



REPORT No.: SZ21070331S01

Annex E Conducted Power

Conducted Full 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		9682	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	24.70	24.54	24.30	25.50	24.34	24.61	24.86	25.50	24.38	24.22	24.29	25.00
3GPP Rel 6	HSDPA Subtest-1	22.72	22.90	22.92	23.50	22.89	23.11	23.03	23.50	22.38	22.19	22.31	23.00
3GPP Rel 6	HSDPA Subtest-2	22.75	22.85	22.95	23.50	22.92	23.04	22.97	23.50	22.30	22.13	22.36	23.00
3GPP Rel 6	HSDPA Subtest-3	22.36	22.50	22.48	23.00	22.43	22.55	22.58	23.00	21.88	21.88	21.79	22.50
3GPP Rel 6	HSDPA Subtest-4	22.26	22.40	22.38	23.00	22.43	22.66	22.51	23.00	21.86	21.68	21.78	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.88	22.94	22.95	23.50	22.99	23.12	23.13	23.50	22.41	22.35	22.38	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.90	22.91	22.97	23.50	22.92	23.14	23.12	23.50	22.43	22.36	22.39	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.35	22.42	22.45	23.00	22.42	22.67	22.60	23.00	21.91	21.85	21.93	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.36	22.40	22.43	23.00	22.41	22.61	22.63	23.00	21.91	21.83	21.92	22.50
3GPP Rel 6	HSUPA Subtest-1	22.71	22.83	22.83	23.50	22.91	23.05	23.02	23.50	22.30	22.43	22.23	23.00
3GPP Rel 6	HSUPA Subtest-2	22.27	22.35	22.44	23.00	22.39	22.60	22.57	23.00	21.86	21.82	21.75	22.50
3GPP Rel 6	HSUPA Subtest-3	22.82	22.84	22.83	23.50	22.93	22.97	23.01	23.50	22.32	22.28	22.23	23.00
3GPP Rel 6	HSUPA Subtest-4	22.70	22.81	22.86	23.50	22.87	23.01	23.04	23.50	22.31	22.18	22.25	23.00
3GPP Rel 6	HSUPA Subtest-5	22.81	22.93	22.82	23.50	22.99	22.96	22.99	23.50	22.34	22.24	22.34	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.76	22.87	22.86	23.50	22.87	23.10	22.94	23.85	22.39	22.29	22.31	23.00

LTE Band 2							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	24
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.34	23.43	23.39	
20	QPSK	1	49	23.28	23.29	23.26	23
20	QPSK	1	99	23.24	23.42	23.36	
20	QPSK	50	0	22.63	22.68	22.60	
20	QPSK	50	24	22.43	22.39	22.43	23
20	QPSK	50	50	22.42	22.44	22.39	
20	QPSK	100	0	22.47	22.44	22.30	
20	16QAM	1	0	22.63	22.24	22.63	23
20	16QAM	1	49	22.10	22.44	22.39	
20	16QAM	1	99	22.13	22.51	21.70	
20	16QAM	50	0	22.14	22.26	22.19	23
20	16QAM	50	24	22.34	22.21	22.23	
20	16QAM	50	50	22.35	22.23	22.29	
20	16QAM	100	0	22.30	22.23	22.10	22
20	64QAM	1	0	21.40	21.15	21.48	
20	64QAM	1	49	21.16	21.21	21.30	
20	64QAM	1	99	21.20	21.54	21.60	22
20	64QAM	50	0	21.20	21.27	21.21	
20	64QAM	50	24	21.30	21.16	21.31	
20	64QAM	50	50	21.31	21.36	21.29	22
20	64QAM	100	0	21.37	21.28	21.23	
Channel				18675	18900	19125	24
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.12	23.14	23.13	
15	QPSK	1	37	23.14	23.14	23.14	23
15	QPSK	1	74	23.08	23.13	23.14	
15	QPSK	36	0	22.24	22.23	22.16	
15	QPSK	36	20	22.28	22.22	22.28	23
15	QPSK	36	39	22.24	22.34	22.19	
15	QPSK	75	0	22.31	22.13	22.22	
15	16QAM	1	0	22.39	22.59	22.73	23
15	16QAM	1	37	22.52	22.44	22.27	
15	16QAM	1	74	22.33	22.64	22.59	
15	16QAM	36	0	22.30	22.28	22.19	23
15	16QAM	36	20	22.40	22.30	22.33	
15	16QAM	36	39	22.32	22.28	22.34	
15	16QAM	75	0	22.16	22.28	22.28	22
15	64QAM	1	0	21.27	21.47	21.34	
15	64QAM	1	37	21.46	21.31	21.31	
15	64QAM	1	74	21.46	21.39	21.40	22
15	64QAM	36	0	21.24	21.29	21.20	
15	64QAM	36	20	21.32	21.28	21.35	
15	64QAM	36	39	21.39	21.22	21.33	22
15	64QAM	75	0	21.23	21.27	21.31	
Channel				18650	18900	19150	24
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.98	22.99	22.99	
10	QPSK	1	25	23.03	23.08	23.07	23
10	QPSK	1	49	22.91	23.06	23.15	
10	QPSK	25	0	22.20	22.07	21.98	
10	QPSK	25	12	22.21	22.19	22.13	23
10	QPSK	25	25	22.15	22.18	22.19	
10	QPSK	50	0	22.19	22.18	22.03	
10	16QAM	1	0	22.37	22.13	22.44	23
10	16QAM	1	25	22.46	22.63	22.48	
10	16QAM	1	49	22.63	22.31	22.40	
10	16QAM	25	0	22.43	22.36	22.28	23
10	16QAM	25	12	22.35	22.41	22.42	
10	16QAM	25	25	22.38	22.42	22.39	
10	16QAM	50	0	22.38	22.45	22.39	22
10	64QAM	1	0	21.05	21.31	21.66	
10	64QAM	1	25	21.17	21.54	21.29	
10	64QAM	1	49	21.45	21.43	21.65	22
10	64QAM	25	0	21.39	21.11	21.23	
10	64QAM	25	12	21.24	21.27	21.18	
10	64QAM	25	25	21.37	21.23	21.28	22
10	64QAM	50	0	21.33	21.19	21.25	
Channel				18625	18900	19175	24
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.98	23.15	23.04	
5	QPSK	1	12	22.99	23.15	23.03	23
5	QPSK	1	24	23.14	23.03	23.03	
5	QPSK	12	0	22.13	22.14	22.13	
5	QPSK	12	7	22.33	22.37	22.39	23
5	QPSK	12	13	22.34	22.36	22.30	
5	QPSK	25	0	22.26	22.25	22.27	
5	16QAM	1	0	22.26	22.12	22.29	23
5	16QAM	1	12	22.23	22.35	22.26	
5	16QAM	1	24	22.03	22.58	22.05	
5	16QAM	12	0	22.45	22.36	22.40	23
5	16QAM	12	7	22.41	22.48	22.40	
5	16QAM	12	13	22.36	22.48	22.45	
5	16QAM	25	0	22.32	22.35	22.38	22
5	64QAM	1	0	21.65	21.07	21.23	
5	64QAM	1	12	21.30	21.45	21.49	
5	64QAM	1	24	21.03	21.51	21.24	22
5	64QAM	12	0	21.30	21.23	21.36	
5	64QAM	12	7	21.27	21.16	21.24	
5	64QAM	12	13	21.11	21.28	21.27	22
5	64QAM	25	0	21.26	21.16	21.19	
Channel				18615	18900	19185	24
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.86	22.72	22.77	
3	QPSK	1	8	22.82	22.92	22.85	23
3	QPSK	1	14	22.77	22.71	22.85	
3	QPSK	8	0	22.25	22.21	22.21	
3	QPSK	8	4	22.22	22.24	22.27	23
3	QPSK	8	7	22.19	22.22	22.20	
3	QPSK	15	0	22.24	22.16	22.22	
3	16QAM	1	0	21.91	22.22	22.39	23
3	16QAM	1	8	22.39	22.42	22.41	
3	16QAM	1	14	22.09	22.10	22.38	
3	16QAM	8	0	22.42	22.34	22.30	23
3	16QAM	8	4	22.33	22.40	22.39	
3	16QAM	8	7	22.35	22.44	22.44	
3	16QAM	15	0	22.43	22.25	22.16	22
3	64QAM	1	0	21.19	21.23	21.56	
3	64QAM	1	8	21.68	21.69	21.77	
3	64QAM	1	14	21.48	21.27	21.70	

LTE Band 4							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	24
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.26	23.35	23.34	
20	QPSK	1	49	22.97	23.31	23.32	23
20	QPSK	1	99	23.05	23.30	23.33	
20	QPSK	50	0	22.26	22.34	22.32	
20	QPSK	50	24	22.26	22.25	22.26	23
20	QPSK	50	50	22.15	22.31	22.27	
20	QPSK	100	0	22.22	22.35	22.29	
20	16QAM	1	0	22.39	22.42	22.63	23
20	16QAM	1	49	22.10	22.44	22.52	
20	16QAM	1	99	22.57	22.15	22.13	
20	16QAM	50	0	22.25	22.33	22.47	23
20	16QAM	50	24	22.18	22.31	22.31	
20	16QAM	50	50	22.12	22.32	22.33	
20	16QAM	100	0	22.14	22.30	22.42	22
20	64QAM	1	0	21.16	21.49	21.62	
20	64QAM	1	49	21.22	21.64	21.17	
20	64QAM	1	99	21.44	21.34	21.22	22
20	64QAM	50	0	21.08	21.40	21.35	
20	64QAM	50	24	21.29	21.39	21.38	
20	64QAM	50	50	21.29	21.25	21.20	22
20	64QAM	100	0	21.30	21.25	21.38	
Channel				20025	20175	20325	24
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.17	23.22	23.31	
15	QPSK	1	37	23.02	23.22	23.31	23
15	QPSK	1	74	23.27	23.19	23.30	
15	QPSK	36	0	22.19	22.44	22.42	
15	QPSK	36	20	22.28	22.38	22.35	23
15	QPSK	36	39	22.27	22.44	22.43	
15	QPSK	75	0	22.28	22.46	22.48	
15	16QAM	1	0	22.78	22.48	23.06	23
15	16QAM	1	37	22.28	22.40	22.99	
15	16QAM	1	74	22.61	22.40	22.60	
15	16QAM	36	0	22.17	22.31	22.14	23
15	16QAM	36	20	22.19	22.32	22.04	
15	16QAM	36	39	22.09	22.31	22.10	
15	16QAM	75	0	22.16	22.19	22.25	22
15	64QAM	1	0	21.44	21.63	21.24	
15	64QAM	1	37	21.42	21.33	21.66	
15	64QAM	1	74	21.26	21.25	21.99	22
15	64QAM	36	0	21.29	21.43	21.51	
15	64QAM	36	20	21.34	21.43	21.35	
15	64QAM	36	39	21.25	21.51	21.38	22
15	64QAM	75	0	21.38	21.41	21.39	
Channel				20000	20175	20350	24
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.12	23.16	23.22	
10	QPSK	1	25	22.98	23.28	23.21	23

3	64QAM	8	0	21.33	21.24	21.25	22
3	64QAM	8	4	21.24	21.48	21.39	
3	64QAM	8	7	21.37	21.49	21.26	
3	64QAM	15	0	21.30	21.36	21.25	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.17	23.20	23.19	24
1.4	QPSK	1	3	23.16	23.20	23.17	
1.4	QPSK	1	5	23.13	23.17	23.13	
1.4	QPSK	3	0	23.17	23.14	23.11	
1.4	QPSK	3	1	23.21	22.70	23.13	
1.4	QPSK	3	3	23.13	23.15	23.12	
1.4	QPSK	6	0	22.16	22.14	21.99	23
1.4	16QAM	1	0	21.97	22.17	22.43	23
1.4	16QAM	1	3	22.23	22.41	22.09	
1.4	16QAM	1	5	22.20	22.26	22.03	
1.4	16QAM	3	0	22.02	22.09	22.21	
1.4	16QAM	3	1	22.14	22.13	22.15	
1.4	16QAM	3	3	22.05	22.01	22.13	
1.4	16QAM	6	0	22.07	22.27	22.09	23
1.4	64QAM	1	0	21.13	21.81	21.14	22
1.4	64QAM	1	3	21.14	21.21	21.41	
1.4	64QAM	1	5	21.74	21.01	21.63	
1.4	64QAM	3	0	21.34	21.18	21.12	
1.4	64QAM	3	1	21.02	21.05	21.13	
1.4	64QAM	3	3	21.24	21.28	21.14	
1.4	64QAM	6	0	21.21	21.22	21.02	22

3	64QAM	8	0	21.43	21.51	21.53	22
3	64QAM	8	4	21.49	21.50	21.49	
3	64QAM	8	7	21.52	21.51	21.50	
3	64QAM	15	0	21.53	21.67	21.61	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.11	23.22	23.32	24
1.4	QPSK	1	3	23.10	23.25	23.21	
1.4	QPSK	1	5	23.05	23.09	23.07	
1.4	QPSK	3	0	23.20	23.07	23.06	
1.4	QPSK	3	1	23.02	23.04	23.03	
1.4	QPSK	3	3	23.20	23.20	23.12	
1.4	QPSK	6	0	22.25	22.67	22.62	23
1.4	16QAM	1	0	22.59	22.49	22.45	23
1.4	16QAM	1	3	22.33	22.47	22.44	
1.4	16QAM	1	5	22.50	22.46	22.39	
1.4	16QAM	3	0	22.01	22.36	22.33	
1.4	16QAM	3	1	22.25	22.30	22.26	
1.4	16QAM	3	3	22.19	22.20	22.19	
1.4	16QAM	6	0	22.17	22.52	22.54	23
1.4	64QAM	1	0	21.98	21.87	21.97	22
1.4	64QAM	1	3	21.59	21.81	21.85	
1.4	64QAM	1	5	21.37	21.77	21.81	
1.4	64QAM	3	0	21.50	21.69	21.80	
1.4	64QAM	3	1	21.31	21.65	21.77	
1.4	64QAM	3	3	21.27	21.63	21.74	
1.4	64QAM	6	0	21.37	21.63	21.73	22

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	23		
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	21
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	
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	21
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	
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	20.51	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	21
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	
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			24		
Frequency (MHz)				782					
10	QPSK	1	0	23.55			23	23	24
10	QPSK	1	25	23.42					
10	QPSK	1	49	23.48					
10	QPSK	25	0	22.77					
10	QPSK	25	12	22.52			23	23	24
10	QPSK	25	25	22.62					
10	QPSK	50	0	22.59					
10	16QAM	1	0	22.49					
10	16QAM	1	25	22.47			23	23	24
10	16QAM	1	49	22.36					
10	16QAM	25	0	21.35					
10	16QAM	25	12	21.38					
10	16QAM	25	25	21.37			22	22	23
10	16QAM	50	0	21.44					
10	64QAM	1	0	21.46					
10	64QAM	1	25	21.53			22	22	23
10	64QAM	1	49	21.22					
10	64QAM	25	0	21.22					
10	64QAM	25	12	21.43					
10	64QAM	25	25	21.42			22	22	23
10	64QAM	50	0	21.22					
Channel				23205	23230	23255	24		
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.37	23.34	23.35	23	23	24
5	QPSK	1	12	23.24	23.22	23.27			
5	QPSK	1	24	23.39	23.32	23.43			
5	QPSK	12	0	22.45	22.46	22.58			
5	QPSK	12	7	22.56	22.58	22.63	23	23	24
5	QPSK	12	13	22.60	22.64	22.70			
5	QPSK	25	0	22.40	22.52	22.62			
5	16QAM	1	0	22.48	22.78	22.82			
5	16QAM	1	12	22.64	22.66	22.78	23	23	24
5	16QAM	1	24	23.13	22.68	23.12			
5	16QAM	12	0	21.33	21.34	21.47			
5	16QAM	12	7	21.33	21.41	21.49			
5	16QAM	12	13	21.36	21.35	21.59	22	22	23
5	16QAM	25	0	21.35	21.22	21.46			
5	64QAM	1	0	21.54	21.56	21.63			
5	64QAM	1	12	21.15	21.43	21.73			
5	64QAM	1	24	21.44	21.57	21.40	22	22	23
5	64QAM	12	0	21.19	21.23	21.31			
5	64QAM	12	7	21.27	21.34	21.46			
5	64QAM	12	13	21.38	21.51	21.53			
5	64QAM	25	0	21.40	21.31	21.44			

LTE Band 66											
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)				
Channel				132072	132322	132572	24				
Frequency (MHz)				1720	1745	1770					
20	QPSK	1	0	23.21	23.45	23.37	23	23	24		
20	QPSK	1	49	23.19	23.43	23.18					
20	QPSK	1	99	23.13	23.42	23.09					
20	QPSK	50	0	22.40	22.69	22.51					
20	QPSK	50	24	22.59	22.54	22.49	23	23	24		
20	QPSK	50	50	22.50	22.64	22.33					
20	QPSK	100	0	22.56	22.52	22.56					
20	16QAM	1	0	22.48	22.81	22.77					
20	16QAM	1	49	22.29	22.25	22.51	23	23	24		
20	16QAM	1	99	22.62	22.59	22.40					
20	16QAM	50	0	22.30	22.57	22.46					
20	16QAM	50	24	22.53	22.52	22.54					
20	16QAM	50	50	22.55	22.54	22.35	22	22	23		
20	16QAM	100	0	22.66	22.72	22.68					
20	64QAM	1	0	21.20	21.63	21.33					
20	64QAM	1	49	21.71	21.41	21.30					
20	64QAM	1	99	21.68	21.42	21.33	22	22	23		
20	64QAM	50	0	21.31	21.43	21.23					
20	64QAM	50	24	21.27	21.41	21.26					
20	64QAM	50	50	21.28	21.26	21.21					
20	64QAM	100	0	21.22	21.31	21.18					
Channel				132047	132322	132597	Tune-up limit (dBm)				
Frequency (MHz)				1717.5	1745	1772.5	24				
15	QPSK	1	0	23.24	23.39	23.21					
15	QPSK	1	37	23.30	23.38	23.19	23	23	24		
15	QPSK	1	74	23.33	23.38	23.14					
15	QPSK	36	0	22.15	22.44	22.28					
15	QPSK	36	20	22.28	22.34	22.31					
15	QPSK	36	39	22.29	22.44	22.13	23	23	24		
15	QPSK	75	0	22.17	22.39	22.30					
15	16QAM	1	0	22.46	22.54	22.35					
15	16QAM	1	37	22.60	22.29	22.36					
15	16QAM	1	74	22.52	22.90	22.48	23	23	24		
15	16QAM	36	0	22.25	22.50	22.48					
15	16QAM	36	20	22.41	22.63	22.44					
15	16QAM	36	39	22.43	22.53	22.25					
15	16QAM	75	0	22.43	22.57	22.40	22	22	23		
15	64QAM	1	0	21.03	21.25	21.33					
15	64QAM	1	37	21.61	21.71	21.56					
15	64QAM	1	74	21.42	21.56	21.25					
15	64QAM	36	0	21.22	21.31	21.31	22			22	23
15	64QAM	36	20	21.27	21.34	21.24					
15	64QAM	36	39	21.17	21.35	21.19					
15	64QAM	75	0	21.18	21.39	21.17					
Channel				132022	132322	132622	Tune-up limit (dBm)				
Frequency (MHz)				1715	1745	1775	24				
10	QPSK	1	0	23.33	23.33	23.22					
10	QPSK	1	25	23.15	23.34	23.04	23	23	24		
10	QPSK	1	49	23.04	23.08	23.15					
10	QPSK	25	0	22.17	22.23	22.22					
10	QPSK	25	12	22.12	22.30	22.11					
10	QPSK	25	25	22.10	22.25	22.17	23	23	24		
10	QPSK	50	0	22.19	22.31	22.17					
10	16QAM	1	0	22.39	22.46	22.53					
10	16QAM	1	25	22.34	22.57	22.36					
10	16QAM	1	49	22.29	22.43	22.29	23	23	24		
10	16QAM	25	0	22.21	22.38	22.24					
10	16QAM	25	12	22.43	22.49	22.37					
10	16QAM	25	25	22.28	22.41	22.25					
10	16QAM	50	0	22.20	22.43	22.22	22	22	23		
10	64QAM	1	0	21.52	21.65	21.58					
10	64QAM	1	25	21.46	21.81	21.41					
10	64QAM	1	49	21.83	21.69	21.55					
10	64QAM	25	0	21.58	21.66	21.49	22			22	23
10	64QAM	25	12	21.55	21.73	21.55					
10	64QAM	25	25	21.47	21.52	21.53					
10	64QAM	50	0	21.42	21.70	21.36					
Channel				131997	132322	132647	Tune-up limit (dBm)				
Frequency (MHz)				1712.5	1745	1777.5	24				
5	QPSK	1	0	23.18	23.41	23.26					
5	QPSK	1	12	23.19	23.40	23.25	23	23	24		
5	QPSK	1	24	23.22	23.40	23.24					
5	QPSK	12	0	22.47	22.51	22.34					
5	QPSK	12	7	22.55	22.51	22.35					
5	QPSK	12	13	22.50	22.51	22.35	23	23	24		
5	QPSK	25	0	22.54	22.48	22.35					
5	16QAM	1	0	22.35	22.47	22.44					
5	16QAM	1	12	22.33	22.52	22.32					
5	16QAM	1	24	22.47	22.18	22.65	23	23	24		
5	16QAM	12	0	22.51	22.57	22.26					
5	16QAM	12	7	22.56	22.40	22.45					
5	16QAM	12	13	22.58	22.44	22.23					
5	16QAM	25	0	22.51	22.47	22.39	22	22	23		
5	64QAM	1	0	21.47	21.84	21.54					
5	64QAM	1	12	21.25	21.49	21.59					
5	64QAM	1	24	21.54	21.56	21.46					
5	64QAM	12	0	21.27	21.30	21.24	22			22	23
5	64QAM	12	7	21.34	21.30	21.33					
5	64QAM	12	13	21.25	21.13	21.36					
5	64QAM	25	0	21.27	21.24	21.33					
Channel				131987	132322	132657	Tune-up limit (dBm)				
Frequency (MHz)				1711.5	1745	1778.5	24				
3	QPSK	1	0	23.33	23.33	23.31					
3	QPSK	1	8	23.26	23.27	23.25	23	23	24		
3	QPSK	1	14	23.11	23.14	23.12					
3	QPSK	8	0	22.55	22.56	22.51					
3	QPSK	8	4	22.54	22.57	22.53					
3	QPSK	8	7	22.56	22.55	22.54	23	23	24		
3	QPSK	15	0	22.50	22.51	22.50					
3	16QAM	1	0	22.50	22.49	22.50					
3	16QAM	1	8	22.20	22.57	22.56					
3	16QAM	1	14	22.78	22.56	22.55	23	23	24		
3	16QAM	8	0	22.59	22.39	22.38					
3	16QAM	8	4	22.48	22.29	22.30					
3	16QAM	8	7	22.56	22.34	22.33					
3	16QAM	15	0	22.44	22.26	22.22	22	22	23		
3	64QAM	1	0	21.34	21.44	21.42					
3	64QAM	1	8	21.22	21.38	21.34					
3	64QAM	1	14	21.31	21.30	21.31					

3	64QAM	8	0	21.50	21.47	21.47	22
3	64QAM	8	4	21.56	21.55	21.54	
3	64QAM	8	7	21.51	21.50	21.52	
3	64QAM	15	0	21.42	21.43	21.44	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.95	23.39	23.27	24
1.4	QPSK	1	3	23.15	23.38	23.30	
1.4	QPSK	1	5	23.09	23.37	23.28	
1.4	QPSK	3	0	23.04	23.32	23.26	
1.4	QPSK	3	1	23.09	23.33	23.25	
1.4	QPSK	3	3	23.07	23.30	23.26	
1.4	QPSK	6	0	22.33	22.65	22.35	23
1.4	16QAM	1	0	22.31	22.67	22.61	23
1.4	16QAM	1	3	22.55	22.56	22.54	
1.4	16QAM	1	5	22.25	22.51	22.27	
1.4	16QAM	3	0	22.25	22.48	22.26	
1.4	16QAM	3	1	22.40	22.39	22.21	
1.4	16QAM	3	3	22.42	22.51	22.20	
1.4	16QAM	6	0	22.67	22.82	22.66	23
1.4	64QAM	1	0	21.35	21.55	21.66	22
1.4	64QAM	1	3	21.52	21.45	21.60	
1.4	64QAM	1	5	21.80	21.60	21.56	
1.4	64QAM	3	0	21.47	21.28	21.35	
1.4	64QAM	3	1	21.56	21.23	21.27	
1.4	64QAM	3	3	21.67	21.55	21.56	
1.4	64QAM	6	0	21.38	21.22	20.89	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	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	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	22.65	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	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	
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	23
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	Tune-up limit (dBm)
Channel				55265	55810	55990	56170	56175	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	24
5	QPSK	1	0	23.14	23.15	23.24	23.47	23.44	
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	23
5	QPSK	12	0	22.54	22.28	22.62	22.66	22.75	
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	23
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	
5	16QAM	1	12	22.49	22.38	22.76	22.92	22.60	23
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	
5	16QAM	12	7	22.38	22.34	22.12	22.49	22.68	23
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	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.89	23.96	23.93	25
20		1	53	24.08	24.01	24.05	
20		1	104	24.05	23.98	23.91	
20		50	1	23.60	23.50	23.41	24
20		50	25	23.68	23.53	23.66	
20		50	50	23.39	23.58	23.51	
20		100	0	23.51	23.61	23.48	
20	DFT-s-OFDM QPSK	1	1	24.16	24.19	24.16	25
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 16QAM	1	1	22.98	23.17	23.21	24
20	DFT-s-OFDM 64QAM	1	1	22.52	22.67	22.53	23
20	DFT-s-OFDM 256QAM	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 QPSK	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 QPSK	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 QPSK	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	
20	CP-OFDM QPSK	1	1	23.23	23.20	23.46	24
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	
20	DFT-s-OFDM PI/2 BPSK	1	1	24.20	24.02	24.19	25
20		1	53	24.21	24.06	24.03	
20		1	104	24.01	24.13	24.25	
20		50	1	23.71	23.43	23.65	24
20		50	25	23.58	23.52	23.47	
20		50	50	23.43	23.50	23.46	
20		100	0	23.45	23.39	23.54	
20	DFT-s-OFDM QPSK	1	1	24.09	24.35	24.00	25
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 16QAM	1	1	23.45	23.33	23.15	24
20	DFT-s-OFDM 64QAM	1	1	22.52	22.42	22.66	23
20	DFT-s-OFDM 256QAM	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 QPSK	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 QPSK	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 QPSK	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	
20	CP-OFDM QPSK	1	1	23.38	23.17	23.34	24
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	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	DFT-s-OFDM 16QAM	1	1			20.62			21
100	DFT-s-OFDM 64QAM	1	1			18.75			19
100	DFT-s-OFDM 256QAM	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

DC_66A_N2 (1850 ~ 1910MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM Pi/2 BPSK	1	1	22.41	22.34	22.29	23
20		1	53	22.49	22.43	22.35	
20		1	104	22.31	22.51	22.29	
20		50	1	22.09	22.07	22.28	23
20		50	25	22.51	22.30	22.44	
20		50	50	22.37	22.22	22.33	
20	DFT-s-OFDM QPSK	100	0	22.33	22.06	22.18	23
20		1	1	22.48	22.75	22.60	
20		1	53	22.39	22.33	22.39	
20		1	104	22.27	22.46	22.43	23
20		50	1	22.45	22.48	22.02	
20		50	25	22.47	22.46	22.47	
20	DFT-s-OFDM 16QAM	50	50	22.34	22.18	22.21	23
20		100	0	21.81	21.97	21.90	
20		1	1	21.35	21.05	20.94	
20	DFT-s-OFDM 64QAM	1	1	20.07	20.33	20.13	21
20	DFT-s-OFDM 256QAM	1	1	17.77	18.25	18.19	19
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	DFT-s-OFDM Pi/2 BPSK	1	1	22.43	22.27	22.00	
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	DFT-s-OFDM Pi/2 BPSK	1	1	22.29	22.12	22.15	
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	DFT-s-OFDM Pi/2 BPSK	1	1	22.30	22.19	22.11	
20.65							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	20.65	20.21	20.46	21
20	CP-OFDM 16QAM	1	1	20.62	20.34	20.17	21
20	CP-OFDM 64QAM	1	1	18.82	18.71	18.68	19.5
20	CP-OFDM 256QAM	1	1	16.18	16.07	16.40	17

DC_13A_N2 (1850 ~ 1910MHz)							
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	
20	DFT-s-OFDM Pi/2 BPSK	1	1	21.92	21.31	20.75	23
20		1	53	22.24	22.15	21.09	
20		1	104	21.27	20.95	20.76	
20		50	1	21.92	22.05	21.87	23
20		50	25	22.08	21.96	21.79	
20		50	50	22.15	21.15	21.44	
20	DFT-s-OFDM QPSK	100	0	22.03	21.95	21.87	23
20		1	1	22.02	22.29	21.56	
20		1	53	22.14	22.19	22.17	
20		1	104	22.26	20.96	21.35	23
20		50	1	20.83	22.27	21.85	
20		50	25	21.82	22.18	21.85	
20	DFT-s-OFDM 16QAM	50	50	22.02	21.20	21.57	23
20		100	0	21.76	21.81	21.84	
20		1	1	20.59	21.09	21.07	
20	DFT-s-OFDM 64QAM	1	1	20.30	20.60	20.66	21
20	DFT-s-OFDM 256QAM	1	1	18.58	18.13	17.95	19
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	21.46	21.92	20.48	23
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM Pi/2 BPSK	1	1	21.27	21.95	20.64	23
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	21.39	21.98	21.32	23

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	19.71	19.59	19.20	21
20	CP-OFDM 16QAM	1	1	19.19	19.14	18.75	21
20	CP-OFDM 64QAM	1	1	18.29	17.98	17.73	19
20	CP-OFDM 256QAM	1	1	16.53	15.83	15.78	17

DC_48A_N2 (1850 ~ 1910MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.72	22.61	22.65	23
20		1	53	22.72	22.70	22.71	
20		1	104	22.66	22.70	22.69	
20		50	1	22.12	22.66	22.63	23
20		50	25	22.40	22.07	22.65	
20		50	50	22.12	22.69	22.69	
20	DFT-s-OFDM QPSK	100	0	22.41	22.32	22.72	23
20		1	1	22.46	22.73	22.39	
20		1	53	22.65	22.70	22.69	
20		1	104	22.54	22.42	22.54	23
20		50	1	22.67	22.72	22.70	
20		50	25	22.64	22.71	22.71	
20	DFT-s-OFDM 16QAM	50	50	22.72	22.08	22.64	23
20		100	0	22.42	22.45	22.59	
20		1	1	20.25	20.87	20.29	
20		1	1	20.04	20.37	20.01	
20	DFT-s-OFDM 256QAM	1	1	19.42	19.12	19.38	19.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.69	22.63	22.68	23
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM PI/2 BPSK	1	1	22.68	22.61	22.66	23
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	22.61	22.49	22.65	23

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	22.15	21.97	22.32	22.5
20	CP-OFDM 16QAM	1	1	21.82	21.53	21.85	22
20	CP-OFDM 64QAM	1	1	20.09	20.25	20.32	21
20	CP-OFDM 256QAM	1	1	17.06	17.13	17.38	17.5

DC_2A_N5 (824 ~ 849 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.95	22.97	22.95	23.5
20		1	53	22.89	22.76	22.53	
20		1	104	22.55	22.51	22.56	
20		50	1	22.53	22.57	22.55	23.5
20		50	25	22.63	22.66	22.61	
20		50	50	22.26	22.25	22.33	
20	DFT-s-OFDM QPSK	100	0	22.33	22.33	22.23	23.5
20		1	1	22.91	22.98	22.87	
20		1	53	22.81	22.77	22.55	
20		1	104	22.59	22.53	22.53	23.5
20		50	1	22.15	22.65	22.31	
20		50	25	22.64	22.60	22.53	
20		50	50	22.33	22.54	22.30	23.5
20		100	0	21.91	21.88	21.76	
20	DFT-s-OFDM 16QAM	1	1	22.33	22.20	22.31	23
20	DFT-s-OFDM 64QAM	1	1	20.46	20.61	20.57	21
20	DFT-s-OFDM 256QAM	1	1	18.47	18.47	18.41	19
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.64	22.64	22.83	23.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM PI/2 BPSK	1	1	22.89	22.88	22.53	23.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	22.67	22.79	22.38	23.5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	CP-OFDM QPSK	1	1	21.60	21.66	21.57	22
20	CP-OFDM 16QAM	1	1	21.46	21.44	21.37	22
20	CP-OFDM 64QAM	1	1	19.58	19.61	19.57	20
20	CP-OFDM 256QAM	1	1	16.46	16.46	16.49	17

DC_66A_N5 (824 ~ 849 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.98	23.03	23.01	24
20		1	53	22.89	22.77	22.59	
20		1	104	22.61	22.72	22.56	
20		50	1	22.37	22.34	22.50	23
20		50	25	22.51	22.37	22.59	
20		50	50	22.28	22.31	22.35	
20	DFT-s-OFDM QPSK	100	0	22.15	22.07	21.98	24
20		1	1	22.83	23.20	22.94	
20		1	53	22.87	22.73	22.70	
20		1	104	22.72	22.81	22.73	23
20		50	1	22.56	22.61	22.55	
20		50	25	22.35	22.38	22.42	
20		50	50	22.32	22.38	22.35	23
20		100	0	22.06	21.94	21.87	
20	DFT-s-OFDM 16QAM	1	1	22.30	22.34	22.25	23
20	DFT-s-OFDM 64QAM	1	1	20.66	20.68	20.60	21
20	DFT-s-OFDM 256QAM	1	1	18.39	18.52	18.43	19
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.78	22.80	22.91	24
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM PI/2 BPSK	1	1	22.87	22.84	22.54	24
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	22.23	22.58	22.32	24

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	CP-OFDM QPSK	1	1	21.56	21.70	21.64	22
20	CP-OFDM 16QAM	1	1	21.46	21.47	21.53	22
20	CP-OFDM 64QAM	1	1	19.56	19.63	19.53	20
20	CP-OFDM 256QAM	1	1	16.49	16.54	16.48	17

DC_48A_N5 (824 ~ 849 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.54	22.47	22.43	23.5
20		1	53	22.46	22.42	22.41	
20		1	104	22.30	22.34	22.23	
20		50	1	22.60	22.53	22.50	23.5
20		50	25	22.56	22.54	22.48	
20		50	50	22.43	22.44	22.41	
20		100	0	22.50	22.50	22.43	
20	DFT-s-OFDM QPSK	1	1	22.49	22.63	22.45	23.5
20		1	53	22.25	22.42	22.38	
20		1	104	22.16	22.26	22.27	
20		50	1	22.44	22.60	22.51	23.5
20		50	25	22.51	22.56	22.47	
20		50	50	22.10	22.41	22.35	
20		100	0	22.16	22.49	22.45	
20	DFT-s-OFDM 16QAM	1	1	22.41	22.45	22.46	23
20	DFT-s-OFDM 64QAM	1	1	21.63	21.82	21.74	21
20	DFT-s-OFDM 256QAM	1	1	19.73	19.86	19.72	19
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.53	22.54	22.55	23
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM PI/2 BPSK	1	1	22.52	22.41	22.29	23
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	22.48	22.45	22.33	23

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				824	836.5	849	
20	CP-OFDM QPSK	1	1	22.55	22.60	22.46	23
20	CP-OFDM 16QAM	1	1	22.34	22.33	22.24	23
20	CP-OFDM 64QAM	1	1	20.92	20.76	20.74	21
20	CP-OFDM 256QAM	1	1	17.90	17.85	17.71	19

DC_13A_N66 (1710 ~ 1780 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	24
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM Pi/2 BPSK	1	1	22.94	23.29	23.24	24
20		1	53	23.38	23.41	23.22	
20		1	104	23.17	23.28	23.38	
20		50	1	23.20	23.19	23.22	24
20		50	25	23.28	23.59	23.48	
20		50	50	23.47	23.51	23.60	
20	DFT-s-OFDM QPSK	100	0	22.86	23.16	23.11	24
20		1	1	23.31	23.61	23.16	
20		1	53	23.32	23.53	23.45	
20		1	104	23.17	23.48	23.47	24
20		50	1	23.29	23.60	23.22	
20		50	25	23.48	23.60	23.24	
20	DFT-s-OFDM 16QAM	50	50	23.40	23.60	23.57	24
20		100	0	22.40	22.69	22.67	
20		1	1	22.31	22.56	22.49	23
20	DFT-s-OFDM 64QAM	1	1	20.55	20.88	20.75	21.5
20	DFT-s-OFDM 256QAM	1	1	18.63	18.78	18.89	19.5
Channel				343500	349000	354500	23
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	22.15	22.56	22.39	23
Channel				343000	349000	355000	23
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM Pi/2 BPSK	1	1	22.18	22.62	22.64	23
Channel				342500	349000	355500	23
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	22.68	22.73	22.47	23

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	22
Frequency (MHz)				1710	1745	1780	
20	CP-OFDM QPSK	1	1	20.71	21.01	20.98	22
20	CP-OFDM 16QAM	1	1	20.63	20.79	20.76	22
20	CP-OFDM 64QAM	1	1	18.72	18.92	18.88	20
20	CP-OFDM 256QAM	1	1	15.45	15.71	15.62	16

DC_2A_N66 (1710 ~ 1780 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	24
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM Pi/2 BPSK	1	1	22.94	23.03	23.25	24
20		1	53	22.83	23.02	22.97	
20		1	104	23.28	23.22	23.10	
20		50	1	22.68	22.71	22.73	24
20		50	25	22.79	23.02	22.90	
20		50	50	22.99	22.98	22.82	
20	DFT-s-OFDM QPSK	100	0	22.66	22.75	22.52	24
20		1	1	23.02	23.38	23.08	
20		1	53	23.00	22.91	22.95	
20		1	104	23.27	23.03	22.90	24
20		50	1	23.10	23.15	23.01	
20		50	25	23.17	22.97	22.87	
20	DFT-s-OFDM 16QAM	50	50	23.05	23.11	22.80	24
20		100	0	22.17	22.19	22.14	
20		1	1	22.41	22.35	22.71	23
20	DFT-s-OFDM 64QAM	1	1	20.51	20.55	20.83	21
20	DFT-s-OFDM 256QAM	1	1	18.44	18.52	18.73	19
Channel				343500	349000	354500	24
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	23.05	22.84	23.01	24
Channel				343000	349000	355000	24
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM Pi/2 BPSK	1	1	23.06	22.92	22.87	24
Channel				342500	349000	355500	24
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	23.01	22.78	23.07	24

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	22.5
Frequency (MHz)				1710	1745	1780	
20	CP-OFDM QPSK	1	1	21.71	21.76	21.93	22.5
20	CP-OFDM 16QAM	1	1	21.54	21.60	21.66	22
20	CP-OFDM 64QAM	1	1	19.65	19.71	19.81	20.5
20	CP-OFDM 256QAM	1	1	16.58	16.56	16.79	17

DC_48A_N66 (1710 ~ 1780 MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.75	22.72	22.92	24
20		1	53	22.64	22.57	22.76	
20		1	104	22.66	22.74	22.70	
20		50	1	22.39	22.78	22.79	24
20		50	25	22.31	22.76	22.92	
20		50	50	22.16	22.74	22.78	
20	DFT-s-OFDM QPSK	100	0	22.22	22.78	22.88	24
20		1	1	22.70	22.98	22.86	
20		1	53	22.45	22.69	22.67	
20		1	104	22.82	22.84	22.66	24
20		50	1	22.32	22.95	22.68	
20		50	25	22.33	22.30	22.75	
20	DFT-s-OFDM 16QAM	50	50	22.17	22.03	22.72	24
20		100	0	22.66	22.74	22.69	
20		1	1	22.67	22.65	22.75	24
20	DFT-s-OFDM 64QAM	1	1	21.52	21.91	22.05	23
20	DFT-s-OFDM 256QAM	1	1	19.97	19.86	19.93	20
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	22.75	22.65	22.62	24
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM PI/2 BPSK	1	1	22.74	22.66	22.88	24
Channel				342500	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	22.76	22.77	22.85	24

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780	
20	CP-OFDM QPSK	1	1	22.50	22.85	22.76	23
20	CP-OFDM 16QAM	1	1	21.88	22.43	22.52	23
20	CP-OFDM 64QAM	1	1	20.90	20.91	20.86	21
20	CP-OFDM 256QAM	1	1	18.17	17.98	18.07	18.5

DC_2A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM Pi/2 BPSK	1	1	23.53	23.22	22.87	24
100		1	136	23.03	23.10	22.93	
100		1	272	23.25	22.91	22.67	
100		135	1	22.42	22.39	22.34	23
100		135	67	22.60	22.61	22.28	
100		135	136	22.39	21.95	22.35	
100		270	0	22.47	22.17	22.26	
100	DFT-s-OFDM QPSK	1	1	23.55	23.64	23.48	24
100		1	136	23.13	22.90	22.74	
100		1	272	23.23	22.89	22.86	
100		135	1	22.16	22.67	22.40	23
100		135	67	22.54	22.66	22.47	
100		135	136	22.11	22.28	22.31	
100		270	0	22.11	21.87	21.69	
100	DFT-s-OFDM 16QAM	1	1	22.62	22.33	22.04	23
100	DFT-s-OFDM 64QAM	1	1	20.94	20.64	20.35	21.5
100	DFT-s-OFDM 256QAM	1	1	19.16	18.88	18.38	20
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	22.34	21.97	21.71	23
100	CP-OFDM 16QAM	1	1	21.95	21.60	21.23	22.5
100	CP-OFDM 64QAM	1	1	20.08	19.62	19.36	21
100	CP-OFDM 256QAM	1	1	17.52	17.12	16.84	18

DC_5A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM Pi/2 BPSK	1	1	22.59	22.31	22.25	23
100		1	136	22.01	22.62	21.56	
100		1	272	21.81	21.70	22.04	
100		135	1	21.14	21.55	21.22	22.5
100		135	67	21.29	21.55	21.62	
100		135	136	21.62	21.18	21.66	
100		270	0	21.53	21.35	21.55	
100	DFT-s-OFDM QPSK	1	1	22.70	22.88	22.04	23
100		1	136	21.82	22.64	21.52	
100		1	272	21.20	21.18	21.59	
100		135	1	21.31	21.97	20.94	22.5
100		135	67	21.86	21.56	21.58	
100		135	136	21.01	21.57	21.08	
100		270	0	21.18	21.68	20.97	
100	DFT-s-OFDM 16QAM	1	1	21.91	21.63	21.18	22.5
100	DFT-s-OFDM 64QAM	1	1	20.41	19.69	19.42	21
100	DFT-s-OFDM 256QAM	1	1	18.60	18.01	17.76	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.68	21.18	20.77	22
100	CP-OFDM 16QAM	1	1	20.99	20.56	20.33	21.5
100	CP-OFDM 64QAM	1	1	19.20	18.72	18.57	20
100	CP-OFDM 256QAM	1	1	16.72	16.08	15.82	17

DC_13A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.81	22.31	22.16	23.5
100		1	136	21.76	22.62	21.50	
100		1	272	21.72	21.73	22.07	
100		135	1	21.82	22.26	20.99	23.5
100		135	67	21.91	22.61	21.21	
100		135	136	21.57	21.92	21.13	
100		270	0	21.76	22.24	21.27	
100		1	1	22.56	22.83	22.68	
100	DFT-s-OFDM QPSK	1	136	21.90	22.46	21.41	23.5
100		1	272	21.39	21.20	21.56	
100		135	1	21.30	22.56	21.02	
100		135	67	21.90	22.55	21.46	23.5
100		135	136	21.22	21.66	21.12	
100		270	0	21.30	21.75	20.96	
100	DFT-s-OFDM 16QAM	1	1	22.09	21.51	21.13	23
100	DFT-s-OFDM 64QAM	1	1	20.31	19.47	19.37	21
100	DFT-s-OFDM 256QAM	1	1	18.57	17.97	17.73	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.63	20.90	20.77	22
100	CP-OFDM 16QAM	1	1	21.32	20.47	20.38	22
100	CP-OFDM 64QAM	1	1	19.34	18.57	18.44	20
100	CP-OFDM 256QAM	1	1	16.65	16.30	15.77	17

DC_66A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.59	22.38	22.25	23.5
100		1	136	22.07	22.61	21.60	
100		1	272	21.84	21.55	21.96	
100		135	1	21.98	22.28	20.93	23.5
100		135	67	22.04	22.62	21.21	
100		135	136	21.77	21.84	21.03	
100		270	0	21.88	22.27	21.15	
100		1	1	22.96	22.42	21.29	
100	DFT-s-OFDM QPSK	1	136	22.06	22.63	21.55	23.5
100		1	272	21.40	21.20	21.57	
100		135	1	21.51	21.79	20.95	
100		135	67	22.08	22.73	21.38	23.5
100		135	136	21.22	21.73	21.20	
100		270	0	21.35	21.69	21.03	
100	DFT-s-OFDM 16QAM	1	1	22.16	21.50	21.23	23
100	DFT-s-OFDM 64QAM	1	1	20.16	19.66	19.39	21
100	DFT-s-OFDM 256QAM	1	1	18.50	18.01	17.82	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.73	21.14	20.70	22
100	CP-OFDM 16QAM	1	1	21.33	20.69	20.42	22
100	CP-OFDM 64QAM	1	1	19.22	18.65	18.48	20
100	CP-OFDM 256QAM	1	1	17.02	16.03	15.81	18

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)
				RB Size	RB Offset	RB Size	RB Offset			
132072	132022	132121	QPSK	1	0	0	0	1	0	22.31
132322	132373	132472	QPSK	1	0	0	0	1	0	22.35
132572	132523	132622	QPSK	1	0	0	0	1	0	22.26
132072	132022	132121	16QAM	1	0	0	0	1	0	21.55
132322	132373	132472	16QAM	1	0	0	0	1	0	21.63
132572	132523	132622	16QAM	1	0	0	0	1	0	21.57
132072	132022	132121	64QAM	1	0	0	0	1	0	21.42
132322	132373	132472	64QAM	1	0	0	0	1	0	21.44
132572	132523	132622	64QAM	1	0	0	0	1	0	21.55
132072	132022	132121	QPSK	50	0	0	0	1	0	21.61
132322	132373	132472	QPSK	50	0	0	0	1	0	21.22
132572	132523	132622	QPSK	50	0	0	0	1	0	21.34

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)
				RB Size	RB Offset	RB Size	RB Offset			
132072	132072	132270	QPSK	1	0	0	0	1	0	22.22
132322	132323	132521	QPSK	1	0	0	0	1	0	22.26
132572	132374	132572	QPSK	1	0	0	0	1	0	22.14
132072	132072	132270	16QAM	1	0	0	0	1	0	21.53
132322	132323	132521	16QAM	1	0	0	0	1	0	21.43
132572	132374	132572	16QAM	1	0	0	0	1	0	21.52

132072	132072	132270	64QAM	1	0	0	0	1	0	21.54
132322	132323	132521	64QAM	1	0	0	0	1	0	21.34
132572	132374	132572	64QAM	1	0	0	0	1	0	21.42
132072	132072	132270	QPSK	50	0	0	0	1	0	21.33
132322	132323	132521	QPSK	50	0	0	0	1	0	21.42
132572	132374	132572	QPSK	50	0	0	0	1	0	21.22

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	18900	1880	QPSK/1#0	4	20	20175	1732.5	22.11	23
	CA_2A-5A	2	20	18900	1880	QPSK/1#0	5	20	20525	836.5	22.16	23
	CA_2A-13A	2	20	18900	1880	QPSK/1#0	13	10	23230	782	22.17	23
	CA_2A-66A	2	20	18900	1880	QPSK/1#0	66	20	132322	1745	22.26	23
	CA_4A-5A	4	20	20175	1732.5	QPSK/1#0	5	20	20525	836.5	22.39	23
	CA_4A-13A	4	20	20175	1732.5	QPSK/1#0	13	10	23230	782	22.55	23
	CA_5A-66A	5	20	20525	836.5	QPSK/1#0	66	20	132322	1745	22.14	23
	CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132322	1745	22.37	23

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	18900	1880	QPSK/1#0	71	20	68786	637	21.62	24
	CA_4A-71A	4	20	20175	1732.5	QPSK/1#0	12	10	5095	737.5	21.52	23
	CA_5A-12A	5	10	20525	836.5	QPSK/1#0	12	10	5095	737.5	21.33	23
	CA_13A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	21.62	24
	CA_2A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	22.11	24
	CA_48A-48A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	22.16	24
	CA_5A-48A	5	10	20525	836.5	QPSK/1#0	48	20	56640	3690	21.51	23
	CA_48A-66A	48	20	56640	3690	QPSK/1#0	66	20	66886	2155	21.34	24

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	24
	CA_4A-4A-13A	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	13	10	5230	751	21.44	24
	CA_13A-48A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	20.34	24
	CA_13A-48C	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	20.22	24
	CA_2A-48A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	20.22	24
	CA_48B-66A	48	5	55265	3552.5	QPSK/1#0	66	20	66886	2155	48	15	56665	3692.5	22.63	24
	CA_2A-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	48	20	56089	3634.9	21.11	24
	CA_4A-48C	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	48	20	56089	3634.9	21.25	24
	CA_48C-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56089	3634.9	66	20	66886	2155	22.11	24
	CA_5A-48C	5	10	20525	836.5	QPSK/1#0	5	10	40712	2602.2	48	20	56442	3670.2	22.13	23
	CA_13A-48A-66A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	21.14	24
	CA_2A-48A-66A	2	20	19100	1900	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	22.14	24

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	24
	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	24
	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	24
	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	24
	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	24
	CA_2A-2A-12A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	12	10	5060	704	66	20	66886	2155	21.22	24
	CA_2A-2A-13A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	5230	751	66	20	66886	2155	21.34	24
	CA_2A-2A-66A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	66	20	66886	2155	66	20	66886	2155	21.52	24
	CA_2A-4A-4A-5A	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	5	10	2450	874	22.11	24
	CA_2A-4A-5B	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	5	10	2450	874	22.26	24
	CA_2A-4A-12B	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	12	10	5060	704	22.14	24
	CA_2A-5A-66A-66A	2	20	18900	1880	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	22.13	24
	CA_2A-5B-66A	2	20	18900	1880	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	22.22	24
	CA_2A-12A-66A-66A	2	20	18900	1880	QPSK/1#0	12	10	5060	704	66	20	66886	2155	66	20	66886	2155	22.17	24
	CA_2A-13A-66A-66A	2	20	18900	1880	QPSK/1#0	13	10	5230	751	66	20	66886	2155	66	20	66886	2155	22.16	24
	CA_2A-66C-71A	2	20	18900	1880	QPSK/1#0	66	20	66886	2155	71	20	68768	635.2	71	20	68768	635.2	22.19	24
	CA_4A-4A-5B	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	5	10	2450	874	5	10	2450	874	22.14	24
	CA_4A-4A-12B	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	12	10	5060	704	12	10	5060	704	22.11	24
	CA_5A-5A-66A-66A	5	10	20525	836.5	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	22.16	23
	CA_12B-66A-66A	12	10	23060	704	QPSK/1#0	66	20	66886	2155	66	20	66886	2155	66	20	66886	2155	22.13	23
CA_13A-48C-66A	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	66	20	66886	2155	21.36	24	
CA_48C-66A-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	66	20	66886	2155	21.35	24	

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)
	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	24

Inter-band	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	24
	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	24
	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	24
	CA_2A-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	24
	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	24
	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	24

2.4GHz WLAN ANT 1							
2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	9.20	10.00	10.00	99.52
		CH 7	2442	9.14	10.00	10.00	
		CH 13	2472	9.37	10.00	10.00	
	802.11g 6Mbps	CH 1	2412	8.20	9.00	10.00	80.77
		CH 7	2442	8.27	9.00	10.00	
		CH 13	2472	8.71	9.00	10.00	
	802.11n-HT20 MCS0	CH 1	2412	8.27	9.00	10.00	82.14
		CH 7	2442	8.33	9.00	10.00	
		CH 13	2472	8.76	9.00	10.00	
	802.11n-HT40 MCS0	CH 1	2412	8.41	9.00	10.00	82.76
		CH 7	2442	8.56	9.00	10.00	
		CH 13	2472	8.62	9.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	5.74	6.00	10.00	82.14
		CH 7	2442	5.47	6.00	10.00	
		CH 13	2472	5.69	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 1	2412	5.89	6.00	10.00	89.13
		CH 7	2442	5.69	6.00	10.00	
		CH 13	2472	5.78	6.00	10.00	
	802.11ax-HEW20 MCS0 (RUS2)	CH 1	2412	8.08	8.50	10.00	82.76
		CH 7	2442	7.99	8.50	10.00	
		CH 13	2472	5.20	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 1	2412	7.95	8.50	10.00	82.76
		CH 7	2442	8.23	8.50	10.00	
		CH 13	2472	5.12	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 3	2422	5.34	6.00	10.00	82.14
		CH 7	2442	5.16	6.00	10.00	
		CH 11	2462	5.25	6.00	10.00	

5GHz WLAN ANT 1							
5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	7.11	8.00	10.00	80.77
		CH 44	5220	7.38	8.00	10.00	
		CH 48	5240	7.31	8.00	10.00	
	802.11n-HT20 MCS0	CH 36	5180	7.47	8.00	10.00	82.14
		CH 44	5220	7.44	8.00	10.00	
		CH 48	5240	7.41	8.00	10.00	
	802.11n-HT40 MCS0	CH 38	5190	7.51	8.00	10.00	82.76
		CH 46	5230	7.47	8.00	10.00	
		CH 36	5180	7.31	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 44	5220	7.60	8.00	10.00	81.48
		CH 48	5240	7.39	8.00	10.00	
		CH 38	5190	7.59	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 46	5230	7.45	8.00	10.00	81.48
		CH 42	5210	7.76	8.50	10.00	
		CH 36	5180	4.97	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 44	5220	4.98	6.00	10.00	82.92
		CH 48	5240	5.01	6.00	10.00	
		CH 36	5180	5.88	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 44	5220	5.86	6.00	10.00	89.27
		CH 48	5240	5.54	6.00	10.00	
		CH 36	5180	6.88	7.00	8.00	
	802.11ax-HEW20 MCS0 (RUS2)	CH 44	5220	7.38	7.50	8.00	82.88
		CH 48	5240	7.57	8.00	8.00	
		CH 36	5180	6.91	7.50	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 44	5220	7.17	7.50	8.00	83.28
		CH 48	5240	7.18	7.50	8.00	
		CH 38	5190	5.05	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 46	5230	5.11	6.00	10.00	83.21
		CH 42	5210	5.56	8.00	10.00	
		CH 42	5210	5.56	8.00	10.00	

5GHz WLAN ANT 1							
5.3GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	7.39	8.00	10.00	80.77
		CH 60	5300	7.47	8.00	10.00	
		CH 64	5320	7.55	8.00	10.00	
	802.11n-HT20 MCS0	CH 52	5260	7.32	8.00	10.00	82.14
		CH 60	5300	7.55	8.00	10.00	
		CH 64	5320	7.61	8.00	10.00	
	802.11n-HT40 MCS0	CH 54	5270	7.33	8.00	10.00	82.76
		CH 62	5310	8.07	8.50	10.00	
		CH 52	5260	7.67	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 60	5300	7.98	8.50	10.00	81.48
		CH 64	5320	7.57	8.00	10.00	
		CH 54	5270	7.31	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 62	5310	7.55	8.00	10.00	81.48
		CH 58	5290	7.61	8.50	10.00	
		CH 52	5260	5.14	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 60	5300	5.25	6.00	10.00	82.92
		CH 64	5320	5.31	6.00	10.00	
		CH 52	5260	5.12	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 60	5300	5.41	6.00	10.00	89.27
		CH 64	5320	5.62	6.00	10.00	
		CH 52	5260	7.37	8.00	8.00	
	802.11ax-HEW20 MCS0 (RUS2)	CH 60	5300	7.28	8.00	8.00	82.88
		CH 64	5320	7.59	8.00	8.00	
		CH 52	5260	7.25	8.00	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 60	5300	7.29	8.00	8.00	83.28
		CH 64	5320	7.45	8.00	8.00	
		CH 54	5270	5.22	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 62	5310	5.26	6.00	10.00	83.21
		CH 58	5290	5.54	8.00	10.00	
		CH 58	5290	5.54	8.00	10.00	

5GHz WLAN ANT 1							
5GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	7.24	8.00	10.00	80.77
		CH 120	5600	7.59	8.00	10.00	
		CH 144	5720	7.06	8.00	10.00	
	802.11n-HT20 MCS0	CH 100	5500	7.11	8.00	10.00	82.14
		CH 120	5600	6.66	7.00	10.00	

2.4GHz WLAN ANT 2							
2.4GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	12.46	13.00	15.00	99.52
		CH 7	2442	13.01	13.50	15.00	
		CH 13	2472	13.04	13.50	15.00	
	802.11g 6Mbps	CH 1	2412	11.48	12.00	15.00	80.77
		CH 7	2442	11.37	12.00	15.00	
		CH 13	2472	9.58	10.00	15.00	
	802.11n-HT20 MCS0	CH 1	2412	11.76	12.50	15.00	82.14
		CH 7	2442	12.01	13.00	15.00	
		CH 13	2472	10.17	11.00	15.00	
	802.11n-HT40 MCS0	CH 1	2412	11.73	12.50	15.00	82.76
		CH 7	2442	11.76	12.50	15.00	
		CH 13	2472	11.85	12.50	15.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	6.33	7.00	10.00	82.14
		CH 7	2442	6.85	7.50	10.00	
		CH 13	2472	7.03	8.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 1	2412	6.40	7.00	10.00	89.13
		CH 7	2442	6.52	7.00	10.00	
		CH 13	2472	6.98	7.50	10.00	
	802.11ax-HEW20 MCS0 (RUS2)	CH 1	2412	7.43	8.00	10.00	82.76
		CH 7	2442	7.87	8.00	10.00	
		CH 13	2472	5.12	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 1	2412	7.84	8.00	10.00	82.76
		CH 7	2442	8.15	8.50	10.00	
		CH 13	2472	5.43	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 3	2422	6.47	7.00	10.00	82.14
		CH 7	2442	6.68	7.00	10.00	
		CH 11	2462	7.15	8.00	10.00	

5.2GHz WLAN ANT 2							
5.2GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	7.36	8.00	10.00	80.77
		CH 44	5220	7.52	8.00	10.00	
		CH 48	5240	7.61	8.00	10.00	
	802.11n-HT20 MCS0	CH 36	5180	7.44	8.00	10.00	82.14
		CH 44	5220	7.60	8.00	10.00	
		CH 48	5240	7.69	8.00	10.00	
	802.11n-HT40 MCS0	CH 38	5190	7.51	8.00	10.00	82.76
		CH 46	5230	7.71	8.00	10.00	
		CH 36	5180	7.43	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 44	5220	7.59	8.00	10.00	81.48
		CH 48	5240	7.63	8.00	10.00	
		CH 38	5190	7.45	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 46	5230	7.66	8.00	10.00	81.48
	802.11ac-VHT80 MCS0	CH 42	5210	7.80	8.50	10.00	85.19
	802.11ax-HEW20 MCS0 (RU24)	CH 36	5180	7.30	8.00	10.00	82.92
		CH 44	5220	7.31	8.00	10.00	
		CH 48	5240	7.38	8.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 36	5180	6.13	7.00	7.00	89.27
		CH 44	5220	6.58	7.00	7.00	
CH 48		5240	6.54	7.00	7.00		
802.11ax-HEW20 MCS0 (RU52)	CH 36	5180	7.16	7.50	8.00	82.88	
	CH 44	5220	7.57	8.00	8.00		
	CH 48	5240	7.61	8.00	8.00		
802.11ax-HEW20 MCS0 (RU106)	CH 36	5180	6.97	7.50	8.00	83.28	
	CH 44	5220	7.56	8.00	8.00		
	CH 48	5240	7.23	8.00	8.00		
802.11ax-HEW40 MCS0	CH 38	5190	7.21	8.00	10.00	83.21	
	CH 46	5230	7.00	8.00	10.00		
802.11ax-HEW80 MCS0	CH 42	5210	7.59	8.00	10.00	83.67	

5.5GHz WLAN ANT 1	802.11n-HT40 MCS0	CH 144	5720	7.08	8.00	10.00	82.76
		CH 102	5510	7.12	8.00	10.00	
		CH 126	5630	6.99	7.50	10.00	
		CH 142	5710	7.64	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 100	5500	7.10	8.00	10.00	81.48
		CH 120	5600	6.63	7.00	10.00	
		CH 144	5720	7.80	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 102	5510	7.15	8.00	10.00	81.48
		CH 126	5630	6.76	7.00	10.00	
		CH 142	5710	7.31	8.00	10.00	
		CH 106	5530	7.12	8.00	10.00	
	802.11ac-VHT80 MCS0	CH 122	5610	6.84	7.50	10.00	85.19
		CH 138	5690	6.94	7.50	10.00	
		CH 100	5500	5.43	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 120	5600	5.21	6.00	10.00	82.92
		CH 144	5720	5.19	6.00	10.00	
		CH 100	5500	5.35	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 120	5600	5.64	6.00	10.00	89.27
		CH 144	5720	5.62	6.00	10.00	
		CH 100	5500	6.65	7.00	8.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 120	5600	6.28	6.50	8.00	82.88
		CH 144	5720	7.13	7.50	8.00	
		CH 100	5500	6.98	7.50	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 120	5600	7.11	7.50	8.00	83.28
		CH 144	5720	7.05	7.50	8.00	
		CH 102	5510	5.31	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 126	5630	5.28	6.00	10.00	83.21
		CH 142	5710	5.29	6.00	10.00	
		CH 106	5530	5.15	6.00	10.00	
	802.11ax-HEW80 MCS0	CH 122	5610	5.45	6.00	10.00	83.67
		CH 138	5690	5.52	6.00	10.00	

5.5GHz WLAN ANT 2	802.11n-HT40 MCS0	CH 144	5720	7.80	8.00	10.00	82.76
		CH 102	5510	7.50	8.00	10.00	
		CH 126	5630	7.84	8.00	10.00	
		CH 142	5710	7.79	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 100	5500	7.42	8.00	10.00	81.48
		CH 120	5600	7.70	8.00	10.00	
		CH 144	5720	7.73	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 102	5510	7.43	8.00	10.00	81.48
		CH 126	5630	7.70	8.00	10.00	
		CH 142	5710	7.72	8.00	10.00	
		CH 106	5530	7.63	8.50	10.00	
	802.11ac-VHT80 MCS0	CH 122	5610	7.96	8.50	10.00	85.19
		CH 138	5690	8.01	8.50	10.00	
		CH 100	5500	7.06	8.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 120	5600	7.11	8.00	10.00	82.92
		CH 144	5720	7.29	8.00	10.00	
		CH 100	5500	6.51	7.00	7.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 120	5600	6.62	7.00	7.00	89.27
		CH 144	5720	6.78	7.00	7.00	
		CH 100	5500	7.00	7.50	8.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 120	5600	6.99	7.50	8.00	82.88
		CH 144	5720	7.46	8.00	8.00	
		CH 100	5500	6.96	7.50	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 120	5600	7.03	7.50	8.00	83.28
		CH 144	5720	7.63	8.00	8.00	
		CH 102	5510	7.11	8.00	10.00	
	802.11ax-HEW40 MCS0	CH 126	5630	7.23	8.00	10.00	83.21
		CH 142	5710	7.18	8.00	10.00	
		CH 106	5530	7.42	8.00	10.00	
	802.11ax-HEW80 MCS0	CH 122	5610	7.51	8.00	10.00	83.67
		CH 138	5690	7.35	8.00	10.00	

5GHz WLAN ANT 1							
5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0	CH 149	5745	7.25	8.00	10.00	80.77
		CH 157	5785	8.02	8.50	10.00	
		CH 165	5825	7.38	8.00	10.00	
	802.11n-HT20 MCS0	CH 149	5745	7.26	8.00	10.00	82.14
		CH 157	5785	7.68	8.00	10.00	
		CH 165	5825	7.50	8.00	10.00	
	802.11n-HT40 MCS0	CH 151	5755	7.44	8.00	10.00	82.76
		CH 159	5795	8.19	8.50	10.00	
	802.11ac-VHT20 MCS0	CH 149	5745	7.24	8.00	10.00	81.48
		CH 157	5785	7.65	8.00	10.00	
		CH 165	5825	7.45	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 151	5755	8.54	9.00	10.00	81.48
		CH 159	5795	7.59	8.00	10.00	
	802.11ac-VHT80 MCS0	CH 155	5775	8.42	9.00	10.00	85.19
		CH 149	5745	5.32	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 157	5785	5.46	6.00	10.00	82.92
		CH 165	5825	5.47	6.00	10.00	
		CH 149	5745	5.57	6.00	10.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 157	5785	5.21	6.00	10.00	89.27
		CH 165	5825	5.29	6.00	10.00	
		CH 149	5745	6.52	7.00	8.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 157	5785	7.49	8.00	8.00	82.88
		CH 165	5825	6.89	7.00	8.00	
		CH 149	5745	7.07	7.50	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 157	5785	7.42	8.00	8.00	83.28
		CH 165	5825	7.80	8.00	8.00	
		CH 151	5755	5.18	6.00	10.00	
	802.11ax-HEW40 MCS0	CH 159	5795	5.14	6.00	10.00	83.21
		CH 155	5775	5.39	6.00	10.00	

5.8 WLAN ANT 2							
5.8GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0	CH 149	5745	7.70	8.00	10.00	80.77
		CH 157	5785	7.38	8.00	10.00	
		CH 165	5825	7.35	8.00	10.00	
	802.11n-HT20 MCS0	CH 149	5745	7.59	8.00	10.00	82.14
		CH 157	5785	7.47	8.00	10.00	
		CH 165	5825	7.52	8.00	10.00	
	802.11n-HT40 MCS0	CH 151	5755	7.67	8.00	10.00	82.76
		CH 159	5795	7.65	8.00	10.00	
	802.11ac-VHT20 MCS0	CH 149	5745	7.54	8.00	10.00	81.48
		CH 157	5785	7.48	8.00	10.00	
		CH 165	5825	7.51	8.00	10.00	
	802.11ac-VHT40 MCS0	CH 151	5755	7.59	8.00	10.00	81.48
		CH 159	5795	7.39	8.00	10.00	
	802.11ac-VHT80 MCS0	CH 155	5775	7.64	8.00	10.00	85.19
		CH 149	5745	7.22	8.00	10.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 157	5785	7.02	8.00	10.00	82.92
		CH 165	5825	7.19	8.00	10.00	
		CH 149	5745	6.80	7.00	7.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 157	5785	6.77	7.00	7.00	89.27
		CH 165	5825	6.78	7.00	7.00	
		CH 149	5745	7.75	8.00	8.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 157	5785	7.60	8.00	8.00	82.88
		CH 165	5825	7.39	8.00	8.00	
		CH 149	5745	7.57	8.00	8.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 157	5785	7.31	8.00	8.00	83.28
		CH 165	5825	7.27	8.00	8.00	
		CH 151	5755	7.09	8.00	10.00	
	802.11ax-HEW40 MCS0	CH 159	5795	7.04	8.00	10.00	83.21
		CH 155	5775	7.22	8.00	10.00	

2.4GHz WLAN ANT 1+2

2.4GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	CH 1	2412			
		CH 7	2442			
		CH 13	2472			
	802.11g 6Mbps	CH 1	2412			
		CH 7	2442			
		CH 13	2472			
	802.11n-HT20 MCS0	CH 1	2412	14.15	15.00	82.14
		CH 7	2442	14.47	15.00	
		CH 13	2472	13.42	14.00	
	802.11n-HT40 MCS0	CH 1	2412	14.15	15.00	82.76
		CH 7	2442	14.31	15.00	
		CH 13	2472	14.31	15.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	10.00	11.00	82.14
		CH 7	2442	10.00	11.00	
		CH 13	2472	10.41	11.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 1	2412	10.00	11.00	89.13
		CH 7	2442	10.00	11.00	
		CH 13	2472	10.41	11.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 1	2412	11.76	12.00	82.76
		CH 7	2442	11.76	12.00	
		CH 13	2472	9.03	10.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 1	2412	11.76	12.00	82.76
		CH 7	2442	12.04	13.00	
		CH 13	2472	9.03	10.00	
	802.11ax-HEW40 MCS0	CH 3	2422	10.00	11.00	82.14
		CH 7	2442	10.00	11.00	
		CH 11	2462	10.00	11.00	

5.2GHz WLAN ANT 1+2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	CH 36	5180			
		CH 44	5220			
		CH 48	5240			
	802.11n-HT20 MCS0	CH 36	5180	11.46	12.00	82.14
		CH 44	5220	11.46	12.00	
		CH 48	5240	11.46	12.00	
	802.11n-HT40 MCS0	CH 38	5190	11.46	12.00	82.76
		CH 46	5230	11.46	12.00	
	802.11ac-VHT20 MCS0	CH 36	5180	11.14	12.00	81.48
		CH 44	5220	11.46	12.00	
		CH 48	5240	11.46	12.00	

5.2GHz WLAN ANT 1+2	802.11ac-VHT40 MCS0	CH 38	5190	11.46	12.00	81.48
		CH 46	5230	11.46	12.00	
	802.11ac-VHT80 MCS0	CH 42	5210	11.46	12.00	85.19
	802.11ax-HEW20 MCS0 (RU242)	CH 36	5180	10.00	11.00	82.92
		CH 44	5220	10.00	11.00	
		CH 48	5240	10.00	11.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 36	5180	9.54	10.00	89.27
		CH 44	5220	9.54	10.00	
		CH 48	5240	9.54	10.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 36	5180	10.41	11.00	82.88
		CH 44	5220	11.14	12.00	
		CH 48	5240	11.14	12.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 36	5180	10.41	11.00	83.28
		CH 44	5220	10.79	11.00	
		CH 48	5240	10.79	11.00	
	802.11ax-HEW40 MCS0	CH 38	5190	10.00	11.00	83.21
		CH 46	5230	10.00	11.00	
	802.11ax-HEW80 MCS0	CH 42	5210	10.41	11.00	83.67

5.3GHz WLAN ANT 1+2						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN ANT 1+2	802.11a 6Mbps	CH 52	5260			
		CH 60	5300			
		CH 64	5320			
	802.11n-HT20 MCS0	CH 52	5260	11.14	12.00	82.14
		CH 60	5300	11.46	12.00	
		CH 64	5320	11.76	12.00	
	802.11n-HT40 MCS0	CH 54	5270	11.14	12.00	82.76
		CH 62	5310	12.04	13.00	
	802.11ac-VHT20 MCS0	CH 52	5260	11.46	12.00	81.48
		CH 60	5300	11.76	12.00	
		CH 64	5320	11.76	12.00	
	802.11ac-VHT40 MCS0	CH 54	5270	11.46	12.00	81.48
		CH 62	5310	11.76	12.00	
	802.11ac-VHT80 MCS0	CH 58	5290	11.46	12.00	85.19
	802.11ax-HEW20 MCS0 (RU242)	CH 52	5260	10.00	11.00	82.92
		CH 60	5300	10.00	11.00	
		CH 64	5320	10.00	11.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 52	5260	9.54	10.00	89.27
		CH 60	5300	9.54	10.00	
		CH 64	5320	9.54	10.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 52	5260	10.79	11.00	82.88
		CH 60	5300	10.79	11.00	
		CH 64	5320	11.14	12.00	
	802.11ax-HEW40 MCS0	CH 52	5260	10.79	11.00	

	802.11ax-HEW20 MCS0 (RU106)	CH 60	5300	10.79	11.00	83.28
		CH 64	5320	11.14	12.00	
	802.11ax-HEW40 MCS0	CH 54	5270	10.00	11.00	83.21
		CH 62	5310	10.00	11.00	
	802.11ax-HEW80 MCS0	CH 58	5290	10.41	11.00	83.67

5.5 WLAN ANT 1+2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN ANT 1+2	802.11a 6Mbps	CH 100	5500		
		CH 120	5600		
		CH 144	5720		
	802.11n-HT20 MCS0	CH 100	5500	11.14	12.00
		CH 120	5600	11.14	12.00
		CH 144	5720	11.46	12.00
	802.11n-HT40 MCS0	CH 102	5510	11.14	12.00
		CH 126	5630	11.14	12.00
		CH 142	5710	11.46	12.00
	802.11ac-VHT20 MCS0	CH 100	5500	11.14	12.00
		CH 120	5600	11.14	12.00
		CH 144	5720	11.76	12.00
	802.11ac-VHT40 MCS0	CH 102	5510	11.14	12.00
		CH 126	5630	11.14	12.00
		CH 142	5710	11.46	12.00
	802.11ac-VHT80 MCS0	CH 106	5530	11.14	12.00
		CH 122	5610	11.14	12.00
		CH 138	5690	11.14	12.00
	802.11ax-HEW20 MCS0 (RU242)	CH 100	5500	10.00	11.00
		CH 120	5600	10.00	11.00
		CH 144	5720	10.00	11.00
	802.11ax-HEW20 MCS0 (RU26)	CH 100	5500	9.54	10.00
		CH 120	5600	9.54	10.00
		CH 144	5720	9.54	10.00
	802.11ax-HEW20 MCS0 (RU52)	CH 100	5500	10.41	11.00
		CH 120	5600	10.00	10.50
		CH 144	5720	10.79	11.00
	802.11ax-HEW20 MCS0 (RU106)	CH 100	5500	10.41	11.00
		CH 120	5600	10.41	11.00
		CH 144	5720	10.79	11.00
	802.11ax-HEW40 MCS0	CH 102	5510	10.00	11.00
		CH 126	5630	10.00	11.00
		CH 142	5710	10.00	11.00
	802.11ax-HEW80 MCS0	CH 106	5530	10.41	11.00
		CH 122	5610	10.41	11.00
		CH 138	5690	10.41	11.00

5.8 WLAN ANT 1+2

5.8GHz WLAN ANT 1+2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a MCS0	CH 149	5745			
		CH 157	5785			
		CH 165	5825			
	802.11n-HT20 MCS0	CH 149	5745	11.14	12.00	82.14
		CH 157	5785	11.46	12.00	
		CH 165	5825	11.46	12.00	
	802.11n-HT40 MCS0	CH 151	5755	11.46	12.00	82.76
		CH 159	5795	11.76	12.00	
	802.11ac-VHT20 MCS0	CH 149	5745	11.14	12.00	81.48
		CH 157	5785	11.46	12.00	
		CH 165	5825	11.46	12.00	
	802.11ac-VHT40 MCS0	CH 151	5755	12.04	13.00	81.48
		CH 159	5795	11.46	12.00	
	802.11ac-VHT80 MCS0	CH 155	5775	11.76	12.00	85.19
	802.11ax-HEW20 MCS0 (RU242)	CH 149	5745	10.00	11.00	82.92
		CH 157	5785	10.00	11.00	
		CH 165	5825	10.41	11.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 149	5745	9.54	10.00	89.27
		CH 157	5785	9.54	10.00	
		CH 165	5825	9.54	10.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 149	5745	10.79	11.00	82.88
		CH 157	5785	11.14	12.00	
		CH 165	5825	10.79	11.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 149	5745	10.79	11.00	83.28
		CH 157	5785	10.79	11.00	
		CH 165	5825	11.14	12.00	
	802.11ax-HEW40 MCS0	CH 151	5755	10.00	11.00	83.21
		CH 159	5795	10.00	11.00	
	802.11ax-HEW80 MCS0	CH 155	5775	10.00	11.00	83.67

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.90	3.98	4.00
	CH 39	2441	8.77	4.57	4.56
	CH 78	2480	8.80	4.49	4.49
Tune-up Limit			9.5	5	5
Duty Cycle %			77.33	76.8	76.8

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	2.42	-0.56	N/A
	CH 19	2440	2.89	0.14	N/A
	CH 39	2480	2.76	0.24	N/A
Tune-up Limit			3.5	0.5	N/A
Duty Cycle %			61.9	33.33	N/A

Conducted Reduced Power

Project No.:	SZ21070331	Applicant:			Reliance		Model Name:			N/A			
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	11.70	11.54	11.30	12.50	12.34	12.61	12.86	13.50	14.38	14.22	14.29	15.00
3GPP Rel 6	HSDPA Subtest-1	9.72	9.90	9.92	10.50	10.89	11.11	11.03	11.50	12.38	12.19	12.31	13.00
3GPP Rel 6	HSDPA Subtest-2	9.75	9.85	9.95	10.50	10.92	11.04	10.97	11.50	12.30	12.13	12.36	13.00
3GPP Rel 6	HSDPA Subtest-3	9.36	9.50	9.48	10.00	10.43	10.55	10.58	11.00	11.88	11.88	11.79	12.50
3GPP Rel 6	HSDPA Subtest-4	9.26	9.40	9.38	10.00	10.43	10.66	10.51	11.00	11.86	11.68	11.78	12.50
3GPP Rel 8	DC-HSDPA Subtest-1	9.88	9.94	9.95	10.50	10.99	11.12	11.13	11.50	12.41	12.35	12.38	13.00
3GPP Rel 8	DC-HSDPA Subtest-2	9.90	9.91	9.97	10.50	10.92	11.14	11.12	11.50	12.43	12.36	12.39	13.00
3GPP Rel 8	DC-HSDPA Subtest-3	9.35	9.42	9.45	10.50	10.42	10.67	10.60	11.00	11.91	11.85	11.93	12.50
3GPP Rel 8	DC-HSDPA Subtest-4	9.36	9.40	9.43	10.50	10.41	10.61	10.63	11.00	11.91	11.83	11.92	12.50
3GPP Rel 6	HSUPA Subtest-1	9.71	9.83	9.83	10.50	10.91	11.05	11.02	11.50	12.30	12.43	12.23	13.00
3GPP Rel 6	HSUPA Subtest-2	9.27	9.35	9.44	10.00	10.39	10.60	10.57	11.00	11.86	11.82	11.75	12.50
3GPP Rel 6	HSUPA Subtest-3	9.82	9.84	9.83	10.50	10.93	10.97	11.01	11.50	12.32	12.28	12.23	13.00
3GPP Rel 6	HSUPA Subtest-4	9.70	9.81	9.86	10.50	10.87	11.01	11.04	11.50	12.31	12.18	12.25	13.00
3GPP Rel 6	HSUPA Subtest-5	9.81	9.93	9.82	10.50	10.99	10.96	10.99	11.50	12.34	12.24	12.34	13.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	9.76	9.87	9.86	10.50	10.87	11.10	10.94	11.85	12.39	12.29	12.31	13.00

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	10.34	10.43	10.39	11		
20	QPSK	1	49	10.28	10.29	10.26			
20	QPSK	1	99	10.24	10.42	10.36			
20	QPSK	50	0	9.63	9.68	9.60	10		
20	QPSK	50	24	9.43	9.39	9.43			
20	QPSK	50	50	9.42	9.44	9.39			
20	QPSK	100	0	9.47	9.44	9.30	10		
20	16QAM	1	0	9.63	9.24	9.63			
20	16QAM	1	49	9.10	9.44	9.39			
20	16QAM	1	99	9.13	9.51	8.70	10		
20	16QAM	50	0	9.14	9.26	9.19			
20	16QAM	50	24	9.34	9.21	9.23			
20	16QAM	50	50	9.35	9.23	9.29	10		
20	16QAM	100	0	9.30	9.23	9.10			
20	64QAM	1	0	8.40	8.15	8.48			
20	64QAM	1	49	8.16	8.21	8.30	9		
20	64QAM	1	99	8.20	8.54	8.60			
20	64QAM	50	0	8.20	8.27	8.21			
20	64QAM	50	24	8.30	8.16	8.31	9		
20	64QAM	50	50	8.31	8.36	8.29			
20	64QAM	100	0	8.37	8.28	8.23			
Channel				18675	18900	19125	Tune-up limit (dBm)		
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	10.12	10.14	10.13	11		
15	QPSK	1	37	10.14	10.14	10.14			
15	QPSK	1	74	10.08	10.13	10.14			
15	QPSK	36	0	9.24	9.23	9.16	10		
15	QPSK	36	20	9.28	9.22	9.28			
15	QPSK	36	39	9.24	9.34	9.19			
15	QPSK	75	0	9.31	9.13	9.22	10		
15	16QAM	1	0	9.39	9.59	9.73			
15	16QAM	1	37	9.52	9.44	9.27			
15	16QAM	1	74	9.33	9.64	9.59	10		
15	16QAM	36	0	9.30	9.28	9.19			
15	16QAM	36	20	9.40	9.30	9.33			
15	16QAM	36	39	9.32	9.28	9.34	10		
15	16QAM	75	0	9.16	9.28	9.28			
15	64QAM	1	0	8.27	8.47	8.34			
15	64QAM	1	37	8.46	8.31	8.31	9		
15	64QAM	1	74	8.46	8.39	8.40			
15	64QAM	36	0	8.24	8.29	8.20			
15	64QAM	36	20	8.32	8.28	8.35	9		
15	64QAM	36	39	8.39	8.22	8.33			
15	64QAM	75	0	8.23	8.27	8.31			
Channel				18650	18900	19150	Tune-up limit (dBm)		
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	9.98	9.99	9.99	11		
10	QPSK	1	25	10.03	10.08	10.07			
10	QPSK	1	49	9.91	10.06	10.15			
10	QPSK	25	0	9.20	9.07	8.98	10		
10	QPSK	25	12	9.21	9.19	9.13			
10	QPSK	25	25	9.15	9.18	9.19			
10	QPSK	50	0	9.19	9.18	9.03	10		
10	16QAM	1	0	9.37	9.13	9.44			
10	16QAM	1	25	9.46	9.63	9.48			
10	16QAM	1	49	9.63	9.31	9.40	10		
10	16QAM	25	0	9.43	9.36	9.28			
10	16QAM	25	12	9.35	9.41	9.42			
10	16QAM	25	25	9.38	9.42	9.39	10		
10	16QAM	50	0	9.38	9.45	9.39			
10	64QAM	1	0	8.05	8.31	8.66			
10	64QAM	1	25	8.17	8.54	8.29	9		
10	64QAM	1	49	8.45	8.43	8.65			
10	64QAM	25	0	8.39	8.11	8.23			
10	64QAM	25	12	8.24	8.27	8.18	9		
10	64QAM	25	25	8.37	8.23	8.28			
10	64QAM	50	0	8.33	8.19	8.25			
Channel				18625	18900	19175	Tune-up limit (dBm)		
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	9.98	10.15	10.04	11		
5	QPSK	1	12	9.99	10.15	10.03			
5	QPSK	1	24	10.14	10.03	10.03			
5	QPSK	12	0	9.13	9.14	9.13	10		
5	QPSK	12	7	9.33	9.37	9.39			
5	QPSK	12	13	9.34	9.36	9.30			
5	QPSK	25	0	9.26	9.25	9.27	10		
5	16QAM	1	0	9.26	9.12	9.29			
5	16QAM	1	12	9.23	9.35	9.26			
5	16QAM	1	24	9.03	9.58	9.05	10		
5	16QAM	12	0	9.45	9.36	9.40			
5	16QAM	12	7	9.41	9.48	9.40			
5	16QAM	12	13	9.36	9.48	9.45	10		
5	16QAM	25	0	9.32	9.35	9.38			
5	64QAM	1	0	8.65	8.07	8.23			
5	64QAM	1	12	8.30	8.45	8.49	9		
5	64QAM	1	24	8.03	8.51	8.24			
5	64QAM	12	0	8.30	8.23	8.36			
5	64QAM	12	7	8.27	8.16	8.24	9		
5	64QAM	12	13	8.11	8.28	8.27			
5	64QAM	25	0	8.26	8.16	8.19	Tune-up limit (dBm)		
Channel				18615	18900	19185	Tune-up limit (dBm)		
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	9.86	9.72	9.77	11		
3	QPSK	1	8	9.82	9.92	9.85			
3	QPSK	1	14	9.77	9.71	9.85			
3	QPSK	8	0	9.25	9.21	9.21	10		
3	QPSK	8	4	9.22	9.24	9.27			
3	QPSK	8	7	9.19	9.22	9.20			
3	QPSK	15	0	9.24	9.16	9.22	10		
3	16QAM	1	0	8.91	9.22	9.39			
3	16QAM	1	8	9.39	9.42	9.41			
3	16QAM	1	14	9.09	9.10	9.38	10		
3	16QAM	8	0	9.42	9.34	9.30			
3	16QAM	8	4	9.33	9.40	9.39			
3	16QAM	8	7	9.35	9.44	9.44	10		
3	16QAM	15	0	9.43	9.25	9.16			
3	64QAM	1	0	8.19	8.23	8.56			
3	64QAM	1	8	8.68	8.69	8.77	9		
3	64QAM	1	14	8.48	8.27	8.70			

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	11.26	11.35	11.34	12		
20	QPSK	1	49	10.97	11.31	11.32			
20	QPSK	1	99	11.05	11.30	11.33			
20	QPSK	50	0	10.26	10.34	10.32	11		
20	QPSK	50	24	10.26	10.25	10.26			
20	QPSK	50	50	10.15	10.31	10.27			
20	QPSK	100	0	10.22	10.35	10.29	11		
20	16QAM	1	0	10.39	10.42	10.63			
20	16QAM	1	49	10.10	10.44	10.52			
20	16QAM	1	99	10.57	10.15	10.13	11		
20	16QAM	50	0	10.25	10.33	10.47			
20	16QAM	50	24	10.18	10.31	10.31			
20	16QAM	50	50	10.12	10.32	10.33	11		
20	16QAM	100	0	10.14	10.30	10.42			
20	64QAM	1	0	9.16	9.49	9.62			
20	64QAM	1	49	9.22	9.64	9.17	10		
20	64QAM	1	99	9.44	9.34	9.22			
20	64QAM	50	0	9.08	9.40	9.35			
20	64QAM	50	24	9.29	9.39	9.38	10		
20	64QAM	50	50	9.29	9.25	9.20			
20	64QAM	100	0	9.30	9.25	9.38			
Channel				20025	20175	20325	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	11.17	11.22	11.31	12		
15	QPSK	1	37	11.02	11.22	11.31			
15	QPSK	1	74	11.27	11.19	11.30			
15	QPSK	36	0	10.19	10.44	10.42	11		
15	QPSK	36	20	10.28	10.38	10.35			
15	QPSK	36	39	10.27	10.44	10.43			
15	QPSK	75	0	10.28	10.46	10.48	11		
15	16QAM	1	0	10.78	10.48	11.06			
15	16QAM	1	37	10.28	10.40	10.99			
15	16QAM	1	74	10.61	10.40	10.60	11		
15	16QAM	36	0	10.17	10.31	10.14			
15	16QAM	36	20	10.19	10.32	10.04			
15	16QAM	36	39	10.09	10.31	10.10	11		
15	16QAM	75	0	10.16	10.19	10.25			
15	64QAM	1	0	9.44	9.63	9.24			
15	64QAM	1	37	9.42	9.33	9.66	10		
15	64QAM	1	74	9.26	9.25	9.99			
15	64QAM	36	0	9.29	9.43	9.51			
15	64QAM	36	20	9.34	9.43	9.35	10		
15	64QAM	36	39	9.25	9.51	9.38			
15	64QAM	75	0	9.38	9.41	9.39			
Channel				20000	20175	20350	Tune-up limit (dBm)		
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	11.12	11.16	11.22	12		
10	QPSK	1	25	10.98	11.28	11.21			
10	QPSK	1	49	11.09	11.27	11.11			
10	QPSK	25	0	10.14	10.24	10.39	11		
10	QPSK	25	12	10.09	10.36	10.44			
10	QPSK	25	25	10.21	10.42	10.42			
10	QPSK	50	0	10.19	10.36	10.27	11		
10	16QAM	1	0	10.60	10.67	10.46			
10	16QAM	1	25	10.42	10.66	10.50			
10	16QAM	1	49	10.44	10.82	10.27	11		
10	16QAM	25	0	10.04	10.15	10.18			
10	16QAM	25	12	10.16	10.28	10.33			
10	16QAM	25	25	10.20	10.39	10.29	11		
10	16QAM	50	0	10.13	10.35	10.45			
10	64QAM	1	0	9.32	9.41	9.76			
10	64QAM	1	25	9.54	9.57	9.46	10		
10	64QAM	1	49	8.92	9.54	9.79			
10	64QAM	25	0	9.11	9.31	9.48			
10	64QAM	25	12	9.13	9.29	9.42	10		
10	64QAM	25	25	9.36	9.51	9.40			
10	64QAM	50	0	9.28	9.40	9.24			
Channel				19975	20175	20375	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	11.15	11.22	11.21	12		
5	QPSK	1	12	11.27	11.22	11.24			
5	QPSK	1	24	11.09	11.32	11.33			
5	QPSK	12	0	10.09	10.20	10.32	11		
5	QPSK	12	7	10.12	10.23	10.31			
5	QPSK	12	13	10.07	10.31	10.15			
5	QPSK	25	0	10.09	10.20	10.12	11		
5	16QAM	1	0	10.27	10.37	10.55			
5	16QAM	1	12	10.35	10.48	10.42			
5	16QAM	1	24	10.34	10.83	10.41	11		
5	16QAM	12	0	10.12	10.29	10.14			
5	16QAM	12	7	10.31	10.51	10.36			
5	16QAM	12	13	10.41	10.50	10.36	11		
5	16QAM	25	0	10.21	10.44	10.44			
5	64QAM	1	0	9.80	9.43	9.75			
5	64QAM	1	12	9.90	9.50	9.44	10		
5	64QAM	1	24	9.64	9.79	9.96			
5	64QAM	12	0	9.24	9.56	9.62			
5	64QAM	12	7	9.23	9.51	9.44	10		
5	64QAM	12	13	9.20	9.57	9.56			
5	64QAM	25	0	9.20	9.36	9.48			
Channel				19965	20175	20385	Tune-up limit (dBm)		
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	11.17	11.32	11.30	12		
3	QPSK	1	8	11.30	11.31	11.29			
3	QPSK	1	14	11.26	11.25	11.24			
3	QPSK	8	0	10.15	10.51	10.50	11		
3	QPSK	8	4	10.12	10.48	10.49			
3	QPSK	8	7	10.12	10.46	10.48			
3	QPSK	15	0	10.17	10.40	10.46	11		
3	16QAM	1	0	10.45	10.57	10.58			
3	16QAM	1	8	10.40	10.50	10.51			
3	16QAM	1	14	10.50	10.30	10.24	11		
3	16QAM	8	0	10.17	10.55	10.56			
3	16QAM	8	4	10.08	10.54	10.55			
3	16QAM	8	7	10.21	10.53	10.53	11		
3	16QAM	15	0	10.21	10.52	10.51			
3	64QAM	1	0	10.12	10.06	10.03			
3	64QAM	1	8	9.80	9.93	9.95	10		
3	64QAM	1	14	9.65	9.65	9.66			

3	64QAM	8	0	8.33	8.24	8.25	9
3	64QAM	8	4	8.24	8.48	8.39	
3	64QAM	8	7	8.37	8.49	8.26	
3	64QAM	15	0	8.30	8.36	8.25	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	10.17	10.20	10.19	11
1.4	QPSK	1	3	10.16	10.20	10.17	
1.4	QPSK	1	5	10.13	10.17	10.13	
1.4	QPSK	3	0	10.17	10.14	10.11	
1.4	QPSK	3	1	10.21	9.70	10.13	
1.4	QPSK	3	3	10.13	10.15	10.12	
1.4	QPSK	6	0	9.16	9.14	8.99	10
1.4	16QAM	1	0	8.97	9.17	9.43	10
1.4	16QAM	1	3	9.23	9.41	9.09	
1.4	16QAM	1	5	9.20	9.26	9.03	
1.4	16QAM	3	0	9.02	9.09	9.21	
1.4	16QAM	3	1	9.14	9.13	9.15	
1.4	16QAM	3	3	9.05	9.01	9.13	
1.4	16QAM	6	0	9.07	9.27	9.09	10
1.4	64QAM	1	0	8.13	8.81	8.14	9
1.4	64QAM	1	3	8.14	8.21	8.41	
1.4	64QAM	1	5	8.74	8.01	8.63	
1.4	64QAM	3	0	8.34	8.18	8.12	
1.4	64QAM	3	1	8.02	8.05	8.13	
1.4	64QAM	3	3	8.24	8.28	8.14	
1.4	64QAM	6	0	8.21	8.22	8.02	9

3	64QAM	8	0	9.43	9.51	9.53	10
3	64QAM	8	4	9.49	9.50	9.49	
3	64QAM	8	7	9.52	9.51	9.50	
3	64QAM	15	0	9.53	9.67	9.61	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	11.11	11.22	11.32	12
1.4	QPSK	1	3	11.10	11.25	11.21	
1.4	QPSK	1	5	11.05	11.09	11.07	
1.4	QPSK	3	0	11.20	11.07	11.06	
1.4	QPSK	3	1	11.02	11.04	11.03	
1.4	QPSK	3	3	11.20	11.20	11.12	
1.4	QPSK	6	0	10.25	10.67	10.62	11
1.4	16QAM	1	0	10.59	10.49	10.45	11
1.4	16QAM	1	3	10.33	10.47	10.44	
1.4	16QAM	1	5	10.50	10.46	10.39	
1.4	16QAM	3	0	10.01	10.36	10.33	
1.4	16QAM	3	1	10.25	10.30	10.26	
1.4	16QAM	3	3	10.19	10.20	10.19	
1.4	16QAM	6	0	10.17	10.52	10.54	11
1.4	64QAM	1	0	9.98	9.87	9.97	10
1.4	64QAM	1	3	9.59	9.81	9.85	
1.4	64QAM	1	5	9.37	9.77	9.81	
1.4	64QAM	3	0	9.50	9.69	9.80	
1.4	64QAM	3	1	9.31	9.65	9.77	
1.4	64QAM	3	3	9.27	9.63	9.74	
1.4	64QAM	6	0	9.37	9.63	9.73	10

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	12.56	12.57	12.55	13
10	QPSK	1	25	12.48	12.52	12.47	
10	QPSK	1	49	12.56	12.49	12.37	
10	QPSK	25	0	11.49	11.60	11.57	12
10	QPSK	25	12	11.57	11.58	11.53	
10	QPSK	25	25	11.48	11.44	11.46	
10	QPSK	50	0	11.34	11.35	11.40	12
10	16QAM	1	0	11.37	11.23	11.49	
10	16QAM	1	25	11.29	11.46	11.50	
10	16QAM	1	49	11.41	11.69	11.32	11
10	16QAM	25	0	10.43	10.28	10.41	
10	16QAM	25	12	10.39	10.49	10.43	
10	16QAM	25	25	10.45	10.43	10.47	11
10	16QAM	50	0	10.52	10.46	10.43	
10	64QAM	1	0	10.53	10.18	10.41	
10	64QAM	1	25	10.11	10.38	10.32	11
10	64QAM	1	49	10.25	10.60	9.81	
10	64QAM	25	0	10.17	10.24	10.19	
10	64QAM	25	12	10.23	10.27	10.21	11
10	64QAM	25	25	10.42	10.10	10.12	
10	64QAM	50	0	10.17	10.16	10.03	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	12.20	12.42	12.38	13
5	QPSK	1	12	12.10	12.34	12.37	
5	QPSK	1	24	12.18	12.27	12.37	
5	QPSK	12	0	11.34	11.35	11.44	12
5	QPSK	12	7	11.30	11.38	11.39	
5	QPSK	12	13	11.17	11.30	11.33	
5	QPSK	25	0	11.03	11.15	11.14	12
5	16QAM	1	0	11.65	11.35	11.16	
5	16QAM	1	12	11.37	11.42	11.67	
5	16QAM	1	24	11.30	11.41	11.55	11
5	16QAM	12	0	10.52	10.37	10.63	
5	16QAM	12	7	10.32	10.41	10.47	
5	16QAM	12	13	10.33	10.35	10.55	11
5	16QAM	25	0	10.38	10.39	10.49	
5	64QAM	1	0	10.19	10.14	10.43	
5	64QAM	1	12	10.14	10.12	10.43	11
5	64QAM	1	24	10.10	10.09	10.43	
5	64QAM	12	0	10.06	10.13	10.37	
5	64QAM	12	7	10.24	10.00	10.35	11
5	64QAM	12	13	10.10	10.03	10.14	
5	64QAM	25	0	10.24	10.03	10.28	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	12.39	12.41	12.37	13
3	QPSK	1	8	12.28	12.30	12.35	
3	QPSK	1	14	12.27	12.27	12.28	
3	QPSK	8	0	11.49	11.35	11.53	12
3	QPSK	8	4	11.53	11.38	11.56	
3	QPSK	8	7	11.47	11.30	11.54	
3	QPSK	15	0	11.46	11.36	11.53	12
3	16QAM	1	0	11.55	11.56	11.72	
3	16QAM	1	8	11.22	11.63	11.69	
3	16QAM	1	14	11.48	11.45	11.57	11
3	16QAM	8	0	10.48	10.16	10.47	
3	16QAM	8	4	10.39	10.41	10.48	
3	16QAM	8	7	10.44	10.35	10.49	11
3	16QAM	15	0	10.62	10.60	10.65	
3	64QAM	1	0	10.37	10.35	10.20	
3	64QAM	1	8	10.42	10.21	10.44	11
3	64QAM	1	14	10.32	10.04	10.35	
3	64QAM	8	0	10.24	10.34	10.24	
3	64QAM	8	4	10.09	10.21	10.25	11
3	64QAM	8	7	10.34	10.24	10.24	
3	64QAM	15	0	10.10	10.24	10.24	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	12.32	12.45	12.35	13
1.4	QPSK	1	3	12.44	12.33	12.34	
1.4	QPSK	1	5	12.27	12.29	12.26	
1.4	QPSK	3	0	12.37	12.27	12.29	12
1.4	QPSK	3	1	12.43	12.24	12.41	
1.4	QPSK	3	3	12.38	12.19	12.37	
1.4	QPSK	6	0	11.46	11.37	11.39	12
1.4	16QAM	1	0	11.24	11.28	11.42	
1.4	16QAM	1	3	11.26	11.27	11.26	
1.4	16QAM	1	5	11.50	11.51	11.51	12
1.4	16QAM	3	0	11.33	11.41	11.39	
1.4	16QAM	3	1	11.37	11.38	11.36	
1.4	16QAM	3	3	11.49	11.50	11.48	11
1.4	16QAM	6	0	10.22	10.22	10.26	
1.4	64QAM	1	0	10.43	10.18	10.35	
1.4	64QAM	1	3	10.20	10.16	10.17	11
1.4	64QAM	1	5	10.50	10.15	10.20	
1.4	64QAM	3	0	10.19	10.11	10.15	
1.4	64QAM	3	1	10.28	10.12	10.22	11
1.4	64QAM	3	3	10.22	10.13	10.20	
1.4	64QAM	6	0	10.30	10.13	10.19	

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	12.56	12.63	12.55	13
10	QPSK	1	25	12.29	12.40	12.36	
10	QPSK	1	49	12.27	12.28	12.27	
10	QPSK	25	0	11.59	11.66	11.48	12
10	QPSK	25	12	11.56	11.36	11.30	
10	QPSK	25	25	11.51	11.31	11.39	
10	QPSK	50	0	11.40	11.42	11.43	12
10	16QAM	1	0	11.59	11.17	11.62	
10	16QAM	1	25	11.73	11.79	11.69	
10	16QAM	1	49	11.84	11.48	11.73	11
10	16QAM	25	0	10.48	10.47	10.48	
10	16QAM	25	12	10.62	10.36	10.41	
10	16QAM	25	25	10.66	10.38	10.52	11
10	16QAM	50	0	10.47	10.42	10.47	
10	64QAM	1	0	10.05	10.08	10.03	
10	64QAM	1	25	10.16	10.17	10.29	11
10	64QAM	1	49	10.43	10.53	10.28	
10	64QAM	25	0	10.35	10.33	10.27	
10	64QAM	25	12	10.30	10.22	10.26	11
10	64QAM	25	25	10.30	10.36	10.13	
10	64QAM	50	0	10.30	10.30	10.17	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	12.51	12.74	12.61	13
5	QPSK	1	12	12.63	12.67	12.54	
5	QPSK	1	24	12.72	12.51	12.48	
5	QPSK	12	0	11.50	11.37	11.33	12
5	QPSK	12	7	11.23	11.37	11.29	
5	QPSK	12	13	11.27	11.31	11.35	
5	QPSK	25	0	11.29	11.42	11.28	12
5	16QAM	1	0	11.55	11.09	11.40	
5	16QAM	1	12	11.38	11.64	11.40	
5	16QAM	1	24	11.46	11.49	11.07	11
5	16QAM	12	0	10.51	10.46	10.45	
5	16QAM	12	7	10.65	10.47	10.43	
5	16QAM	12	13	10.46	10.45	10.31	11
5	16QAM	25	0	10.40	10.34	10.29	
5	64QAM	1	0	10.47	10.02	10.35	
5	64QAM	1	12	10.26	10.13	10.25	11
5	64QAM	1	24	10.44	10.06	10.48	
5	64QAM	12	0	10.11	10.12	10.38	
5	64QAM	12	7	10.26	10.04	10.13	11
5	64QAM	12	13	10.04	10.10	10.11	
5	64QAM	25	0	10.16	10.04	10.23	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	12.56	12.73	12.63	13
3	QPSK	1	8	12.68	12.69	12.64	
3	QPSK	1	14	12.67	12.64	12.65	
3	QPSK	8	0	11.23	11.38	11.36	12
3	QPSK	8	4	11.27	11.37	11.31	
3	QPSK	8	7	11.20	11.36	11.25	
3	QPSK	15	0	11.25	11.34	11.23	12
3	16QAM	1	0	11.47	11.90	11.80	
3	16QAM	1	8	11.52	11.53	11.51	
3	16QAM	1	14	11.51	11.50	11.52	11
3	16QAM	8	0	10.42	10.45	10.43	
3	16QAM	8	4	10.32	10.34	10.31	
3	16QAM	8	7	10.18	10.21	10.19	11
3	16QAM	15	0	10.32	10.42	10.22	
3	64QAM	1	0	10.00	10.14	10.11	
3	64QAM	1	8	10.53	10.54	10.56	11
3	64QAM	1	14	10.30	10.31	10.32	
3	64QAM	8	0	10.22	10.25	10.26	
3	64QAM	8	4	10.41	10.60	10.44	11
3	64QAM	8	7	10.37	10.59	10.43	
3	64QAM	15	0	10.30	10.58	10.41	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	12.09	12.53	12.43	13
1.4	QPSK	1	3	12.21	12.23	12.24	
1.4	QPSK	1	5	12.07	12.09	12.08	
1.4	QPSK	3	0	12.14	12.16	12.15	12
1.4	QPSK	3	1	12.21	12.23	12.21	
1.4	QPSK	3	3	12.17	12.18	12.19	
1.4	QPSK	6	0	11.01	11.47	11.41	12
1.4	16QAM	1	0	11.34	11.46	11.45	
1.4	16QAM	1	3	11.53	11.54	11.56	
1.4	16QAM	1	5	11.20	11.23	11.24	12
1.4	16QAM	3	0	11.29	11.30	11.30	
1.4	16QAM	3	1	11.30	11.34	11.32	
1.4	16QAM	3	3	11.43	11.42	11.40	11
1.4	16QAM	6	0	10.27	10.70	10.65	
1.4	64QAM	1	0	10.19	10.74	10.73	
1.4	64QAM	1	3	10.33	10.35	10.34	11
1.4	64QAM	1	5	10.21	10.26	10.33	
1.4	64QAM	3	0	10.30	10.29	10.31	
1.4	64QAM	3	1	10.31	10.41	10.45	11
1.4	64QAM	3	3	10.40	10.38	10.43	
1.4	64QAM	6	0	10.22	10.35	10.42	

LTE Band 13								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				23230			14	
Frequency (MHz)				782				
10	QPSK	1	0	13.55			13	
10	QPSK	1	25	13.42				
10	QPSK	1	49	13.48				
10	QPSK	25	0	12.77			13	
10	QPSK	25	12	12.52				
10	QPSK	25	25	12.62				
10	QPSK	50	0	12.59			13	
10	16QAM	1	0	12.49				
10	16QAM	1	25	12.47				
10	16QAM	1	49	12.36			12	
10	16QAM	25	0	11.35				
10	16QAM	25	12	11.38				
10	16QAM	25	25	11.37			12	
10	16QAM	50	0	11.44				
10	64QAM	1	0	11.46				
10	64QAM	1	25	11.53			12	
10	64QAM	1	49	11.22				
10	64QAM	25	0	11.22				
10	64QAM	25	12	11.43			12	
10	64QAM	25	25	11.42				
10	64QAM	50	0	11.22				
Channel				23205	23230	23255	Tune-up limit (dBm)	
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	13.37	13.34	13.35	14	
5	QPSK	1	12	13.24	13.22	13.27		
5	QPSK	1	24	13.39	13.32	13.43		
5	QPSK	12	0	12.45	12.46	12.58	13	
5	QPSK	12	7	12.56	12.58	12.63		
5	QPSK	12	13	12.60	12.64	12.70		
5	QPSK	25	0	12.40	12.52	12.62	13	
5	16QAM	1	0	12.48	12.78	12.62		
5	16QAM	1	12	12.64	12.66	12.78		
5	16QAM	1	24	12.55	12.55	12.55	12	
5	16QAM	12	0	11.33	11.34	11.47		
5	16QAM	12	7	11.33	11.41	11.49		
5	16QAM	12	13	11.36	11.35	11.59	12	
5	16QAM	25	0	11.35	11.22	11.46		
5	64QAM	1	0	11.54	11.56	11.63		
5	64QAM	1	12	11.15	11.43	11.73	12	
5	64QAM	1	24	11.44	11.57	11.40		
5	64QAM	12	0	11.19	11.23	11.31		
5	64QAM	12	7	11.27	11.34	11.46	12	
5	64QAM	12	13	11.38	11.51	11.53		
5	64QAM	25	0	11.40	11.31	11.44		

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	12
20	QPSK	1	0	11.21	11.45	11.37	
20	QPSK	1	49	11.19	11.43	11.18	
20	QPSK	1	99	11.13	11.42	11.09	
20	QPSK	50	0	10.40	10.69	10.51	
20	QPSK	50	24	10.59	10.54	10.49	11
20	QPSK	50	50	10.50	10.64	10.33	
20	QPSK	100	0	10.56	10.52	10.56	
20	16QAM	1	0	10.48	10.81	10.77	11
20	16QAM	1	49	10.29	10.25	10.51	
20	16QAM	1	99	10.62	10.59	10.40	
20	16QAM	50	0	10.30	10.57	10.46	11
20	16QAM	50	24	10.53	10.52	10.54	
20	16QAM	50	50	10.55	10.54	10.35	
20	16QAM	100	0	10.66	10.72	10.68	
20	64QAM	1	0	9.20	9.63	9.33	
20	64QAM	1	49	9.71	9.41	9.30	10
20	64QAM	1	99	9.68	9.42	9.33	
20	64QAM	50	0	9.31	9.43	9.23	
20	64QAM	50	24	9.27	9.41	9.26	10
20	64QAM	50	50	9.28	9.26	9.21	
20	64QAM	100	0	9.22	9.31	9.16	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	11.24	11.39	11.21	12
15	QPSK	1	37	11.30	11.38	11.19	
15	QPSK	1	74	11.33	11.38	11.14	
15	QPSK	36	0	10.15	10.44	10.28	11
15	QPSK	36	20	10.28	10.34	10.31	
15	QPSK	36	39	10.29	10.44	10.13	
15	QPSK	75	0	10.17	10.39	10.30	11
15	16QAM	1	0	10.46	10.54	10.35	
15	16QAM	1	37	10.60	10.29	10.36	
15	16QAM	1	74	10.52	10.90	10.48	
15	16QAM	36	0	10.25	10.50	10.48	
15	16QAM	36	20	10.41	10.63	10.44	11
15	16QAM	36	39	10.43	10.53	10.25	
15	16QAM	75	0	10.43	10.57	10.40	
15	64QAM	1	0	9.03	9.25	9.33	10
15	64QAM	1	37	9.61	9.71	9.56	
15	64QAM	1	74	9.42	9.56	9.25	
15	64QAM	36	0	9.22	9.31	9.31	
15	64QAM	36	20	9.27	9.34	9.24	
15	64QAM	36	39	9.17	9.35	9.19	10
15	64QAM	75	0	9.18	9.39	9.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	11.33	11.33	11.22	12
10	QPSK	1	25	11.15	11.34	11.04	
10	QPSK	1	49	11.04	11.08	11.15	
10	QPSK	25	0	10.17	10.23	10.22	11
10	QPSK	25	12	10.12	10.30	10.11	
10	QPSK	25	25	10.10	10.25	10.17	
10	QPSK	50	0	10.19	10.31	10.17	11
10	16QAM	1	0	10.39	10.46	10.53	
10	16QAM	1	25	10.34	10.57	10.36	
10	16QAM	1	49	10.29	10.43	10.29	
10	16QAM	25	0	10.21	10.38	10.24	
10	16QAM	25	12	10.43	10.49	10.37	11
10	16QAM	25	25	10.28	10.41	10.25	
10	16QAM	50	0	10.20	10.43	10.22	
10	64QAM	1	0	9.52	9.65	9.58	10
10	64QAM	1	25	9.46	9.81	9.41	
10	64QAM	1	49	9.83	9.69	9.55	
10	64QAM	25	0	9.58	9.66	9.49	
10	64QAM	25	12	9.55	9.73	9.55	
10	64QAM	25	25	9.47	9.52	9.53	10
10	64QAM	50	0	9.42	9.70	9.36	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	11.18	11.41	11.26	12
5	QPSK	1	12	11.19	11.40	11.25	
5	QPSK	1	24	11.22	11.40	11.24	
5	QPSK	12	0	10.47	10.51	10.34	11
5	QPSK	12	7	10.55	10.51	10.35	
5	QPSK	12	13	10.50	10.51	10.35	
5	QPSK	25	0	10.54	10.48	10.35	11
5	16QAM	1	0	10.35	10.47	10.44	
5	16QAM	1	12	10.33	10.52	10.32	
5	16QAM	1	24	10.47	10.18	10.65	
5	16QAM	12	0	10.51	10.57	10.26	
5	16QAM	12	7	10.56	10.40	10.45	11
5	16QAM	12	13	10.58	10.44	10.23	
5	16QAM	25	0	10.51	10.47	10.39	
5	64QAM	1	0	9.47	9.84	9.54	10
5	64QAM	1	12	9.25	9.49	9.59	
5	64QAM	1	24	9.54	9.56	9.46	
5	64QAM	12	0	9.27	9.30	9.24	
5	64QAM	12	7	9.34	9.30	9.33	
5	64QAM	12	13	9.25	9.13	9.36	10
5	64QAM	25	0	9.27	9.24	9.33	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	11.33	11.33	11.31	12
3	QPSK	1	8	11.26	11.27	11.25	
3	QPSK	1	14	11.11	11.14	11.12	
3	QPSK	8	0	10.55	10.56	10.51	11
3	QPSK	8	4	10.54	10.57	10.53	
3	QPSK	8	7	10.56	10.55	10.54	
3	QPSK	15	0	10.50	10.51	10.50	11
3	16QAM	1	0	10.50	10.49	10.50	
3	16QAM	1	8	10.20	10.57	10.56	
3	16QAM	1	14	10.78	10.56	10.55	11
3	16QAM	8	0	10.59	10.39	10.38	
3	16QAM	8	4	10.48	10.29	10.30	
3	16QAM	8	7	10.56	10.34	10.33	11
3	16QAM	15	0	10.44	10.26	10.22	
3	64QAM	1	0	9.34	9.44	9.42	
3	64QAM	1	8	9.22	9.38	9.34	10
3	64QAM	1	14	9.31	9.30	9.31	

3	64QAM	8	0	9.50	9.47	9.47	10
3	64QAM	8	4	9.56	9.55	9.54	
3	64QAM	8	7	9.51	9.50	9.52	
3	64QAM	15	0	9.42	9.43	9.44	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	10.95	11.39	11.27	12
1.4	QPSK	1	3	11.15	11.38	11.30	
1.4	QPSK	1	5	11.09	11.37	11.28	
1.4	QPSK	3	0	11.04	11.32	11.26	
1.4	QPSK	3	1	11.09	11.33	11.25	
1.4	QPSK	3	3	11.07	11.30	11.26	
1.4	QPSK	6	0	10.33	10.65	10.35	11
1.4	16QAM	1	0	10.31	10.67	10.61	11
1.4	16QAM	1	3	10.55	10.56	10.54	
1.4	16QAM	1	5	10.25	10.51	10.27	
1.4	16QAM	3	0	10.25	10.48	10.26	
1.4	16QAM	3	1	10.40	10.39	10.21	
1.4	16QAM	3	3	10.42	10.51	10.20	
1.4	16QAM	6	0	10.67	10.82	10.66	11
1.4	64QAM	1	0	9.35	9.55	9.66	10
1.4	64QAM	1	3	9.52	9.45	9.60	
1.4	64QAM	1	5	9.80	9.60	9.56	
1.4	64QAM	3	0	9.47	9.28	9.35	
1.4	64QAM	3	1	9.56	9.23	9.27	
1.4	64QAM	3	3	9.67	9.55	9.56	
1.4	64QAM	6	0	9.38	9.22	8.89	10

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	11.57	11.58	11.56	11.57	11.61	12
20	QPSK	1	49	11.34	11.44	11.53	11.53	11.54	
20	QPSK	1	99	11.27	11.38	11.54	11.49	11.59	
20	QPSK	50	0	10.47	10.44	10.69	10.66	10.71	11
20	QPSK	50	24	10.53	10.44	10.54	10.47	10.44	
20	QPSK	50	50	10.48	10.47	10.68	10.48	10.47	
20	QPSK	100	0	10.47	10.44	10.47	10.54	10.48	11
20	16QAM	1	0	10.44	10.48	10.64	10.47	10.54	
20	16QAM	1	49	10.48	10.47	10.52	10.47	10.42	
20	16QAM	1	99	10.47	10.54	10.44	10.54	10.52	11
20	16QAM	50	0	10.54	10.45	10.54	10.47	10.77	
20	16QAM	50	24	10.47	10.43	10.75	10.44	10.54	
20	16QAM	50	50	10.51	10.49	10.81	10.90	10.51	11
20	16QAM	100	0	10.54	10.43	10.74	10.89	10.58	
20	64QAM	1	0	10.43	10.58	10.49	10.69	10.52	
20	64QAM	1	49	10.50	10.51	10.61	10.51	10.80	11
20	64QAM	1	99	10.54	10.61	10.56	10.47	10.56	
20	64QAM	50	0	10.47	10.57	10.53	10.50	10.45	
20	64QAM	50	24	10.59	10.42	10.69	10.57	10.54	11
20	64QAM	50	50	10.48	10.52	10.68	10.71	10.60	
20	64QAM	100	0	10.50	10.50	10.78	10.74	10.42	
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	11.27	11.14	11.30	11.50	11.37	12
15	QPSK	1	37	11.17	11.13	11.48	11.54	11.37	
15	QPSK	1	74	11.17	11.13	11.46	11.47	11.30	
15	QPSK	36	0	10.27	10.30	10.64	10.49	10.69	11
15	QPSK	36	20	10.44	10.35	10.69	10.45	10.65	
15	QPSK	36	39	10.58	10.51	10.72	10.44	10.68	
15	QPSK	75	0	10.43	10.29	10.74	10.47	10.71	11
15	16QAM	1	0	10.34	10.23	10.55	10.84	10.49	
15	16QAM	1	37	10.45	10.44	10.72	10.41	10.55	
15	16QAM	1	74	10.53	10.40	10.64	9.98	10.39	11
15	16QAM	36	0	10.47	10.27	10.71	10.38	10.58	
15	16QAM	36	20	10.34	10.32	10.65	10.34	10.54	
15	16QAM	36	39	10.54	10.39	10.78	10.88	10.58	11
15	16QAM	75	0	10.33	10.30	10.79	10.36	10.58	
15	64QAM	1	0	10.50	10.60	10.50	10.74	10.38	
15	64QAM	1	37	10.53	10.88	10.64	10.88	10.51	11
15	64QAM	1	74	10.47	10.85	10.57	10.67	10.85	
15	64QAM	36	0	10.39	10.29	10.63	10.45	10.59	
15	64QAM	36	20	10.48	10.44	10.74	10.89	10.52	11
15	64QAM	36	39	10.54	10.39	10.73	10.86	10.58	
15	64QAM	75	0	10.47	10.37	10.74	10.86	10.62	
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	11.14	11.18	11.39	11.47	11.35	12
10	QPSK	1	25	11.27	11.38	11.44	11.34	11.30	
10	QPSK	1	49	11.18	11.15	11.31	11.54	11.54	
10	QPSK	25	0	11.25	10.26	10.69	10.57	10.53	11
10	QPSK	25	12	10.44	10.34	10.68	10.46	10.53	
10	QPSK	25	25	10.47	10.38	10.77	10.41	10.57	
10	QPSK	50	0	10.54	10.43	10.81	10.49	10.55	11
10	16QAM	1	0	10.34	10.29	10.16	10.31	10.56	
10	16QAM	1	25	10.41	10.47	10.25	10.46	10.39	
10	16QAM	1	49	10.44	10.33	10.21	10.38	10.52	
10	16QAM	25	0	10.54	10.33	10.24	10.52	10.70	

10	16QAM	25	12	10.27	10.46	10.21	10.38	10.64	11
10	16QAM	25	25	10.34	10.43	10.28	10.50	10.77	
10	16QAM	50	0	10.38	10.41	10.24	10.48	10.66	
10	64QAM	1	0	10.47	10.23	10.59	10.19	10.53	11
10	64QAM	1	25	10.47	10.26	10.71	10.36	10.58	
10	64QAM	1	49	10.41	10.24	10.60	10.23	10.49	
10	64QAM	25	0	10.53	10.31	10.74	10.44	10.62	11
10	64QAM	25	12	10.45	10.34	10.71	10.33	10.62	
10	64QAM	25	25	10.47	10.43	10.75	10.42	10.59	
10	64QAM	50	0	10.53	10.39	10.72	10.47	10.68	Tune-up limit (dBm)
Channel				55265	55810	55990	56170	56175	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	12
5	QPSK	1	0	11.14	11.15	11.24	11.47	11.44	
5	QPSK	1	12	11.24	11.14	11.39	11.34	11.47	
5	QPSK	1	24	11.44	11.27	11.30	11.44	11.17	11
5	QPSK	12	0	10.54	10.28	10.62	10.66	10.75	
5	QPSK	12	7	10.47	10.36	10.75	10.51	10.81	
5	QPSK	12	13	10.34	10.30	10.75	10.73	10.87	11
5	QPSK	25	0	10.47	10.33	10.76	10.74	10.89	
5	16QAM	1	0	10.54	10.77	10.59	10.75	10.44	
5	16QAM	1	12	10.49	10.38	10.76	10.92	10.60	11
5	16QAM	1	24	10.34	10.24	10.62	10.73	10.45	
5	16QAM	12	0	10.53	10.22	10.17	10.39	10.57	
5	16QAM	12	7	10.38	10.34	10.12	10.49	10.68	11
5	16QAM	12	13	10.41	10.40	10.25	10.39	10.61	
5	16QAM	25	0	10.49	10.32	10.13	10.47	10.68	
5	64QAM	1	0	10.53	10.59	10.44	10.71	10.46	11
5	64QAM	1	12	10.47	10.79	10.65	10.84	10.55	
5	64QAM	1	24	10.53	10.64	10.50	10.77	10.41	
5	64QAM	12	0	10.41	10.59	10.68	10.37	10.49	11
5	64QAM	12	7	10.45	10.60	10.16	10.45	10.67	
5	64QAM	12	13	10.53	10.58	10.15	10.24	10.55	
5	64QAM	25	0	10.46	10.32	10.15	10.30	10.64	

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	
20	DFT-s-OFDM PI/2 BPSK	1	1	10.89	10.96	10.93	12
20		1	53	11.08	11.01	11.05	
20		1	104	11.05	10.98	10.91	
20		50	1	10.60	10.50	10.41	11
20		50	25	10.68	10.53	10.66	
20		50	50	10.39	10.58	10.51	
20		100	0	10.51	10.61	10.48	
20	DFT-s-OFDM QPSK	1	1	11.16	11.19	11.16	12
20		1	53	10.91	10.95	10.90	
20		1	104	11.14	11.01	11.02	
20		50	1	10.62	10.61	10.45	11
20		50	25	10.67	10.68	10.67	
20		50	50	10.52	10.55	10.59	
20		100	0	10.82	10.85	11.04	
20	DFT-s-OFDM 16QAM	1	1	9.98	10.17	10.21	11
20	DFT-s-OFDM 64QAM	1	1	9.52	9.67	9.53	10
20	DFT-s-OFDM 256QAM	1	1	7.77	7.71	7.85	8
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	10.74	10.64	10.70	11
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	10.65	10.64	10.79	11
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	10.48	10.46	9.37	11

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	
20	CP-OFDM QPSK	1	1	10.23	10.20	10.46	11
20	CP-OFDM 16QAM	1	1	10.15	9.86	9.79	11
20	CP-OFDM 64QAM	1	1	7.59	7.59	7.46	8
20	CP-OFDM 256QAM	1	1	5.53	5.65	5.53	6

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	
20	DFT-s-OFDM PI/2 BPSK	1	1	12.20	12.02	12.19	13
20		1	53	12.21	12.06	12.03	
20		1	104	12.01	12.13	12.25	
20		50	1	11.71	11.43	11.65	12
20		50	25	11.58	11.52	11.47	
20		50	50	11.43	11.50	11.46	
20		100	0	11.45	11.39	11.54	
20	DFT-s-OFDM QPSK	1	1	12.09	12.35	12.00	13
20		1	53	12.30	12.10	12.23	
20		1	104	12.04	12.09	11.99	
20		50	1	11.44	11.64	11.53	12
20		50	25	11.61	11.41	11.60	
20		50	50	11.57	11.53	11.59	
20		100	0	11.36	11.66	11.46	
20	DFT-s-OFDM 16QAM	1	1	11.45	11.33	11.15	12
20	DFT-s-OFDM 64QAM	1	1	10.52	10.42	10.66	11
20	DFT-s-OFDM 256QAM	1	1	8.65	8.48	8.78	9
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	12.27	12.22	12.32	13
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	11.95	11.98	12.25	13
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	12.20	12.10	12.16	13

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	
20	CP-OFDM QPSK	1	1	11.38	11.17	11.34	12
20	CP-OFDM 16QAM	1	1	10.88	10.91	10.99	12
20	CP-OFDM 64QAM	1	1	8.42	8.52	8.61	9
20	CP-OFDM 256QAM	1	1	6.68	6.58	6.55	7

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		1	1			21.55			22
100	DFT-s-OFDM QPSK	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	DFT-s-OFDM 16QAM	1	1			20.62			21
100	DFT-s-OFDM 64QAM	1	1			18.75			19
100	DFT-s-OFDM 256QAM	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

DC_66A_N2 (1850 ~ 1910MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM Pi/2 BPSK	1	1	9.41	9.34	9.29	10.5
20		1	53	9.49	9.43	9.35	
20		1	104	9.31	9.51	9.29	
20		50	1	9.09	9.07	9.28	10.5
20		50	25	9.51	9.30	9.44	
20	DFT-s-OFDM QPSK	50	50	9.37	9.22	9.33	
20		100	0	9.33	9.06	9.18	
20		1	1	9.48	9.75	9.60	10.5
20		1	53	9.39	9.33	9.39	
20		1	104	9.27	9.46	9.43	
20	DFT-s-OFDM QPSK	50	1	9.45	9.48	9.02	10.5
20		50	25	9.47	9.46	9.47	
20		50	50	9.34	9.18	9.21	
20		100	0	8.81	8.97	8.90	
20	DFT-s-OFDM 16QAM	1	1	8.35	8.05	7.94	9
20	DFT-s-OFDM 64QAM	1	1	7.07	7.33	7.13	8
20	DFT-s-OFDM 256QAM	1	1	4.77	5.25	5.19	6
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	8.43	9.27	9.00	10
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM Pi/2 BPSK	1	1	9.29	9.12	9.15	10
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	9.30	9.19	9.11	10
7.65							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	7.65	7.21	7.46	8
20	CP-OFDM 16QAM	1	1	7.62	7.34	7.17	8
20	CP-OFDM 64QAM	1	1	5.82	5.71	5.68	6
20	CP-OFDM 256QAM	1	1	3.18	3.07	3.40	4

DC_13A_N2 (1850 ~ 1910MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM Pi/2 BPSK	1	1	8.92	8.31	7.75	10
20		1	53	9.24	9.15	8.09	
20		1	104	8.27	7.95	7.76	
20		50	1	8.92	9.05	8.87	10
20		50	25	9.08	8.96	8.79	
20	DFT-s-OFDM QPSK	50	50	9.15	8.15	8.44	
20		100	0	9.03	8.95	8.87	
20		1	1	9.02	9.29	8.56	10
20		1	53	9.14	9.19	9.17	
20		1	104	9.26	7.96	8.35	
20	DFT-s-OFDM QPSK	50	1	7.83	9.27	8.85	10
20		50	25	8.82	9.18	8.85	
20		50	50	9.02	8.20	8.57	
20		100	0	8.76	8.81	8.84	
20	DFT-s-OFDM 16QAM	1	1	7.59	8.09	8.07	9
20	DFT-s-OFDM 64QAM	1	1	7.30	7.60	7.66	8
20	DFT-s-OFDM 256QAM	1	1	5.58	5.13	4.95	6
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	8.46	8.92	7.48	10
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM Pi/2 BPSK	1	1	8.27	8.95	7.64	10
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	8.39	8.98	8.32	10
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	6.71	6.59	6.20	7
20	CP-OFDM 16QAM	1	1	6.19	6.14	5.75	7
20	CP-OFDM 64QAM	1	1	5.29	4.98	4.73	6
20	CP-OFDM 256QAM	1	1	3.53	2.83	2.78	4

DC_48A_N2 (1850 ~ 1910MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM Pi/2 BPSK	1	1	9.72	9.61	9.65	10
20		1	53	9.72	9.70	9.71	
20		1	104	9.66	9.70	9.69	
20		50	1	9.12	9.66	9.63	10
20		50	25	9.40	9.07	9.65	
20		50	50	9.12	9.69	9.69	
20	DFT-s-OFDM QPSK	100	0	9.41	9.32	9.72	10
20		1	1	9.46	9.73	9.39	
20		1	53	9.65	9.70	9.69	
20		1	104	9.54	9.42	9.54	10
20		50	1	9.67	9.72	9.70	
20		50	25	9.64	9.71	9.71	
20	DFT-s-OFDM 16QAM	50	50	9.72	9.08	9.64	10
20		100	0	9.42	9.45	9.59	
20	DFT-s-OFDM 64QAM	1	1	7.25	7.87	7.29	8
20	DFT-s-OFDM 256QAM	1	1	7.04	7.37	7.01	8
20	DFT-s-OFDM Pi/2 BPSK	1	1	6.42	6.12	6.38	7
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM Pi/2 BPSK	1	1	9.69	9.63	9.68	10
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM Pi/2 BPSK	1	1	9.68	9.61	9.66	10
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM Pi/2 BPSK	1	1	9.61	9.49	9.65	10

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	CP-OFDM QPSK	1	1	9.15	8.97	9.32	10
20	CP-OFDM 16QAM	1	1	8.82	8.53	8.85	10
20	CP-OFDM 64QAM	1	1	7.09	7.25	7.32	8
20	CP-OFDM 256QAM	1	1	4.06	4.13	4.38	5

DC_2A_N5 (824 ~ 849 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	12.95	12.97	12.95	13.5
20		1	53	12.89	12.76	12.53	
20		1	104	12.55	12.51	12.56	
20		50	1	12.53	12.57	12.55	13.5
20		50	25	12.63	12.66	12.61	
20		50	50	12.28	12.25	12.33	
20	DFT-s-OFDM QPSK	100	0	12.33	12.33	12.23	13.5
20		1	1	12.91	12.98	12.87	
20		1	53	12.81	12.77	12.55	
20		1	104	12.59	12.53	12.53	13.5
20		50	1	12.15	12.65	12.31	
20	DFT-s-OFDM 16QAM	50	25	12.64	12.60	12.53	13.5
20		50	50	12.33	12.54	12.30	
20		100	0	11.91	11.88	11.76	
20	DFT-s-OFDM 64QAM	1	1	12.33	12.20	12.31	13
20	DFT-s-OFDM 256QAM	1	1	10.46	10.61	10.57	11
20	DFT-s-OFDM PI/2 BPSK	1	1	8.47	8.47	8.41	9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)
15	DFT-s-OFDM PI/2 BPSK	1	1	12.64	12.64	12.83	13.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)
10	DFT-s-OFDM PI/2 BPSK	1	1	12.89	12.88	12.53	13.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	DFT-s-OFDM PI/2 BPSK	1	1	12.67	12.79	12.38	13.5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	Tune-up limit (dBm)
20	CP-OFDM QPSK	1	1	11.60	11.66	11.57	12
20	CP-OFDM 16QAM	1	1	11.46	11.44	11.37	12
20	CP-OFDM 64QAM	1	1	9.58	9.61	9.57	10
20	CP-OFDM 256QAM	1	1	6.46	6.46	6.49	7

DC_66A_N5 (824 ~ 849 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	Tune-up limit (dBm)
20	DFT-s-OFDM PI/2 BPSK	1	1	12.98	13.03	13.01	14
20		1	53	12.89	12.77	12.59	
20		1	104	12.61	12.72	12.56	
20		50	1	12.37	12.34	12.50	13
20		50	25	12.51	12.37	12.59	
20		50	50	12.28	12.31	12.35	
20	DFT-s-OFDM QPSK	100	0	12.15	12.07	11.98	14
20		1	1	12.83	13.20	12.94	
20		1	53	12.87	12.73	12.70	
20		1	104	12.72	12.81	12.73	13
20		50	1	12.56	12.61	12.55	
20	DFT-s-OFDM 16QAM	50	25	12.35	12.38	12.42	13
20		50	50	12.32	12.38	12.35	
20		100	0	12.06	11.94	11.87	
20	DFT-s-OFDM 64QAM	1	1	12.30	12.34	12.25	13
20	DFT-s-OFDM 256QAM	1	1	10.66	10.68	10.60	11
20	DFT-s-OFDM PI/2 BPSK	1	1	8.39	8.52	8.43	9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)
15	DFT-s-OFDM PI/2 BPSK	1	1	12.78	12.80	12.91	14
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)
10	DFT-s-OFDM PI/2 BPSK	1	1	12.87	12.84	12.54	14
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	DFT-s-OFDM PI/2 BPSK	1	1	12.23	12.58	12.32	14

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	Tune-up limit (dBm)
20	CP-OFDM QPSK	1	1	11.56	11.70	11.64	12
20	CP-OFDM 16QAM	1	1	11.46	11.47	11.53	12
20	CP-OFDM 64QAM	1	1	9.56	9.63	9.53	10
20	CP-OFDM 256QAM	1	1	6.49	6.54	6.48	7

DC_48A_N5 (824 ~ 849 MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	12.54	12.47	12.43	13.5
20		1	53	12.46	12.42	12.41	
20		1	104	12.30	12.34	12.23	
20		50	1	12.60	12.53	12.50	13.5
20		50	25	12.56	12.54	12.48	
20		50	50	12.43	12.44	12.41	
20	DFT-s-OFDM QPSK	100	0	12.50	12.50	12.43	13.5
20		1	1	12.49	12.63	12.45	
20		1	53	12.25	12.42	12.38	
20		1	104	12.16	12.26	12.27	13.5
20		50	1	12.44	12.60	12.51	
20		50	25	12.51	12.56	12.47	
20	DFT-s-OFDM 16QAM	50	50	12.10	12.41	12.35	13.5
20		100	0	12.16	12.49	12.45	
20	DFT-s-OFDM 64QAM	1	1	12.41	12.45	12.46	13
20	DFT-s-OFDM 256QAM	1	1	11.63	11.82	11.74	11
20	DFT-s-OFDM 256QAM	1	1	9.73	9.86	9.72	9
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	12.53	12.54	12.55	13
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM PI/2 BPSK	1	1	12.52	12.41	12.29	13
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	12.48	12.45	12.33	13

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				824	836.5	849	
20	CP-OFDM QPSK	1	1	12.55	12.60	12.46	13
20	CP-OFDM 16QAM	1	1	12.34	12.33	12.24	13
20	CP-OFDM 64QAM	1	1	10.92	10.76	10.74	11
20	CP-OFDM 256QAM	1	1	7.90	7.85	7.71	9

DC_13A_N66 (1710 ~ 1780 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM PI/2 BPSK	1	1	10.94	11.29	11.24	12
20		1	53	11.38	11.41	11.22	
20		1	104	11.17	11.28	11.38	
20		50	1	11.20	11.19	11.22	12
20		50	25	11.28	11.59	11.48	
20		50	50	11.47	11.51	11.60	
20		100	0	10.86	11.16	11.11	
20	DFT-s-OFDM QPSK	1	1	11.31	11.61	11.16	12
20		1	53	11.32	11.53	11.45	
20		1	104	11.17	11.48	11.47	
20		50	1	11.29	11.60	11.22	12
20		50	25	11.48	11.60	11.24	
20		50	50	11.40	11.60	11.57	
20		100	0	10.40	10.69	10.67	
20	DFT-s-OFDM 16QAM	1	1	10.31	10.56	10.49	13
20	DFT-s-OFDM 64QAM	1	1	8.55	8.88	8.75	9.5
20	DFT-s-OFDM 256QAM	1	1	6.63	6.78	6.89	7.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	10.15	10.56	10.39	11
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM PI/2 BPSK	1	1	10.18	10.62	10.64	11
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	10.68	10.73	10.47	11

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780	
20	CP-OFDM QPSK	1	1	8.71	9.01	8.98	9.5
20	CP-OFDM 16QAM	1	1	8.63	8.79	8.76	9.5
20	CP-OFDM 64QAM	1	1	6.72	6.92	6.88	7.5
20	CP-OFDM 256QAM	1	1	3.45	3.71	3.62	4.5

DC_2A_N66 (1710 ~ 1780 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM PI/2 BPSK	1	1	10.94	11.03	11.25	12
20		1	53	10.83	11.02	10.97	
20		1	104	11.28	11.22	11.10	
20		50	1	10.68	10.71	10.73	12
20		50	25	10.79	11.02	10.90	
20		50	50	10.99	10.98	10.82	
20		100	0	10.66	10.75	10.52	
20	DFT-s-OFDM QPSK	1	1	11.02	11.38	11.08	12
20		1	53	11.00	10.91	10.95	
20		1	104	11.27	11.03	10.90	
20		50	1	11.10	11.15	11.01	12
20		50	25	11.17	10.97	10.87	
20		50	50	11.05	11.11	10.80	
20		100	0	10.17	10.19	10.14	
20	DFT-s-OFDM 16QAM	1	1	10.41	10.35	10.71	11.5
20	DFT-s-OFDM 64QAM	1	1	8.51	8.55	8.83	9.5
20	DFT-s-OFDM 256QAM	1	1	6.44	6.52	6.73	7.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	11.05	10.84	11.01	11.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM PI/2 BPSK	1	1	11.06	10.92	10.87	11.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	11.01	10.78	11.07	11.5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780	
20	CP-OFDM QPSK	1	1	9.71	9.76	9.93	10.5
20	CP-OFDM 16QAM	1	1	9.54	9.60	9.66	10.5
20	CP-OFDM 64QAM	1	1	7.65	7.71	7.81	8.5
20	CP-OFDM 256QAM	1	1	4.58	4.56	4.79	5.5

DC_48A_N66 (1710 ~ 1780 MHz)							
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	
20	DFT-s-OFDM PI/2 BPSK	1	1	10.75	10.72	10.92	11.5
20		1	53	10.64	10.57	10.76	
20		1	104	10.66	10.74	10.70	
20		50	1	10.39	10.78	10.79	11.5
20		50	25	10.31	10.76	10.92	
20		50	50	10.16	10.74	10.78	
20	DFT-s-OFDM QPSK	100	0	10.22	10.76	10.68	11.5
20		1	1	10.70	10.98	10.86	
20		1	53	10.45	10.69	10.67	
20		1	104	10.82	10.84	10.66	11.5
20		50	1	10.32	10.95	10.68	
20		50	25	10.33	10.30	10.75	
20	DFT-s-OFDM 16QAM	50	50	10.17	10.03	10.72	11.5
20		100	0	10.66	10.74	10.69	
20		1	1	10.67	10.65	10.75	11.5
20	DFT-s-OFDM 64QAM	1	1	9.52	9.91	10.05	10.5
20	DFT-s-OFDM 256QAM	1	1	7.97	7.86	7.93	8.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM PI/2 BPSK	1	1	10.75	10.65	10.62	11.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM PI/2 BPSK	1	1	10.74	10.66	10.88	11.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM PI/2 BPSK	1	1	10.76	10.77	10.85	11.5

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	
20	CP-OFDM QPSK	1	1	10.50	10.85	10.76	11
20	CP-OFDM 16QAM	1	1	9.88	10.43	10.52	11
20	CP-OFDM 64QAM	1	1	8.90	8.91	8.86	9.5
20	CP-OFDM 256QAM	1	1	6.17	5.98	6.07	7

DC_2A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM Pi/2 BPSK	1	1	23.53	23.22	22.87	24
100		1	136	23.03	23.10	22.93	
100		1	272	23.25	22.91	22.67	
100		135	1	22.42	22.39	22.34	23
100		135	67	22.60	22.61	22.28	
100		135	136	22.39	21.95	22.35	
100		270	0	22.47	22.17	22.26	
100	DFT-s-OFDM QPSK	1	1	23.55	23.64	23.48	24
100		1	136	23.13	22.90	22.74	
100		1	272	23.23	22.89	22.86	
100		135	1	22.16	22.67	22.40	23
100		135	67	22.54	22.66	22.47	
100		135	136	22.11	22.28	22.31	
100		270	0	22.11	21.87	21.69	
100	DFT-s-OFDM 16QAM	1	1	22.62	22.33	22.04	23
100	DFT-s-OFDM 64QAM	1	1	20.94	20.64	20.35	21.5
100	DFT-s-OFDM 256QAM	1	1	19.16	18.88	18.38	20
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	22.34	21.97	21.71	23
100	CP-OFDM 16QAM	1	1	21.95	21.60	21.23	22.5
100	CP-OFDM 64QAM	1	1	20.08	19.62	19.36	21
100	CP-OFDM 256QAM	1	1	17.52	17.12	16.84	18

DC_5A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM Pi/2 BPSK	1	1	22.59	22.31	22.25	23
100		1	136	22.01	22.62	21.56	
100		1	272	21.81	21.70	22.04	
100		135	1	21.14	21.55	21.22	22.5
100		135	67	21.29	21.55	21.62	
100		135	136	21.62	21.18	21.66	
100		270	0	21.53	21.35	21.55	
100	DFT-s-OFDM QPSK	1	1	22.70	22.88	22.04	23
100		1	136	21.82	22.64	21.52	
100		1	272	21.20	21.18	21.59	
100		135	1	21.31	21.97	20.94	22.5
100		135	67	21.86	21.56	21.58	
100		135	136	21.01	21.57	21.08	
100		270	0	21.18	21.68	20.97	
100	DFT-s-OFDM 16QAM	1	1	21.91	21.63	21.18	22.5
100	DFT-s-OFDM 64QAM	1	1	20.41	19.69	19.42	21
100	DFT-s-OFDM 256QAM	1	1	18.60	18.01	17.76	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.68	21.18	20.77	22
100	CP-OFDM 16QAM	1	1	20.99	20.56	20.33	21.5
100	CP-OFDM 64QAM	1	1	19.20	18.72	18.57	20
100	CP-OFDM 256QAM	1	1	16.72	16.08	15.82	17

DC_13A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.81	22.31	22.16	23.5
100		1	136	21.76	22.62	21.50	
100		1	272	21.72	21.73	22.07	
100		135	1	21.82	22.26	20.99	23.5
100		135	67	21.91	22.61	21.21	
100		135	136	21.57	21.92	21.13	
100		270	0	21.76	22.24	21.27	
100		1	1	22.56	22.83	22.68	
100	DFT-s-OFDM QPSK	1	136	21.90	22.46	21.41	23.5
100		1	272	21.39	21.20	21.56	
100		135	1	21.30	22.56	21.02	
100		135	67	21.90	22.55	21.46	23.5
100		135	136	21.22	21.66	21.12	
100		270	0	21.30	21.75	20.96	
100	DFT-s-OFDM 16QAM	1	1	22.09	21.51	21.13	23
100	DFT-s-OFDM 64QAM	1	1	20.31	19.47	19.37	21
100	DFT-s-OFDM 256QAM	1	1	18.57	17.97	17.73	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.63	20.90	20.77	22
100	CP-OFDM 16QAM	1	1	21.32	20.47	20.38	22
100	CP-OFDM 64QAM	1	1	19.34	18.57	18.44	20
100	CP-OFDM 256QAM	1	1	16.65	16.30	15.77	17

DC_66A_n77 (3700 MHz ~ 3980 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.59	22.38	22.25	23.5
100		1	136	22.07	22.61	21.60	
100		1	272	21.84	21.55	21.96	
100		135	1	21.98	22.28	20.93	23.5
100		135	67	22.04	22.62	21.21	
100		135	136	21.77	21.84	21.03	
100		270	0	21.88	22.27	21.15	
100		1	1	22.96	22.42	21.29	
100	DFT-s-OFDM QPSK	1	136	22.06	22.63	21.55	23.5
100		1	272	21.40	21.20	21.57	
100		135	1	21.51	21.79	20.95	
100		135	67	22.08	22.73	21.38	23.5
100		135	136	21.22	21.73	21.20	
100		270	0	21.35	21.69	21.03	
100	DFT-s-OFDM 16QAM	1	1	22.16	21.50	21.23	23
100	DFT-s-OFDM 64QAM	1	1	20.16	19.66	19.39	21
100	DFT-s-OFDM 256QAM	1	1	18.50	18.01	17.82	19
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	CP-OFDM QPSK	1	1	21.73	21.14	20.70	22
100	CP-OFDM 16QAM	1	1	21.33	20.69	20.42	22
100	CP-OFDM 64QAM	1	1	19.22	18.65	18.48	20
100	CP-OFDM 256QAM	1	1	17.02	16.03	15.81	18

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	10.31	11
132322	132373	132472	QPSK	1	0	0	0	1	0	10.35	11
132572	132523	132622	QPSK	1	0	0	0	1	0	10.26	11
132072	132022	132121	16QAM	1	0	0	0	1	0	9.55	10
132322	132373	132472	16QAM	1	0	0	0	1	0	9.63	10
132572	132523	132622	16QAM	1	0	0	0	1	0	9.57	10
132072	132022	132121	64QAM	1	0	0	0	1	0	9.42	10
132322	132373	132472	64QAM	1	0	0	0	1	0	9.44	10
132572	132523	132622	64QAM	1	0	0	0	1	0	9.55	10
132072	132022	132121	QPSK	50	0	0	0	1	0	9.61	10
132322	132373	132472	QPSK	50	0	0	0	1	0	9.22	10
132572	132523	132622	QPSK	50	0	0	0	1	0	9.34	10

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	10.22	11
132322	132323	132521	QPSK	1	0	0	0	1	0	10.26	11
132572	132374	132572	QPSK	1	0	0	0	1	0	10.14	11
132072	132072	132270	16QAM	1	0	0	0	1	0	9.53	10
132322	132323	132521	16QAM	1	0	0	0	1	0	9.43	10
132572	132374	132572	16QAM	1	0	0	0	1	0	9.52	10
132072	132072	132270	64QAM	1	0	0	0	1	0	9.54	10
132322	132323	132521	64QAM	1	0	0	0	1	0	9.34	10
132572	132374	132572	64QAM	1	0	0	0	1	0	9.42	10

132072	132072	132270	QPSK	50	0	0	0	1	0	9.33	10
132322	132323	132521	QPSK	50	0	0	0	1	0	9.42	10
132572	132374	132572	QPSK	50	0	0	0	1	0	9.22	10

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	18900	1880	QPSK/1#0	4	20	20175	1732.5	9.11	10
	CA_2A-5A	2	20	18900	1880	QPSK/1#0	5	20	20525	836.5	9.16	10
	CA_2A-13A	2	20	18900	1880	QPSK/1#0	13	10	23230	782	9.17	10
	CA_2A-66A	2	20	18900	1880	QPSK/1#0	66	20	132322	1745	9.26	10
	CA_4A-5A	4	20	20175	1732.5	QPSK/1#0	5	20	20525	836.5	10.39	11
	CA_4A-13A	4	20	20175	1732.5	QPSK/1#0	13	10	23230	782	10.55	11
	CA_5A-66A	5	20	20525	836.5	QPSK/1#0	66	20	132322	1745	12.14	13
	CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132322	1745	12.37	13

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	18900	1880	QPSK/1#0	71	20	68786	637	8.62	11
	CA_4A-71A	4	20	20175	1732.5	QPSK/1#0	12	10	5095	737.5	9.52	12
	CA_5A-12A	5	10	20525	836.5	QPSK/1#0	12	10	5095	737.5	11.33	13
	CA_13A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	11.62	14
	CA_2A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	9.11	11
	CA_48A-48A	48	20	56640	3690	QPSK/1#0	48	20	56640	3690	10.16	12
	CA_5A-48A	5	10	20525	836.5	QPSK/1#0	48	20	56640	3690	11.51	13
	CA_48A-66A	48	20	56640	3690	QPSK/1#0	66	20	66886	2155	9.34	12

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	8.45	11
	CA_4A-4A-13A	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	13	10	5230	751	9.44	12
	CA_13A-48A-48A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	10.34	14
	CA_13A-48C	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	10.22	14
	CA_2A-48A-48A	2	20	18900	1880	QPSK/1#0	48	20	56640	3690	48	20	56640	3690	7.22	11
	CA_48B-66A	48	5	55265	3552.5	QPSK/1#0	66	20	66886	2155	48	15	56665	3692.5	10.63	12
	CA_2A-48C	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	48	20	56089	3634.9	8.11	11
	CA_4A-48C	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	48	20	56089	3634.9	9.25	12
	CA_48C-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56089	3634.9	66	20	66886	2155	10.11	12
	CA_5A-48C	5	10	20525	836.5	QPSK/1#0	5	10	40712	2602.2	48	20	56442	3670.2	12.13	13
	CA_13A-48A-66A	13	10	23230	782	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	11.14	14
CA_2A-48A-66A	2	20	19100	1900	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	9.14	11	

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	8.22	11
	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	8.05	11
	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	7.65	11
	CA_2A-2A-5A-12A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	12	10	5060	704	8.12	11
	CA_2A-2A-5B	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	5	10	2450	874	5	10	2450	874	8.16	11
	CA_2A-2A-12A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	12	10	5060	704	66	20	66886	2155	8.22	11
	CA_2A-2A-13A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	13	10	5230	751	66	20	66886	2155	8.34	11
	CA_2A-2A-66A-66A	2	20	18900	1880	QPSK/1#0	2	20	1100	1980	66	20	66886	2155	66	20	66886	2155	8.52	11
	CA_2A-4A-4A-5A	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	5	10	2450	874	9.11	11
	CA_2A-4A-5B	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	5	10	2450	874	9.26	11
	CA_2A-4A-12B	2	20	18900	1880	QPSK/1#0	4	20	2175	2132.5	4	20	2175	2132.5	12	10	5060	704	9.14	11
	CA_2A-5A-66A-66A	2	20	18900	1880	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	9.13	11
	CA_2A-5B-66A	2	20	18900	1880	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	9.22	11
	CA_2A-12A-66A-66A	2	20	18900	1880	QPSK/1#0	12	10	5060	704	66	20	66886	2155	66	20	66886	2155	9.17	11
	CA_2A-13A-66A-66A	2	20	18900	1880	QPSK/1#0	13	10	5230	751	66	20	66886	2155	66	20	66886	2155	9.16	11
	CA_2A-66C-71A	2	20	18900	1880	QPSK/1#0	66	20	66886	2155	71	20	68768	635.2	71	20	68768	635.2	9.19	11
	CA_4A-4A-5B	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	5	10	2450	874	5	10	2450	874	10.14	12
	CA_4A-4A-12B	4	20	20175	1732.5	QPSK/1#0	4	20	2175	2132.5	12	10	5060	704	12	10	5060	704	10.11	12
	CA_5A-5A-66A-66A	5	10	20525	836.5	QPSK/1#0	5	10	2450	874	66	20	66886	2155	66	20	66886	2155	12.16	13
	CA_12B-66A-66A	12	10	23060	704	QPSK/1#0	66	20	66886	2155	66	20	66886	2155	66	20	66886	2155	12.13	13
CA_13A-48C-66A	13	10	23230	782	QPSK/1#0	13	10	23230	782	48	20	56089	3634.9	66	20	66886	2155	11.36	14	
CA_48C-66A-66A	48	20	55891	3615.1	QPSK/1#0	48	20	56640	3690	66	20	66886	2155	66	20	66886	2155	9.35	12	

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)
	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	8.44	11

Inter-band	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	8.55	11
	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	8.24	11
	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	8.34	11
	CA_2A-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	8.29	11
	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	8.33	11
	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	8.42	11