



REPORT No. : SZ21040341S01

Annex E1 Conducted Full Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.48	32.56	32.49	33.50	23.48	23.56	23.49	24.50
GPRS 1 Tx slot		32.50	32.55	32.51	33.50	23.50	23.55	23.51	24.50
GPRS 2 Tx slots		30.12	30.15	30.14	31.00	24.12	24.15	24.14	25.00
GPRS 3 Tx slots		28.14	28.12	28.11	29.00	23.88	23.86	23.85	24.74
GPRS 4 Tx slots		27.08	27.12	26.93	28.00	24.08	24.12	23.93	25.00
EDGE 1 Tx slot		25.86	25.83	25.91	27.00	16.86	16.83	16.91	18.00
EDGE 2 Tx slots		23.86	23.82	23.88	25.00	17.86	17.82	17.88	19.00
EDGE 3 Tx slots		22.06	22.07	22.03	23.00	17.80	17.81	17.77	18.74
EDGE 4 Tx slots		21.65	21.59	21.60	22.50	18.65	18.59	18.60	19.50

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.51	29.45	29.48	30.50	20.51	20.45	20.48	21.50
GPRS 1 Tx slot		29.50	29.46	29.50	30.50	20.50	20.46	20.50	21.50
GPRS 2 Tx slots		26.82	26.86	26.83	28.00	20.82	20.86	20.83	22.00
GPRS 3 Tx slots		24.78	24.60	24.71	26.00	20.52	20.34	20.45	21.74
GPRS 4 Tx slots		23.95	24.01	23.94	25.00	20.95	21.01	20.94	22.00
EDGE 1 Tx slot		24.86	24.89	24.82	26.00	15.86	15.89	15.82	17.00
EDGE 2 Tx slots		22.91	22.82	22.88	24.00	16.91	16.82	16.88	18.00
EDGE 3 Tx slots		21.13	21.12	20.93	22.00	16.87	16.86	16.67	17.74
EDGE 4 Tx slots		20.46	20.41	20.44	21.50	17.46	17.41	17.44	18.50

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	23.01	23.08	23.05	24.00	22.10	22.11	21.99	23.00
3GPP Rel 6	HSDPA Subtest-1	22.79	22.50	22.53	23.50	21.44	21.56	21.41	22.50
3GPP Rel 6	HSDPA Subtest-2	22.86	22.73	22.43	23.50	21.58	21.53	21.43	22.50
3GPP Rel 6	HSDPA Subtest-3	22.21	22.27	21.97	23.00	20.03	20.05	19.80	20.50
3GPP Rel 6	HSDPA Subtest-4	22.28	22.25	22.15	23.00	20.04	19.95	19.88	20.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.71	22.47	23.50	21.43	21.49	21.27	22.50
3GPP Rel 6	HSUPA Subtest-2	22.29	22.11	22.07	23.00	20.01	20.00	19.91	20.50
3GPP Rel 6	HSUPA Subtest-3	22.97	22.74	22.49	23.50	21.48	21.57	21.38	22.00
3GPP Rel 6	HSUPA Subtest-4	22.88	22.79	22.48	23.50	21.46	21.50	21.47	22.00
3GPP Rel 6	HSUPA Subtest-5	22.85	22.76	22.47	23.50	21.51	21.55	21.40	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.85	22.82	22.49	23.50	21.65	21.52	21.46	22.50

Band		WCDMA Band V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.50	23.52	23.47	24.50
3GPP Rel 6	HSDPA Subtest-1	22.13	22.17	22.03	23.00
3GPP Rel 6	HSDPA Subtest-2	22.31	22.13	22.15	23.00
3GPP Rel 6	HSDPA Subtest-3	21.73	21.67	21.57	22.50
3GPP Rel 6	HSDPA Subtest-4	21.63	21.68	21.64	22.50
3GPP Rel 6	HSUPA Subtest-1	22.14	22.17	22.12	23.00
3GPP Rel 6	HSUPA Subtest-2	21.63	21.64	21.58	22.00
3GPP Rel 6	HSUPA Subtest-3	22.19	22.20	22.20	23.00
3GPP Rel 6	HSUPA Subtest-4	22.15	22.20	22.09	23.00
3GPP Rel 6	HSUPA Subtest-5	22.24	22.19	22.05	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.12	22.17	22.07	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	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.72	22.73	22.68	23.5
20	QPSK	1	49	22.31	22.28	22.33	
20	QPSK	1	99	22.23	22.19	22.16	
20	QPSK	50	0	21.70	21.76	21.74	
20	QPSK	50	24	21.38	21.39	21.42	22.5
20	QPSK	50	50	21.27	21.33	21.36	
20	QPSK	100	0	21.16	21.15	21.14	
20	16QAM	1	0	21.54	21.53	21.61	
20	16QAM	1	49	21.26	21.25	21.41	22.5
20	16QAM	1	99	21.20	21.17	21.15	
20	16QAM	50	0	20.09	20.06	20.06	
20	16QAM	50	24	20.05	20.07	20.03	
20	16QAM	50	50	20.03	19.98	19.97	20.5
20	16QAM	100	0	20.04	19.96	19.95	
20	64QAM	1	0	20.56	20.63	20.54	
20	64QAM	1	49	20.49	20.60	20.48	
20	64QAM	1	99	20.40	20.54	20.49	21.5
20	64QAM	50	0	19.54	19.64	19.54	
20	64QAM	50	24	19.69	19.43	19.41	
20	64QAM	50	50	19.61	19.55	19.48	
20	64QAM	100	0	19.58	19.57	19.51	20.5
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	22.31	22.42	22.35	23.5
15	QPSK	1	37	22.19	22.16	22.21	
15	QPSK	1	74	22.11	22.07	22.04	
15	QPSK	36	0	21.35	21.43	21.36	
15	QPSK	36	20	21.26	21.27	21.30	22.5
15	QPSK	36	39	21.15	21.21	21.24	
15	QPSK	75	0	21.04	21.03	21.02	
15	16QAM	1	0	21.42	21.41	21.49	
15	16QAM	1	37	21.14	21.13	21.29	22.5
15	16QAM	1	74	21.08	21.05	21.03	
15	16QAM	36	0	19.97	19.94	19.94	
15	16QAM	36	20	19.93	19.95	19.91	
15	16QAM	36	39	19.91	19.86	19.85	20.5
15	16QAM	75	0	19.92	19.84	19.83	
15	64QAM	1	0	20.44	20.51	20.42	
15	64QAM	1	37	20.37	20.48	20.36	
15	64QAM	1	74	20.28	20.42	20.37	21.5
15	64QAM	36	0	19.42	19.52	19.42	
15	64QAM	36	20	19.57	19.31	19.29	
15	64QAM	36	39	19.49	19.43	19.36	
15	64QAM	75	0	19.46	19.45	19.39	20.5
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	QPSK	1	0	22.19	22.30	22.23	23.5
10	QPSK	1	25	22.07	22.04	22.09	
10	QPSK	1	49	21.99	21.95	21.92	
10	QPSK	25	0	21.23	21.31	21.24	
10	QPSK	25	12	21.14	21.15	21.18	22.5
10	QPSK	25	25	21.03	21.09	21.12	
10	QPSK	50	0	20.92	20.91	20.90	
10	16QAM	1	0	21.30	21.29	21.37	
10	16QAM	1	25	21.02	21.01	21.17	22.5
10	16QAM	1	49	20.96	20.93	20.91	
10	16QAM	25	0	19.85	19.82	19.82	
10	16QAM	25	12	19.81	19.83	19.79	
10	16QAM	25	25	19.79	19.74	19.73	20.5
10	16QAM	50	0	19.80	19.72	19.71	
10	64QAM	1	0	20.32	20.39	20.30	
10	64QAM	1	25	20.25	20.36	20.24	
10	64QAM	1	49	20.16	20.30	20.25	21.5
10	64QAM	25	0	19.30	19.40	19.30	
10	64QAM	25	12	19.45	19.19	19.17	
10	64QAM	25	25	19.37	19.31	19.24	
10	64QAM	50	0	19.34	19.33	19.27	20.5
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	22.08	22.19	22.12	23
5	QPSK	1	12	21.96	21.93	21.98	
5	QPSK	1	24	21.88	21.84	21.81	
5	QPSK	12	0	21.12	21.20	21.13	
5	QPSK	12	7	21.03	21.04	21.07	22
5	QPSK	12	13	20.92	20.98	21.01	
5	QPSK	25	0	20.81	20.80	20.79	
5	16QAM	1	0	21.19	21.18	21.16	
5	16QAM	1	12	20.91	20.90	21.06	22
5	16QAM	1	24	20.85	20.82	20.80	
5	16QAM	12	0	19.74	19.71	19.71	
5	16QAM	12	7	19.70	19.72	19.68	
5	16QAM	12	13	19.68	19.63	19.62	21
5	16QAM	25	0	19.69	19.61	19.60	
5	64QAM	1	0	20.11	20.18	20.19	
5	64QAM	1	12	20.14	20.15	20.13	
5	64QAM	1	24	20.05	20.19	20.14	21
5	64QAM	12	0	19.19	19.29	19.19	
5	64QAM	12	7	19.34	19.08	19.06	
5	64QAM	12	13	19.26	19.20	19.13	
5	64QAM	25	0	19.23	19.22	19.16	20
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	21.85	21.96	21.89	23
3	QPSK	1	8	21.73	21.70	21.75	
3	QPSK	1	14	21.65	21.61	21.58	
3	QPSK	8	0	20.89	20.97	20.90	
3	QPSK	8	4	20.80	20.81	20.84	22
3	QPSK	8	7	20.69	20.75	20.78	
3	QPSK	15	0	20.58	20.57	20.56	
3	16QAM	1	0	20.96	20.95	20.93	
3	16QAM	1	8	20.68	20.67	20.83	22
3	16QAM	1	14	20.62	20.59	20.57	
3	16QAM	8	0	19.51	19.48	19.48	
3	16QAM	8	4	19.47	19.49	19.45	

LTE Band 4							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.40	22.46	22.43	23.5
20	QPSK	1	49	22.23	22.27	22.23	
20	QPSK	1	99	22.11	22.08	22.15	
20	QPSK	50	0	21.33	21.42	21.36	
20	QPSK	50	24	21.26	21.31	21.13	22.5
20	QPSK	50	50	21.21	21.17	21.09	
20	QPSK	100	0	21.16	21.12	21.14	
20	16QAM	1	0	21.43	21.55	21.43	
20	16QAM	1	49	21.36	21.43	21.33	22.5
20	16QAM	1	99	21.26	21.30	21.27	
20	16QAM	50	0	20.60	20.59	20.52	
20	16QAM	50	24	20.43	20.40	20.50	
20	16QAM	50	50	20.30	20.47	20.33	21.5
20	16QAM	100	0	20.33	20.39	20.30	
20	64QAM	1	0	20.51	20.48	20.53	
20	64QAM	1	49	20.38	20.41	20.40	
20	64QAM	1	99	20.30	20.33	20.35	21.5
20	64QAM	50	0	19.52	19.53	19.42	
20	64QAM	50	24	19.40	19.41	19.33	
20	64QAM	50	50	19.20	19.25	19.23	
20	64QAM	100	0	19.32	19.33	19.30	20.5
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	22.33	22.36	22.31	23.5
15	QPSK	1	37	22.15	22.19	22.13	
15	QPSK	1	74	22.01	21.98	22.05	
15	QPSK	36	0	21.23	21.32	21.26	
15	QPSK	36	20	21.16	21.21	21.03	22.5
15	QPSK	36	39	21.11	21.07	20.99	
15	QPSK	75	0	21.06	21.02	21.04	
15	16QAM	1	0	21.33	21.45	21.33	
15	16QAM	1	37	21.26	21.33	21.23	22.5
15	16QAM	1	74	21.16	21.20	21.17	
15	16QAM	36	0	20.50	20.49	20.42	
15	16QAM	36	20	20.33	20.30	20.40	
15	16QAM	36	39	20.20	20.37	20.23	21.5
15	16QAM	75	0	20.23	20.29	20.20	
15	64QAM	1	0	20.41	20.38	20.43	
15	64QAM	1	37	20.28	20.31	20.30	
15	64QAM	1	74	20.20	20.23	20.25	21.5
15	64QAM	36	0	19.42	19.43	19.32	
15	64QAM	36	20	19.30	19.31	19.23	
15	64QAM	36	39	19.10	19.15	19.13	
15	64QAM	75	0	19.22	19.23	19.20	20.5
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	22.21	22.24	22.19	23.5
10	QPSK	1	25	22.03	22.07	22.01	
10	QPSK	1	49	21.89	21.86	21.93	
10	QPSK	25	0	21.11	21.20	21.14	
10	QPSK	25	12	21.04	21.09	20.91	22.5
10	QPSK	25	25	20.99	20.95	20.87	
10	QPSK	50	0	20.94	20.90	20.92	
10	16QAM	1	0	21.21	21.33	21.21	
10	16QAM	1	25	21.14	21.21	21.11	22.5
10	16QAM	1	49	21.04	21.08	21.05	
10	16QAM	25	0	20.38	20.37	20.30	
10	16QAM	25	12	20.21	20.18	20.28	
10	16QAM	25	25	20.08	20.25	20.11	21.5
10	16QAM	50	0	20.11	20.17	20.08	
10	64QAM	1	0	20.29	20.26	20.31	
10	64QAM	1	25	20.16	20.19	20.18	
10	64QAM	1	49	20.08	20.11	20.13	21.5
10	64QAM	25	0	19.30	19.31	19.20	
10	64QAM	25	12	19.18	19.19	19.11	
10	64QAM	25	25	18.98	19.03	19.01	
10	64QAM	50	0	19.10	19.11	19.02	20.5
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	22.08	22.11	22.06	23.5
5	QPSK	1	12	21.90	21.94	21.88	
5	QPSK	1	24	21.76	21.73	21.80	
5	QPSK	12	0	20.98	21.07	21.01	
5	QPSK	12	7	20.91	20.96	20.78	22.5
5	QPSK	12	13	20.86	20.82	20.74	
5	QPSK	25	0	20.81	20.77	20.79	
5	16QAM	1	0	21.08	21.20	21.08	
5	16QAM	1	12	21.01	21.08	20.98	22.5
5	16QAM	1	24	20.91	20.95	20.92	
5	16QAM	12	0	20.25	20.24	20.17	
5	16QAM	12	7	20.08	20.05	20.15	
5	16QAM	12	13	19.95	20.12	19.98	21.5
5	16QAM	25	0	19.98	20.04	19.95	
5	64QAM	1	0	20.16	20.13	20.18	
5	64QAM	1	12	20.03	20.06	20.05	
5	64QAM	1	24	19.95	19.98	20.00	21.5
5	64QAM	12	0	19.17	19.18	19.07	
5	64QAM	12	7	19.05	19.06	18.98	
5	64QAM	12	13	18.85	18.90	18.88	
5	64QAM	25	0	19.09	19.10	19.07	20.5
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)
3	QPSK	1	0	21.97	22.00	21.95	23.5
3	QPSK	1	8	21.79	21.83	21.77	
3	QPSK	1	14	21.65	21.62	21.69	
3	QPSK	8	0	20.87	20.96	20.90	
3	QPSK	8	4	20.80	20.85	20.67	22.5
3	QPSK	8	7	20.75	20.71	20.63	
3	QPSK	15	0	20.70	20.66	20.68	
3	16QAM	1	0	20.97	21.09	20.97	
3	16QAM	1	8	20.90	20.97	20.87	22.5
3	16QAM	1	14	20.80	20.84	20.81	
3	16QAM	8	0	20.14	20.13	20.06	
3	16QAM	8	4	19.97	19.94	20.04	
							21.5

3	16QAM	8	7	19.45	19.40	19.39	19.4
3	16QAM	15	0	19.46	19.38	19.37	
3	64QAM	1	0	19.88	19.95	19.96	
3	64QAM	1	8	19.91	19.92	19.90	21
3	64QAM	1	14	19.82	19.96	19.91	
3	64QAM	8	0	18.96	19.06	18.96	
3	64QAM	8	4	19.11	18.85	18.83	20
3	64QAM	8	7	19.03	18.97	18.90	
3	64QAM	15	0	19.00	18.99	18.93	
Channel				18607	18900	19193	Tune-up limit (rIRm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.62	21.63	21.56	22
1.4	QPSK	1	3	21.60	21.57	21.62	
1.4	QPSK	1	5	21.52	21.48	21.45	
1.4	QPSK	3	0	20.76	20.84	20.77	
1.4	QPSK	3	1	20.67	20.68	20.71	
1.4	QPSK	3	3	20.56	20.62	20.65	
1.4	QPSK	6	0	20.45	20.44	20.43	21
1.4	16QAM	1	0	20.83	20.82	20.80	
1.4	16QAM	1	3	20.55	20.54	20.70	21.5
1.4	16QAM	1	5	20.49	20.46	20.44	
1.4	16QAM	3	0	19.38	19.35	19.35	
1.4	16QAM	3	1	19.34	19.36	19.32	
1.4	16QAM	3	3	19.32	19.27	19.26	
1.4	16QAM	6	0	19.33	19.25	19.24	
1.4	64QAM	1	0	19.75	19.82	19.83	20.5
1.4	64QAM	1	3	19.78	19.79	19.77	
1.4	64QAM	1	5	19.69	19.83	19.78	
1.4	64QAM	3	0	18.83	18.93	18.83	
1.4	64QAM	3	1	18.98	18.72	18.70	
1.4	64QAM	3	3	18.90	18.84	18.77	
1.4	64QAM	6	0	18.87	18.86	18.80	19.5

3	16QAM	8	7	19.84	20.01	19.87	19.9
3	16QAM	15	0	19.87	19.93	19.84	
3	16QAM	1	0	20.05	20.02	20.07	
3	16QAM	1	8	19.92	19.95	19.94	20.5
3	16QAM	1	14	19.84	19.87	19.89	
3	16QAM	8	0	19.06	19.07	18.96	
3	16QAM	8	4	18.94	18.95	18.87	19.5
3	16QAM	8	7	18.74	18.79	18.77	
3	16QAM	15	0	18.98	18.99	18.96	
Channel				19957	20175	20393	Tune-up limit (rIRm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.84	21.87	21.82	23.5
1.4	QPSK	1	3	21.66	21.70	21.64	
1.4	QPSK	1	5	21.52	21.49	21.56	
1.4	QPSK	3	0	20.74	20.83	20.77	
1.4	QPSK	3	1	20.67	20.73	20.54	
1.4	QPSK	3	3	20.62	20.58	20.50	
1.4	QPSK	6	0	20.57	20.53	20.55	22.5
1.4	16QAM	1	0	20.84	20.96	20.84	
1.4	16QAM	1	3	20.77	20.84	20.74	21.5
1.4	16QAM	1	5	20.67	20.71	20.68	
1.4	16QAM	3	0	20.01	20.00	19.93	
1.4	16QAM	3	1	19.84	19.81	19.91	
1.4	16QAM	3	3	19.71	19.88	19.74	
1.4	16QAM	6	0	19.74	19.80	19.71	
1.4	16QAM	1	0	19.92	19.89	19.94	20.5
1.4	16QAM	1	3	19.79	19.82	19.81	
1.4	16QAM	1	5	19.71	19.74	19.76	
1.4	16QAM	3	0	18.93	18.94	18.83	
1.4	16QAM	3	1	18.81	18.82	18.74	
1.4	16QAM	3	3	18.61	18.66	18.64	
1.4	16QAM	6	0	18.86	18.87	18.84	19.5

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	24.5
10	QPSK	1	0	23.40	23.41	23.38	
10	QPSK	1	25	23.29	23.25	23.27	
10	QPSK	1	49	23.10	23.18	23.11	
10	QPSK	25	0	22.34	22.40	22.32	
10	QPSK	25	12	22.30	22.33	22.26	23.5
10	QPSK	25	25	22.19	22.18	22.20	
10	QPSK	50	0	22.20	22.28	22.20	
10	16QAM	1	0	22.35	22.44	22.39	
10	16QAM	1	25	22.20	22.25	22.22	
10	16QAM	1	49	22.20	22.23	22.32	23.5
10	16QAM	25	0	21.41	21.37	21.36	
10	16QAM	25	12	21.22	21.27	21.29	
10	16QAM	25	25	21.32	21.36	21.26	
10	16QAM	50	0	21.25	21.36	21.22	
10	64QAM	1	0	21.27	21.34	21.34	22.5
10	64QAM	1	25	21.36	21.47	21.65	
10	64QAM	1	49	21.22	21.30	21.28	
10	64QAM	25	0	20.32	20.24	20.34	
10	64QAM	25	12	20.41	20.37	20.40	
10	64QAM	25	25	20.41	20.38	20.27	21.5
10	64QAM	50	0	20.41	20.31	20.38	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.18	23.23	23.15	24
5	QPSK	1	12	23.07	23.13	23.05	
5	QPSK	1	24	22.98	23.06	22.96	
5	QPSK	12	0	22.22	22.28	22.20	
5	QPSK	12	7	22.18	22.21	22.14	
5	QPSK	12	13	22.07	22.06	22.08	23
5	QPSK	25	0	22.08	22.16	22.08	
5	16QAM	1	0	22.03	22.12	22.07	
5	16QAM	1	12	22.08	22.07	22.10	
5	16QAM	1	24	22.08	22.11	22.33	
5	16QAM	12	0	21.29	21.25	21.24	22
5	16QAM	12	7	21.10	21.15	21.17	
5	16QAM	12	13	21.20	21.24	21.14	
5	16QAM	25	0	21.13	21.24	21.10	
5	64QAM	1	0	21.15	21.22	21.22	
5	64QAM	1	12	21.24	21.35	21.53	22
5	64QAM	1	24	21.10	21.18	21.16	
5	64QAM	12	0	20.20	20.12	20.22	
5	64QAM	12	7	20.29	20.25	20.28	
5	64QAM	12	13	20.29	20.26	20.15	
5	64QAM	25	0	20.29	20.19	20.26	21
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.07	23.12	23.04	23.5
3	QPSK	1	8	22.96	23.02	22.94	
3	QPSK	1	14	22.87	22.95	22.85	
3	QPSK	8	0	22.11	22.17	22.09	
3	QPSK	8	4	22.07	22.10	22.03	
3	QPSK	8	7	21.96	21.95	21.97	22.5
3	QPSK	15	0	21.97	22.05	21.97	
3	16QAM	1	0	21.92	22.01	21.96	
3	16QAM	1	8	21.97	21.96	21.99	
3	16QAM	1	14	21.97	22.00	22.22	
3	16QAM	8	0	21.18	21.14	21.13	21.5
3	16QAM	8	4	20.99	21.04	21.06	
3	16QAM	8	7	21.09	21.13	21.03	
3	16QAM	15	0	21.02	21.13	20.99	
3	64QAM	1	0	21.04	21.11	21.11	
3	64QAM	1	8	21.13	21.24	21.42	21.5
3	64QAM	1	14	20.99	21.07	21.05	
3	64QAM	8	0	20.09	20.01	20.11	
3	64QAM	8	4	20.18	20.14	20.17	
3	64QAM	8	7	20.18	20.15	20.04	
3	64QAM	15	0	20.18	20.08	20.15	20.5
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	22.97	23.02	22.94	23.5
1.4	QPSK	1	3	22.86	22.92	22.84	
1.4	QPSK	1	5	22.77	22.85	22.75	
1.4	QPSK	3	0	22.01	22.07	21.99	
1.4	QPSK	3	1	21.97	22.00	21.93	
1.4	QPSK	3	3	21.86	21.85	21.87	22.5
1.4	QPSK	6	0	21.87	21.95	21.87	
1.4	16QAM	1	0	21.82	21.91	21.86	
1.4	16QAM	1	3	21.87	21.86	21.89	
1.4	16QAM	1	5	21.87	21.90	22.12	
1.4	16QAM	3	0	21.08	21.04	21.03	22.5
1.4	16QAM	3	1	20.89	20.94	20.96	
1.4	16QAM	3	3	20.99	21.03	20.93	
1.4	16QAM	6	0	20.92	21.03	20.89	
1.4	64QAM	1	0	20.94	21.01	21.01	
1.4	64QAM	1	3	21.03	21.14	21.32	21.5
1.4	64QAM	1	5	20.89	20.97	20.95	
1.4	64QAM	3	0	19.99	19.91	20.01	
1.4	64QAM	3	1	20.08	20.04	20.07	
1.4	64QAM	3	3	20.08	20.05	19.94	
1.4	64QAM	6	0	20.08	19.98	20.05	20.5

LTE Band 7							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	23.7
20	QPSK	1	0	22.65	22.71	22.54	
20	QPSK	1	49	22.53	22.58	22.49	
20	QPSK	1	99	22.41	22.47	22.34	
20	QPSK	50	0	21.85	21.87	21.81	
20	QPSK	50	24	21.80	21.74	21.68	22.7
20	QPSK	50	50	21.62	21.64	21.65	
20	QPSK	100	0	21.48	21.52	21.55	
20	16QAM	1	0	21.82	21.80	21.81	
20	16QAM	1	49	21.73	21.71	21.83	
20	16QAM	1	99	21.72	21.77	21.79	21.7
20	16QAM	50	0	20.83	20.81	20.90	
20	16QAM	50	24	20.95	20.81	20.93	
20	16QAM	50	50	20.86	21.00	20.90	
20	16QAM	100	0	21.04	20.90	20.92	
20	64QAM	1	0	20.71	20.88	20.98	21.7
20	64QAM	1	49	20.90	21.01	21.19	
20	64QAM	1	99	20.76	21.14	21.02	
20	64QAM	50	0	19.86	19.78	19.88	
20	64QAM	50	24	19.95	19.91	19.94	
20	64QAM	50	50	19.95	19.92	19.81	20.7
20	64QAM	100	0	19.95	19.85	19.92	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)
15	QPSK	1	0	22.55	22.61	22.44	
15	QPSK	1	37	22.43	22.48	22.39	23.7
15	QPSK	1	74	22.31	22.37	22.24	
15	QPSK	36	0	21.75	21.77	21.71	
15	QPSK	36	20	21.70	21.64	21.58	
15	QPSK	36	39	21.52	21.54	21.55	22.7
15	QPSK	75	0	21.38	21.42	21.45	
15	16QAM	1	0	21.72	21.70	21.71	
15	16QAM	1	37	21.63	21.61	21.73	
15	16QAM	1	74	21.62	21.67	21.69	
15	16QAM	36	0	20.73	20.71	20.80	21.7
15	16QAM	36	20	20.85	20.71	20.83	
15	16QAM	36	39	20.76	20.90	20.80	
15	16QAM	75	0	20.94	20.80	20.82	
15	64QAM	1	0	20.61	20.78	20.88	
15	64QAM	1	37	20.80	20.91	21.09	21.7
15	64QAM	1	74	20.66	21.04	20.92	
15	64QAM	36	0	19.76	19.68	19.78	
15	64QAM	36	20	19.85	19.81	19.84	
15	64QAM	36	39	19.85	19.82	19.71	
15	64QAM	75	0	19.85	19.75	19.82	20.7
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)
10	QPSK	1	0	22.43	22.49	22.32	
10	QPSK	1	25	22.31	22.36	22.27	23.7
10	QPSK	1	49	22.19	22.25	22.12	
10	QPSK	25	0	21.63	21.65	21.59	
10	QPSK	25	12	21.58	21.52	21.46	
10	QPSK	25	25	21.40	21.42	21.43	22.7
10	QPSK	50	0	21.26	21.30	21.33	
10	16QAM	1	0	21.60	21.58	21.59	
10	16QAM	1	25	21.51	21.49	21.61	
10	16QAM	1	49	21.50	21.55	21.57	
10	16QAM	25	0	20.61	20.59	20.68	21.7
10	16QAM	25	12	20.73	20.59	20.71	
10	16QAM	25	25	20.64	20.78	20.68	
10	16QAM	50	0	20.82	20.68	20.70	
10	64QAM	1	0	20.49	20.66	20.76	
10	64QAM	1	25	20.68	20.79	20.97	21.7
10	64QAM	1	49	20.54	20.92	20.80	
10	64QAM	25	0	19.64	19.56	19.66	20.7
10	64QAM	25	12	19.73	19.69	19.72	
10	64QAM	25	25	19.73	19.70	19.59	
10	64QAM	50	0	19.73	19.63	19.70	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)
5	QPSK	1	0	22.32	22.38	22.21	
5	QPSK	1	12	22.20	22.25	22.16	23.7
5	QPSK	1	24	22.08	22.14	22.01	
5	QPSK	12	0	21.52	21.54	21.48	
5	QPSK	12	7	21.47	21.41	21.35	
5	QPSK	12	13	21.29	21.31	21.32	22.7
5	QPSK	25	0	21.15	21.19	21.22	
5	16QAM	1	0	21.49	21.47	21.48	
5	16QAM	1	12	21.40	21.38	21.50	
5	16QAM	1	24	21.39	21.44	21.46	
5	16QAM	12	0	20.50	20.48	20.57	21.7
5	16QAM	12	7	20.62	20.48	20.60	
5	16QAM	12	13	20.53	20.67	20.57	
5	16QAM	25	0	20.71	20.57	20.59	
5	64QAM	1	0	20.38	20.55	20.65	
5	64QAM	1	12	20.57	20.68	20.86	21.7
5	64QAM	1	24	20.43	20.81	20.69	
5	64QAM	12	0	19.53	19.45	19.55	
5	64QAM	12	7	19.62	19.58	19.61	20.7
5	64QAM	12	13	19.62	19.59	19.48	
5	64QAM	25	0	19.62	19.52	19.59	

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	23.37	23.42	23.33	24.5
10	QPSK	1	25	23.26	23.17	23.24	
10	QPSK	1	49	23.16	23.20	23.12	
10	QPSK	25	0	22.30	22.35	22.34	
10	QPSK	25	12	22.23	22.35	22.22	23.5
10	QPSK	25	25	22.18	22.16	22.17	
10	QPSK	50	0	22.07	22.06	22.10	
10	16QAM	1	0	22.62	22.72	22.69	
10	16QAM	1	25	22.66	22.63	22.51	23.5
10	16QAM	1	49	22.57	22.54	22.42	
10	16QAM	25	0	21.27	21.32	21.37	
10	16QAM	25	12	21.21	21.23	21.25	
10	16QAM	25	25	21.14	21.12	21.16	22.5
10	16QAM	50	0	21.06	21.07	21.09	
10	64QAM	1	0	21.53	21.47	21.56	
10	64QAM	1	25	21.48	21.39	21.43	
10	64QAM	1	49	21.32	21.34	21.37	21.5
10	64QAM	25	0	20.30	20.33	20.35	
10	64QAM	25	12	20.22	20.24	20.26	
10	64QAM	25	25	20.16	20.19	20.23	
10	64QAM	50	0	20.14	20.17	20.16	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.25	23.32	23.17	24
5	QPSK	1	12	23.10	23.11	23.08	
5	QPSK	1	24	23.02	23.05	22.97	
5	QPSK	12	0	22.19	22.14	22.18	
5	QPSK	12	7	22.16	22.11	22.15	23
5	QPSK	12	13	22.10	22.06	22.11	
5	QPSK	25	0	22.02	21.99	22.03	
5	16QAM	1	0	22.69	22.66	22.63	
5	16QAM	1	12	22.60	22.57	22.45	23.5
5	16QAM	1	24	22.51	22.48	22.36	
5	16QAM	12	0	21.21	21.26	21.31	
5	16QAM	12	7	21.15	21.17	21.19	
5	16QAM	12	13	21.08	21.06	21.10	23
5	16QAM	25	0	21.00	21.01	21.03	
5	64QAM	1	0	21.47	21.41	21.50	
5	64QAM	1	12	21.42	21.33	21.37	
5	64QAM	1	24	21.26	21.28	21.31	22.5
5	64QAM	12	0	20.24	20.27	20.29	
5	64QAM	12	7	20.16	20.18	20.20	
5	64QAM	12	13	20.10	20.13	20.17	
5	64QAM	25	0	20.08	20.11	20.10	21
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.19	23.26	23.11	24
3	QPSK	1	8	23.04	23.05	23.02	
3	QPSK	1	14	22.96	22.99	22.91	
3	QPSK	8	0	22.13	22.08	22.12	
3	QPSK	8	4	22.10	22.05	22.09	23
3	QPSK	8	7	22.04	22.00	22.05	
3	QPSK	15	0	21.96	21.93	21.97	
3	16QAM	1	0	22.63	22.60	22.57	
3	16QAM	1	8	22.54	22.51	22.39	23
3	16QAM	1	14	22.45	22.42	22.30	
3	16QAM	8	0	21.15	21.20	21.25	
3	16QAM	8	4	21.09	21.11	21.13	
3	16QAM	8	7	21.02	21.00	21.04	22
3	16QAM	15	0	20.94	20.95	20.97	
3	64QAM	1	0	21.41	21.35	21.44	
3	64QAM	1	8	21.36	21.27	21.31	
3	64QAM	1	14	21.20	21.22	21.25	22
3	64QAM	8	0	20.18	20.21	20.23	
3	64QAM	8	4	20.10	20.12	20.14	
3	64QAM	8	7	20.04	20.07	20.11	
3	64QAM	15	0	20.02	20.05	20.04	21
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.15	23.22	23.07	24
1.4	QPSK	1	3	23.00	23.01	22.98	
1.4	QPSK	1	5	22.92	22.95	22.87	
1.4	QPSK	3	0	22.09	22.04	22.08	
1.4	QPSK	3	1	22.06	22.01	22.05	22.5
1.4	QPSK	3	3	22.00	21.96	22.01	
1.4	QPSK	6	0	21.92	21.89	21.93	
1.4	16QAM	1	0	22.59	22.56	22.53	
1.4	16QAM	1	3	22.50	22.47	22.35	23
1.4	16QAM	1	5	22.41	22.38	22.26	
1.4	16QAM	3	0	21.11	21.16	21.21	
1.4	16QAM	3	1	21.05	21.07	21.09	
1.4	16QAM	3	3	20.98	20.96	21.00	21.5
1.4	16QAM	6	0	20.90	20.91	20.93	
1.4	64QAM	1	0	21.37	21.31	21.40	
1.4	64QAM	1	3	21.32	21.23	21.27	
1.4	64QAM	1	5	21.16	21.18	21.21	22
1.4	64QAM	3	0	20.14	20.17	20.19	
1.4	64QAM	3	1	20.06	20.08	20.10	
1.4	64QAM	3	3	20.00	20.03	20.07	
1.4	64QAM	6	0	19.98	20.01	20.00	20.5

LTE Band 17							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.23	23.35	23.24	24.5
10	QPSK	1	25	23.11	23.17	23.15	
10	QPSK	1	49	23.04	23.07	23.02	
10	QPSK	25	0	22.23	22.25	22.23	
10	QPSK	25	12	22.16	22.14	22.11	23.5
10	QPSK	25	25	22.12	22.08	22.07	
10	QPSK	50	0	22.09	22.05	22.03	
10	16QAM	1	0	22.79	22.68	22.67	
10	16QAM	1	25	22.67	22.63	22.59	23.5
10	16QAM	1	49	22.53	22.56	22.51	
10	16QAM	25	0	21.26	21.23	21.21	
10	16QAM	25	12	21.17	21.19	21.16	
10	16QAM	25	25	21.12	21.15	21.13	22.5
10	16QAM	50	0	21.06	21.09	21.04	
10	64QAM	1	0	22.81	22.58	22.81	
10	64QAM	1	25	22.68	22.55	22.63	
10	64QAM	1	49	22.53	22.41	22.41	23.5
10	64QAM	25	0	21.22	21.20	21.19	
10	64QAM	25	12	21.14	21.13	21.07	
10	64QAM	25	25	21.08	21.04	20.99	
10	64QAM	50	0	20.95	20.96	20.87	22
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.19	23.24	23.20	24
5	QPSK	1	12	23.07	23.13	23.11	
5	QPSK	1	24	23.00	23.03	22.98	
5	QPSK	12	0	22.21	22.17	22.11	
5	QPSK	12	7	22.12	22.10	22.07	23
5	QPSK	12	13	22.08	22.04	22.03	
5	QPSK	25	0	22.05	22.01	21.99	
5	16QAM	1	0	22.75	22.64	22.63	
5	16QAM	1	12	22.63	22.59	22.55	23.5
5	16QAM	1	24	22.49	22.52	22.47	
5	16QAM	12	0	21.22	21.19	21.17	
5	16QAM	12	7	21.13	21.15	21.12	
5	16QAM	12	13	21.08	21.11	21.09	22
5	16QAM	25	0	21.02	21.05	21.00	
5	64QAM	1	0	22.77	22.54	22.77	
5	64QAM	1	12	22.64	22.51	22.59	
5	64QAM	1	24	22.49	22.37	22.37	23.5
5	64QAM	12	0	21.18	21.16	21.15	
5	64QAM	12	7	21.10	21.09	21.03	
5	64QAM	12	13	21.04	21.00	20.95	
5	64QAM	25	0	20.91	20.92	20.83	22

LTE Band 26							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	24
15	QPSK	1	0	23.07	23.15	23.08	
15	QPSK	1	37	22.89	22.92	22.85	
15	QPSK	1	74	22.74	22.78	22.77	
15	QPSK	36	0	22.15	22.18	22.10	
15	QPSK	36	20	22.16	22.13	22.09	23
15	QPSK	36	39	22.09	22.07	22.03	
15	QPSK	75	0	22.18	22.14	22.13	
15	16QAM	1	0	22.74	22.54	22.34	
15	16QAM	1	37	22.53	22.41	22.31	
15	16QAM	1	74	22.34	22.28	22.26	22
15	16QAM	36	0	21.22	21.19	21.15	
15	16QAM	36	20	21.18	21.15	21.11	
15	16QAM	36	39	21.14	21.12	21.19	
15	16QAM	75	0	21.19	21.17	21.15	
15	64QAM	1	0	21.41	21.45	21.40	22
15	64QAM	1	37	21.23	21.31	21.35	
15	64QAM	1	74	21.45	21.44	21.41	
15	64QAM	36	0	20.20	20.35	20.34	
15	64QAM	36	20	20.25	20.21	20.21	
15	64QAM	36	39	20.21	20.15	20.21	21
15	64QAM	75	0	20.24	20.21	20.26	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.96	23.04	22.97	23.5
10	QPSK	1	25	22.78	22.81	22.74	
10	QPSK	1	49	22.63	22.67	22.66	
10	QPSK	25	0	22.04	22.07	21.99	
10	QPSK	25	12	22.05	22.02	21.98	
10	QPSK	25	25	21.98	21.96	21.92	22.5
10	QPSK	50	0	22.07	22.03	22.02	
10	16QAM	1	0	22.63	22.43	22.23	
10	16QAM	1	25	22.42	22.30	22.20	
10	16QAM	1	49	22.23	22.17	22.15	
10	16QAM	25	0	21.11	21.08	21.04	23
10	16QAM	25	12	21.07	21.04	21.00	
10	16QAM	25	25	21.03	21.01	21.08	
10	16QAM	50	0	21.08	21.06	21.04	
10	64QAM	1	0	21.30	21.34	21.29	
10	64QAM	1	25	21.12	21.20	21.24	22
10	64QAM	1	49	21.34	21.33	21.30	
10	64QAM	25	0	20.09	20.24	20.23	
10	64QAM	25	12	20.14	20.10	20.10	
10	64QAM	25	25	20.10	20.04	20.10	
10	64QAM	50	0	20.13	20.10	20.15	20.5
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.83	22.91	22.84	23.5
5	QPSK	1	12	22.65	22.68	22.61	
5	QPSK	1	24	22.50	22.54	22.53	
5	QPSK	12	0	21.91	21.94	21.86	
5	QPSK	12	7	21.92	21.89	21.85	
5	QPSK	12	13	21.85	21.83	21.79	22.5
5	QPSK	25	0	21.94	21.90	21.89	
5	16QAM	1	0	22.50	22.30	22.10	
5	16QAM	1	12	22.29	22.17	22.07	
5	16QAM	1	24	22.10	22.04	22.02	
5	16QAM	12	0	20.98	20.95	20.91	23
5	16QAM	12	7	20.94	20.91	20.87	
5	16QAM	12	13	20.90	20.88	20.95	
5	16QAM	25	0	20.95	20.93	20.91	
5	64QAM	1	0	21.17	21.21	21.16	
5	64QAM	1	12	20.99	21.07	21.11	21.5
5	64QAM	1	24	21.21	21.20	21.17	
5	64QAM	12	0	19.96	20.11	20.10	
5	64QAM	12	7	20.01	19.97	19.97	
5	64QAM	12	13	19.97	19.91	19.97	
5	64QAM	25	0	20.00	19.97	20.02	20.5
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.71	22.79	22.72	23.5
3	QPSK	1	8	22.53	22.56	22.49	
3	QPSK	1	14	22.38	22.42	22.41	
3	QPSK	8	0	21.79	21.82	21.74	
3	QPSK	8	4	21.80	21.77	21.73	
3	QPSK	8	7	21.73	21.71	21.67	22.5
3	QPSK	15	0	21.82	21.78	21.77	
3	16QAM	1	0	22.08	22.18	21.98	
3	16QAM	1	8	22.17	22.05	21.95	
3	16QAM	1	14	21.98	21.92	21.90	
3	16QAM	8	0	20.86	20.83	20.79	21.5
3	16QAM	8	4	20.82	20.79	20.75	
3	16QAM	8	7	20.78	20.76	20.83	
3	16QAM	15	0	20.83	20.81	20.79	
3	64QAM	1	0	21.05	21.09	21.04	
3	64QAM	1	8	20.87	20.95	20.99	21.5
3	64QAM	1	14	21.09	21.08	21.05	
3	64QAM	8	0	19.84	19.99	19.98	
3	64QAM	8	4	19.89	19.85	19.85	
3	64QAM	8	7	19.85	19.79	19.85	
3	64QAM	15	0	19.88	19.85	19.90	20.5
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.58	22.66	22.59	23
1.4	QPSK	1	3	22.40	22.43	22.36	
1.4	QPSK	1	5	22.25	22.29	22.28	
1.4	QPSK	3	0	21.66	21.69	21.61	
1.4	QPSK	3	1	21.67	21.64	21.60	
1.4	QPSK	3	3	21.60	21.58	21.54	22
1.4	QPSK	6	0	21.69	21.65	21.64	
1.4	16QAM	1	0	22.02	22.05	21.85	
1.4	16QAM	1	3	22.04	21.92	21.82	
1.4	16QAM	1	5	21.85	21.79	21.77	
1.4	16QAM	3	0	20.73	20.70	20.66	22.5
1.4	16QAM	3	1	20.69	20.66	20.62	

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	24.3
20	QPSK	1	0	23.35	23.46	23.41	
20	QPSK	1	49	23.27	23.34	23.29	
20	QPSK	1	99	23.12	23.25	23.21	
20	QPSK	50	0	22.49	22.54	22.50	
20	QPSK	50	24	22.36	22.32	22.41	23.3
20	QPSK	50	50	22.24	22.21	22.38	
20	QPSK	100	0	22.17	22.13	22.22	
20	16QAM	1	0	22.32	22.37	22.33	
20	16QAM	1	49	22.30	22.24	22.40	
20	16QAM	1	99	22.23	22.31	22.38	22.3
20	16QAM	50	0	21.44	21.36	21.41	
20	16QAM	50	24	21.40	21.43	21.49	
20	16QAM	50	50	21.55	21.42	21.36	
20	16QAM	100	0	21.60	21.40	21.45	
20	64QAM	1	0	21.34	21.52	21.59	22.3
20	64QAM	1	49	21.49	21.49	21.53	
20	64QAM	1	99	21.46	21.60	21.65	
20	64QAM	50	0	20.55	20.53	20.55	
20	64QAM	50	24	20.65	20.55	20.43	
20	64QAM	50	50	20.60	20.48	20.37	21.3
20	64QAM	100	0	20.42	20.50	20.41	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	24.3
15	QPSK	1	0	23.23	23.34	23.29	
15	QPSK	1	37	23.15	23.22	23.17	
15	QPSK	1	74	23.00	23.13	23.09	
15	QPSK	36	0	22.37	22.42	22.38	23.3
15	QPSK	36	20	22.24	22.20	22.29	
15	QPSK	36	39	22.12	22.09	22.26	
15	QPSK	75	0	22.05	22.01	22.10	
15	16QAM	1	0	22.20	22.25	22.21	
15	16QAM	1	37	22.18	22.12	22.28	23.3
15	16QAM	1	74	22.11	22.19	22.26	
15	16QAM	36	0	21.32	21.24	21.29	
15	16QAM	36	20	21.28	21.31	21.37	
15	16QAM	36	39	21.43	21.30	21.24	
15	16QAM	75	0	21.48	21.28	21.33	22.3
15	64QAM	1	0	21.22	21.40	21.47	
15	64QAM	1	37	21.37	21.37	21.41	
15	64QAM	1	74	21.34	21.48	21.53	
15	64QAM	36	0	20.43	20.41	20.43	
15	64QAM	36	20	20.53	20.43	20.31	21.3
15	64QAM	36	39	20.48	20.36	20.25	
15	64QAM	75	0	20.30	20.38	20.29	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	24.3
10	QPSK	1	0	23.11	23.22	23.17	
10	QPSK	1	25	23.03	23.10	23.05	
10	QPSK	1	49	22.88	23.01	22.97	
10	QPSK	25	0	22.25	22.30	22.26	

1.4	16QAM	3	3	20.65	20.63	20.70	21
1.4	16QAM	6	0	20.70	20.68	20.66	
1.4	16QAM	1	0	20.92	20.96	20.91	
1.4	16QAM	1	3	20.74	20.82	20.86	21.5
1.4	16QAM	1	5	20.96	20.95	20.92	
1.4	16QAM	3	0	19.71	19.86	19.85	
1.4	16QAM	3	1	19.76	19.72	19.72	
1.4	16QAM	3	3	19.72	19.66	19.72	
1.4	16QAM	6	0	19.75	19.72	19.77	20.5

3	16QAM	8	7	21.06	21.08	21.24	22.3
3	16QAM	15	0	20.99	21.02	21.09	
3	64QAM	1	0	22.66	22.58	22.76	
3	64QAM	1	8	22.53	22.51	22.63	23.3
3	64QAM	1	14	22.46	22.43	22.55	
3	64QAM	8	0	21.26	21.23	21.20	
3	64QAM	8	4	21.11	21.10	21.23	22.3
3	64QAM	8	7	21.04	21.03	21.15	
3	64QAM	15	0	20.96	20.91	21.00	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.88	22.99	22.94	23.3
1.4	QPSK	1	3	22.80	22.87	22.82	
1.4	QPSK	1	5	22.65	22.78	22.74	
1.4	QPSK	3	0	22.02	22.07	22.03	
1.4	QPSK	3	1	21.89	21.85	21.94	
1.4	QPSK	3	3	21.77	21.74	21.91	
1.4	QPSK	6	0	21.70	21.66	21.75	22.3
1.4	16QAM	1	0	21.85	21.90	21.86	22.3
1.4	16QAM	1	3	21.83	21.77	21.93	
1.4	16QAM	1	5	21.76	21.84	21.91	
1.4	16QAM	3	0	20.97	20.89	20.94	
1.4	16QAM	3	1	20.93	20.96	21.02	
1.4	16QAM	3	3	21.08	20.95	20.89	
1.4	16QAM	6	0	21.13	20.93	20.98	21.3
1.4	64QAM	1	0	20.87	21.05	21.12	21.3
1.4	64QAM	1	3	21.02	21.02	21.06	
1.4	64QAM	1	5	20.99	21.13	21.18	
1.4	64QAM	3	0	20.08	20.06	20.08	
1.4	64QAM	3	1	20.18	20.08	19.96	
1.4	64QAM	3	3	20.13	20.01	19.90	
1.4	64QAM	6	0	19.95	20.03	19.94	20.3

LTE Band 38							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.91	22.94	22.90	24
20	QPSK	1	49	22.77	22.82	22.78	
20	QPSK	1	99	22.61	22.69	22.66	
20	QPSK	50	0	21.81	21.91	21.88	
20	QPSK	50	24	21.68	21.80	21.77	23
20	QPSK	50	50	21.70	21.62	21.70	
20	QPSK	100	0	21.65	21.70	21.66	
20	16QAM	1	0	22.02	22.01	21.97	
20	16QAM	1	49	21.92	21.90	21.86	23
20	16QAM	1	99	21.75	21.76	21.78	
20	16QAM	50	0	20.65	20.67	20.70	
20	16QAM	50	24	20.56	20.61	20.55	
20	16QAM	50	50	20.48	20.52	20.49	21
20	16QAM	100	0	20.40	20.44	20.47	
20	64QAM	1	0	21.11	21.07	21.09	
20	64QAM	1	49	21.07	21.05	21.00	
20	64QAM	1	99	20.93	20.90	20.94	22
20	64QAM	50	0	20.48	20.46	20.49	
20	64QAM	50	24	20.36	20.43	20.40	
20	64QAM	50	50	20.33	20.44	20.49	
20	64QAM	100	0	20.30	20.46	20.23	21
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	22.80	22.83	22.79	24
15	QPSK	1	37	22.66	22.71	22.67	
15	QPSK	1	74	22.50	22.58	22.55	
15	QPSK	36	0	21.70	21.80	21.77	
15	QPSK	36	20	21.57	21.69	21.66	23
15	QPSK	36	39	21.59	21.51	21.59	
15	QPSK	75	0	21.54	21.59	21.55	
15	16QAM	1	0	21.91	21.90	21.86	
15	16QAM	1	37	21.81	21.79	21.75	23
15	16QAM	1	74	21.64	21.65	21.67	
15	16QAM	36	0	20.54	20.56	20.59	
15	16QAM	36	20	20.45	20.50	20.44	
15	16QAM	36	39	20.37	20.41	20.38	21
15	16QAM	75	0	20.29	20.33	20.36	
15	64QAM	1	0	21.00	20.96	20.98	
15	64QAM	1	37	20.96	20.94	20.89	
15	64QAM	1	74	20.82	20.79	20.83	22
15	64QAM	36	0	20.37	20.35	20.38	
15	64QAM	36	20	20.25	20.32	20.29	
15	64QAM	36	39	20.22	20.33	20.38	
15	64QAM	75	0	20.19	20.35	20.12	21
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)
10	QPSK	1	0	22.67	22.70	22.66	24
10	QPSK	1	25	22.53	22.58	22.54	
10	QPSK	1	49	22.37	22.45	22.42	
10	QPSK	25	0	21.57	21.67	21.64	
10	QPSK	25	12	21.44	21.56	21.53	22
10	QPSK	25	25	21.46	21.38	21.46	
10	QPSK	50	0	21.41	21.46	21.42	
10	16QAM	1	0	21.78	21.77	21.73	
10	16QAM	1	25	21.68	21.66	21.62	23
10	16QAM	1	49	21.51	21.52	21.54	
10	16QAM	25	0	20.41	20.43	20.46	
10	16QAM	25	12	20.32	20.37	20.31	
10	16QAM	25	25	20.24	20.28	20.25	21.5
10	16QAM	50	0	20.16	20.20	20.23	
10	64QAM	1	0	20.87	20.83	20.85	
10	64QAM	1	25	20.83	20.81	20.76	
10	64QAM	1	49	20.69	20.66	20.70	21.5
10	64QAM	25	0	20.24	20.22	20.25	
10	64QAM	25	12	20.12	20.19	20.16	
10	64QAM	25	25	20.09	20.20	20.25	
10	64QAM	50	0	20.06	20.22	19.99	21
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)
5	QPSK	1	0	22.55	22.58	22.54	23
5	QPSK	1	12	22.41	22.46	22.42	
5	QPSK	1	24	22.25	22.33	22.30	
5	QPSK	12	0	21.45	21.55	21.52	
5	QPSK	12	7	21.32	21.44	21.41	22
5	QPSK	12	13	21.34	21.26	21.34	
5	QPSK	25	0	21.29	21.34	21.30	
5	16QAM	1	0	21.66	21.65	21.61	
5	16QAM	1	12	21.56	21.54	21.50	22.5
5	16QAM	1	24	21.39	21.40	21.42	
5	16QAM	12	0	20.29	20.31	20.34	
5	16QAM	12	7	20.20	20.25	20.19	
5	16QAM	12	13	20.12	20.16	20.13	21
5	16QAM	25	0	20.04	20.08	20.11	
5	64QAM	1	0	20.75	20.71	20.73	
5	64QAM	1	12	20.71	20.69	20.64	
5	64QAM	1	24	20.57	20.54	20.58	21.5
5	64QAM	12	0	20.12	20.10	20.13	
5	64QAM	12	7	20.00	20.07	20.04	
5	64QAM	12	13	19.97	20.08	20.13	
5	64QAM	25	0	19.94	20.10	19.87	20.5
Channel				37750	38000	38250	
Frequency (MHz)				2570	2595	2620	Tune-up limit (dBm)

LTE Band 41									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.73	22.83	22.92	22.76	22.78	24
20	QPSK	1	49	22.66	22.69	22.77	22.64	22.69	
20	QPSK	1	99	22.59	22.65	22.62	22.55	22.67	
20	QPSK	50	0	21.86	21.80	21.89	21.76	21.81	
20	QPSK	50	24	21.71	21.74	21.72	21.73	21.75	23
20	QPSK	50	50	21.67	21.62	21.59	21.66	21.71	
20	QPSK	100	0	21.60	21.56	21.55	21.45	21.59	
20	16QAM	1	0	22.12	22.11	22.14	22.17	22.13	
20	16QAM	1	49	21.96	21.94	21.99	21.98	22.00	23
20	16QAM	1	99	21.82	21.83	21.91	21.92	21.84	
20	16QAM	50	0	20.81	20.88	20.83	20.82	20.86	
20	16QAM	50	24	20.71	20.81	20.71	20.73	20.72	
20	16QAM	50	50	20.65	20.62	20.60	20.63	20.65	21.5
20	16QAM	100	0	20.57	20.55	20.55	20.54	20.47	
20	64QAM	1	0	21.44	21.46	21.43	21.44	21.36	
20	64QAM	1	49	21.65	21.51	21.51	21.33	21.36	
20	64QAM	1	99	21.52	21.55	21.43	21.55	21.40	22
20	64QAM	50	0	20.42	20.45	20.45	20.46	20.38	
20	64QAM	50	24	20.32	20.31	20.34	20.37	20.33	
20	64QAM	50	50	20.35	20.33	20.29	20.26	20.29	
20	64QAM	100	0	20.26	20.27	20.24	20.21	20.25	21
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	22.61	22.71	22.80	22.64	22.66	24
15	QPSK	1	37	22.54	22.57	22.65	22.52	22.57	
15	QPSK	1	74	22.47	22.53	22.50	22.43	22.55	
15	QPSK	36	0	21.74	21.68	21.77	21.64	21.69	
15	QPSK	36	20	21.59	21.62	21.60	21.61	21.63	23
15	QPSK	36	39	21.55	21.50	21.47	21.54	21.59	
15	QPSK	75	0	21.48	21.44	21.43	21.33	21.47	
15	16QAM	1	0	22.00	21.99	22.02	22.05	22.01	
15	16QAM	1	37	21.84	21.82	21.87	21.86	21.88	23
15	16QAM	1	74	21.70	21.71	21.79	21.80	21.72	
15	16QAM	36	0	20.69	20.76	20.71	20.70	20.74	
15	16QAM	36	20	20.59	20.69	20.59	20.61	20.60	
15	16QAM	36	39	20.53	20.50	20.48	20.51	20.53	21.5
15	16QAM	75	0	20.45	20.43	20.43	20.42	20.35	
15	64QAM	1	0	21.32	21.34	21.31	21.32	21.24	
15	64QAM	1	37	21.53	21.39	21.39	21.21	21.24	
15	64QAM	1	74	21.40	21.43	21.31	21.43	21.28	22
15	64QAM	36	0	20.30	20.33	20.33	20.34	20.26	
15	64QAM	36	20	20.20	20.19	20.22	20.25	20.21	
15	64QAM	36	39	20.23	20.21	20.17	20.14	20.17	
15	64QAM	75	0	20.14	20.15	20.12	20.09	20.13	21
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)
10	QPSK	1	0	22.48	22.58	22.67	22.51	22.53	24
10	QPSK	1	25	22.41	22.44	22.52	22.39	22.44	
10	QPSK	1	49	22.34	22.40	22.37	22.30	22.42	
10	QPSK	25	0	21.61	21.55	21.64	21.51	21.56	
10	QPSK	25	12	21.46	21.49	21.47	21.48	21.50	23
10	QPSK	25	25	21.42	21.37	21.34	21.41	21.46	
10	QPSK	50	0	21.35	21.31	21.30	21.20	21.34	
10	16QAM	1	0	21.87	21.86	21.89	21.92	21.88	
10	16QAM	1	25	21.71	21.69	21.74	21.73	21.75	22.5
10	16QAM	1	49	21.57	21.58	21.66	21.67	21.59	
10	16QAM	25	0	20.56	20.63	20.58	20.57	20.61	
10	16QAM	25	12	20.46	20.56	20.46	20.48	20.47	
10	16QAM	25	25	20.40	20.37	20.35	20.38	20.40	21
10	16QAM	50	0	20.32	20.30	20.30	20.29	20.22	
10	16QAM	1	0	21.19	21.21	21.18	21.19	21.11	
10	16QAM	1	25	21.40	21.26	21.26	21.08	21.11	
10	16QAM	1	49	21.27	21.30	21.18	21.30	21.15	22
10	16QAM	25	0	20.17	20.20	20.20	20.21	20.13	
10	16QAM	25	12	20.07	20.06	20.09	20.12	20.08	
10	16QAM	25	25	20.10	20.08	20.04	20.01	20.04	
10	16QAM	50	0	20.01	20.02	19.99	19.96	20.00	20.5
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)
5	QPSK	1	0	22.36	22.46	22.55	22.39	22.41	24
5	QPSK	1	12	22.29	22.32	22.40	22.27	22.32	
5	QPSK	1	24	22.22	22.28	22.25	22.18	22.30	
5	QPSK	12	0	21.49	21.43	21.52	21.39	21.44	
5	QPSK	12	7	21.34	21.37	21.35	21.36	21.38	23
5	QPSK	12	13	21.30	21.25	21.22	21.29	21.34	
5	QPSK	25	0	21.23	21.19	21.18	21.08	21.22	
5	16QAM	1	0	21.75	21.74	21.77	21.80	21.76	
5	16QAM	1	12	21.59	21.57	21.62	21.61	21.63	22.5
5	16QAM	1	24	21.45	21.46	21.54	21.55	21.47	
5	16QAM	12	0	20.44	20.51	20.46	20.45	20.49	
5	16QAM	12	7	20.34	20.44	20.34	20.36	20.35	
5	16QAM	12	13	20.28	20.25	20.23	20.26	20.28	21
5	16QAM	25	0	20.20	20.18	20.18	20.17	20.10	
5	64QAM	1	0	21.07	21.09	21.06	21.07	20.99	
5	64QAM	1	12	21.28	21.14	21.14	20.96	20.99	
5	64QAM	1	24	21.15	21.18	21.06	21.18	21.03	22
5	64QAM	12	0	20.05	20.08	20.08	20.09	20.01	
5	64QAM	12	7	19.95	19.94	19.97	20.00	19.96	
5	64QAM	12	13	19.98	19.96	19.92	19.99	19.92	
5	64QAM	25	0	19.89	19.90	19.87	19.84	19.88	21

5G NR n5							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.7
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.18	23.21	23.34	24.7
20		1	53	23.07	23.25	23.46	
20		1	104	23.03	23.15	23.39	
20		50	1	23.17	23.19	23.38	
20		50	25	23.13	23.16	23.40	
20		50	50	23.12	23.17	23.34	24.7
20		100	0	23.18	23.25	23.21	
20		1	1	23.48	23.61	23.48	
20		1	53	23.28	23.35	23.36	
20		1	104	23.20	23.22	23.24	
20	DFT-s-OFDM QPSK	50	1	23.15	23.20	23.12	24.2
20		50	25	23.19	23.16	23.17	
20		50	50	23.13	23.17	23.46	
20		100	0	23.21	22.73	23.16	
20	DFT-s-OFDM	1	1	23.27	22.63	23.21	
20	DFT-s-OFDM	1	1	21.85	20.88	21.80	23.7
20	DFT-s-OFDM	1	1	19.78	20.02	19.83	21.2
Channel				166300	167300	168300	24.2
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM	1	1	19.50	19.46	19.41	24.2
Channel				165800	167300	168800	24.2
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM	1	1	22.93	23.06	22.68	24.2
Channel				165300	167300	169300	24.2
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM	1	1	23.21	22.63	22.86	24.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	24.2
Frequency (MHz)				834	836.5	839	
20	CP-OFDM QPSK	1	1	23.07	22.96	22.26	24.2
20	CP-OFDM 16QAM	1	1	22.73	22.65	22.03	24.2
20	CP-OFDM 64QAM	1	1	20.73	20.83	20.78	22.2
20	CP-OFDM 256QAM	1	1	17.90	18.02	17.89	19.2

5G NR n7							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	23.7
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.55	22.40	22.32	23.7
20		1	53	22.54	22.44	22.35	
20		1	104	22.50	22.37	22.28	
20		50	1	22.27	22.01	21.91	23.2
20		50	25	22.53	22.51	22.38	
20		50	50	22.28	21.96	21.89	
20	DFT-s-OFDM QPSK	100	0	22.22	21.99	21.87	23.7
20		1	1	22.50	22.56	22.37	
20		1	53	22.42	22.29	22.42	
20		1	104	22.47	22.28	22.41	23.2
20		50	1	21.77	22.15	21.43	
20		50	25	22.11	22.07	22.08	
20	DFT-s-OFDM	50	50	21.80	21.49	21.39	23.2
20		100	0	21.76	21.48	21.44	
20	DFT-s-OFDM	1	1	21.82	21.59	21.45	23.7
20	DFT-s-OFDM	1	1	20.06	19.71	19.69	23.7
20	DFT-s-OFDM	1	1	18.19	18.01	17.76	23.7
Channel				501500	507000	512500	23.7
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	22.50	22.36	22.26	23.7
Channel				501000	507000	513000	23.7
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM	1	1	22.50	22.46	22.41	23.7
Channel				500500	507000	513500	23.7
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	22.43	22.45	22.44	23.7
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	23.2
Frequency (MHz)				2510	2535	1767.5	
20	CP-OFDM QPSK	1	1	21.23	20.95	20.79	23.2
20	CP-OFDM 16QAM	1	1	20.93	20.75	20.59	22.2
20	CP-OFDM 64QAM	1	1	18.91	18.68	18.51	20.2
20	CP-OFDM 256QAM	1	1	16.34	16.05	15.91	17.2

5G NR n66

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	22.86	22.95	22.79	
20		1	53	22.81	22.98	22.68	24.2
20		1	104	22.93	22.96	22.98	
20		50	1	22.74	22.90	22.86	
20		50	25	22.81	22.91	22.91	23.2
20		50	50	22.75	22.83	22.73	
20	DFT-s-OFDM QPSK	100	0	22.80	22.85	22.65	
20		1	1	23.00	23.14	22.89	24.2
20		1	53	22.88	22.94	22.86	
20		1	104	23.01	22.98	22.95	
20		50	1	23.02	23.12	22.63	24.2
20		50	25	22.79	22.90	22.69	
20		50	50	22.74	22.84	22.70	
20		100	0	22.82	23.01	23.10	23.2
20	DFT-s-OFDM	1	1	23.01	22.54	22.89	
20	DFT-s-OFDM	1	1	21.74	21.70	21.60	22.2
20	DFT-s-OFDM	1	1	19.82	19.72	19.63	20.2
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM	1	1	22.96	23.13	22.90	24.2
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM	1	1	22.56	22.78	22.54	24.2
Channel				3425000	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM	1	1	22.92	23.13	23.06	24.2
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	1767.5	
20	CP-OFDM QPSK	1	1	22.92	22.98	22.80	24.2
20	CP-OFDM 16QAM	1	1	22.64	22.68	22.43	24.2
20	CP-OFDM 64QAM	1	1	20.70	20.82	20.55	22.2
20	CP-OFDM 256QAM	1	1	17.84	17.91	17.74	19.2

5G NR n38							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	23.20	23.51	23.08	
40		1	53	23.43	23.43	23.19	24.2
40		1	104	22.87	22.85	22.58	
40		50	1	23.19	23.00	22.56	
40		50	25	23.43	23.33	23.20	23.2
40		50	50	22.94	22.91	22.75	
40		100	0	23.15	22.91	22.51	
40	DFT-s-OFDM QPSK	1	1	23.45	23.54	23.36	24.2
40		1	53	23.40	23.41	23.22	
40		1	104	22.69	22.75	23.01	
40		50	1	22.41	22.50	22.43	23.2
40		50	25	23.12	23.34	23.10	
40		50	50	22.47	22.42	22.44	
40		100	0	22.69	22.35	22.32	23.2
40	DFT-s-OFDM	1	1	22.68	22.52	22.14	
40	DFT-s-OFDM	1	1	20.97	20.85	20.36	22.2
40	DFT-s-OFDM	1	1	19.16	19.35	18.73	20.2
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	24.2
20	DFT-s-OFDM	1	1	22.91	22.90	23.02	
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	CP-OFDM QPSK	1	1	22.34	22.07	21.93	23.2
40	CP-OFDM 16QAM	1	1	21.65	21.72	21.59	22.2
40	CP-OFDM 64QAM	1	1	20.17	20.02	20.33	21.2
40	CP-OFDM 256QAM	1	1	17.35	17.07	16.89	18.2

5G NR n41									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	Tune-up limit (dBm)
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.34	23.40	23.11	23.47	23.40	24.2
100		1	136	23.16	23.42	23.35	23.33	23.48	
100		1	272	22.88	23.06	23.10	22.84	23.12	
100		135	1	23.09	23.00	23.04	23.04	23.14	24.2
100		135	67	23.45	23.47	23.50	23.50	23.48	
100		135	136	23.08	22.97	22.88	22.99	23.03	
100	DFT-s-OFDM QPSK	270	0	23.00	22.92	23.00	22.98	22.94	24.2
100		1	1	23.37	23.58	23.68	23.53	23.47	
100		1	136	23.20	23.51	23.12	23.42	23.52	
100		1	272	23.26	23.10	22.97	23.00	23.09	24.2
100		135	1	23.12	23.47	23.48	23.09	23.24	
100		135	67	23.42	23.45	23.44	23.46	23.46	
100	DFT-s-OFDM	135	136	23.47	23.43	23.31	23.39	23.44	23.2
100		270	0	22.53	22.62	22.50	22.42	22.43	
100	DFT-s-OFDM	1	1	22.05	22.46	22.59	22.51	22.34	23.2
100	DFT-s-OFDM	1	1	20.80	20.46	20.49	20.81	20.83	22.2
100	DFT-s-OFDM	1	1	18.58	19.43	18.58	19.12	18.97	20.2
Channel				508200	513402	518598	523800	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2567	2593	2619	2645	
90	DFT-s-OFDM	1	1	22.80	22.89	23.00	22.79	23.06	24.2
Channel				507204	512904	518598	524298	529998	Tune-up limit (dBm)
Frequency (MHz)				2536	2564.5	2593	2621.5	2650	
80	DFT-s-OFDM	1	1	22.83	22.77	22.91	22.80	23.01	24.2
Channel				505200	511902	518598	525300	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2559.5	2593	2626.5	2660	
60	DFT-s-OFDM	1	1	23.00	23.15	23.12	23.22	23.22	24.2
Channel				504204	511404	518598	525798	532998	Tune-up limit (dBm)
Frequency (MHz)				2521	2557	2593	2629	2665	
50	DFT-s-OFDM	1	1	23.25	23.15	23.27	23.24	23.35	24.2
Channel				503202	510900	518598	526296	534000	Tune-up limit (dBm)
Frequency (MHz)				2516	2554.5	2593	2631.5	2670	
40	DFT-s-OFDM	1	1	23.24	23.19	23.28	23.31	23.28	24.2
Channel				502200	510402	518598	526800	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2552	2593	2634	2675	
30	DFT-s-OFDM	1	1	23.36	23.08	23.11	23.18	23.40	24.2
Channel				501204	509898	518598	527298	535998	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	DFT-s-OFDM	1	1	23.08	23.16	23.08	23.33	23.15	24.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	Tune-up limit (dBm)
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	CP-OFDM QPSK	1	1	21.87	21.92	21.84	21.91	22.11	23.2
100	CP-OFDM 16QAM	1	1	21.43	21.45	21.46	21.87	21.69	22.2
100	CP-OFDM 64QAM	1	1	19.94	20.09	19.62	19.93	19.87	21.2
100	CP-OFDM 256QAM	1	1	16.79	16.84	16.87	16.83	16.96	18.2

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Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 1Mbps	CH 1	2412	16.37	18.00	17.00	100.00
	CH 6	2437	16.50	18.50	17.00	
	CH 11	2462	16.39	18.50	17.00	
802.11g 6Mbps	CH 1	2412	15.36	17.00	16.00	100.00
	CH 6	2437	15.33	17.00	16.00	
	CH 11	2462	15.43	17.00	16.00	
802.11n+HT20 MCS0	CH 1	2412	14.99	16.50	16.00	100.00
	CH 6	2437	15.01	17.00	16.00	
	CH 11	2462	15.15	17.00	16.00	
802.11n+HT40 MCS0	CH 3	2422	14.71	16.50	15.00	100.00
	CH 6	2437	14.77	16.50	15.00	
	CH 9	2452	14.95	16.50	15.00	
802.11ac-VHT20 MCS0	CH 1	2412	14.90	16.50	16.00	100.00
	CH 6	2437	14.94	16.50	16.00	
	CH 11	2462	15.16	17.00	16.00	
802.11ac-VHT40 MCS0	CH 3	2422	14.69	16.50	15.00	100.00
	CH 6	2437	14.75	16.50	15.00	
	CH 9	2452	14.51	16.50	15.00	
802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	15.33	17.00	16.00	100.00
	CH 6	2437	15.21	17.00	16.00	
	CH 11	2462	15.30	17.00	16.00	
802.11ax-HEW20 MCS0 (RU26)	CH 1	2412	3.09	5.00	4.00	100.00
	CH 6	2437	3.57	5.50	4.00	
	CH 11	2462	3.96	5.50	4.00	
802.11ax-HEW20 MCS0 (RU27)	CH 1	2412	5.81	7.50	7.00	100.00
	CH 6	2437	6.30	8.00	7.00	
	CH 11	2462	6.44	8.00	7.00	
802.11ax-HEW20 MCS0 (RU106)	CH 1	2412	9.01	11.00	10.00	100.00
	CH 6	2437	9.41	11.00	10.00	
	CH 11	2462	9.62	11.50	10.00	
802.11ax-HEW40 MCS0	CH 3	2422	14.69	16.50	15.00	100.00
	CH 6	2437	14.77	16.50	15.00	
	CH 9	2452	14.93	16.50	15.00	

5.2GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	16.21	18.00	18.00	100.00
	CH 44	5220	16.22	18.00	18.00	
	CH 48	5240	15.97	17.50	18.00	
802.11n+HT20 MCS0	CH 36	5180	15.53	17.50	18.00	100.00
	CH 44	5220	15.54	17.50	18.00	
	CH 48	5240	15.39	17.00	18.00	
802.11n+HT40 MCS0	CH 36	5180	11.42	13.00	14.00	100.00
	CH 46	5230	11.95	13.00	14.00	
	CH 50	5250	11.50	13.00	14.00	
802.11ac-VHT20 MCS0	CH 36	5180	15.50	17.50	18.00	100.00
	CH 44	5220	15.61	17.50	18.00	
	CH 48	5240	15.37	17.00	18.00	
802.11ac-VHT40 MCS0	CH 36	5180	15.91	17.50	18.00	100.00
	CH 46	5230	15.75	17.50	18.00	
	CH 42	5210	11.61	13.50	14.00	
802.11ac-VHT80 MCS0	CH 50	5250	9.12	11.00	12.00	100.00
	CH 36	5180	15.71	17.50	18.00	
	CH 44	5220	15.56	17.50	18.00	
802.11ax-HEW20 MCS0 (RU242)	CH 48	5240	15.59	17.50	18.00	100.00
	CH 36	5180	4.20	6.00	6.00	
	CH 44	5220	4.62	6.50	6.00	
802.11ax-HEW20 MCS0 (RU26)	CH 48	5240	4.62	6.50	6.00	100.00
	CH 36	5180	7.14	9.00	9.00	
	CH 44	5220	7.49	9.00	9.00	
802.11ax-HEW20 MCS0 (RU27)	CH 48	5240	7.47	9.00	9.00	100.00
	CH 36	5180	10.20	12.00	12.00	
	CH 44	5220	10.63	12.50	12.00	
802.11ax-HEW20 MCS0 (RU106)	CH 48	5240	10.62	12.50	12.00	100.00
	CH 38	5190	15.98	17.50	18.00	
	CH 46	5230	15.83	17.50	18.00	
802.11ax-HEW40 MCS0	CH 42	5210	14.52	16.50	17.00	100.00
	CH 50	5250	12.42	14.00	15.00	
	CH 50	5250	12.42	14.00	15.00	

5.3GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	16.50	18.50	18.00	100.00
	CH 60	5300	16.51	18.50	18.00	
	CH 64	5320	16.47	18.50	18.00	
802.11n+HT20 MCS0	CH 52	5260	15.35	17.00	18.00	100.00
	CH 60	5300	15.66	17.50	18.00	
	CH 64	5320	15.41	17.00	18.00	
802.11n+HT40 MCS0	CH 54	5270	16.00	18.00	18.00	100.00
	CH 62	5310	11.17	13.00	14.00	
	CH 52	5260	15.44	17.00	18.00	
802.11ac-VHT20 MCS0	CH 60	5300	15.34	17.00	18.00	100.00
	CH 64	5320	15.39	14.50	15.00	
	CH 54	5270	16.09	18.00	18.00	
802.11ac-VHT40 MCS0	CH 62	5310	16.15	18.00	18.00	100.00
	CH 58	5290	10.78	11.34	14.00	
	CH 52	5260	15.70	17.50	18.00	
802.11ax-HEW20 MCS0 (RU242)	CH 60	5300	15.69	17.50	18.00	100.00
	CH 64	5320	12.11	14.00	15.00	
	CH 52	5260	4.39	6.00	6.00	
802.11ax-HEW20 MCS0 (RU26)	CH 60	5300	3.81	5.50	6.00	100.00
	CH 64	5320	3.63	5.50	6.00	
	CH 52	5260	7.31	9.00	9.00	
802.11ax-HEW20 MCS0 (RU27)	CH 60	5300	6.64	8.50	9.00	100.00
	CH 64	5320	6.50	8.50	9.00	
	CH 52	5260	10.38	12.00	12.00	
802.11ax-HEW20 MCS0 (RU106)	CH 60	5300	9.74	11.50	12.00	100.00
	CH 64	5320	9.65	11.50	12.00	
	CH 54	5270	15.89	17.50	18.00	
802.11ax-HEW40 MCS0	CH 62	5310	15.97	17.50	18.00	100.00
	CH 58	5290	15.11	17.00	17.00	
	CH 58	5290	15.11	17.00	17.00	

5.5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5900	14.33	16.00	15.00	100.00
	CH 120	5900	17.97	19.50	18.00	
	CH 140	5700	13.22	15.00	15.00	
802.11n+HT20 MCS0	CH 100	5900	17.22	19.00	18.00	100.00
	CH 120	5900	17.15	19.00	18.00	
	CH 140	5700	16.52	18.50	18.00	
802.11n+HT40 MCS0	CH 102	5910	10.22	12.00	11	100.00
	CH 126	5930	7.53	9.00	8	
	CH 134	5670	16.97	18.50	18.00	
802.11ac-VHT20 MCS0	CH 100	5900	17.20	19.00	18.00	100.00
	CH 120	5900	16.97	19.00	18.00	
	CH 140	5700	16.91	18.50	18.00	
802.11ac-VHT40 MCS0	CH 102	5910	17.42	19.00	18.00	100.00
	CH 126	5930	17.45	19.00	18.00	
	CH 134	5670	17.12	19.00	18.00	
802.11ac-VHT80 MCS0	CH 106	5930	11.22	13.00	12.00	100.00
	CH 122	5910	16.51	18.50	17.00	
	CH 114	5970	11.28	12.00	15.00	
802.11ax-HEW20 MCS0 (RU242)	CH 100	5900	12.45	14.00	14.00	100.00
	CH 120	5900	17.53	19.50	18.00	
	CH 140	5700	12.11	14.00	14.00	
802.11ax-HEW20 MCS0 (RU26)	CH 100	5900	5.12	7.00	6.00	100.00
	CH 120	5900	9.75	7.00	6.00	
	CH 140	5700	1.51	7.50	6.00	
802.11ax-HEW20 MCS0 (RU27)	CH 100	5900	9.21	11.00	9.00	100.00
	CH 120	5900	9.12	11.00	9.00	
	CH 140	5700	8.6	10.50	9.00	
802.11ax-HEW20 MCS0 (RU106)	CH 100	5900	12.18	14.00	12.00	100.00
	CH 120	5900	11.84	13.50	12.00	
	CH 140	5700	11.48	13.00	12.00	
802.11ax-HEW40 MCS0	CH 102	5910	17.01	19.00	18.00	100.00
	CH 126	5930	17.40	19.50	18.00	
	CH 134	5670	17.27	19.00	18.00	
802.11ax-HEW80 MCS0	CH 106	5930	15.97	17.50	17.00	100.00
	CH 122	5910	16.53	18.50	17.00	
	CH 114	5970	14.54	16.50	15.00	

2.4GHz WLAN ANT 7

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 7	802.11b 1Mbps	CH 1	2412	14.44	16.00	15.50	100.00
		CH 6	2437	14.63	16.50	15.50	
		CH 11	2462	14.46	16.00	15.50	
	802.11g 6Mbps	CH 1	2412	14.19	15.00	15.00	100.00
		CH 6	2437	13.94	15.50	15.00	
		CH 11	2462	14.02	16.00	15.00	
	802.11n-HT20 MCS0	CH 1	2412	13.87	15.50	15.00	100.00
		CH 6	2437	13.58	15.50	15.00	
		CH 11	2462	13.69	15.50	15.00	
	802.11n-HT40 MCS0	CH 3	2422	13.50	15.50	14.00	100.00
		CH 6	2437	13.23	15.00	14.00	
		CH 9	2452	13.32	15.00	14.00	
	802.11ac-VHT20 MCS0	CH 1	2412	13.07	15.00	14.00	100.00
		CH 6	2437	12.78	14.50	14.00	
		CH 11	2462	12.74	14.50	14.00	
	802.11ac-VHT40 MCS0	CH 3	2422	13.66	15.50	14.00	100.00
		CH 6	2437	13.43	15.00	14.00	
	802.11ac-HEW20 MCS0	CH 9	2452	13.46	15.00	14.00	100.00
CH 1		2412	13.23	15.00	14.00		
CH 5		2437	13.11	15.00	14.00		
802.11ac-HEW20 MCS0 (RU02)	CH 11	2462	13.00	15.00	14.00	100.00	
	CH 1	2412	2.29	4.00	3.00		
	CH 6	2437	2.60	4.50	3.00		
802.11ac-HEW20 MCS0 (RU02)	CH 11	2462	2.69	4.50	3.00	100.00	
	CH 1	2412	4.72	6.50	6.00		
	CH 6	2437	5.38	7.00	6.00		
802.11ac-HEW20 MCS0 (RU100)	CH 11	2462	9.57	9.00	6.00	100.00	
	CH 1	2412	8.03	10.00	9.00		
	CH 6	2437	7.95	9.50	9.00		
802.11ac-HEW40 MCS0	CH 11	2462	8.42	10.00	9.00	100.00	
	CH 3	2422	13.67	15.50	14.00		
	CH 6	2437	12.90	14.50	14.00		
		CH 9	2452	12.88	14.50	14.00	

5.8 GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 6	802.11a MCS0	CH 149	5745	17.31	19.00	19.90	100.00
		CH 157	5785	17.45	19.00	19.90	
		CH 165	5825	17.09	19.00	19.90	
	802.11n-HT20 MCS0	CH 149	5745	16.64	18.90	19.00	100.00
		CH 157	5785	16.59	18.90	19.00	
		CH 165	5825	16.42	18.00	19.00	
	802.11n-HT40 MCS0	CH 151	5795	15.16	17.00	17.90	100.00
		CH 159	5795	15.05	17.00	17.90	
	802.11ac-VHT20 MCS0	CH 149	5745	16.84	18.90	19.00	100.00
		CH 157	5785	16.95	18.00	18.90	
	802.11ac-VHT40 MCS0	CH 149	5745	16.38	18.00	18.90	100.00
		CH 151	5795	16.05	18.00	18.90	
	802.11ac-VHT80 MCS0	CH 159	5795	16.20	18.00	18.90	100.00
		CH 155	5775	16.10	18.00	18.90	
	802.11ax-HEW20 MCS0 (RU242)	CH 149	5745	16.93	18.90	19.00	100.00
		CH 157	5785	16.90	18.90	19.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 149	5745	16.64	18.90	19.00	100.00
		CH 157	5785	5.61	7.90	8.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 157	5785	5.32	7.00	8.00	100.00
		CH 165	5825	4.85	6.90	7.00	
	802.11ax-HEW20 MCS0 (RU52)	CH 149	5745	8.74	10.90	10.90	100.00
		CH 157	5785	8.19	10.00	10.00	
		CH 165	5825	7.79	9.90	10.00	
	802.11ax-HEW20 MCS0 (RU106)	CH 149	5745	11.82	13.90	14.00	100.00
		CH 157	5785	11.46	13.00	14.00	
	802.11ax-HEW40 MCS0	CH 149	5745	11.10	13.00	13.90	100.00
		CH 151	5795	16.94	18.90	19.90	
	802.11ax-HEW80 MCS0	CH 159	5795	16.92	18.90	19.90	100.00
		CH 155	5775	15.99	17.90	18.90	

5.8 GHz WLAN ANT 7

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 7	802.11a MCS0	CH 149	5745	14.51	16.90	16.90	100.00
		CH 157	5785	15.12	17.00	17.00	
		CH 165	5825	16.09	17.00	17.90	
	802.11n-HT20 MCS0	CH 149	5745	13.88	15.90	16.00	100.00
		CH 157	5785	14.31	16.00	17.00	
		CH 165	5825	14.70	16.90	17.90	
	802.11n-HT40 MCS0	CH 151	5795	13.98	15.90	16.00	100.00
		CH 159	5795	14.02	16.00	15.90	
	802.11ac-VHT20 MCS0	CH 149	5745	13.87	15.90	16.00	100.00
		CH 157	5785	14.31	16.00	17.00	
	802.11ac-VHT40 MCS0	CH 149	5745	14.87	16.90	17.00	100.00
		CH 151	5795	14.36	16.00	17.00	
	802.11ac-VHT80 MCS0	CH 159	5795	14.88	16.90	17.90	100.00
		CH 155	5775	14.74	16.90	17.00	
	802.11ax-HEW20 MCS0 (RU242)	CH 149	5745	14.06	16.00	17.00	100.00
		CH 157	5785	14.90	16.90	17.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 149	5745	2.19	4.00	9.00	100.00
		CH 157	5785	3.26	5.00	6.00	
	802.11ax-HEW20 MCS0 (RU26)	CH 165	5825	3.68	5.90	6.00	100.00
		CH 149	5745	5.99	7.00	7.90	
	802.11ax-HEW20 MCS0 (RU52)	CH 157	5785	6.28	8.00	8.90	100.00
		CH 165	5825	14.93	16.90	17.90	
		CH 165	5825	6.68	8.90	8.90	
	802.11ax-HEW20 MCS0 (RU106)	CH 149	5745	7.95	9.90	10.90	100.00
		CH 157	5785	9.85	10.90	11.00	
	802.11ax-HEW40 MCS0	CH 149	5745	9.15	11.00	11.90	100.00
		CH 151	5795	14.43	16.00	17.00	
	802.11ax-HEW80 MCS0	CH 159	5795	14.90	16.90	17.00	100.00
		CH 155	5775	14.67	16.90	17.00	

5.8GHz WLAN ANT 6+7

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.8GHz WLAN ANT 6+7	802.11a MCS0	CH 149	5745	N/A	N/A
		CH 157	5785	N/A	N/A
		CH 165	5825	N/A	N/A
	802.11n-HT20 MCS0	CH 149	5745	16.51	20.90
		CH 157	5785	16.63	20.90
		CH 165	5825	16.63	20.90
	802.11n-HT40 MCS0	CH 151	5795	17.48	19.00
		CH 159	5795	17.56	19.90
	802.11ac-VHT20 MCS0	CH 149	5745	18.63	20.90
		CH 157	5785	18.45	20.00
	802.11ac-VHT40 MCS0	CH 149	5745	18.63	20.90
		CH 151	5795	18.33	20.00
	802.11ac-VHT80 MCS0	CH 159	5795	18.57	20.90
		CH 155	5775	18.51	20.90
	802.11ax-HEW20 MCS0 (RU242)	CH 149	5745	18.75	20.90
		CH 157	5785	18.92	20.90
	802.11ax-HEW20 MCS0 (RU26)	CH 149	5745	6.99	8.90
		CH 157	5785	7.78	9.90
	802.11ax-HEW20 MCS0 (RU26)	CH 165	5825	6.99	8.90
		CH 149	5745	10.41	12.00
	802.11ax-HEW20 MCS0 (RU52)	CH 157	5785	10.41	12.00
		CH 165	5825	10.41	12.00
		CH 149	5745	13.22	15.00
	802.11ax-HEW20 MCS0 (RU106)	CH 157	5785	13.42	15.00
		CH 165	5825	13.22	15.00
	802.11ac-HEW40 MCS0	CH 151	5795	18.86	20.90
		CH 159	5795	19.03	21.00
	802.11ax-HEW80 MCS0	CH 155	5775	18.39	20.00

Bluetooth

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.39	6.16	6.91
	CH 39	2441	10.62	6.33	7.17
	CH 78	2480	10.25	5.56	6.64
Tune-up Limit			13.00	9.00	10.00
Duty Cycle %			76.80	63.20	76.80
Antenna			Ant.6		

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.35	5.80	5.81
	CH 39	2441	9.53	5.74	5.67
	CH 78	2480	10.15	6.54	6.52
Tune-up Limit			13.00	9.00	9.00
Duty Cycle %			77.07	76.80	77.07
Antenna			Ant.7		

Mode	Channel	Frequency (MHz)	Average power (dBm)		Antenna
			1Mbps	2Mbps	
LE	CH 00	2402	5.49	2.81	Ant.6
	CH 19	2440	5.65	3.19	
	CH 39	2480	4.83	2.33	
Duty Cycle %			62.02	32.69	
Tune-up Limit			8.00	6.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)		Antenna
			1Mbps	2Mbps	
LE	CH 00	2402	4.17	1.75	Ant.7
	CH 19	2440	4.12	1.62	
	CH 39	2480	4.60	2.02	
Duty Cycle %			62.02	32.69	
Tune-up Limit			7.00	5.00	

CA Full Power											
CA_7C											
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				
20850	20850	21048	QPSK	1	0	0	0	1	0	22.35	23.7
21100	21001	21199	QPSK	1	0	0	0	1	0	22.74	23.7
21350	21152	21350	QPSK	1	0	0	0	1	0	22.82	23.7
CA_38C											
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				
37850	37850	38048	QPSK	1	0	0	0	1	0	22.79	24
38000	37901	38099	QPSK	1	0	0	0	1	0	22.75	24
38150	37952	38150	QPSK	1	0	0	0	1	0	22.81	24
CA_41C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
39750	39750	39948	QPSK	1	0	0	0	1	0	22.63	24
40620	40521	40719	QPSK	1	0	0	0	1	0	22.83	24
41490	41292	41490	QPSK	1	0	0	0	1	0	22.62	24

2CC LTE Downlink													
Configure		CA Configuration	PCC				SCC				Power		
			Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band	Non Continous	CA_41A-41A	41	20	39750	2506	QPSK/1#0	41	20	41490	2680	22.49	22.92
		CA_66A-66A	66	20	132072	1720	QPSK/1#0	66	15	132597	1772.5	23.12	23.46
		CA_5A-40A	5	10	20450	829	QPSK/1#0	40	20	39550	2390	22.88	23.41
Inter-band		CA_5A-41A	5	10	20450	829	QPSK/1#0	41	20	41490	2680	22.91	23.41
		CA_7A-7A	7	20	20850	2510	QPSK/1#0	7	20	21350	2560	22.31	22.71
		CA_4A-7A	4	20	20050	1720	QPSK/1#0	7	20	21350	2560	22.06	22.46
		CA_5A-66A	5	10	20450	829	QPSK/1#0	66	15	132597	1772.5	23.07	23.41
		CA_4A-5A	4	20	20050	1720	QPSK/1#0	5	10	20600	844	21.95	22.46
		CA_5A-7A	5	10	20450	829	QPSK/1#0	7	20	21350	2560	22.97	23.41
		CA_7A-66A	7	20	20850	2510	QPSK/1#0	66	15	132597	1772.5	22.41	22.71
		CA_2A-5A	2	20	18700	1860	QPSK/1#0	5	10	20600	844	22.21	22.73
		CA_12A-66A	12	5	23035	701.5	QPSK/1#0	66	15	132597	1772.5	23.02	23.42
		CA_7B	7	15	21076	2532.6	QPSK/1#0	7	5	21420	2567	21.86	22.71
		CA_7C	7	20	21001	2525.1	QPSK/1#0	7	20	21199	2544.9	22.21	22.71
		CA_38C	38	20	37901	2585.1	QPSK/1#0	38	20	38099	2604.9	22.38	22.94
		CA_41C	41	20	40521	2583.1	QPSK/1#0	41	20	41490	2680	22.36	22.92

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_4A-7C	4	20	20050	1720	QPSK/1#0	7	20	3152	2660.2	7	20	3350	2680	22.21	22.46
		CA_5A-7C	5	10	20450	829	QPSK/1#0	7	20	3152	2660.2	7	20	3350	2680	22.21	23.41
		CA_7A-66A-66A	7	20	20850	2510	QPSK/1#0	66	20	66536	2120	66	15	66734	2139.8	23.02	22.71
		CA_5A-7A-66A	5	10	20450	829	QPSK/1#0	7	20	3152	2660.2	66	20	66536	2120	22.06	22.46
		CA_2A-7C	2	20	18700	1860	QPSK/1#0	7	20	3152	2660.2	7	20	3350	2680	22.33	22.73
		CA_5A-7A-7A	5	10	20450	829	QPSK/1#0	7	20	3100	2655	7	10	3400	2685	22.31	23.41
		CA_7C-66A	7	20	21001	2525.1	QPSK/1#0	66	20	66536	2120	66	15	66734	2139.8	22.48	22.71
		CA_41D	41	20	40422	2573.2	QPSK/1#0	41	20	40620	2593	41	20	40818	2612.8	22.63	22.92
Intra-band	Non Continuous	CA_41A-41C	41	20	39750	2506	QPSK/1#0	41	20	41292	2660.2	41	20	41490	2680	22.53	22.92
		CA_41A-41A-41A	41	20	39750	2506	QPSK/1#0	41	20	41490	2680	41	20	41490	2680	22.58	22.92

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_41A-41D	41	20	39750	2506	QPSK/1#0	41	20	41094	2640.4	41	20	41292	2660.2	41	20	41490	2680	22.64	22.92
	CA_7C-66A-66A	7	20	21001	2525.1	QPSK/1#0	66	20	66536	2120	66	15	66734	2139.8	66	20	67236	2190	22.35	22.71
	CA_5A-7A-66A-66A	5	10	20450	829	QPSK/1#0	7	20	3100	2655	66	20	66536	2120	66	15	66734	2139.8	23.05	23.41
	CA_5A-7C-66A	5	10	20450	829	QPSK/1#0	7	20	3152	2660.2	66	20	66536	2120	66	15	66734	2139.8	23.11	23.41