



REPORT No. : SZ21060072S01

Annex E 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	22.45	22.36	22.38	23.00	22.46	22.52	22.61	23.00	22.34	22.25	22.21	23.00
3GPP Rel 6	HSDPA Subtest-1	20.47	20.65	20.67	21.50	20.64	20.86	20.78	21.50	20.13	19.94	20.06	21.00
3GPP Rel 6	HSDPA Subtest-2	20.50	20.60	20.70	21.50	20.67	20.79	20.72	21.50	20.05	19.88	20.11	21.00
3GPP Rel 6	HSDPA Subtest-3	20.11	20.25	20.23	21.50	20.18	20.30	20.33	21.50	19.63	19.63	19.54	21.00
3GPP Rel 6	HSDPA Subtest-4	20.01	20.15	20.13	21.50	20.18	20.41	20.26	21.50	19.61	19.43	19.53	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.63	20.69	20.70	21.50	20.74	20.87	20.88	21.50	20.16	20.10	20.13	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.65	20.66	20.72	21.50	20.67	20.89	20.87	21.50	20.18	20.11	20.14	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.10	20.17	20.20	21.50	20.17	20.42	20.35	21.50	19.66	19.60	19.68	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.11	20.15	20.18	21.50	20.16	20.36	20.38	21.50	19.66	19.58	19.67	21.00
3GPP Rel 6	HSUPA Subtest-1	20.46	20.58	20.58	21.50	20.66	20.80	20.77	21.50	20.05	20.18	19.98	21.00
3GPP Rel 6	HSUPA Subtest-2	20.02	20.10	20.19	21.50	20.14	20.35	20.32	21.50	19.61	19.57	19.50	21.00
3GPP Rel 6	HSUPA Subtest-3	20.57	20.59	20.58	21.50	20.68	20.72	20.76	21.50	20.07	20.03	19.98	21.00
3GPP Rel 6	HSUPA Subtest-4	20.45	20.56	20.61	21.50	20.62	20.76	20.79	21.50	20.06	19.93	20.00	21.00
3GPP Rel 6	HSUPA Subtest-5	20.56	20.68	20.57	21.50	20.74	20.71	20.74	21.50	20.09	19.99	20.09	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-	20.51	20.62	20.61	21.50	20.62	20.85	20.69	21.50	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	21
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
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	21
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
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	21
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
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	21
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
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	

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			
20	64QAM	1	49	20.22	20.64	20.17			
20	64QAM	1	99	20.44	20.34	20.22	21		
20	64QAM	50	0	20.08	20.40	20.35			
20	64QAM	50	24	20.29	20.39	20.38			
20	64QAM	50	50	20.29	20.25	20.20			
20	64QAM	100	0	20.30	20.25	20.38	21		
Channel				20025	20175	20325		Tune-up limit (dBm)	
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	21		
Channel				20000	20175	20350		Tune-up limit (dBm)	
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	21		
Channel				19975	20175	20375		Tune-up limit (dBm)	
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	21		
Channel				19965	20175	20385		Tune-up limit (dBm)	
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	21.33	21.40	21.39	22
3	16QAM	8	7	21.35	21.44	21.44	
3	16QAM	15	0	21.43	21.25	21.16	
3	64QAM	1	0	20.19	20.23	20.56	21
3	64QAM	1	8	20.68	20.69	20.77	
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	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	
1.4	64QAM	6	0	20.21	20.22	20.02	21

3	16QAM	8	4	21.08	21.54	21.55	22
3	16QAM	8	7	21.21	21.53	21.53	
3	16QAM	15	0	21.21	21.52	21.51	
3	64QAM	1	0	21.12	21.08	21.03	21
3	64QAM	1	8	20.80	20.93	20.95	
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	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	
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	22	
10	QPSK	25	12	21.57	21.58	21.53		
10	QPSK	25	25	21.48	21.44	21.46		
10	QPSK	50	0	21.34	21.35	21.40	22	
10	16QAM	1	0	21.37	21.23	21.49		
10	16QAM	1	25	21.29	21.46	21.50		
10	16QAM	1	49	21.41	21.69	21.32	21	
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	21	
10	64QAM	1	49	20.25	20.60	19.81		
10	64QAM	25	0	20.17	20.24	20.19		
10	64QAM	25	12	20.23	20.27	20.21	21	
10	64QAM	25	25	20.42	20.10	20.12		
10	64QAM	50	0	20.17	20.16	20.03		
Channel				20425	20525	20625	Tune-up limit (dBm)	
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	22	
5	QPSK	12	7	21.30	21.38	21.39		
5	QPSK	12	13	21.17	21.30	21.33		
5	QPSK	25	0	21.03	21.15	21.14	22	
5	16QAM	1	0	21.65	21.35	21.16		
5	16QAM	1	12	21.37	21.42	21.67		
5	16QAM	1	24	21.30	21.41	21.55	21	
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	21	
5	64QAM	1	12	20.14	20.12	20.43		
5	64QAM	1	24	20.10	20.09	20.43		
5	64QAM	12	0	20.06	20.13	20.37	21	
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	Tune-up limit (dBm)	
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	22	
3	QPSK	8	4	21.53	21.38	21.56		
3	QPSK	8	7	21.47	21.30	21.54		
3	QPSK	15	0	21.46	21.36	21.53	22	
3	16QAM	1	0	21.55	21.56	21.72		
3	16QAM	1	8	21.22	21.63	21.69		
3	16QAM	1	14	21.48	21.45	21.57	21	
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	21	
3	64QAM	1	8	20.42	20.21	20.44		
3	64QAM	1	14	20.32	20.04	20.35		
3	64QAM	8	0	20.24	20.34	20.24	21	
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	Tune-up limit (dBm)	
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	22	
1.4	QPSK	3	1	22.43	22.24	22.41		
1.4	QPSK	3	3	22.38	22.19	22.37		
1.4	QPSK	6	0	21.46	21.37	21.39	22	
1.4	16QAM	1	0	21.24	21.28	21.42		
1.4	16QAM	1	3	21.26	21.27	21.26		
1.4	16QAM	1	5	21.50	21.51	21.51	22	
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	21	
1.4	64QAM	1	5	20.50	20.15	20.20		
1.4	64QAM	3	0	20.19	20.11	20.15		
1.4	64QAM	3	1	20.28	20.12	20.22	21	
1.4	64QAM	3	3	20.22	20.13	20.20		
1.4	64QAM	6	0	20.30	20.13	20.19		

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	22	
10	QPSK	25	12	21.56	21.36	21.30		
10	QPSK	25	25	21.51	21.31	21.39		
10	QPSK	50	0	21.40	21.42	21.43	22	
10	16QAM	1	0	21.59	21.17	21.62		
10	16QAM	1	25	21.73	21.79	21.69		
10	16QAM	1	49	21.84	21.48	21.73	21	
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	21	
10	64QAM	1	49	20.43	20.53	20.28		
10	64QAM	25	0	20.35	20.33	20.27		
10	64QAM	25	12	20.30	20.22	20.26	21	
10	64QAM	25	25	20.30	20.36	20.13		
10	64QAM	50	0	20.30	20.30	20.17		
Channel				23035	23095	23155	Tune-up limit (dBm)	
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	22	
5	QPSK	12	7	21.23	21.37	21.29		
5	QPSK	12	13	21.27	21.31	21.35		
5	QPSK	25	0	21.29	21.42	21.28	22	
5	16QAM	1	0	21.55	21.09	21.40		
5	16QAM	1	12	21.38	21.64	21.40		
5	16QAM	1	24	21.46	21.49	21.07	21	
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	21	
5	64QAM	1	12	20.26	20.13	20.25		
5	64QAM	1	24	20.44	20.06	20.48		
5	64QAM	12	0	20.11	20.12	20.38	21	
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	Tune-up limit (dBm)	
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	22	
3	QPSK	8	4	21.27	21.37	21.31		
3	QPSK	8	7	21.20	21.36	21.25		
3	QPSK	15	0	21.25	21.34	21.23	22	
3	16QAM	1	0	21.47	21.90	21.80		
3	16QAM	1	8	21.52	21.53	21.51		
3	16QAM	1	14	21.51	21.50	21.52	21	
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	21	
3	64QAM	1	14	20.30	20.31	20.32		
3	64QAM	8	0	20.22	20.25	20.26		
3	64QAM	8	4	20.41	20.60	20.44	21	
3	64QAM	8	7	20.37	20.59	20.43		
3	64QAM	15	0	20.30	20.58	20.41		
Channel				23017	23095	23173	Tune-up limit (dBm)	
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	23	
1.4	QPSK	3	1	22.21	22.23	22.21		
1.4	QPSK	3	3	22.17	22.18	22.19		
1.4	QPSK	6	0	21.01	21.47	21.41	22	
1.4	16QAM	1	0	21.34	21.46	21.45		
1.4	16QAM	1	3	21.53	21.54	21.56		
1.4	16QAM	1	5	21.20	21.23	21.24	22	
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	21	
1.4	64QAM	1	5	20.21	20.26	20.33		
1.4	64QAM	3	0	20.30	20.29	20.31		
1.4	64QAM	3	1	20.31	20.41	20.45	21	
1.4	64QAM	3	3	20.40	20.38	20.43		
1.4	64QAM	6	0	20.22	20.35	20.42		

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			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	21.36			
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	

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	22.07	22.31	22.23	23
20	QPSK	1	49	22.05	22.29	22.04	
20	QPSK	1	99	21.99	22.28	21.95	
20	QPSK	50	0	21.26	21.55	21.37	22
20	QPSK	50	24	21.45	21.40	21.35	
20	QPSK	50	50	21.36	21.50	21.19	
20	QPSK	100	0	21.42	21.38	21.42	22
20	16QAM	1	0	21.34	21.67	21.63	
20	16QAM	1	49	21.15	21.11	21.37	
20	16QAM	1	99	21.48	21.45	21.26	22
20	16QAM	50	0	21.16	21.43	21.32	
20	16QAM	50	24	21.39	21.38	21.40	
20	16QAM	50	50	21.41	21.40	21.21	22
20	16QAM	100	0	21.52	21.58	21.54	
20	64QAM	1	0	20.06	20.49	20.19	
20	64QAM	1	49	20.57	20.27	20.16	21
20	64QAM	1	99	20.54	20.28	20.19	
20	64QAM	50	0	20.17	20.29	20.09	
20	64QAM	50	24	20.13	20.27	20.12	21
20	64QAM	50	50	20.14	20.12	20.07	
20	64QAM	100	0	20.08	20.17	20.04	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.10	22.25	22.07	23
15	QPSK	1	37	22.16	22.24	22.05	
15	QPSK	1	74	22.19	22.24	22.00	
15	QPSK	36	0	21.01	21.30	21.14	22
15	QPSK	36	20	21.14	21.20	21.17	
15	QPSK	36	39	21.15	21.30	20.99	
15	QPSK	75	0	21.03	21.25	21.16	22
15	16QAM	1	0	21.32	21.40	21.21	
15	16QAM	1	37	21.46	21.15	21.22	
15	16QAM	1	74	21.38	21.76	21.34	22
15	16QAM	36	0	21.11	21.36	21.34	
15	16QAM	36	20	21.27	21.49	21.30	
15	16QAM	36	39	21.29	21.39	21.11	22
15	16QAM	75	0	21.29	21.43	21.26	
15	64QAM	1	0	19.89	20.11	20.19	
15	64QAM	1	37	20.47	20.57	20.42	21
15	64QAM	1	74	20.28	20.42	20.11	
15	64QAM	36	0	20.08	20.17	20.17	
15	64QAM	36	20	20.13	20.20	20.10	21
15	64QAM	36	39	20.03	20.21	20.05	
15	64QAM	75	0	20.04	20.25	20.03	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.19	22.19	22.08	23
10	QPSK	1	25	22.01	22.20	21.90	
10	QPSK	1	49	21.90	21.94	22.01	
10	QPSK	25	0	21.03	21.09	21.08	22
10	QPSK	25	12	20.98	21.16	20.97	
10	QPSK	25	25	20.96	21.11	21.03	
10	QPSK	50	0	21.05	21.17	21.03	22
10	16QAM	1	0	21.25	21.32	21.39	
10	16QAM	1	25	21.20	21.43	21.22	
10	16QAM	1	49	21.15	21.29	21.15	22
10	16QAM	25	0	21.07	21.24	21.10	
10	16QAM	25	12	21.29	21.35	21.23	
10	16QAM	25	25	21.14	21.27	21.11	22
10	16QAM	50	0	21.06	21.29	21.08	
10	64QAM	1	0	20.38	20.51	20.44	
10	64QAM	1	25	20.32	20.67	20.27	21
10	64QAM	1	49	20.69	20.55	20.41	
10	64QAM	25	0	20.44	20.52	20.35	
10	64QAM	25	12	20.41	20.59	20.41	21
10	64QAM	25	25	20.33	20.38	20.39	
10	64QAM	50	0	20.28	20.56	20.22	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.04	22.27	22.12	23
5	QPSK	1	12	22.05	22.26	22.11	
5	QPSK	1	24	22.08	22.26	22.10	
5	QPSK	12	0	21.33	21.37	21.20	22
5	QPSK	12	7	21.41	21.37	21.21	
5	QPSK	12	13	21.36	21.37	21.21	
5	QPSK	25	0	21.40	21.34	21.21	22
5	16QAM	1	0	21.21	21.33	21.30	
5	16QAM	1	12	21.19	21.38	21.18	
5	16QAM	1	24	21.33	21.04	21.51	22
5	16QAM	12	0	21.37	21.43	21.12	
5	16QAM	12	7	21.42	21.26	21.31	
5	16QAM	12	13	21.44	21.30	21.09	22
5	16QAM	25	0	21.37	21.33	21.25	
5	64QAM	1	0	20.33	20.70	20.40	
5	64QAM	1	12	20.11	20.35	20.45	21
5	64QAM	1	24	20.40	20.42	20.32	
5	64QAM	12	0	20.13	20.16	20.10	
5	64QAM	12	7	20.20	20.16	20.19	21
5	64QAM	12	13	20.11	19.99	20.22	
5	64QAM	25	0	20.13	20.10	20.19	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.19	22.19	22.17	23
3	QPSK	1	8	22.12	22.13	22.11	
3	QPSK	1	14	21.97	22.00	21.98	
3	QPSK	8	0	21.41	21.42	21.37	22
3	QPSK	8	4	21.40	21.43	21.39	
3	QPSK	8	7	21.42	21.41	21.40	
3	QPSK	15	0	21.36	21.37	21.36	22
3	16QAM	1	0	21.36	21.35	21.36	
3	16QAM	1	8	21.06	21.43	21.42	
3	16QAM	1	14	21.64	21.42	21.41	22
3	16QAM	8	0	21.45	21.25	21.24	

3	16QAM	8	4	21.34	21.15	21.16	22
3	16QAM	8	7	21.42	21.20	21.19	
3	16QAM	15	0	21.30	21.12	21.08	
3	64QAM	1	0	20.20	21.30	21.28	21
3	64QAM	1	8	20.08	21.24	21.20	
3	64QAM	1	14	20.17	21.16	21.17	
3	64QAM	8	0	20.36	20.33	20.33	21
3	64QAM	8	4	20.42	20.41	20.40	
3	64QAM	8	7	20.37	20.36	20.38	
3	64QAM	15	0	20.28	20.29	20.30	
Channel				13197.9	13232.2	13266.5	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.81	22.25	22.13	23
1.4	QPSK	1	3	22.01	22.24	22.16	
1.4	QPSK	1	5	21.95	22.23	22.14	
1.4	QPSK	3	0	21.90	22.18	22.12	
1.4	QPSK	3	1	21.95	22.19	22.11	
1.4	QPSK	3	3	21.93	22.16	22.12	
1.4	QPSK	6	0	21.19	21.51	21.21	22
1.4	16QAM	1	0	21.17	21.53	21.47	22
1.4	16QAM	1	3	21.41	21.42	21.40	
1.4	16QAM	1	5	21.11	21.37	21.13	
1.4	16QAM	3	0	21.11	21.34	21.12	
1.4	16QAM	3	1	21.26	21.25	21.07	
1.4	16QAM	3	3	21.28	21.37	21.06	
1.4	16QAM	6	0	21.53	21.68	21.52	22
1.4	64QAM	1	0	20.21	20.41	20.52	
1.4	64QAM	1	3	20.38	20.31	20.46	21
1.4	64QAM	1	5	20.66	20.46	20.42	
1.4	64QAM	3	0	20.33	20.14	20.21	
1.4	64QAM	3	1	20.42	20.09	20.13	
1.4	64QAM	3	3	20.53	20.41	20.42	
1.4	64QAM	6	0	20.24	20.08	19.75	21

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				55340	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	
20	16QAM	1	0	22.44	22.48	22.64	22.47	22.54	23
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	
20	16QAM	50	0	22.54	22.45	22.54	22.47	22.77	23
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	
20	16QAM	100	0	22.54	22.43	22.74	22.89	22.58	23
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	
20	64QAM	1	99	22.54	22.61	22.56	22.47	22.56	23
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	
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	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	
15	16QAM	1	0	22.34	22.23	22.55	22.84	22.49	23
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	
15	16QAM	36	0	22.47	22.27	22.71	22.38	22.58	23
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	
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	23
15	64QAM	1	37	22.53	22.88	22.64	22.88	22.51	
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	23
15	64QAM	36	20	22.48	22.44	22.74	22.89	22.52	
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	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	
10	16QAM	1	0	22.34	22.29	22.16	22.31	22.56	23
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	
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	23
10	64QAM	1	25	22.47	22.26	22.71	22.36	22.58	
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	23
10	64QAM	25	12	22.45	22.34	22.71	22.33	22.62	
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	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	
5	16QAM	1	0	22.54	22.77	22.59	22.75	22.44	23
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	
5	16QAM	12	0	22.53	22.22	22.17	22.39	22.57	23
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	
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	23
5	64QAM	1	12	22.47	22.79	22.65	22.84	22.55	
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	23
5	64QAM	12	7	22.45	22.60	22.16	22.45	22.67	
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	

5G NR n2							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	25
20	DFT-s-OFDM PI/2 BPSK	1	1	23.89	23.96	23.93	
20		1	53	24.08	24.01	24.05	
20		1	104	24.05	23.98	23.91	24
20		50	1	23.60	23.50	23.41	
20		50	25	23.68	23.53	23.66	
20		50	50	23.39	23.58	23.51	
20	DFT-s-OFDM QPSK	100	0	23.51	23.61	23.48	25
20		1	1	24.16	24.19	24.16	
20		1	53	23.91	23.95	23.90	
20		1	104	24.14	24.01	24.02	
20		50	1	23.62	23.61	23.45	24
20		50	25	23.67	23.68	23.67	
20		50	50	23.52	23.55	23.59	
20		100	0	23.82	23.85	24.04	
20	DFT-s-OFDM	1	1	22.98	23.17	23.21	24
20	DFT-s-OFDM	1	1	22.52	22.67	22.53	23
20	DFT-s-OFDM	1	1	20.77	20.71	20.85	21.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM	1	1	23.74	23.64	23.70	24
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM	1	1	23.65	23.64	23.79	24
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM	1	1	23.48	23.46	22.37	24

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	24
20	CP-OFDM QPSK	1	1	23.23	23.20	23.46	
20	CP-OFDM 16QAM	1	1	23.15	22.86	22.79	24
20	CP-OFDM 64QAM	1	1	20.59	20.59	20.46	21
20	CP-OFDM 256QAM	1	1	18.53	18.65	18.53	19

5G NR n66							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	25
20	DFT-s-OFDM PI/2 BPSK	1	1	24.20	24.02	24.19	
20		1	53	24.21	24.06	24.03	
20		1	104	24.01	24.13	24.25	24
20		50	1	23.71	23.43	23.65	
20		50	25	23.58	23.52	23.47	
20		50	50	23.43	23.50	23.46	
20	DFT-s-OFDM QPSK	100	0	23.45	23.39	23.54	25
20		1	1	24.09	24.35	24.00	
20		1	53	24.30	24.10	24.23	
20		1	104	24.04	24.09	23.99	
20		50	1	23.44	23.64	23.53	24
20		50	25	23.61	23.41	23.60	
20		50	50	23.57	23.53	23.59	
20		100	0	23.36	23.66	23.46	
20	DFT-s-OFDM	1	1	23.45	23.33	23.15	24
20	DFT-s-OFDM	1	1	22.52	22.42	22.66	23
20	DFT-s-OFDM	1	1	20.65	20.48	20.78	21
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM	1	1	24.27	24.22	24.32	25
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM	1	1	23.95	23.98	24.25	25
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM	1	1	24.20	24.10	24.16	25

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1710	1745	1780	24
20	CP-OFDM QPSK	1	1	23.38	23.17	23.34	
20	CP-OFDM 16QAM	1	1	22.88	22.91	22.99	24
20	CP-OFDM 64QAM	1	1	20.42	20.52	20.61	21
20	CP-OFDM 256QAM	1	1	18.68	18.58	18.55	19

5G NR n78

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				/	/	650000	/	/	
Frequency (MHz)				/	/	3750	/	/	
100	DFT-s-OFDM PI/2 BPSK	1	1			21.48			22
100		1	136			21.28			
100		1	272			21.22			
100		135	1			20.60			21
100		135	67			20.63			
100		135	136			20.32			
100		270	0			20.53			
100									
100	DFT-s-OFDM QPSK	1	1			21.55			22
100		1	136			21.10			
100		1	272			20.21			
100		135	1			20.65			21
100		135	67			20.22			
100		135	136			20.17			
100		270	0			20.32			
100									
100	DFT-s-OFDM	1	1			20.62			21
100	DFT-s-OFDM	1	1			18.75			19
100	DFT-s-OFDM	1	1			16.91			17.5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				/	/	650000	/	/	
Frequency (MHz)				/	/	3750	/	/	
100	CP-OFDM QPSK	1	1			20.15			21
100	CP-OFDM 16QAM	1	1			19.80			20.5
100	CP-OFDM 64QAM	1	1			17.68			18.5
100	CP-OFDM 256QAM	1	1			14.85			15.5

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
3.4GHz WLAN ANT 1	802.11a 1Mbps	CH 1	2412	14.68	15.0	15	100.00
		CH 7	2442	15.96	16.5	15	
		CH 13	2472	14.62	15.5	15	
	802.11g 6Mbps	CH 3	2424	14.68	15.0	15	100.00
		CH 7	2442	15.69	16.5	15	
		CH 13	2472	14.41	15.0	15	
	802.11a-HT20 MCS0	CH 1	2412	14.57	15.0	15	100.00
		CH 7	2442	15.64	16.5	15	
		CH 13	2472	14.33	15.0	15	
	802.11a-HT40 MCS0	CH 3	2424	14.45	15.0	15	100.00
		CH 7	2442	15.76	16.5	15	
		CH 13	2462	14.73	15.0	15	

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	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	
	802.11a-HT20 MCS0	CH 36	5180	11.96	12.5	13	100.00
		CH 44	5220	12.21	13.0	13	
		CH 48	5240	12.22	13.0	13	
	802.11a-VHT20 MCS0	CH 36	5180	11.18	12.0	13	100.00
		CH 44	5220	12.16	13.0	13	
		CH 48	5240	12.27	13.0	13	
	802.11a-VHT40 MCS0	CH 36	5180	12.10	13.0	13	100.00
		CH 46	5230	12.27	13.0	13	
		CH 42	5210	12.23	13.0	13	
	802.11a-VHT80 MCS0 (RU242)	CH 36	5180	12.00	13.0	14	100.00
		CH 44	5220	12.24	13.0	14	
		CH 48	5240	12.41	13.0	14	
	802.11a-HEW20 MCS0 (RU26)	CH 36	5180	11.76	12.5	14	100.00
		CH 44	5220	12.00	13.0	14	
		CH 48	5240	12.49	13.0	14	
	802.11a-HEW20 MCS0 (RU52)	CH 36	5180	12.08	13.0	14	100.00
		CH 44	5220	12.39	13.0	14	
		CH 48	5240	12.62	13.0	14	
	802.11a-HEW20 MCS0 (RU106)	CH 36	5180	11.77	12.5	14	100.00
		CH 44	5220	12.24	13.0	14	
		CH 48	5240	12.48	13.0	14	
	802.11a-HEW40 MCS0	CH 36	5180	11.98	12.5	13	100.00
		CH 46	5230	12.15	13.0	13	
		CH 42	5210	12.18	13.0	13	

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a MCS0	CH 149	5745	12.09	13.00	13	100.00
		CH 157	5785	12.15	13.00	13	
		CH 165	5825	11.77	12.50	13	
	802.11a-HT20 MCS0	CH 149	5745	11.95	12.50	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	11.64	12.00	13	
	802.11a-VHT20 MCS0	CH 149	5745	11.94	12.00	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	11.65	12.00	13	
	802.11a-VHT40 MCS0	CH 149	5745	12.08	13.00	13	100.00
		CH 157	5785	12.12	13.00	13	
		CH 165	5795	12.12	13.00	13	
	802.11a-VHT80 MCS0	CH 149	5745	12.09	13.00	13	100.00
		CH 155	5775	12.09	13.00	13	
		CH 165	5825	12.37	13.00	14	
	802.11a-HEW20 MCS0 (RU242)	CH 149	5745	12.18	13.00	14	100.00
		CH 157	5785	12.18	13.00	14	
		CH 165	5825	11.77	12.50	14	
	802.11a-HEW20 MCS0 (RU26)	CH 149	5745	11.90	12.50	14	100.00
		CH 157	5785	11.78	12.50	14	
		CH 165	5825	11.50	12.00	14	
	802.11a-HEW20 MCS0 (RU52)	CH 149	5745	11.79	12.50	14	100.00
		CH 157	5785	11.60	12.50	14	
		CH 165	5825	11.50	12.00	14	
	802.11a-HEW40 MCS0 (RU106)	CH 149	5745	12.13	13.00	14	100.00
		CH 157	5785	12.18	13.00	14	
		CH 165	5825	11.56	12.00	14	
	802.11a-HEW40 MCS0	CH 149	5745	12.10	13.00	13	100.00
		CH 155	5775	11.85	12.50	13	
		CH 155	5775	12.02	13.00	13	

2.4GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 2	802.11a 1Mbps	CH 1	2412	15.82	16.50	15	100.00
		CH 7	2442	15.52	16.00	15	
		CH 13	2472	14.60	15.50	15	
	802.11g 6Mbps	CH 1	2412	15.50	16.00	15	100.00
		CH 7	2442	15.34	16.00	15	
		CH 13	2472	14.48	15.00	15	
	802.11a-HT20 MCS0	CH 1	2412	15.38	16.00	15	100.00
		CH 7	2442	15.24	16.00	15	
		CH 13	2472	14.35	15.00	15	
	802.11a-HT40 MCS0	CH 3	2424	15.38	16.00	15	100.00
		CH 7	2442	15.18	16.00	15	
		CH 11	2462	14.60	15.00	15	

5.2GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 2	802.11a 6Mbps	CH 36	5180	11.44	12.00	13	100.00
		CH 44	5220	11.65	12.00	13	
		CH 48	5240	11.82	12.50	13	
	802.11a-HT20 MCS0	CH 36	5180	11.26	12.00	13	100.00
		CH 44	5220	11.47	12.00	13	
		CH 48	5240	11.65	12.00	13	
	802.11a-VHT20 MCS0	CH 36	5180	11.25	12.00	13	100.00
		CH 44	5220	11.48	12.00	13	
		CH 48	5240	11.64	12.00	13	
	802.11a-VHT40 MCS0	CH 36	5180	11.49	12.00	13	100.00
		CH 46	5230	11.64	12.00	13	
		CH 42	5210	11.36	12.00	13	
	802.11a-VHT80 MCS0	CH 36	5180	11.37	12.00	14	100.00
		CH 44	5220	11.39	12.00	14	
		CH 48	5240	11.73	12.50	14	
	802.11a-HEW20 MCS0 (RU26)	CH 36	5180	10.79	11.50	14	100.00
		CH 44	5220	10.88	11.50	14	
		CH 48	5240	10.97	11.50	14	
	802.11a-HEW20 MCS0 (RU52)	CH 36	5180	10.87	11.50	14	100.00
		CH 44	5220	10.97	11.50	14	
		CH 48	5240	11.15	12.00	14	
	802.11a-HEW20 MCS0 (RU106)	CH 36	5180	10.80	11.50	14	100.00
		CH 44	5220	11.20	12.00	14	
		CH 48	5240	11.09	12.00	14	
	802.11a-HEW40 MCS0	CH 36	5180	11.28	12.00	13	100.00
		CH 46	5230	11.52	12.00	13	
		CH 42	5210	11.35	12.00	13	

5.8 WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	12.25	13.00	13	100.00
		CH 157	5785	12.08	13.00	13	
		CH 165	5825	12.27	13.00	13	
	802.11a-HT20 MCS0	CH 149	5745	12.14	13.00	13	100.00
		CH 157	5785	12.08	13.00	13	
		CH 165	5825	12.25	13.00	13	
	802.11a-VHT20 MCS0	CH 149	5745	12.11	13.00	13	100.00
		CH 157	5785	12.02	13.00	13	
		CH 165	5825	12.25	13.00	13	
	802.11a-VHT40 MCS0	CH 149	5745	12.22	13.00	14	100.00
		CH 157	5785	12.03	13.00	14	
		CH 165	5825	12.17	13.00	14	
	802.11a-HEW20 MCS0 (RU26)	CH 149	5745	10.78	11.50	14	100.00
		CH 157	5785	10.85	11.50	14	
		CH 165	5825	10.89	11.50	14	
	802.11a-HEW20 MCS0 (RU52)	CH 149	5745	10.80	11.50	14	100.00
		CH 157	5785	10.87	11.00	14	
		CH 165	5825	10.89	11.50	14	
	800.11a-HEW40 MCS0 (RU106)	CH 149	5745	10.42	11.00	14	100.00
		CH 157	5785	10.26	11.00	14	
		CH 165	5795	10.95	11.50	14	
	802.11a-HEW40 MCS0	CH 149	5745	11.11	11.00	13	100.00
		CH 155	5775	11.09	11.00	13	
		CH 155	5775	12.15	13.00	13	

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	23.80	24.5
132322	132373	132472	QPSK	1	0	0	0	1	0	24.34	24.5
132572	132523	132622	QPSK	1	0	0	0	1	0	24.32	24.5

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	23.78	24.5
132322	132323	132521	QPSK	1	0	0	0	1	0	24.17	24.5
132572	132374	132572	QPSK	1	0	0	0	1	0	24.2	24.5

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

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	24.07	24.5
	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	23.57	24
	CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132322	1745	23.54	24

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	1760	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	56386	3664.6	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	