.53	21.55	21.67	22
5	16QAM	1	24	22.02	21.57	22.01	
5	16QAM	12	0	20.22	20.23	20.36	
5	16QAM	12	7	20.22	20.30	20.38	
5	16QAM	12	13	20.25	20.24	20.48	21
5	16QAM	25	0	20.24	20.11	20.35	
5	64QAM	1	0	20.43	20.45	20.52	
5	64QAM	1	12	20.04	20.32	20.62	
5	64QAM	1	24	20.33	20.46	20.29	21
5	64QAM	12	0	20.08	20.12	20.20	
5	64QAM	12	7	20.16	20.23	20.35	
5	64QAM	12	13	20.27	20.40	20.42	
5	64QAM	25	0	20.29	20.20	20.33	

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.31	23.41	23.35	24
10	QPSK	1	25	23.29	23.26	23.24	
10	QPSK	1	49	23.37	23.40	23.33	
10	QPSK	25	0	22.46	22.49	22.38	23
10	QPSK	25	12	22.43	22.38	22.32	
10	QPSK	25	25	22.46	22.43	22.34	
10	QPSK	50	0	22.47	22.48	22.41	23
10	16QAM	1	0	22.51	22.59	22.53	
10	16QAM	1	25	22.42	22.47	22.41	
10	16QAM	1	49	22.38	22.57	22.32	23
10	16QAM	25	0	22.22	22.25	22.20	
10	16QAM	25	12	22.16	22.24	22.27	
10	16QAM	25	25	22.09	22.03	22.15	23
10	16QAM	50	0	22.25	22.32	22.30	
10	64QAM	1	0	22.09	22.32	22.26	
10	64QAM	1	25	22.08	22.10	22.07	23
10	64QAM	1	49	21.98	21.91	21.86	
10	64QAM	25	0	22.17	22.10	22.11	
10	64QAM	25	12	22.12	22.13	22.18	23
10	64QAM	25	25	22.19	22.20	22.13	
10	64QAM	50	0	22.04	22.12	22.08	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.22	23.40	23.28	24
5	QPSK	1	12	23.27	23.23	23.21	
5	QPSK	1	24	23.28	23.34	23.28	
5	QPSK	12	0	22.40	22.41	22.28	23
5	QPSK	12	7	22.37	22.31	22.27	
5	QPSK	12	13	22.39	22.40	22.28	
5	QPSK	25	0	22.42	22.43	22.35	23
5	16QAM	1	0	22.48	22.58	22.44	
5	16QAM	1	12	22.34	22.38	22.31	
5	16QAM	1	24	22.32	22.55	22.31	23
5	16QAM	12	0	22.14	22.19	22.17	
5	16QAM	12	7	22.15	22.23	22.26	
5	16QAM	12	13	22.00	21.98	22.11	23
5	16QAM	25	0	22.16	22.25	22.21	
5	64QAM	1	0	22.07	22.24	22.25	
5	64QAM	1	12	22.04	22.02	22.04	23
5	64QAM	1	24	21.94	21.90	21.78	
5	64QAM	12	0	22.16	22.04	22.08	
5	64QAM	12	7	22.10	22.12	22.13	23
5	64QAM	12	13	22.17	22.18	22.03	
5	64QAM	25	0	21.99	22.11	22.00	

LTE Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.09	15.33	15.25	16
20	QPSK	1	49	15.07	15.31	15.06	
20	QPSK	1	99	15.01	15.30	14.97	
20	QPSK	50	0	14.28	14.57	14.39	15
20	QPSK	50	24	14.47	14.42	14.37	
20	QPSK	50	50	14.38	14.52	14.21	
20	QPSK	100	0	14.44	14.40	14.44	15
20	16QAM	1	0	14.36	14.69	14.65	
20	16QAM	1	49	14.17	14.13	14.39	
20	16QAM	1	99	14.50	14.47	14.28	15
20	16QAM	50	0	14.18	14.45	14.34	
20	16QAM	50	24	14.41	14.40	14.42	
20	16QAM	50	50	14.43	14.42	14.23	14
20	16QAM	100	0	14.54	14.60	14.56	
20	64QAM	1	0	13.08	13.51	13.21	
20	64QAM	1	49	13.59	13.29	13.18	14
20	64QAM	1	99	13.56	13.30	13.21	
20	64QAM	50	0	13.19	13.31	13.11	
20	64QAM	50	24	13.15	13.29	13.14	14
20	64QAM	50	50	13.16	13.14	13.09	
20	64QAM	100	0	13.10	13.19	13.06	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.10	15.25	15.07	16
15	QPSK	1	37	15.16	15.24	15.05	
15	QPSK	1	74	15.19	15.24	15.00	
15	QPSK	36	0	14.01	14.30	14.14	15
15	QPSK	36	20	14.14	14.20	14.17	
15	QPSK	36	39	14.15	14.30	13.99	
15	QPSK	75	0	14.03	14.25	14.16	15
15	16QAM	1	0	14.32	14.40	14.21	
15	16QAM	1	37	14.46	14.15	14.22	
15	16QAM	1	74	14.38	14.76	14.34	15
15	16QAM	36	0	14.11	14.36	14.34	
15	16QAM	36	20	14.27	14.49	14.30	
15	16QAM	36	39	14.29	14.39	14.11	14
15	16QAM	75	0	14.29	14.43	14.26	
15	64QAM	1	0	12.89	13.11	13.19	
15	64QAM	1	37	13.47	13.57	13.42	14
15	64QAM	1	74	13.28	13.42	13.11	
15	64QAM	36	0	13.08	13.17	13.17	
15	64QAM	36	20	13.13	13.20	13.10	14
15	64QAM	36	39	13.03	13.21	13.05	
15	64QAM	75	0	13.04	13.25	13.03	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.19	15.19	15.08	16
10	QPSK	1	25	15.01	15.20	14.90	
10	QPSK	1	49	14.90	14.94	15.01	
10	QPSK	25	0	14.03	14.09	14.08	15
10	QPSK	25	12	13.98	14.16	13.97	
10	QPSK	25	25	13.96	14.11	14.03	
10	QPSK	50	0	14.05	14.17	14.03	15
10	16QAM	1	0	14.25	14.32	14.39	
10	16QAM	1	25	14.20	14.43	14.22	
10	16QAM	1	49	14.15	14.29	14.15	15
10	16QAM	25	0	14.07	14.24	14.10	
10	16QAM	25	12	14.29	14.35	14.23	
10	16QAM	25	25	14.14	14.27	14.11	14
10	16QAM	50	0	14.06	14.29	14.08	
10	64QAM	1	0	13.38	13.51	13.44	
10	64QAM	1	25	13.32	13.67	13.27	14
10	64QAM	1	49	13.69	13.55	13.41	
10	64QAM	25	0	13.44	13.52	13.35	
10	64QAM	25	12	13.41	13.59	13.41	14
10	64QAM	25	25	13.33	13.38	13.39	
10	64QAM	50	0	13.28	13.56	13.22	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.04	15.27	15.12	16
5	QPSK	1	12	15.05	15.26	15.11	
5	QPSK	1	24	15.08	15.26	15.10	
5	QPSK	12	0	14.33	14.37	14.20	15
5	QPSK	12	7	14.41	14.37	14.21	
5	QPSK	12	13	14.36	14.37	14.21	
5	QPSK	25	0	14.40	14.34	14.21	15
5	16QAM	1	0	14.21	14.33	14.30	
5	16QAM	1	12	14.19	14.38	14.18	
5	16QAM	1	24	14.33	14.04	14.51	15
5	16QAM	12	0	14.37	14.43	14.12	
5	16QAM	12	7	14.42	14.26	14.31	
5	16QAM	12	13	14.44	14.30	14.09	14
5	16QAM	25	0	14.37	14.33	14.25	
5	64QAM	1	0	13.33	13.70	13.40	
5	64QAM	1	12	13.11	13.35	13.45	14
5	64QAM	1	24	13.40	13.42	13.32	
5	64QAM	12	0	13.13	13.16	13.10	
5	64QAM	12	7	13.20	13.16	13.19	15
5	64QAM	12	13	13.11	12.99	13.22	
5	64QAM	25	0	13.13	13.10	13.19	
Channel				131987	132322	132697	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.19	15.19	15.17	16
3	QPSK	1	8	15.12	15.13	15.11	
3	QPSK	1	14	14.97	15.00	14.98	
3	QPSK	8	0	14.41	14.42	14.37	15
3	QPSK	8	4	14.40	14.43	14.39	
3	QPSK	8	7	14.42	14.41	14.40	
3	QPSK	15	0	14.36	14.37	14.36	15
3	16QAM	1	0	14.36	14.35	14.36	
3	16QAM	1	8	14.06	14.43	14.42	
3	16QAM	1	14	14.64	14.42	14.41	15
3	16QAM	8	0	14.45	14.25	14.24	
3	16QAM	8	4	14.34	14.15	14.16	
3	16QAM	8	7	14.42	14.20	14.19	15
3	16QAM	15	0	14.30	14.12	14.08	
3	64QAM	1	0	13.20	14.30	14.28	

3	64QAM	1	8	13.08	14.24	14.20	14
3	64QAM	1	14	13.17	14.16	14.17	
3	64QAM	8	0	13.36	13.33	13.33	
3	64QAM	8	4	13.42	13.41	13.40	
3	64QAM	8	7	13.37	13.36	13.38	14
3	64QAM	15	0	13.28	13.29	13.30	
Channel				13197.9	13232.2	13266.5	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.81	15.25	15.13	16
1.4	QPSK	1	3	15.01	15.24	15.16	
1.4	QPSK	1	5	14.95	15.23	15.14	
1.4	QPSK	3	0	14.90	15.18	15.12	
1.4	QPSK	3	1	14.95	15.19	15.11	
1.4	QPSK	3	3	14.93	15.16	15.12	
1.4	QPSK	6	0	14.19	14.51	14.21	15
1.4	16QAM	1	0	14.17	14.53	14.47	15
1.4	16QAM	1	3	14.41	14.42	14.40	
1.4	16QAM	1	5	14.11	14.37	14.13	
1.4	16QAM	3	0	14.11	14.34	14.12	
1.4	16QAM	3	1	14.26	14.25	14.07	
1.4	16QAM	3	3	14.28	14.37	14.06	
1.4	16QAM	6	0	14.53	14.68	14.52	15
1.4	64QAM	1	0	13.21	13.41	13.52	14
1.4	64QAM	1	3	13.38	13.31	13.46	
1.4	64QAM	1	5	13.66	13.46	13.42	
1.4	64QAM	3	0	13.33	13.14	13.21	
1.4	64QAM	3	1	13.42	13.09	13.13	
1.4	64QAM	3	3	13.53	13.41	13.42	
1.4	64QAM	6	0	13.24	13.08	12.75	14

Band 71

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	23.42	23.48	23.35	24
20	QPSK	1	49	23.37	23.44	23.33	
20	QPSK	1	99	23.34	23.41	23.28	
20	QPSK	50	0	22.31	22.42	22.26	23
20	QPSK	50	24	22.35	22.40	22.29	
20	QPSK	50	50	22.28	22.39	22.25	
20	QPSK	100	0	22.33	22.41	22.31	23
20	16QAM	1	0	22.40	22.44	22.29	
20	16QAM	1	49	22.34	22.39	22.31	
20	16QAM	1	99	22.26	22.42	22.24	22
20	16QAM	50	0	21.26	21.40	21.24	
20	16QAM	50	24	21.34	21.40	21.22	
20	16QAM	50	50	21.23	21.38	21.20	22
20	16QAM	100	0	21.32	21.35	21.28	
20	64QAM	1	0	21.39	21.43	21.29	
20	64QAM	1	49	21.33	21.37	21.34	22
20	64QAM	1	99	21.28	21.33	21.23	
20	64QAM	50	0	20.26	20.42	20.23	
20	64QAM	50	24	20.34	20.32	20.21	21
20	64QAM	50	50	20.28	20.40	20.18	
20	64QAM	100	0	20.32	20.35	20.32	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.34	23.44	23.25	24
15	QPSK	1	37	23.32	23.34	23.27	
15	QPSK	1	74	23.33	23.37	23.18	
15	QPSK	36	0	22.24	22.41	22.25	23
15	QPSK	36	20	22.26	22.38	22.26	
15	QPSK	36	39	22.19	22.34	22.16	
15	QPSK	75	0	22.30	22.34	22.21	23
15	16QAM	1	0	22.37	22.42	22.25	
15	16QAM	1	37	22.27	22.31	22.27	
15	16QAM	1	74	22.24	22.36	22.16	22
15	16QAM	36	0	21.16	21.32	21.15	
15	16QAM	36	20	21.28	21.37	21.14	
15	16QAM	36	39	21.14	21.30	21.10	22
15	16QAM	75	0	21.29	21.25	21.23	
15	64QAM	1	0	21.35	21.36	21.25	
15	64QAM	1	37	21.29	21.36	21.24	22
15	64QAM	1	74	21.22	21.25	21.21	
15	64QAM	36	0	20.24	20.35	20.17	
15	64QAM	36	20	20.27	20.29	20.18	21
15	64QAM	36	39	20.24	20.31	20.11	
15	64QAM	75	0	20.23	20.34	20.26	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	23.36	23.47	23.25	24
10	QPSK	1	25	23.31	23.38	23.29	
10	QPSK	1	49	23.33	23.34	23.18	
10	QPSK	25	0	22.27	22.39	22.17	23
10	QPSK	25	12	22.30	22.38	22.27	
10	QPSK	25	25	22.20	22.33	22.23	
10	QPSK	50	0	22.25	22.36	22.25	23
10	16QAM	1	0	22.34	22.42	22.28	
10	16QAM	1	25	22.28	22.35	22.23	
10	16QAM	1	49	22.23	22.39	22.17	22
10	16QAM	25	0	21.24	21.31	21.22	
10	16QAM	25	12	21.29	21.34	21.17	
10	16QAM	25	25	21.19	21.30	21.19	22
10	16QAM	50	0	21.29	21.30	21.22	
10	64QAM	1	0	21.35	21.40	21.23	
10	64QAM	1	25	21.26	21.32	21.24	22
10	64QAM	1	49	21.20	21.30	21.20	
10	64QAM	25	0	20.20	20.32	20.14	
10	64QAM	25	12	20.30	20.31	20.18	21
10	64QAM	25	25	20.22	20.36	20.14	
10	64QAM	50	0	20.22	20.33	20.29	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	23.38	23.40	23.28	24
5	QPSK	1	12	23.36	23.43	23.24	
5	QPSK	1	24	23.28	23.36	23.25	
5	QPSK	12	0	22.30	22.36	22.21	23
5	QPSK	12	7	22.34	22.32	22.23	
5	QPSK	12	13	22.27	22.36	22.20	
5	QPSK	25	0	22.32	22.37	22.23	23
5	16QAM	1	0	22.30	22.36	22.27	
5	16QAM	1	12	22.30	22.30	22.23	
5	16QAM	1	24	22.23	22.34	22.18	22
5	16QAM	12	0	21.20	21.32	21.21	
5	16QAM	12	7	21.26	21.30	21.13	
5	16QAM	12	13	21.22	21.29	21.18	22
5	16QAM	25	0	21.30	21.33	21.23	
5	64QAM	1	0	21.38	21.34	21.27	
5	64QAM	1	12	21.23	21.27	21.33	22
5	64QAM	1	24	21.27	21.25	21.15	
5	64QAM	12	0	20.25	20.38	20.22	
5	64QAM	12	7	20.31	20.26	20.12	21
5	64QAM	12	13	20.21	20.37	20.17	
5	64QAM	25	0	20.23	20.28	20.28	

Band 41 (2496~2690MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.98	23.09	23.24	23.11	22.91	24
20	QPSK	1	49	22.96	23.07	23.21	23.11	22.87	
20	QPSK	1	99	22.96	23.03	23.20	23.12	22.85	
20	QPSK	50	0	21.97	22.07	22.28	22.15	22.01	23
20	QPSK	50	24	21.89	22.02	22.20	22.11	21.94	
20	QPSK	50	50	21.89	22.07	22.28	22.16	21.94	
20	QPSK	100	0	21.96	22.08	22.24	22.15	21.93	23
20	16QAM	1	0	21.95	22.08	22.19	22.12	21.83	
20	16QAM	1	49	21.96	22.02	22.17	22.05	21.82	
20	16QAM	1	99	21.97	22.00	22.18	22.05	21.77	22
20	16QAM	50	0	20.96	21.02	21.24	21.08	20.93	
20	16QAM	50	24	20.89	20.96	21.13	21.04	20.94	
20	16QAM	50	50	20.87	21.04	21.28	21.12	20.89	22
20	16QAM	100	0	20.90	21.02	21.20	21.17	20.95	
20	64QAM	1	0	20.97	21.10	21.17	21.09	20.92	
20	64QAM	1	49	20.92	21.04	21.14	21.06	20.87	22
20	64QAM	1	99	20.95	21.01	21.13	21.12	20.80	
20	64QAM	50	0	19.96	19.99	20.23	20.12	20.01	
20	64QAM	50	24	19.90	19.98	20.14	20.11	19.91	21
20	64QAM	50	50	19.82	20.00	20.21	20.15	19.87	
20	64QAM	100	0	19.88	20.07	20.24	20.17	19.95	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.90	23.05	23.20	23.05	22.89	24
15	QPSK	1	37	22.89	22.99	23.18	23.04	22.85	
15	QPSK	1	74	22.92	22.98	23.18	23.09	22.81	
15	QPSK	36	0	21.92	21.98	22.24	22.07	21.93	23
15	QPSK	36	20	21.87	22.01	22.10	22.06	21.90	
15	QPSK	36	39	21.81	22.02	22.23	22.15	21.92	
15	QPSK	75	0	21.86	21.98	22.23	22.07	21.85	23
15	16QAM	1	0	21.85	22.02	22.11	22.10	21.79	
15	16QAM	1	37	21.95	22.00	22.14	22.02	21.75	
15	16QAM	1	74	21.87	21.93	22.08	22.00	21.74	22
15	16QAM	36	0	20.86	21.00	21.14	20.98	20.85	
15	16QAM	36	20	20.86	20.93	21.09	21.00	20.89	
15	16QAM	36	39	20.84	20.95	21.18	21.05	20.81	22
15	16QAM	75	0	20.85	21.01	21.19	21.15	20.89	
15	64QAM	1	0	20.90	21.01	21.14	21.08	20.82	
15	64QAM	1	37	20.88	20.95	21.07	21.03	20.84	22
15	64QAM	1	74	20.94	21.00	21.12	21.07	20.76	
15	64QAM	36	0	19.92	19.95	20.16	20.04	19.99	21
15	64QAM	36	20	19.88	19.95	20.05	20.09	19.87	
15	64QAM	36	39	19.74	19.94	20.18	20.12	19.85	
15	64QAM	75	0	19.79	20.06	20.17	20.10	19.85	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)
10	QPSK	1	0	22.88	23.05	23.20	23.05	22.81	
10	QPSK	1	25	22.94	22.97	23.19	23.04	22.81	24
10	QPSK	1	49	22.90	23.01	23.19	23.11	22.80	
10	QPSK	25	0	21.96	21.97	22.18	22.14	21.97	23
10	QPSK	25	12	21.82	21.98	22.14	22.09	21.86	
10	QPSK	25	25	21.85	22.04	22.26	22.13	21.85	
10	QPSK	50	0	21.95	22.03	22.18	22.11	21.90	23
10	16QAM	1	0	21.91	22.03	22.15	22.10	21.82	
10	16QAM	1	25	21.95	21.97	22.15	21.98	21.81	
10	16QAM	1	49	21.96	21.91	22.13	22.03	21.76	22
10	16QAM	25	0	20.90	20.95	21.16	21.03	20.90	
10	16QAM	25	12	20.87	20.94	21.03	20.97	20.92	
10	16QAM	25	25	20.80	20.94	21.19	21.10	20.84	22
10	16QAM	50	0	20.80	20.99	21.19	21.10	20.87	
10	64QAM	1	0	20.95	21.06	21.12	21.02	20.89	
10	64QAM	1	25	20.90	21.02	21.04	21.02	20.82	22
10	64QAM	1	49	20.93	20.98	21.07	21.07	20.75	
10	64QAM	25	0	19.91	19.92	20.20	20.09	19.97	21
10	64QAM	25	12	19.85	19.91	20.07	20.08	19.87	
10	64QAM	25	25	19.74	19.93	20.12	20.08	19.80	
10	64QAM	50	0	19.79	20.02	20.19	20.16	19.92	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)
5	QPSK	1	0	22.97	23.02	23.14	23.05	22.84	
5	QPSK	1	12	22.89	22.97	23.11	23.10	22.77	24
5	QPSK	1	24	22.86	23.00	23.19	23.08	22.84	
5	QPSK	12	0	21.89	21.97	22.26	22.11	21.99	23
5	QPSK	12	7	21.81	21.95	22.16	22.06	21.88	
5	QPSK	12	13	21.86	22.05	22.19	22.11	21.84	
5	QPSK	25	0	21.91	22.00	22.16	22.05	21.89	23
5	16QAM	1	0	21.91	21.99	22.17	22.11	21.75	
5	16QAM	1	12	21.89	22.01	22.13	21.95	21.77	
5	16QAM	1	24	21.87	21.91	22.08	22.03	21.71	22
5	16QAM	12	0	20.88	21.00	21.16	21.02	20.85	
5	16QAM	12	7	20.82	20.89	21.09	21.00	20.89	
5	16QAM	12	13	20.82	21.02	21.27	21.06	20.85	22
5	16QAM	25	0	20.87	21.00	21.18	21.07	20.86	
5	64QAM	1	0	20.96	21.07	21.12	21.06	20.85	
5	64QAM	1	12	20.91	21.02	21.05	21.01	20.77	22
5	64QAM	1	24	20.87	20.92	21.08	21.10	20.77	
5	64QAM	12	0	19.90	19.96	20.16	20.08	19.98	21
5	64QAM	12	7	19.88	19.97	20.06	20.08	19.81	
5	64QAM	12	13	19.78	19.91	20.17	20.11	19.77	
5	64QAM	25	0	19.82	20.06	20.18	20.16	19.87	Tune-up limit (dBm)
Channel				39650	40125	40600	41075	41550	

LTE Band 48

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				56340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.57	23.58	23.56	23.57	23.61	24
20	QPSK	1	49	23.34	23.44	23.53	23.53	23.54	
20	QPSK	1	99	23.27	23.38	23.54	23.49	23.59	
20	QPSK	50	0	22.47	22.44	22.69	22.66	22.71	23
20	QPSK	50	24	22.53	22.44	22.54	22.47	22.44	
20	QPSK	50	50	22.48	22.47	22.68	22.48	22.47	
20	QPSK	100	0	22.47	22.44	22.47	22.54	22.48	23
20	16QAM	1	0	22.44	22.48	22.64	22.47	22.54	
20	16QAM	1	49	22.48	22.47	22.52	22.47	22.42	
20	16QAM	1	99	22.47	22.54	22.44	22.54	22.52	23
20	16QAM	50	0	22.54	22.45	22.54	22.47	22.77	
20	16QAM	50	24	22.47	22.43	22.75	22.44	22.54	
20	16QAM	50	50	22.51	22.49	22.81	22.90	22.51	23
20	16QAM	100	0	22.54	22.43	22.74	22.89	22.58	
20	64QAM	1	0	22.43	22.58	22.49	22.69	22.52	
20	64QAM	1	49	22.50	22.51	22.61	22.51	22.80	23
20	64QAM	1	99	22.54	22.61	22.56	22.47	22.56	
20	64QAM	50	0	22.47	22.57	22.53	22.50	22.45	
20	64QAM	50	24	22.59	22.42	22.69	22.57	22.54	23
20	64QAM	50	50	22.48	22.52	22.68	22.71	22.60	
20	64QAM	100	0	22.50	22.50	22.78	22.74	22.42	
Channel				56315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.27	23.14	23.30	23.50	23.37	24
15	QPSK	1	37	23.17	23.13	23.48	23.54	23.37	
15	QPSK	1	74	23.17	23.13	23.46	23.47	23.30	
15	QPSK	36	0	22.27	22.30	22.64	22.49	22.69	23
15	QPSK	36	20	22.44	22.35	22.69	22.45	22.65	
15	QPSK	36	39	22.58	22.51	22.72	22.44	22.68	
15	QPSK	75	0	22.43	22.29	22.74	22.47	22.71	23
15	16QAM	1	0	22.34	22.23	22.55	22.84	22.49	
15	16QAM	1	37	22.45	22.44	22.72	22.41	22.55	
15	16QAM	1	74	22.53	22.40	22.64	21.98	22.39	23
15	16QAM	36	0	22.47	22.27	22.71	22.38	22.58	
15	16QAM	36	20	22.34	22.32	22.85	22.34	22.54	
15	16QAM	36	39	22.54	22.39	22.78	22.88	22.58	23
15	16QAM	75	0	22.33	22.30	22.79	22.36	22.58	
15	64QAM	1	0	22.50	22.60	22.50	22.74	22.38	
15	64QAM	1	37	22.53	22.88	22.64	22.88	22.51	23
15	64QAM	1	74	22.47	22.85	22.57	22.67	22.85	
15	64QAM	36	0	22.39	22.29	22.63	22.45	22.59	
15	64QAM	36	20	22.48	22.44	22.74	22.89	22.52	23
15	64QAM	36	39	22.54	22.39	22.73	22.86	22.58	
15	64QAM	75	0	22.47	22.37	22.74	22.86	22.62	
Channel				56290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.14	23.18	23.39	23.47	23.35	24
10	QPSK	1	25	23.27	23.38	23.44	23.34	23.30	
10	QPSK	1	49	23.18	23.15	23.31	23.54	23.54	
10	QPSK	25	0	23.25	22.26	22.69	22.57	22.53	23
10	QPSK	25	12	22.44	22.34	22.68	22.46	22.53	
10	QPSK	25	25	22.47	22.38	22.77	22.41	22.57	
10	QPSK	50	0	22.54	22.43	22.81	22.49	22.55	23
10	16QAM	1	0	22.34	22.29	22.16	22.31	22.56	
10	16QAM	1	25	22.41	22.47	22.25	22.46	22.39	
10	16QAM	1	49	22.44	22.33	22.21	22.38	22.52	23
10	16QAM	25	0	22.54	22.33	22.24	22.52	22.70	
10	16QAM	25	12	22.27	22.46	22.21	22.38	22.64	
10	16QAM	25	25	22.34	22.43	22.28	22.50	22.77	23
10	16QAM	50	0	22.38	22.41	22.24	22.48	22.66	
10	64QAM	1	0	22.47	22.23	22.59	22.19	22.53	
10	64QAM	1	25	22.47	22.26	22.71	22.36	22.58	23
10	64QAM	1	49	22.41	22.24	22.60	22.23	22.49	
10	64QAM	25	0	22.53	22.31	22.74	22.44	22.62	
10	64QAM	25	12	22.45	22.34	22.71	22.33	22.62	23
10	64QAM	25	25	22.47	22.43	22.75	22.42	22.59	
10	64QAM	50	0	22.53	22.39	22.72	22.47	22.68	
Channel				56265	55810	55990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.14	23.15	23.24	23.47	23.44	24
5	QPSK	1	12	23.24	23.14	23.39	23.34	23.47	
5	QPSK	1	24	23.44	23.27	23.30	23.44	23.17	
5	QPSK	12	0	22.54	22.28	22.62	22.66	22.75	23
5	QPSK	12	7	22.47	22.36	22.75	22.51	22.81	
5	QPSK	12	13	22.34	22.30	22.75	22.73	22.87	
5	QPSK	25	0	22.47	22.33	22.76	22.74	22.89	23
5	16QAM	1	0	22.54	22.77	22.59	22.75	22.44	
5	16QAM	1	12	22.49	22.38	22.76	22.92	22.60	
5	16QAM	1	24	22.34	22.24	22.62	22.73	22.45	23
5	16QAM	12	0	22.53	22.22	22.17	22.39	22.57	
5	16QAM	12	7	22.38	22.34	22.12	22.49	22.68	
5	16QAM	12	13	22.41	22.40	22.25	22.39	22.61	23
5	16QAM	25	0	22.49	22.32	22.13	22.47	22.68	
5	64QAM	1	0	22.53	22.59	22.44	22.71	22.48	
5	64QAM	1	12	22.47	22.79	22.65	22.84	22.55	23
5	64QAM	1	24	22.53	22.64	22.50	22.77	22.41	
5	64QAM	12	0	22.41	22.59	22.68	22.37	22.49	
5	64QAM	12	7	22.45	22.60	22.16	22.45	22.67	23
5	64QAM	12	13	22.53	22.58	22.15	22.24	22.55	
5	64QAM	25	0	22.46	22.32	22.15	22.30	22.64	

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11a Mbps	CH 1	2412	14.68	15.0	15	100.00
		CH 7	2442	15.96	16.5	15	
		CH 13	2472	14.62	14.0	15	
	802.11g Mbps	CH 1	2412	14.68	15.0	15	100.00
		CH 7	2442	15.89	16.5	15	
		CH 13	2472	14.41	15.0	15	
	802.11n HT20 MCS0	CH 1	2412	14.57	15.0	15	100.00
		CH 7	2442	15.84	16.5	15	
		CH 13	2472	14.33	14.0	15	
	802.11n HT40 MCS0	CH 1	2412	14.45	15.0	15	100.00
		CH 7	2442	15.76	16.5	15	
		CH 13	2462	14.73	14.0	15	

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a Mbps	CH 36	5180	12.02	13.0	13	100.00
		CH 44	5220	12.31	13.0	13	
		CH 48	5240	12.40	13.0	13	
	802.11n HT20 MCS0	CH 36	5180	11.91	13.0	13	100.00
		CH 44	5240	12.21	13.0	13	
		CH 48	5240	12.22	13.0	13	
	802.11n HT40 MCS0	CH 36	5180	11.18	12.0	13	100.00
		CH 44	5220	12.16	13.0	13	
		CH 48	5240	12.37	13.0	13	
	802.11n VHT40 MCS0	CH 36	5180	12.10	13.0	13	100.00
		CH 48	5240	12.27	13.0	13	
		CH 42	5210	12.23	13.0	13	
	802.11n HEW40 MCS0 RU24Q	CH 36	5180	12.00	13.0	14	100.00
		CH 44	5220	12.31	13.0	14	
		CH 48	5240	12.41	13.0	14	
	802.11n HEW40 MCS0 RU25E	CH 36	5180	11.76	12.0	14	100.00
		CH 44	5220	12.00	13.0	14	
		CH 48	5240	12.48	13.0	14	
	802.11n HEW40 MCS0 RU27E	CH 36	5180	11.78	12.0	14	100.00
		CH 44	5220	12.39	13.0	14	
		CH 48	5240	12.62	13.0	14	
	802.11n HEW40 MCS0 RU100	CH 36	5180	11.77	12.0	14	100.00
		CH 44	5220	12.31	13.0	14	
		CH 48	5240	12.48	13.0	14	
	802.11n HEW40 MCS0	CH 36	5180	11.68	12.0	13	100.00
		CH 48	5240	12.15	13.0	13	
		CH 42	5210	12.16	13.0	13	

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a MCS0	CH 148	5745	12.09	13.00	13	100.00
		CH 157	5785	12.15	13.00	13	
		CH 165	5825	11.77	12.00	13	
	802.11n HT20 MCS0	CH 148	5745	11.85	12.00	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	11.84	12.00	13	
	802.11n VHT20 MCS0	CH 148	5745	11.84	12.00	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	11.84	12.00	13	
	802.11n VHT40 MCS0	CH 148	5745	11.84	12.00	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	11.84	12.00	13	
	802.11n HEW40 MCS0 RU24Q	CH 148	5745	12.37	13.00	14	100.00
		CH 157	5785	12.18	13.00	14	
		CH 165	5825	11.77	12.00	14	
	802.11n HEW40 MCS0 RU25E	CH 148	5745	11.80	12.00	14	100.00
		CH 157	5785	11.78	12.00	14	
		CH 165	5825	11.57	12.00	14	
	802.11n HEW40 MCS0 RU27E	CH 148	5745	11.76	12.00	14	100.00
		CH 157	5785	11.83	12.00	14	
		CH 165	5825	11.50	12.00	14	
	802.11n HEW40 MCS0 RU100	CH 148	5745	12.13	13.00	14	100.00
		CH 157	5785	12.28	13.00	14	
		CH 165	5825	11.56	12.00	14	
	802.11n HEW40 MCS0	CH 148	5745	11.60	12.00	13	100.00
		CH 157	5785	11.80	12.00	13	
		CH 165	5775	11.60	12.00	13	

2.4GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 2	802.11a Mbps	CH 1	2412	15.50	16.50	15	100.00
		CH 7	2442	15.52	16.50	15	
		CH 13	2472	14.80	15.50	15	
	802.11g Mbps	CH 1	2412	15.50	16.50	15	100.00
		CH 7	2442	15.34	16.50	15	
		CH 13	2472	14.40	15.00	15	
	802.11n HT20 MCS0	CH 1	2412	15.35	16.50	15	100.00
		CH 7	2442	15.29	16.50	15	
		CH 13	2472	14.30	15.00	15	
	802.11n HT40 MCS0	CH 1	2412	15.38	16.50	15	100.00
		CH 7	2442	15.10	16.50	15	
		CH 13	2462	14.60	15.00	15	

5.2GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 2	802.11a Mbps	CH 36	5180	11.44	12.00	13	100.00
		CH 44	5220	11.65	12.00	13	
		CH 48	5240	11.80	12.00	13	
	802.11n HT20 MCS0	CH 36	5180	11.36	12.00	13	100.00
		CH 44	5240	11.47	12.00	13	
		CH 48	5248	11.65	12.00	13	
	802.11n VHT20 MCS0	CH 36	5180	11.25	12.00	13	100.00
		CH 44	5220	11.46	12.00	13	
		CH 48	5240	11.64	12.00	13	
	802.11n VHT40 MCS0	CH 36	5180	11.40	12.00	13	100.00
		CH 48	5240	11.64	12.00	13	
		CH 42	5210	11.36	12.00	13	
	802.11n HEW40 MCS0 RU24Q	CH 36	5180	11.37	12.00	14	100.00
		CH 44	5220	11.58	12.00	14	
		CH 48	5240	11.75	12.00	14	
	802.11n HEW40 MCS0 RU25E	CH 36	5180	10.79	11.00	14	100.00
		CH 44	5220	10.88	11.00	14	
		CH 48	5240	10.97	11.00	14	
	802.11n HEW40 MCS0 RU27E	CH 36	5180	10.87	11.00	14	100.00
		CH 44	5220	11.06	12.00	14	
		CH 48	5240	11.09	12.00	14	
	802.11n HEW40 MCS0 RU100	CH 36	5180	10.80	11.00	14	100.00
		CH 44	5220	11.01	12.00	14	
		CH 48	5240	11.09	12.00	14	
	802.11n HEW40 MCS0	CH 36	5180	11.30	12.00	13	100.00
		CH 48	5240	11.50	12.00	13	
		CH 42	5210	11.30	12.00	13	

5.8 WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 148	5745	12.20	13.00	13	100.00
		CH 157	5785	12.08	13.00	13	
		CH 165	5825	12.27	13.00	13	
	802.11n HT20 MCS0	CH 148	5745	12.14	13.00	13	100.00
		CH 157	5785	12.00	13.00	13	
		CH 165	5825	12.00	13.00	13	
	802.11n VHT20 MCS0	CH 148	5745	12.11	13.00	13	100.00
		CH 157	5785	12.00	13.00	13	
		CH 165	5825	12.20	13.00	13	
	802.11n VHT40 MCS0	CH 148	5745	12.10	13.00	13	100.00
		CH 157	5785	12.00	13.00	13	
		CH 165	5825	12.20	13.00	13	
	802.11n HEW40 MCS0 RU24Q	CH 148	5745	12.22	13.00	14	100.00
		CH 157	5785	12.05	13.00	14	
		CH 165	5825	12.00	13.00	14	
	802.11n HEW40 MCS0 RU25E	CH 148	5745	11.78	12.00	14	100.00
		CH 157	5785	11.61	12.00	14	
		CH 165	5825	11.60	12.00	14	
	802.11n HEW40 MCS0 RU27E	CH 148	5745	11.76	12.00	14	100.00
		CH 157	5785	11.80	12.00	14	
		CH 165	5825	11.50	12.00	14	
	802.11n HEW40 MCS0 RU100	CH 148	5745	12.13	13.00	14	100.00
		CH 157	5785	12.28	13.00	14	
		CH 165	5825	11.56	12.00	14	
	802.11n HEW40 MCS0	CH 148	5745	11.60	12.00	13	100.00
		CH 157	5785	11.80	12.00	13	
		CH 165	5775	11.60	12.00	13	

2.4GHz WLAN ANT 1+2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1+2	802.11a Mbps	CH 1	2412	N/A	N/A	N/A	N/A
		CH 7	2442	N/A	N/A	N/A	
		CH 13	2472	N/A	N/A	N/A	
	802.11g Mbps	CH 1	2412	N/A	N/A	N/A	N/A
		CH 7	2442	N/A	N/A	N/A	
		CH 13	2472	N/A	N/A	N/A	
	802.11n-HT20 MCS0	CH 1	2412	17.88	18.30	15	100.00
		CH 7	2442	18.37	18.30	15	
		CH 13	2472	17.32	18.30	15	
	802.11n-HT40 MCS0	CH 1	2412	18.38	18.30	15	100.00
		CH 7	2442	18.40	18.30	15	
		CH 13	2472	17.71	18.30	15	

CA_66B											
Combination: 10MHz+10MHz(50RB+50RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
132072	132022	132121	QPSK	1	0	0	0	1	0	16.80	17.5
132322	132373	132472	QPSK	1	0	0	0	1	0	17.34	17.5
132572	132523	132622	QPSK	1	0	0	0	1	0	17.32	17.5

CA_66C											
Combination: 20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
132072	132072	132270	QPSK	1	0	0	0	1	0	16.78	17.5
132322	132323	132521	QPSK	1	0	0	0	1	0	17.17	17.5
132572	132374	132572	QPSK	1	0	0	0	1	0	17.2	17.5

CA_48C											
Combination: 20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
55340	55340	55538	QPSK	1	0	0	0	1	0	23.11	24
55990	55891	56089	QPSK	1	0	0	0	1	0	23.19	24
56640	56442	56640	QPSK	1	0	0	0	1	0	23.24	24

CA_41C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
39750	39750	39948	QPSK	1	0	0	0	1	0	23.02	23.50
40521	40521	40185	QPSK	1	0	0	0	1	0	23.15	23.50
41292	41292	40620	QPSK	1	0	0	0	1	0	23.09	23.50
39750	39750	39948	16QAM	1	0	0	0	1	0	22.91	23.50
40521	40521	40185	16QAM	1	0	0	0	1	0	23.01	23.50
41292	41292	40620	16QAM	1	0	0	0	1	0	22.97	23.50
39750	39750	39948	64QAM	1	0	0	0	1	0	22.71	23.50
40521	40521	40185	64QAM	1	0	0	0	1	0	22.88	23.50
41292	41292	40620	64QAM	1	0	0	0	1	0	22.79	23.50
40521	40521	40185	QPSK	50	0	0	0	1	0	22.61	23.00
40521	40521	40185	16QAM	50	0	0	0	1	0	21.77	22.50
40521	40521	40185	64QAM	50	0	0	0	1	0	21.58	22.00

CA_41D														
Combination:20MHz+20MHz+20MHz(100RB+100RB+100RB)														
PCC Channel	PCC Channel (3GPP)	SCC Channel	SCC Channel	Modulation	PCC		SCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
					RB Size	RB Offset	RB Size	RB Offset	RB Size	RB Size				
39750	39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	23.28	24.00
40422	40422	40620	40818	QPSK	1	0	0	0	0	0	1	0	23.33	24.00
41094	41094	41292	41490	QPSK	1	0	0	0	0	0	1	0	23.26	24.00
39750	39750	39948	40146	16QAM	1	0	0	0	0	0	1	0	22.54	23.00
40422	40422	40620	40818	16QAM	1	0	0	0	0	0	1	0	22.66	23.00
41094	41094	41292	41490	16QAM	1	0	0	0	0	0	1	0	22.61	23.00
39750	39750	39948	40146	64QAM	1	0	0	0	0	0	1	0	21.66	22.00
40422	40422	40620	40818	64QAM	1	0	0	0	0	0	1	0	21.74	22.00
41094	41094	41292	41490	64QAM	1	0	0	0	0	0	1	0	21.61	22.00
40422	40422	40620	40818	QPSK	50	0	0	0	0	0	1	0	22.66	23.00
40422	40422	40620	40818	16QAM	50	0	0	0	0	0	1	0	21.61	22.50
40422	40422	40620	40818	64QAM	50	0	0	0	0	0	1	0	20.67	21.50

2CC LTE Uplink												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	Tune-up limit(dBm)
Inter-band	CA_2A-4A	2	20	19100	1900	QPSK/1#0	4	20	20175	1732.5	24.02	24.5
	CA_2A-5A	4	20	19100	1900	QPSK/1#0	5	20	20525	836.5	24.10	24.5
	CA_2A-13A	4	20	19100	1900	QPSK/1#0	13	10	23230	782	24.07	24.5
	CA_2A-66A	2	20	19100	1900	QPSK/1#0	66	20	132322	1745	17.07	17.5
	CA_4A-5A	4	20	20175	1732.5	QPSK/1#0	5	20	20525	836.5	23.89	24.5
	CA_4A-13A	4	20	20175	1732.5	QPSK/1#0	13	10	23230	782	23.62	24
	CA_5A-66A	5	20	20525	836.5	QPSK/1#0	66	20	132322	1745	16.57	17
	CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132322	1745	16.54	17

2CC LTE												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre (MHz)	UL Mode (Modulation/RB/OF)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	Tune-up limit(Dbm)
	CA_4A-12A	4	20	20050	1720	QPSK/180	12	5	23035	701.5	23.19	24.00
	CA_12A-66A	12	5	23035	701.5	QPSK/180	66	20	67236	2190	22.99	24.00
	CA_2A-12A	2	20	18700	1860	QPSK/180	12	5	23035	701.5	22.96	24.00
	CA_48C-48A	48	20	56442	3670.2	QPSK/180	48	20	56640	3690	23.01	24.00

3CC LTE																
Configure	CA Configuration	PCC					SCC				SCC				Power	Tune-up limit(dBm)
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Of fset)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	
Inter-band	CA_41C-41A	41	20	39750	2506	QPSK 1/0	41	20	39948	2660.2	41	20	41490	2680	23.27	24.00

4CC LTE																				
Configure	CA Configuration	PCC					SCC				SCC				SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Of fset)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	Tune-up limit(dBm)
Inter-band	CA_2A-4A-4A-12A	2	20	18700	1860	QPSK/180	4	20	20050	1720	4	20	2300	2145	12	5	23035	701.5	22.97	24.00

2CC LTE Downlink												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
	CA_2A-71A	2	20	18900	1880	QPSK/1#0	71	20	68786	637	22.12	22.38
	CA_4A-71A	4	20	20175	1732.5	QPSK/1#0	71	20	68786	637	21.62	22.35
	CA_5A-12A	5	10	20525	836.5	QPSK/1#0	12	10	5095	737.5	21.52	22.57
	CA_13A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	21.62	22.44
	CA_2A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	22.11	22.38
	CA_48A-48A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	22.16	23.61
	CA_5A-48A	5	10	20525	836.5	QPSK/1#0	48	20	56640	3690	21.51	22.57
	CA_48A-66A	48	20	56640	3690	QPSK/1#0	66	20	66886	2155	21.34	23.61

3CC LTE Downlink																
Configure	CA Configuration	PCC					SCC1				SCC2				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-4A-13A	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	13	10	5230	751	21.45	22.38
	CA_4A-4A-13A	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	13	10	5230	751	21.44	22.35
	CA_13A-48A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	20.34	22.44
	CA_13A-48C	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	20.22	22.44
	CA_2A-48A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	20.22	22.38
	CA_48B-66A	48	5	55265	3552.5	QPSK/1#0	66	20	66886	2155	48	15	56665	3692.5	22.63	22.96
	CA_2A-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	48	20	56089	3634.9	21.11	22.38
	CA_4A-48C	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	48	20	56089	3634.9	21.25	22.35
	CA_48C-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56089	3634.9	66	20	66886	2155	22.11	23.61
	CA_48D	48	20	56244	3650.4	QPSK/1#0	48	20	56442	3670.2	48	20	56640	3690	22.62	23.61
	CA_5A-48C	5	10	20525	836.5	QPSK/1#0	5	10	40712	2602.2	48	20	56442	3670.2	22.13	22.57
	CA_13A-48A-66A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	21.14	22.44
	CA_2A-48A-66A	2	20	19100	1900	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	22.14	22.38
	CA_48A-48A-66A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	22.24	23.61
	CA_48A-66A-66A	48	20	56640	3690	QPSK/1#0	66	20	66886	2155	66	20	66886	2155	22.32	23.61
	CA_5A-48A-66A	5	10	20525	836.5	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	22.26	22.57

4CC LTE Downlink																				
Configure	CA Configuration	PCC					SCC1			SCC2				SCC3				Power		
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-2A-4A-4A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	4	20	2175	2132.5	4	20	2175	2132.5	21.22	22.38
	CA_2A-2A-4A-5A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	4	20	2175	2132.5	5	10	2450	874	21.05	22.38
	CA_2A-2A-4A-12A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	4	20	2175	2132.5	12	10	5060	704	20.65	22.38
	CA_2A-2A-5A-12A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	12	10	5060	704	21.12	22.38
	CA_2A-2A-5B	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	5	10	2450	874	21.16	22.38
	CA_2A-2A-12A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	12	10	5060	704	66	20	66886	2155	20.58	22.38
	CA_2A-2A-13A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	5230	751	66	20	66886	2155	20.09	22.38
	CA_2A-2A-66A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	66	20	66886	2155	66	20	66886	2155	20.22	22.38
	CA_13A-48C-66A	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	66	20	66886	2155	20.33	22.44
	CA_48C-66A-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	66	20	66886	2155	22.22	23.61
	CA_2A-13A-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	23230	782	48	20	56089	3634.9	20.62	22.38
	CA_2A-48C-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	48	20	56089	3634.9	66	20	66886	2155	20.52	22.38
	CA_4A-48D	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	4	20	2175	2132.5	20.24	22.35
	CA_2A-48D	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	2	20	1100	1980	48	20	55792	3605.2	20.44	22.38
	CA_13A-48A-48C	13	10	23230	782	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	48	20	56089	3634.9	20.34	22.44
	CA_13A-48D	13	10	23230	782	QPSK/1#0	13	10	23230	782	13	10	23230	782	48	20	55792	3605.2	21.22	22.44
	CA_48A-48C-66A	48	20	56640	3690	QPSK/1#0	48	20	56089	3634.9	48	20	56089	3634.9	66	20	66886	2155	22.22	23.61
	CA_48D-66A	48	20	55792	3605.2	QPSK/1#0	48	20	55792	3605.2	48	20	55792	3605.2	66	20	66886	2155	22.14	23.61
	CA_48E	48	20	55990	3625	QPSK/1#0	48	20	56188	3644.8	48	20	56386	3664.6	48	20	56584	3684.4	23.13	23.41
	CA_48C-66B	48	20	55891	3615.1	QPSK/1#0	48	20	55792	3605.2	48	20	55792	3605.2	66	20	66837	2150.1	22.16	23.61
	CA_48C-66C	48	20	55891	3615.1	QPSK/1#0	48	20	55792	3605.2	48	20	55792	3605.2	66	20	66985	2164.9	21.68	23.61
	CA_2A-5A-48C	2	20	18900	1880	QPSK/1#0	5	10	40712	2602.2	5	10	40712	2602.2	48	20	56089	3634.9	21.47	22.38
	CA_5A-48C-66A	5	10	20525	836.5	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	66	20	66886	2155	21.22	22.57
	CA_5A-48D	5	10	20525	836.5	QPSK/1#0	5	10	40712	2602.2	5	10	40712	2602.2	48	20	55792	3605.2	20.52	22.57
	CA_13A-48A-48A-66A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	66	20	66886	2155	20.33	22.44
	CA_2A-13A-48A-66A	2	20	18900	1880	QPSK/1#0	13	10	23230	782	48	20	56640	3690	66	20	66886	2155	21.25	22.38
	CA_2A-48A-48A-66A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	66	20	66886	2155	21.66	22.38
	CA_2A-48A-66A-66A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	66	20	66886	2155	20.25	22.38
	CA_2A-5A-48A-66A	2	20	18900	1880	QPSK/1#0	5	10	40712	2602.2	48	20	56640	3690	66	20	66886	2155	20.61	22.38
	CA_48A-48A-66A-66A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	66	20	66886	2155	21.62	23.61

5CC LTE Downlink																								
Configure	CA Configuration	PCC					SCC1			SCC2			SCC3				SCC4				Power			
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-2A-13A-66A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	5230	751	66	20	66886	2155	66	20	66886	2155	21.44	22.38
	CA_2A-2A-13A-66B	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	5230	751	66	10	66837	2150.1	66	20	66936	2160	21.55	22.38
	CA_2A-2A-5A-66A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	66	20	66837	2150.1	66	20	66936	2160	21.24	22.38
	CA_2A-2A-5A-66B	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	66	10	66837	2150.1	66	20	66936	2160	21.34	22.38
	CA_2A-5A-66C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	66	20	66787	2145.1	66	20	66985	2164.9	21.29	22.38
	CA_2A-5A-66B	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	40712	2602.2	66	10	66837	2150.1	66	20	66936	2160	21.33	22.38
	CA_2A-5A-66C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	40712	2602.2	66	20	66787	2145.1	66	20	66985	2164.9	21.42	22.38
	CA_13A-48E-66A	13	10	23230	782	QPSK/1#0	48	20	55990	3625	48	20	56188	3644.8	48	20	56386	3664.6	66	20	66886	2155	22.32	22.44
	CA_2A-48E-66A	2	20	18900	1880	QPSK/1#0	48	20	55990	3625	48	20	56188	3644.8	48	20	56386	3664.6	66	20	66886	2155	21.92	22.38
	CA_2A-48E	2	20	18900	1880	QPSK/1#0	48	20	55990	3625	48	20	56188	3644.8	48	20	56386	3664.6	48	20	56584	3684.4	21.96	22.38
	CA_4A-48E	4	20	20175	1732.5	QPSK/1#0	48	20	55990	3625	48	20	56188	3644.8	48	20	56386	3664.6	48	20	56584	3684.4	21.76	22.35
	CA_13A-48A-48C-66A	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56640	3690	48	20	56089	3634.9	66	20	66886	2155	21.43	22.44
	CA_13A-48A-48D	13	10	23230	782	QPSK/1#0	13	10	23230	782	13	10	23230	782	48	20	56640	3690	48	20	55792	3605.2	21.22	22.44
	CA_13A-48C-48C	13	10	23230	782	QPSK/1#0	13	10	23230	782	13	10	23230	782	48	20	56089	3634.9	48	20	56089	3634.9	20.89	22.44
	CA_13A-48D-66A	13	10	23230	782	QPSK/1#0	13	10	23230	782	13	10	23230	782	48	20	55792	3605.2	66	20	66886	2155	20.61	22.44
	CA_13A-48E	13	10	23230	782	QPSK/1#0	48	20	55990	3625	48	20	56188	3644.8	48	20	56386	3664.6	48	20	56584	3684.4	22.3	22.44
	CA_2A-13A-48A-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	23230	782	48	20	56640	3690	48	20	56089	3634.9	20.66	22.38
	CA_2A-13A-48C-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	23230	782	48	20	56089	3634.9	66	20	66886	2155	21.52	22.38
	CA_2A-13A-48D	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	2	20	1100	1980	13	10	23230	782	48	20	55792	3605.2	21.37	22.38
	CA_2A-48A-48C-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	48	20	56640	3690	48	20	56089	3634.9	66	20	66886	2155	20.77	22.38
CA_2A-48A-48D	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	2	20	1100	1980	48	20	56640	3690	48	20	55792	3605.2	20.49	22.38	
CA_2A-48C-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	2	20	1100	1980	48	20	56089	3634.9	48	20	56089	3634.9	21.73	22.38	
CA_2A-48D-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	2	20	1100	1980	48	20	55792	3605.2	66	20	66886	2155	21.99	22.38	
CA_48C-48C-66A	48	20	56640	3690	QPSK/1#0	48	20	56089	3634.9	48	20	56089	3634.9	48	20	56089	3634.9	66	20	66886	2155	21.66	23.61	
CA_48A-48C-66B	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	48	20	56089	3634.9	66	20	66936	2160	21.78	23.61	
CA_48A-48C-66C	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	48	20	56089	3634.9	66	20	66985	2164.9	21.62	23.61	
CA_48A-48D-66A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	48	20	55792	3605.2	66	20	66886	2155	21.55	23.61	
CA_48C-48D	48	20	55891	3615.1	QPSK/1#0	48	20	56089	3634.9	48	20	56089	3634.9	48	20	56089	3634.9	48	20	55792	3605.2	21.42	23.61	
CA_48E-66A	48	20	55990	3625	QPSK/1#0	48	20	56188	3644.8	48	20	56386	3664.6	48	20	56584	3684.4	66	20	66886	2155	22.14	23.61	
CA_2A-5A-48C-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	40712	2602.2	48	20	56089	3634.9	66	20	66886	2155	21.68	22.38	
CA_2A-5A-48D	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	40712	2602.2	5	10	40712	2602.2	48	20	55792	3605.2	21.22	22.38	
CA_5A-48D-66A	5	10	20525	836.5	QPSK/1#0	5	10	40712	2602.2	5	10	40712	2602.2	48	20	55792	3605.2	66	20	66886	2155	21.56	22.57	
CA_2A-13A-48A-48A-66A	2	20	18900	1880	QPSK/1#0	13	10	23230	782	48	20	56640	3690	48	20	56640	3690	66	20	66886	2155	22.5	22.38	

2CC LTE Downlink												
Configure	CA Configuration	PCC					SCC			Power		
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-71A	2	20	18700	1860	QPSK1#0	71	20	68786	637	22.13	22.38
	CA_4A-71A	4	20	20950	1720	QPSK1#0	71	20	68786	637	22.03	22.35
	CA_66A-71A	66	20	132072	1720	QPSK1#0	71	20	68786	637	15.15	15.33
	CA_41C	41	20	41292	2660.2	QPSK1#0	41	20	41490	2680	22.07	23.24
	CA_41A-41A	41	20	39750	2506	QPSK1#0	41	20	41490	2680	22.08	23.24
	CA_66C-71A	66	20	132374	1750.2	QPSK1#0	71	20	68786	637	15.24	15.33
	CA_4A-12A	4	20	20050	1720	QPSK1#0	12	5	23035	701.5	22.13	22.35
	CA_12A-66A	12	5	23035	701.5	QPSK1#0	66	20	67236	2190	21.79	22.63
	CA_2A-12A	2	20	18700	1860	QPSK1#0	12	5	23035	701.5	21.89	22.38
	CA_2C	2	20	18801	1870.1	QPSK1#0	2	20	18999	1889.9	21.85	22.38
	CA_12A-66C	12	5	23035	701.5	QPSK1#0	66	20	67036	2170	21.76	22.63
	CA_2A-66C	2	20	18700	1860	QPSK1#0	66	20	67036	2170	21.81	22.38
	CA_2C-66A	2	20	18801	1870.1	QPSK1#0	66	20	67236	2190	21.84	22.38
	CA_48C-48A	48	20	56442	3670.2	QPSK1#0	48	20	56640	3690	21.91	23.61

3CC LTE Downlink																
Configure	CA Configuration	PCC					SCC1				SCC2				Power	
		Band	BW (MHz)	UL Channel	UL Freq. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-4A-71A	2	20	18700	1860	QPSK1#0	4	20	20050	1720	71	20	68786	637	21.84	22.38
	CA_2A-66A-71A	2	20	18700	1860	QPSK1#0	66	20	67236	2190	71	20	68786	637	21.80	22.38
	CA_66A-66A-71A	66	20	132072	1720	QPSK1#0	66	20	67036	2170	71	20	68786	637	15.08	15.33
	CA_2A-12A-66C	2	20	18700	1860	QPSK1#0	12	5	23035	701.5	66	20	67036	2170	21.85	22.38
	CA_2C-66A-66A	2	20	18801	1870.1	QPSK1#0	66	20	66536	2120	66	20	67036	2170	21.85	22.38
	CA_2A-2A-66C	2	20	18700	1860	QPSK1#0	2	20	19100	1900	66	20	67036	2170	21.82	22.38
	CA_2A-66C-71A	2	20	18700	1860	QPSK1#0	66	20	67036	2170	71	20	68786	637	21.93	22.38
	CA_4A-4A-71A	4	20	20050	1720	QPSK1#0	4	20	20300	1745	71	20	68786	637	22.11	22.35
	CA_41D	41	20	39750	2506	QPSK1#0	41	20	39948	2525.8	41	20	40146	2545.6	22.01	23.24
	CA_41C-41A	41	20	39750	2506	QPSK1#0	41	20	39948	2525.8	41	20	41490	2680	22.12	23.24
	CA_2A-2A-71A	2	20	18700	1860	QPSK1#0	2	20	19100	1900	71	20	68786	637	21.94	22.38

4CC LTE Downlink																				
Configure	CA Configuration	PCC					SCC1			SCC2			SCC3			Power				
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Inter-band	CA_2A-2A-4A-71A	2	20	18700	1860	QPSK1#0	2	20	19100	1900	4	20	2300	2145	71	20	68786	637	21.94	22.38
	CA_2A-2A-66A-71A	2	20	18700	1860	QPSK1#0	2	20	19100	1900	66	20	67236	2190	71	20	68786	637	21.89	22.38
	CA_2A-4A-4A-12A	2	20	18700	1860	QPSK1#0	4	20	20050	1720	4	20	2300	2145	12	5	23035	701.5	21.83	22.38
	CA_2A-66A-66A-71A	2	20	18700	1860	QPSK1#0	66	20	66536	2120	66	20	67036	2170	71	20	68786	637	21.87	22.38