



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

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	21	
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		
1.4	16QAM	1	3	21.23	21.41	21.09	22	
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		
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	21	
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		
1.4	16QAM	1	3	21.33	21.47	21.44	22	
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		
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 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	21.68			22
10	QPSK	25	12	21.41			
10	QPSK	25	25	21.51			
10	QPSK	50	0	21.48			22
10	16QAM	1	0	21.38			
10	16QAM	1	25	21.38			
10	16QAM	1	49	21.25			21
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			21
10	64QAM	1	49	22.24			
10	64QAM	25	0	22.22			
10	64QAM	25	12	20.32			21
10	64QAM	25	25	20.28			
10	64QAM	50	0	20.31			
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
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	22
5	QPSK	12	7	21.45	21.47	21.52	
5	QPSK	12	13	21.49	21.53	21.59	
5	QPSK	25	0	21.29	21.41	21.51	22
5	16QAM	1	0	21.37	21.67	21.51	
5	16QAM	1	12	21.53	21.55	21.67	
5	16QAM	1	24	22.02	21.57	22.01	21
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	21
5	64QAM	1	24	20.33	20.46	20.29	
5	64QAM	12	0	20.08	20.12	20.20	
5	64QAM	12	7	20.16	20.23	20.35	21
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	
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	15
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	15
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	15
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	15
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	14
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	14
3	64QAM	8	4	13.42	13.41	13.40	
3	64QAM	8	7	13.37	13.36	13.38	
3	64QAM	15	0	13.28	13.29	13.30	
Channel				1319.9	1323.22	1326.65	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)
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	
1.4	16QAM	1	3	14.41	14.42	14.40	15
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	
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	
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	
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	
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	23
20	QPSK	50	0	21.97	22.07	22.28	22.15	22.01	
20	QPSK	50	24	21.89	22.02	22.20	22.11	21.94	23
20	QPSK	50	50	21.89	22.07	22.28	22.16	21.94	
20	QPSK	100	0	21.98	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	22
20	16QAM	1	99	21.97	22.00	22.18	22.05	21.77	
20	16QAM	50	0	20.96	21.02	21.24	21.08	20.93	22
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	22
20	64QAM	1	49	20.92	21.04	21.14	21.06	20.87	
20	64QAM	1	99	20.95	21.01	21.13	21.12	20.80	21
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	
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	23
15	QPSK	36	0	21.92	21.98	22.24	22.07	21.93	
15	QPSK	36	20	21.87	22.01	22.10	22.06	21.90	23
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	22
15	16QAM	1	74	21.87	21.93	22.08	22.00	21.74	
15	16QAM	36	0	20.86	21.00	21.14	20.98	20.85	22
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	22
15	64QAM	1	37	20.88	20.95	21.07	21.03	20.84	
15	64QAM	1	74	20.94	21.00	21.12	21.07	20.76	21
15	64QAM	36	0	19.92	19.95	20.16	20.04	19.99	
15	64QAM	36	20	19.88	19.95	20.05	20.09	19.87	21
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	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.88	23.05	23.20	23.05	22.81	24
10	QPSK	1	25	22.94	22.97	23.19	23.04	22.81	
10	QPSK	1	49	22.90	23.01	23.19	23.11	22.80	23
10	QPSK	25	0	21.96	21.97	22.18	22.14	21.97	
10	QPSK	25	12	21.82	21.98	22.14	22.09	21.86	23
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	23
10	16QAM	1	49	21.96	21.91	22.13	22.03	21.76	
10	16QAM	25	0	20.90	20.95	21.16	21.03	20.90	22
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	20.90	20.99	21.19	21.10	20.87	
10	64QAM	1	0	20.95	21.06	21.12	21.02	20.89	22
10	64QAM	1	25	20.90	21.02	21.04	21.02	20.82	
10	64QAM	1	49	20.93	20.98	21.07	21.07	20.75	21
10	64QAM	25	0	19.91	19.92	20.20	20.09	19.97	
10	64QAM	25	12	19.85	19.91	20.07	20.08	19.87	21
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	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.97	23.02	23.14	23.05	22.84	24
5	QPSK	1	12	22.89	22.97	23.11	23.10	22.77	
5	QPSK	1	24	22.86	23.00	23.19	23.08	22.84	23
5	QPSK	12	0	21.89	21.97	22.26	22.11	21.99	
5	QPSK	12	7	21.81	21.95	22.16	22.06	21.88	23
5	QPSK	12	13	21.88	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	23
5	16QAM	1	24	21.87	21.91	22.08	22.03	21.71	
5	16QAM	12	0	20.88	21.00	21.16	21.02	20.85	22
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	22
5	64QAM	1	12	20.91	21.02	21.05	21.01	20.77	
5	64QAM	1	24	20.87	20.92	21.08	21.10	20.77	21
5	64QAM	12	0	19.90	19.96	20.16	20.08	19.98	
5	64QAM	12	7	19.88	19.97	20.06	20.08	19.81	21
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	

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				55315	55820	55990	56160	56665	
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	22.65	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				55290	55815	55990	56165	56690	
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				55265	55810	55990	56170	56175	
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	22.46	
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

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11n MBO, 802.11g MBO, 802.11n-HT20 MCS0, and 802.11n-HT40 MCS0.

2.4GHz WLAN ANT 2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11n MBO, 802.11g MBO, 802.11n-HT20 MCS0, and 802.11n-HT40 MCS0.

2.4GHz WLAN ANT 1+2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11n MBO, 802.11g MBO, 802.11n-HT20 MCS0, and 802.11n-HT40 MCS0.

5.8GHz WLAN ANT 1

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MBO, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

5.2GHz WLAN ANT 2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MBO, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

5.2GHz WLAN ANT 1+2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MBO, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

5.8GHz WLAN ANT 1

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MCS0, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

5.8 WLAN ANT 2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MCS0, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

5.8 WLAN ANT 1+2

Table with 8 columns: Mode, Channel, Frequency (MHz), Average power (dBm), Turn-Up Limit, Power Setting, Duty Cycle %. Rows include 802.11a MCS0, 802.11a-HT20 MCS0, 802.11a-VHT20 MCS0, 802.11a-VHT40 MCS0, and 802.11a-HEW80 MCS0.

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/Offset)	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		
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	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_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/Offset)	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)
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	2660	22.07	23.24
	CA_41A-41A	41	20	39750	2506	QPSK1#0	41	20	41490	2660	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 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-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-3A-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