

Appendix E. Output Power Measurement

<WCDMA Conducted Power>

【WCDMA II】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	19.78	19.86	19.86	20.50
3GPP Rel 6	HSDPA Subtest-1	18.82	18.78	18.90	19.50
3GPP Rel 6	HSDPA Subtest-2	18.84	18.79	18.83	19.50
3GPP Rel 6	HSDPA Subtest-3	18.30	18.33	18.31	19.00
3GPP Rel 6	HSDPA Subtest-4	18.28	18.37	18.36	19.00
3GPP Rel 6	HSUPA Subtest-1	18.72	18.86	18.81	19.50
3GPP Rel 6	HSUPA Subtest-2	16.81	16.82	16.80	17.50
3GPP Rel 6	HSUPA Subtest-3	17.67	17.88	17.80	18.50
3GPP Rel 6	HSUPA Subtest-4	16.67	16.84	16.71	17.50
3GPP Rel 6	HSUPA Subtest-5	18.77	18.87	18.80	19.50

【WCDMA IV】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	19.08	19.10	19.01	19.50
3GPP Rel 6	HSDPA Subtest-1	17.86	17.95	17.98	18.50
3GPP Rel 6	HSDPA Subtest-2	18.02	17.84	18.09	18.50
3GPP Rel 6	HSDPA Subtest-3	17.45	17.47	17.45	18.00
3GPP Rel 6	HSDPA Subtest-4	17.36	17.45	17.40	18.00
3GPP Rel 6	HSUPA Subtest-1	17.92	18.00	18.03	18.50
3GPP Rel 6	HSUPA Subtest-2	15.90	15.96	15.95	16.50
3GPP Rel 6	HSUPA Subtest-3	16.90	17.00	16.91	17.50
3GPP Rel 6	HSUPA Subtest-4	15.81	15.91	15.87	16.50
3GPP Rel 6	HSUPA Subtest-5	17.93	17.91	17.97	18.50

【WCDMA V】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	21.57	21.65	21.63	22.00
3GPP Rel 6	HSDPA Subtest-1	20.52	20.42	20.55	21.00
3GPP Rel 6	HSDPA Subtest-2	20.48	20.58	20.63	21.00
3GPP Rel 6	HSDPA Subtest-3	20.02	20.08	19.99	20.50
3GPP Rel 6	HSDPA Subtest-4	19.96	20.02	19.95	20.50
3GPP Rel 6	HSUPA Subtest-1	20.39	20.57	20.45	21.00
3GPP Rel 6	HSUPA Subtest-2	18.45	18.55	18.58	19.00
3GPP Rel 6	HSUPA Subtest-3	19.32	19.53	19.45	20.00
3GPP Rel 6	HSUPA Subtest-4	18.46	18.55	18.47	19.00
3GPP Rel 6	HSUPA Subtest-5	20.52	20.52	20.49	21.00

<LTE Conducted Power>

【LTE Band 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.17	20.42	20.25	21.00
20	QPSK	1	49	20.27	20.32	20.25	21.00
20	QPSK	1	99	20.34	20.39	20.22	21.00
20	QPSK	50	0	20.25	20.41	20.23	21.00
20	QPSK	50	24	20.20	20.38	20.32	21.00
20	QPSK	50	50	20.24	20.23	20.21	21.00
20	QPSK	100	0	20.16	20.39	20.28	21.00
20	16QAM	1	0	20.28	20.33	20.24	21.00
20	16QAM	1	49	20.24	20.31	20.31	21.00
20	16QAM	1	99	20.19	20.23	20.22	21.00
20	16QAM	50	0	20.21	20.30	20.21	21.00
20	16QAM	50	24	20.34	20.37	20.26	21.00
20	16QAM	50	50	20.17	20.28	20.24	21.00
20	16QAM	100	0	20.27	20.31	20.28	21.00
20	64QAM	1	0	20.24	20.35	20.31	21.00
20	64QAM	1	49	20.21	20.25	20.33	21.00
20	64QAM	1	99	20.22	20.26	20.28	21.00
20	64QAM	50	0	20.27	20.27	20.24	21.00
20	64QAM	50	24	20.27	20.25	20.20	21.00
20	64QAM	50	50	20.21	20.22	20.20	21.00
20	64QAM	100	0	20.20	20.23	20.17	21.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.06	20.33	20.14	21.00
15	QPSK	1	37	20.16	20.19	20.24	21.00
15	QPSK	1	74	20.29	20.37	20.10	21.00
15	QPSK	36	0	20.10	20.34	20.14	21.00
15	QPSK	36	20	20.09	20.27	20.27	21.00
15	QPSK	36	39	20.20	20.16	20.16	21.00
15	QPSK	75	0	20.12	20.32	20.25	21.00
15	16QAM	1	0	20.24	20.30	20.13	21.00
15	16QAM	1	37	20.16	20.27	20.19	21.00
15	16QAM	1	74	20.05	20.14	20.19	21.00
15	16QAM	36	0	20.15	20.21	20.08	21.00
15	16QAM	36	20	20.28	20.25	20.19	21.00
15	16QAM	36	39	20.11	20.14	20.23	21.00
15	16QAM	75	0	20.26	20.17	20.18	21.00
15	64QAM	1	0	20.12	20.21	20.23	21.00
15	64QAM	1	37	20.19	20.15	20.19	21.00
15	64QAM	1	74	20.12	20.16	20.17	21.00
15	64QAM	36	0	20.14	20.21	20.19	21.00
15	64QAM	36	20	20.14	20.22	20.16	21.00
15	64QAM	36	39	20.18	20.09	20.15	21.00
15	64QAM	75	0	20.10	20.09	20.07	21.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.09	20.35	20.20	21.00
10	QPSK	1	25	20.15	20.28	20.13	21.00
10	QPSK	1	49	20.31	20.32	20.09	21.00
10	QPSK	25	0	20.19	20.35	20.09	21.00
10	QPSK	25	12	20.05	20.25	20.22	21.00
10	QPSK	25	25	20.13	20.22	20.12	21.00
10	QPSK	50	0	20.05	20.34	20.18	21.00
10	16QAM	1	0	20.20	20.31	20.21	21.00
10	16QAM	1	25	20.21	20.18	20.20	21.00
10	16QAM	1	49	20.12	20.13	20.14	21.00
10	16QAM	25	0	20.10	20.27	20.15	21.00
10	16QAM	25	12	20.23	20.26	20.24	21.00
10	16QAM	25	25	20.09	20.17	20.11	21.00
10	16QAM	50	0	20.14	20.23	20.24	21.00
10	64QAM	1	0	20.11	20.25	20.25	21.00
10	64QAM	1	25	20.17	20.16	20.28	21.00
10	64QAM	1	49	20.12	20.14	20.25	21.00
10	64QAM	25	0	20.19	20.19	20.18	21.00
10	64QAM	25	12	20.24	20.11	20.09	21.00
10	64QAM	25	25	20.07	20.18	20.07	21.00
10	64QAM	50	0	20.06	20.21	20.03	21.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	

5	QPSK	1	0	20.02	20.32	20.15	21.00
5	QPSK	1	12	20.24	20.19	20.22	21.00
5	QPSK	1	24	20.22	20.37	20.18	21.00
5	QPSK	12	0	20.11	20.39	20.09	21.00
5	QPSK	12	7	20.05	20.26	20.19	21.00
5	QPSK	12	13	20.18	20.18	20.19	21.00
5	QPSK	25	0	20.10	20.24	20.19	21.00
5	16QAM	1	0	20.14	20.23	20.20	21.00
5	16QAM	1	12	20.09	20.29	20.29	21.00
5	16QAM	1	24	20.12	20.08	20.17	21.00
5	16QAM	12	0	20.14	20.29	20.15	21.00
5	16QAM	12	7	20.21	20.26	20.23	21.00
5	16QAM	12	13	20.10	20.21	20.20	21.00
5	16QAM	25	0	20.21	20.29	20.19	21.00
5	64QAM	1	0	20.21	20.31	20.25	21.00
5	64QAM	1	12	20.14	20.20	20.18	21.00
5	64QAM	1	24	20.10	20.18	20.17	21.00
5	64QAM	12	0	20.17	20.21	20.22	21.00
5	64QAM	12	7	20.25	20.19	20.17	21.00
5	64QAM	12	13	20.07	20.16	20.13	21.00
5	64QAM	25	0	20.10	20.21	20.12	21.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.06	20.39	20.11	21.00
3	QPSK	1	8	20.21	20.27	20.15	21.00
3	QPSK	1	14	20.20	20.30	20.14	21.00
3	QPSK	8	0	20.21	20.27	20.15	21.00
3	QPSK	8	4	20.11	20.27	20.25	21.00
3	QPSK	8	7	20.14	20.17	20.10	21.00
3	QPSK	15	0	20.14	20.31	20.24	21.00
3	16QAM	1	0	20.21	20.26	20.22	21.00
3	16QAM	1	8	20.17	20.26	20.22	21.00
3	16QAM	1	14	20.16	20.09	20.11	21.00
3	16QAM	8	0	20.13	20.17	20.19	21.00
3	16QAM	8	4	20.28	20.35	20.17	21.00
3	16QAM	8	7	20.08	20.26	20.13	21.00
3	16QAM	15	0	20.24	20.23	20.26	21.00
3	64QAM	1	0	20.10	20.34	20.21	21.00
3	64QAM	1	8	20.12	20.14	20.29	21.00
3	64QAM	1	14	20.14	20.24	20.25	21.00
3	64QAM	8	0	20.19	20.16	20.22	21.00
3	64QAM	8	4	20.14	20.15	20.15	21.00
3	64QAM	8	7	20.08	20.15	20.13	21.00
3	64QAM	15	0	20.10	20.21	20.05	21.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	20.03	20.36	20.12	21.00
1.4	QPSK	1	3	20.23	20.30	20.11	21.00
1.4	QPSK	1	5	20.26	20.29	20.18	21.00
1.4	QPSK	3	0	20.11	20.38	20.15	21.00
1.4	QPSK	3	1	20.13	20.37	20.26	21.00
1.4	QPSK	3	3	20.21	20.10	20.09	21.00
1.4	QPSK	6	0	20.04	20.26	20.25	21.00
1.4	16QAM	1	0	20.16	20.25	20.18	21.00
1.4	16QAM	1	3	20.13	20.17	20.27	21.00
1.4	16QAM	1	5	20.11	20.15	20.17	21.00
1.4	16QAM	3	0	20.14	20.24	20.19	21.00
1.4	16QAM	3	1	20.26	20.34	20.20	21.00
1.4	16QAM	3	3	20.15	20.26	20.22	21.00
1.4	16QAM	6	0	20.16	20.22	20.27	21.00
1.4	64QAM	1	0	20.15	20.30	20.22	21.00
1.4	64QAM	1	3	20.16	20.14	20.29	21.00
1.4	64QAM	1	5	20.14	20.19	20.26	21.00
1.4	64QAM	3	0	20.24	20.14	20.21	21.00
1.4	64QAM	3	1	20.16	20.12	20.19	21.00
1.4	64QAM	3	3	20.16	20.16	20.06	21.00
1.4	64QAM	6	0	20.13	20.10	20.09	21.00

【LTE Band 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.93	18.35	17.99	19.00
20	QPSK	1	49	18.00	18.27	18.00	19.00
20	QPSK	1	99	17.93	18.31	18.05	19.00
20	QPSK	50	0	17.98	18.31	18.05	19.00
20	QPSK	50	24	17.99	18.24	18.02	19.00
20	QPSK	50	50	17.96	18.20	18.07	19.00
20	QPSK	100	0	18.02	18.15	18.01	19.00
20	16QAM	1	0	18.06	18.23	18.07	19.00
20	16QAM	1	49	17.96	18.17	18.09	19.00
20	16QAM	1	99	18.00	18.22	18.07	19.00
20	16QAM	50	0	17.97	18.19	18.03	19.00
20	16QAM	50	24	18.03	18.25	18.06	19.00
20	16QAM	50	50	18.03	18.12	18.04	19.00
20	16QAM	100	0	18.01	18.19	18.12	19.00
20	64QAM	1	0	18.06	18.29	18.08	19.00
20	64QAM	1	49	17.96	18.21	18.05	19.00
20	64QAM	1	99	17.95	18.22	18.08	19.00
20	64QAM	50	0	17.98	18.18	17.99	19.00
20	64QAM	50	24	18.01	18.17	18.05	19.00
20	64QAM	50	50	18.05	18.20	18.12	19.00
20	64QAM	100	0	18.02	18.17	17.97	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.82	18.31	17.85	19.00
15	QPSK	1	37	17.93	18.20	17.92	19.00
15	QPSK	1	74	17.84	18.22	17.91	19.00
15	QPSK	36	0	17.96	18.20	18.02	19.00
15	QPSK	36	20	17.95	18.22	17.97	19.00
15	QPSK	36	39	17.87	18.19	18.05	19.00
15	QPSK	75	0	17.99	18.07	17.86	19.00
15	16QAM	1	0	17.94	18.20	18.00	19.00
15	16QAM	1	37	17.90	18.10	18.07	19.00
15	16QAM	1	74	17.86	18.15	17.99	19.00
15	16QAM	36	0	17.93	18.13	17.97	19.00
15	16QAM	36	20	17.99	18.12	17.95	19.00
15	16QAM	36	39	18.00	17.99	17.96	19.00
15	16QAM	75	0	17.89	18.10	18.09	19.00
15	64QAM	1	0	18.04	18.20	17.96	19.00
15	64QAM	1	37	17.88	18.08	17.96	19.00
15	64QAM	1	74	17.86	18.14	18.05	19.00
15	64QAM	36	0	17.87	18.17	17.90	19.00
15	64QAM	36	20	17.98	18.13	18.02	19.00
15	64QAM	36	39	18.00	18.08	18.10	19.00
15	64QAM	75	0	17.97	18.03	17.92	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.86	18.34	17.93	19.00
10	QPSK	1	25	17.90	18.14	17.87	19.00
10	QPSK	1	49	17.89	18.28	18.02	19.00
10	QPSK	25	0	17.95	18.29	17.94	19.00
10	QPSK	25	12	17.86	18.09	17.94	19.00
10	QPSK	25	25	17.85	18.10	18.06	19.00
10	QPSK	50	0	17.89	18.11	17.92	19.00
10	16QAM	1	0	17.93	18.16	18.01	19.00
10	16QAM	1	25	17.87	18.16	17.96	19.00
10	16QAM	1	49	17.92	18.14	18.02	19.00
10	16QAM	25	0	17.91	18.14	18.00	19.00
10	16QAM	25	12	17.89	18.20	17.98	19.00
10	16QAM	25	25	17.99	17.98	18.00	19.00
10	16QAM	50	0	17.87	18.12	18.04	19.00
10	64QAM	1	0	17.99	18.26	18.06	19.00
10	64QAM	1	25	17.85	18.16	17.93	19.00
10	64QAM	1	49	17.83	18.12	17.98	19.00
10	64QAM	25	0	17.85	18.06	17.84	19.00
10	64QAM	25	12	17.88	18.08	18.00	19.00
10	64QAM	25	25	17.93	18.06	18.04	19.00
10	64QAM	50	0	17.96	18.14	17.89	19.00
Channel				19975	20175	20375	Tune-up limit

Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	17.89	18.26	17.89	19.00
5	QPSK	1	12	17.97	18.21	17.90	19.00
5	QPSK	1	24	17.88	18.30	17.99	19.00
5	QPSK	12	0	17.84	18.23	17.91	19.00
5	QPSK	12	7	17.98	18.13	17.94	19.00
5	QPSK	12	13	17.89	18.12	18.00	19.00
5	QPSK	25	0	17.98	18.03	17.89	19.00
5	16QAM	1	0	18.04	18.21	17.97	19.00
5	16QAM	1	12	17.90	18.12	18.03	19.00
5	16QAM	1	24	17.93	18.20	18.05	19.00
5	16QAM	12	0	17.83	18.06	18.00	19.00
5	16QAM	12	7	17.99	18.19	18.05	19.00
5	16QAM	12	13	18.00	18.09	17.91	19.00
5	16QAM	25	0	17.91	18.10	18.11	19.00
5	64QAM	1	0	17.99	18.28	18.02	19.00
5	64QAM	1	12	17.91	18.11	17.92	19.00
5	64QAM	1	24	17.90	18.11	18.00	19.00
5	64QAM	12	0	17.97	18.09	17.88	19.00
5	64QAM	12	7	17.89	18.04	18.01	19.00
5	64QAM	12	13	17.94	18.06	18.09	19.00
5	64QAM	25	0	17.98	18.15	17.89	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.84	18.23	17.98	19.00
3	QPSK	1	8	17.88	18.17	17.88	19.00
3	QPSK	1	14	17.85	18.30	17.90	19.00
3	QPSK	8	0	17.86	18.17	17.92	19.00
3	QPSK	8	4	17.95	18.18	17.97	19.00
3	QPSK	8	7	17.93	18.07	18.01	19.00
3	QPSK	15	0	17.99	18.13	17.86	19.00
3	16QAM	1	0	17.93	18.19	18.05	19.00
3	16QAM	1	8	17.91	18.09	18.06	19.00
3	16QAM	1	14	17.98	18.17	18.00	19.00
3	16QAM	8	0	17.91	18.17	17.92	19.00
3	16QAM	8	4	17.99	18.22	17.93	19.00
3	16QAM	8	7	17.93	18.07	18.00	19.00
3	16QAM	15	0	17.98	18.08	18.07	19.00
3	64QAM	1	0	17.93	18.28	17.95	19.00
3	64QAM	1	8	17.91	18.15	17.92	19.00
3	64QAM	1	14	17.94	18.07	18.01	19.00
3	64QAM	8	0	17.88	18.16	17.87	19.00
3	64QAM	8	4	17.97	18.13	17.93	19.00
3	64QAM	8	7	18.02	18.16	17.98	19.00
3	64QAM	15	0	17.87	18.14	17.95	19.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	17.81	18.26	17.89	19.00
1.4	QPSK	1	3	17.85	18.24	17.95	19.00
1.4	QPSK	1	5	17.85	18.28	17.99	19.00
1.4	QPSK	3	0	17.90	18.29	17.92	19.00
1.4	QPSK	3	1	17.93	18.11	17.98	19.00
1.4	QPSK	3	3	17.90	18.09	17.93	19.00
1.4	QPSK	6	0	17.93	18.08	17.97	19.00
1.4	16QAM	1	0	18.02	18.18	17.94	19.00
1.4	16QAM	1	3	17.85	18.13	18.01	19.00
1.4	16QAM	1	5	17.86	18.20	18.03	19.00
1.4	16QAM	3	0	17.84	18.08	17.88	19.00
1.4	16QAM	3	1	17.99	18.16	18.01	19.00
1.4	16QAM	3	3	17.96	18.06	18.03	19.00
1.4	16QAM	6	0	17.92	18.18	18.05	19.00
1.4	64QAM	1	0	17.96	18.25	18.02	19.00
1.4	64QAM	1	3	17.82	18.16	18.00	19.00
1.4	64QAM	1	5	17.88	18.11	18.01	19.00
1.4	64QAM	3	0	17.96	18.12	17.96	19.00
1.4	64QAM	3	1	18.00	18.11	17.99	19.00
1.4	64QAM	3	3	17.99	18.09	18.10	19.00
1.4	64QAM	6	0	17.94	18.08	17.89	19.00

【LTE Band 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.16	21.34	21.06	22.00
10	QPSK	1	25	21.16	21.28	21.12	22.00
10	QPSK	1	49	21.10	21.28	21.07	22.00
10	QPSK	25	0	21.15	21.29	21.00	22.00
10	QPSK	25	12	21.17	21.21	21.05	22.00
10	QPSK	25	25	21.18	21.27	21.12	22.00
10	QPSK	50	0	21.25	21.25	21.10	22.00
10	16QAM	1	0	21.15	21.13	21.08	22.00
10	16QAM	1	25	21.20	21.29	21.11	22.00
10	16QAM	1	49	21.23	21.30	21.08	22.00
10	16QAM	25	0	21.25	21.31	21.06	22.00
10	16QAM	25	12	21.24	21.35	21.00	22.00
10	16QAM	25	25	21.18	21.16	21.07	22.00
10	16QAM	50	0	21.07	21.20	21.15	22.00
10	64QAM	1	0	21.15	21.24	21.13	22.00
10	64QAM	1	25	21.17	21.27	21.04	22.00
10	64QAM	1	49	21.22	21.26	21.08	22.00
10	64QAM	25	0	20.13	20.30	20.12	21.00
10	64QAM	25	12	20.12	20.29	20.21	21.00
10	64QAM	25	25	20.13	20.24	20.01	21.00
10	64QAM	50	0	20.11	20.34	20.05	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.02	21.24	21.05	22.00
5	QPSK	1	12	21.11	21.16	20.98	22.00
5	QPSK	1	24	21.07	21.17	21.05	22.00
5	QPSK	12	0	21.04	21.27	20.95	22.00
5	QPSK	12	7	21.06	21.13	20.94	22.00
5	QPSK	12	13	21.05	21.15	21.00	22.00
5	QPSK	25	0	21.15	21.10	21.01	22.00
5	16QAM	1	0	21.10	21.08	21.01	22.00
5	16QAM	1	12	21.06	21.21	21.04	22.00
5	16QAM	1	24	21.11	21.27	20.96	22.00
5	16QAM	12	0	21.15	21.28	20.95	22.00
5	16QAM	12	7	21.17	21.25	20.89	22.00
5	16QAM	12	13	21.10	21.07	21.04	22.00
5	16QAM	25	0	20.99	21.09	21.12	22.00
5	64QAM	1	0	21.02	21.12	21.00	22.00
5	64QAM	1	12	21.10	21.14	20.92	22.00
5	64QAM	1	24	21.14	21.18	21.07	22.00
5	64QAM	12	0	20.06	20.17	20.04	21.00
5	64QAM	12	7	19.98	20.23	20.15	21.00
5	64QAM	12	13	20.05	20.17	19.88	21.00
5	64QAM	25	0	20.03	20.29	20.02	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.06	21.21	21.03	22.00
3	QPSK	1	8	21.14	21.17	21.03	22.00
3	QPSK	1	14	21.08	21.14	20.92	22.00
3	QPSK	8	0	21.05	21.21	20.88	22.00
3	QPSK	8	4	21.12	21.12	20.99	22.00
3	QPSK	8	7	21.10	21.16	21.07	22.00
3	QPSK	15	0	21.19	21.12	20.97	22.00
3	16QAM	1	0	21.05	21.04	20.97	22.00
3	16QAM	1	8	21.07	21.14	21.02	22.00
3	16QAM	1	14	21.19	21.21	20.95	22.00
3	16QAM	8	0	21.22	21.17	20.97	22.00
3	16QAM	8	4	21.20	21.32	20.96	22.00
3	16QAM	8	7	21.13	21.02	20.98	22.00
3	16QAM	15	0	20.95	21.09	21.10	22.00
3	64QAM	1	0	21.07	21.14	21.01	22.00
3	64QAM	1	8	21.03	21.19	20.98	22.00
3	64QAM	1	14	21.15	21.15	21.06	22.00
3	64QAM	8	0	20.06	20.19	20.10	21.00
3	64QAM	8	4	20.02	20.22	20.12	21.00
3	64QAM	8	7	20.03	20.16	19.95	21.00
3	64QAM	15	0	20.03	20.24	19.91	21.00
Channel				20407	20525	20643	Tune-up limit

Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	21.03	21.32	20.95	22.00
1.4	QPSK	1	3	21.04	21.26	20.98	22.00
1.4	QPSK	1	5	21.00	21.20	20.97	22.00
1.4	QPSK	3	0	21.04	21.19	20.92	22.00
1.4	QPSK	3	1	21.06	21.14	21.01	22.00
1.4	QPSK	3	3	21.11	21.21	21.08	22.00
1.4	QPSK	6	0	21.13	21.20	20.98	22.00
1.4	16QAM	1	0	21.11	21.10	20.97	22.00
1.4	16QAM	1	3	21.09	21.16	20.96	22.00
1.4	16QAM	1	5	21.18	21.16	21.06	22.00
1.4	16QAM	3	0	21.10	21.20	20.95	22.00
1.4	16QAM	3	1	21.13	21.25	20.91	22.00
1.4	16QAM	3	3	21.08	21.07	20.98	22.00
1.4	16QAM	6	0	20.95	21.18	21.09	22.00
1.4	64QAM	1	0	21.05	21.19	21.01	22.00
1.4	64QAM	1	3	21.08	21.22	20.97	22.00
1.4	64QAM	1	5	21.20	21.17	20.99	22.00
1.4	64QAM	3	0	20.98	21.19	21.01	22.00
1.4	64QAM	3	1	21.08	21.21	21.17	22.00
1.4	64QAM	3	3	21.10	21.20	20.89	22.00
1.4	64QAM	6	0	20.07	20.26	20.01	21.00

【LTE Band 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.54	17.60	17.44	18.00
20	QPSK	1	49	17.28	17.41	17.38	18.00
20	QPSK	1	99	17.21	17.41	17.40	18.00
20	QPSK	50	0	17.44	17.51	17.41	18.00
20	QPSK	50	24	17.23	17.34	17.31	18.00
20	QPSK	50	50	17.31	17.39	17.35	18.00
20	QPSK	100	0	17.22	17.42	17.42	18.00
20	16QAM	1	0	17.22	17.51	17.42	18.00
20	16QAM	1	49	17.19	17.43	17.41	18.00
20	16QAM	1	99	17.19	17.55	17.44	18.00
20	16QAM	50	0	17.21	17.47	17.44	18.00
20	16QAM	50	24	17.21	17.46	17.51	18.00
20	16QAM	50	50	17.26	17.55	17.56	18.00
20	16QAM	100	0	17.28	17.51	17.40	18.00
20	64QAM	1	0	17.26	17.45	17.53	18.00
20	64QAM	1	49	17.16	17.43	17.57	18.00
20	64QAM	1	99	17.25	17.48	17.39	18.00
20	64QAM	50	0	17.24	17.43	17.44	18.00
20	64QAM	50	24	17.27	17.47	17.51	18.00
20	64QAM	50	50	17.22	17.50	17.48	18.00
20	64QAM	100	0	17.26	17.50	17.49	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.51	17.55	17.38	18.00
15	QPSK	1	37	17.17	17.38	17.26	18.00
15	QPSK	1	74	17.11	17.39	17.35	18.00
15	QPSK	36	0	17.30	17.44	17.37	18.00
15	QPSK	36	20	17.21	17.30	17.27	18.00
15	QPSK	36	39	17.23	17.33	17.41	18.00
15	QPSK	75	0	17.16	17.28	17.38	18.00
15	16QAM	1	0	17.20	17.38	17.40	18.00
15	16QAM	1	37	17.09	17.33	17.29	18.00
15	16QAM	1	74	17.05	17.41	17.31	18.00
15	16QAM	36	0	17.10	17.44	17.42	18.00
15	16QAM	36	20	17.10	17.39	17.38	18.00
15	16QAM	36	39	17.12	17.53	17.45	18.00
15	16QAM	75	0	17.23	17.46	17.33	18.00
15	64QAM	1	0	17.12	17.36	17.40	18.00
15	64QAM	1	37	17.11	17.39	17.47	18.00
15	64QAM	1	74	17.12	17.44	17.33	18.00
15	64QAM	36	0	17.16	17.30	17.38	18.00
15	64QAM	36	20	17.14	17.35	17.43	18.00
15	64QAM	36	39	17.13	17.42	17.45	18.00
15	64QAM	75	0	17.25	17.46	17.40	18.00

Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	17.40	17.46	17.31	18.00
10	QPSK	1	25	17.25	17.43	17.26	18.00
10	QPSK	1	49	17.16	17.35	17.44	18.00
10	QPSK	25	0	17.41	17.47	17.39	18.00
10	QPSK	25	12	17.08	17.43	17.30	18.00
10	QPSK	25	25	17.21	17.27	17.38	18.00
10	QPSK	50	0	17.16	17.31	17.36	18.00
10	16QAM	1	0	17.14	17.40	17.33	18.00
10	16QAM	1	25	17.11	17.38	17.26	18.00
10	16QAM	1	49	17.05	17.44	17.31	18.00
10	16QAM	25	0	17.16	17.36	17.32	18.00
10	16QAM	25	12	17.13	17.37	17.50	18.00
10	16QAM	25	25	17.20	17.49	17.42	18.00
10	16QAM	50	0	17.14	17.38	17.30	18.00
10	64QAM	1	0	17.15	17.43	17.45	18.00
10	64QAM	1	25	17.15	17.36	17.46	18.00
10	64QAM	1	49	17.16	17.47	17.31	18.00
10	64QAM	25	0	17.14	17.33	17.42	18.00
10	64QAM	25	12	17.19	17.38	17.39	18.00
10	64QAM	25	25	17.10	17.35	17.34	18.00
10	64QAM	50	0	17.22	17.37	17.44	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	17.45	17.57	17.29	18.00
5	QPSK	1	12	17.23	17.44	17.26	18.00
5	QPSK	1	24	17.19	17.32	17.46	18.00
5	QPSK	12	0	17.39	17.42	17.39	18.00
5	QPSK	12	7	17.15	17.33	17.39	18.00
5	QPSK	12	13	17.22	17.36	17.39	18.00
5	QPSK	25	0	17.10	17.29	17.34	18.00
5	16QAM	1	0	17.07	17.36	17.31	18.00
5	16QAM	1	12	17.04	17.33	17.26	18.00
5	16QAM	1	24	17.07	17.51	17.35	18.00
5	16QAM	12	0	17.10	17.45	17.32	18.00
5	16QAM	12	7	17.15	17.40	17.37	18.00
5	16QAM	12	13	17.12	17.50	17.47	18.00
5	16QAM	25	0	17.26	17.37	17.30	18.00
5	64QAM	1	0	17.13	17.31	17.45	18.00
5	64QAM	1	12	17.05	17.30	17.46	18.00
5	64QAM	1	24	17.15	17.46	17.25	18.00
5	64QAM	12	0	17.19	17.34	17.31	18.00
5	64QAM	12	7	17.19	17.42	17.46	18.00
5	64QAM	12	13	17.19	17.38	17.37	18.00
5	64QAM	25	0	17.22	17.44	17.46	18.00

【LTE Band 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	21.55	21.87	21.63	22.00
10	QPSK	1	25	21.54	21.82	21.81	22.00
10	QPSK	1	49	21.65	21.77	21.81	22.00
10	QPSK	25	0	21.61	21.83	21.68	22.00
10	QPSK	25	12	21.59	21.81	21.73	22.00
10	QPSK	25	25	21.58	21.82	21.74	22.00
10	QPSK	50	0	21.63	21.75	21.68	22.00
10	16QAM	1	0	21.55	21.79	21.68	22.00
10	16QAM	1	25	21.59	21.67	21.70	22.00
10	16QAM	1	49	21.70	21.81	21.79	22.00
10	16QAM	25	0	20.46	20.58	20.55	21.00
10	16QAM	25	12	20.32	20.58	20.60	21.00
10	16QAM	25	25	20.42	20.49	20.57	21.00
10	16QAM	50	0	20.39	20.61	20.46	21.00
10	64QAM	1	0	20.45	20.60	20.52	21.00
10	64QAM	1	25	20.45	20.55	20.53	21.00
10	64QAM	1	49	20.35	20.51	20.56	21.00
10	64QAM	25	0	19.40	19.58	19.52	20.00
10	64QAM	25	12	19.45	19.60	19.59	20.00
10	64QAM	25	25	19.45	19.51	19.51	20.00

10	64QAM	50	0	19.43	19.55	19.56	20.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	21.40	21.77	21.58	22.00
5	QPSK	1	12	21.48	21.76	21.67	22.00
5	QPSK	1	24	21.50	21.66	21.78	22.00
5	QPSK	12	0	21.57	21.78	21.66	22.00
5	QPSK	12	7	21.56	21.79	21.58	22.00
5	QPSK	12	13	21.45	21.81	21.59	22.00
5	QPSK	25	0	21.49	21.60	21.60	22.00
5	16QAM	1	0	21.45	21.68	21.60	22.00
5	16QAM	1	12	21.44	21.65	21.68	22.00
5	16QAM	1	24	21.65	21.79	21.67	22.00
5	16QAM	12	0	20.31	20.55	20.45	21.00
5	16QAM	12	7	20.18	20.48	20.53	21.00
5	16QAM	12	13	20.30	20.41	20.55	21.00
5	16QAM	25	0	20.28	20.53	20.45	21.00
5	64QAM	1	0	20.35	20.53	20.40	21.00
5	64QAM	1	12	20.42	20.52	20.50	21.00
5	64QAM	1	24	20.20	20.42	20.53	21.00
5	64QAM	12	0	19.28	19.55	19.39	20.00
5	64QAM	12	7	19.30	19.54	19.49	20.00
5	64QAM	12	13	19.36	19.44	19.47	20.00
5	64QAM	25	0	19.36	19.53	19.47	20.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	21.45	21.72	21.61	22.00
3	QPSK	1	8	21.49	21.68	21.75	22.00
3	QPSK	1	14	21.64	21.69	21.70	22.00
3	QPSK	8	0	21.48	21.78	21.53	22.00
3	QPSK	8	4	21.55	21.71	21.69	22.00
3	QPSK	8	7	21.45	21.75	21.67	22.00
3	QPSK	15	0	21.61	21.67	21.65	22.00
3	16QAM	1	0	21.48	21.77	21.60	22.00
3	16QAM	1	8	21.54	21.54	21.60	22.00
3	16QAM	1	14	21.59	21.76	21.71	22.00
3	16QAM	8	0	20.37	20.54	20.49	21.00
3	16QAM	8	4	20.25	20.44	20.55	21.00
3	16QAM	8	7	20.27	20.46	20.48	21.00
3	16QAM	15	0	20.33	20.56	20.33	21.00
3	64QAM	1	0	20.37	20.52	20.45	21.00
3	64QAM	1	8	20.32	20.48	20.51	21.00
3	64QAM	1	14	20.31	20.48	20.45	21.00
3	64QAM	8	0	19.31	19.49	19.47	20.00
3	64QAM	8	4	19.36	19.58	19.53	20.00
3	64QAM	8	7	19.42	19.38	19.46	20.00
3	64QAM	15	0	19.28	19.49	19.53	20.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	21.43	21.86	21.58	22.00
1.4	QPSK	1	3	21.43	21.78	21.78	22.00
1.4	QPSK	1	5	21.55	21.68	21.70	22.00
1.4	QPSK	3	0	21.52	21.73	21.63	22.00
1.4	QPSK	3	1	21.45	21.73	21.60	22.00
1.4	QPSK	3	3	21.54	21.80	21.70	22.00
1.4	QPSK	6	0	21.56	21.64	21.63	22.00
1.4	16QAM	1	0	21.49	21.77	21.67	22.00
1.4	16QAM	1	3	21.45	21.54	21.66	22.00
1.4	16QAM	1	5	21.61	21.70	21.73	22.00
1.4	16QAM	3	0	21.43	21.43	21.43	22.00
1.4	16QAM	3	1	21.24	21.49	21.54	22.00
1.4	16QAM	3	3	21.35	21.35	21.47	22.00
1.4	16QAM	6	0	20.35	20.54	20.33	21.00
1.4	64QAM	1	0	20.37	20.49	20.40	21.00
1.4	64QAM	1	3	20.33	20.51	20.52	21.00
1.4	64QAM	1	5	20.25	20.37	20.44	21.00
1.4	64QAM	3	0	20.27	20.45	20.41	21.00
1.4	64QAM	3	1	20.30	20.48	20.48	21.00
1.4	64QAM	3	3	20.34	20.38	20.42	21.00
1.4	64QAM	6	0	19.30	19.44	19.49	20.00

【LTE Band 13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		20.79		21.00
10	QPSK	1	25		20.71		21.00
10	QPSK	1	49		20.71		21.00
10	QPSK	25	0		20.75		21.00
10	QPSK	25	12		20.68		21.00
10	QPSK	25	25		20.73		21.00
10	QPSK	50	0		20.73		21.00
10	16QAM	1	0		20.64		21.00
10	16QAM	1	25		20.66		21.00
10	16QAM	1	49		20.71		21.00
10	16QAM	25	0		20.75		21.00
10	16QAM	25	12		20.65		21.00
10	16QAM	25	25		20.67		21.00
10	16QAM	50	0		20.67		21.00
10	64QAM	1	0		20.69		21.00
10	64QAM	1	25		20.65		21.00
10	64QAM	1	49		20.70		21.00
10	64QAM	25	0		20.70		21.00
10	64QAM	25	12		20.75		21.00
10	64QAM	25	25		20.65		21.00
10	64QAM	50	0		20.66		21.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	20.62	20.60	20.56	21.00
5	QPSK	1	12	20.59	20.63	20.62	21.00
5	QPSK	1	24	20.61	20.64	20.56	21.00
5	QPSK	12	0	20.55	20.58	20.61	21.00
5	QPSK	12	7	20.55	20.57	20.59	21.00
5	QPSK	12	13	20.59	20.57	20.65	21.00
5	QPSK	25	0	20.54	20.55	20.65	21.00
5	16QAM	1	0	20.57	20.63	20.63	21.00
5	16QAM	1	12	20.64	20.57	20.57	21.00
5	16QAM	1	24	20.64	20.59	20.66	21.00
5	16QAM	12	0	20.55	20.60	20.58	21.00
5	16QAM	12	7	20.66	20.58	20.62	21.00
5	16QAM	12	13	20.62	20.63	20.55	21.00
5	16QAM	25	0	20.65	20.55	20.54	21.00
5	64QAM	1	0	20.55	20.63	20.61	21.00
5	64QAM	1	12	20.57	20.65	20.54	21.00
5	64QAM	1	24	20.62	20.66	20.65	21.00
5	64QAM	12	0	20.63	20.65	20.54	21.00
5	64QAM	12	7	20.65	20.56	20.55	21.00
5	64QAM	12	13	20.55	20.57	20.66	21.00
5	64QAM	25	0	20.63	20.65	20.58	21.00

【LTE Band 14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		21.55		22.00
10	QPSK	1	25		21.38		22.00
10	QPSK	1	49		21.40		22.00
10	QPSK	25	0		21.51		22.00
10	QPSK	25	12		21.43		22.00
10	QPSK	25	25		21.49		22.00
10	QPSK	50	0		21.31		22.00
10	16QAM	1	0		21.41		22.00
10	16QAM	1	25		21.43		22.00
10	16QAM	1	49		21.37		22.00
10	16QAM	25	0		20.40		21.00
10	16QAM	25	12		20.48		21.00
10	16QAM	25	25		20.36		21.00

10	16QAM	50	0		20.45		21.00
10	64QAM	1	0		20.36		21.00
10	64QAM	1	25		20.41		21.00
10	64QAM	1	49		20.40		21.00
10	64QAM	25	0		19.44		20.00
10	64QAM	25	12		19.41		20.00
10	64QAM	25	25		19.41		20.00
10	64QAM	50	0		19.39		20.00
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	21.41	21.47	21.38	22.00
5	QPSK	1	12	21.30	21.31	21.29	22.00
5	QPSK	1	24	21.27	21.30	21.25	22.00
5	QPSK	12	0	21.45	21.43	21.35	22.00
5	QPSK	12	7	21.37	21.36	21.38	22.00
5	QPSK	12	13	21.34	21.43	21.37	22.00
5	QPSK	25	0	21.29	21.25	21.26	22.00
5	16QAM	1	0	21.34	21.30	21.31	22.00
5	16QAM	1	12	21.33	21.26	21.35	22.00
5	16QAM	1	24	21.28	21.28	21.34	22.00
5	16QAM	12	0	20.28	20.23	20.34	21.00
5	16QAM	12	7	20.36	20.41	20.39	21.00
5	16QAM	12	13	20.31	20.29	20.36	21.00
5	16QAM	25	0	20.32	20.34	20.27	21.00
5	64QAM	1	0	20.28	20.33	20.30	21.00
5	64QAM	1	12	20.32	20.28	20.28	21.00
5	64QAM	1	24	20.34	20.32	20.38	21.00
5	64QAM	12	0	19.26	19.32	19.35	20.00
5	64QAM	12	7	19.34	19.37	19.38	20.00
5	64QAM	12	13	19.37	19.31	19.37	20.00
5	64QAM	25	0	19.27	19.38	19.29	20.00

【LTE Band 17】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	20.68	20.95	20.72	22.00
10	QPSK	1	25	20.69	20.92	20.93	22.00
10	QPSK	1	49	20.76	20.93	20.92	22.00
10	QPSK	25	0	20.72	20.99	20.74	22.00
10	QPSK	25	12	20.66	20.97	20.90	22.00
10	QPSK	25	25	20.69	20.95	20.81	22.00
10	QPSK	50	0	20.71	20.82	20.84	22.00
10	16QAM	1	0	20.65	20.95	20.76	22.00
10	16QAM	1	25	20.67	20.84	20.77	22.00
10	16QAM	1	49	20.80	20.96	20.85	22.00
10	16QAM	25	0	19.58	19.70	19.64	21.00
10	16QAM	25	12	19.41	19.64	19.73	21.00
10	16QAM	25	25	19.48	19.63	19.64	21.00
10	16QAM	50	0	19.46	19.76	19.61	21.00
10	64QAM	1	0	19.61	19.75	19.59	21.00
10	64QAM	1	25	19.55	19.72	19.62	21.00
10	64QAM	1	49	19.48	19.59	19.66	21.00
10	64QAM	25	0	18.51	18.68	18.59	20.00
10	64QAM	25	12	18.55	18.68	18.74	20.00
10	64QAM	25	25	18.60	18.60	18.59	20.00
10	64QAM	50	0	18.59	18.70	18.63	20.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	20.59	20.82	20.66	22.00
5	QPSK	1	12	20.60	20.80	20.80	22.00
5	QPSK	1	24	20.69	20.84	20.87	22.00
5	QPSK	12	0	20.62	20.81	20.65	22.00
5	QPSK	12	7	20.59	20.87	20.82	22.00
5	QPSK	12	13	20.59	20.91	20.73	22.00
5	QPSK	25	0	20.69	20.76	20.73	22.00
5	16QAM	1	0	20.62	20.83	20.65	22.00
5	16QAM	1	12	20.62	20.76	20.66	22.00
5	16QAM	1	24	20.79	20.81	20.79	22.00
5	16QAM	12	0	19.47	19.63	19.50	21.00
5	16QAM	12	7	19.28	19.58	19.71	21.00

5	16QAM	12	13	19.45	19.62	19.53	21.00
5	16QAM	25	0	19.35	19.62	19.53	21.00
5	64QAM	1	0	19.59	19.69	19.45	21.00
5	64QAM	1	12	19.52	19.71	19.58	21.00
5	64QAM	1	24	19.46	19.56	19.57	21.00
5	64QAM	12	0	18.50	18.60	18.50	20.00
5	64QAM	12	7	18.45	18.66	18.61	20.00
5	64QAM	12	13	18.57	18.57	18.53	20.00
5	64QAM	25	0	18.48	18.57	18.54	20.00

【LTE Band 25】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.41	20.49	20.43	21.00
20	QPSK	1	49	20.37	20.42	20.34	21.00
20	QPSK	1	99	20.38	20.40	20.32	21.00
20	QPSK	50	0	20.45	20.46	20.43	21.00
20	QPSK	50	24	20.28	20.40	20.39	21.00
20	QPSK	50	50	20.35	20.36	20.27	21.00
20	QPSK	100	0	20.28	20.42	20.31	21.00
20	16QAM	1	0	20.34	20.43	20.36	21.00
20	16QAM	1	49	20.29	20.34	20.38	21.00
20	16QAM	1	99	20.32	20.34	20.36	21.00
20	16QAM	50	0	20.30	20.37	20.30	21.00
20	16QAM	50	24	20.38	20.41	20.37	21.00
20	16QAM	50	50	20.30	20.34	20.33	21.00
20	16QAM	100	0	20.34	20.42	20.35	21.00
20	64QAM	1	0	20.36	20.43	20.39	21.00
20	64QAM	1	49	20.34	20.37	20.37	21.00
20	64QAM	1	99	20.31	20.39	20.32	21.00
20	64QAM	50	0	20.36	20.34	20.35	21.00
20	64QAM	50	24	20.32	20.38	20.33	21.00
20	64QAM	50	50	20.28	20.34	20.34	21.00
20	64QAM	100	0	20.29	20.36	20.31	21.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.17	20.47	20.19	21.00
15	QPSK	1	37	20.26	20.37	20.20	21.00
15	QPSK	1	74	20.33	20.29	20.18	21.00
15	QPSK	36	0	20.31	20.39	20.30	21.00
15	QPSK	36	20	20.20	20.36	20.35	21.00
15	QPSK	36	39	20.25	20.32	20.14	21.00
15	QPSK	75	0	20.22	20.38	20.29	21.00
15	16QAM	1	0	20.23	20.33	20.23	21.00
15	16QAM	1	37	20.22	20.23	20.34	21.00
15	16QAM	1	74	20.19	20.24	20.28	21.00
15	16QAM	36	0	20.25	20.25	20.29	21.00
15	16QAM	36	20	20.27	20.39	20.27	21.00
15	16QAM	36	39	20.16	20.29	20.19	21.00
15	16QAM	75	0	20.21	20.34	20.24	21.00
15	64QAM	1	0	20.27	20.32	20.24	21.00
15	64QAM	1	37	20.30	20.24	20.22	21.00
15	64QAM	1	74	20.18	20.25	20.20	21.00
15	64QAM	36	0	20.26	20.26	20.32	21.00
15	64QAM	36	20	20.24	20.33	20.30	21.00
15	64QAM	36	39	20.19	20.27	20.21	21.00
15	64QAM	75	0	20.14	20.34	20.25	21.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.27	20.40	20.21	21.00
10	QPSK	1	25	20.31	20.41	20.26	21.00
10	QPSK	1	49	20.23	20.42	20.20	21.00
10	QPSK	25	0	20.31	20.43	20.28	21.00
10	QPSK	25	12	20.21	20.41	20.29	21.00
10	QPSK	25	25	20.20	20.32	20.21	21.00
10	QPSK	50	0	20.16	20.38	20.24	21.00
10	16QAM	1	0	20.23	20.39	20.25	21.00
10	16QAM	1	25	20.24	20.31	20.30	21.00
10	16QAM	1	49	20.19	20.30	20.28	21.00
10	16QAM	25	0	20.23	20.31	20.16	21.00
10	16QAM	25	12	20.28	20.40	20.25	21.00
10	16QAM	25	25	20.24	20.19	20.19	21.00

10	16QAM	50	0	20.20	20.29	20.29	21.00
10	64QAM	1	0	20.32	20.40	20.33	21.00
10	64QAM	1	25	20.25	20.30	20.31	21.00
10	64QAM	1	49	20.20	20.31	20.25	21.00
10	64QAM	25	0	20.22	20.28	20.31	21.00
10	64QAM	25	12	20.27	20.27	20.31	21.00
10	64QAM	25	25	20.27	20.22	20.31	21.00
10	64QAM	50	0	20.26	20.30	20.30	21.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	20.25	20.35	20.18	21.00
5	QPSK	1	12	20.26	20.34	20.22	21.00
5	QPSK	1	24	20.29	20.33	20.27	21.00
5	QPSK	12	0	20.20	20.44	20.19	21.00
5	QPSK	12	7	20.18	20.35	20.28	21.00
5	QPSK	12	13	20.23	20.24	20.13	21.00
5	QPSK	25	0	20.22	20.31	20.26	21.00
5	16QAM	1	0	20.22	20.36	20.32	21.00
5	16QAM	1	12	20.19	20.32	20.24	21.00
5	16QAM	1	24	20.26	20.23	20.30	21.00
5	16QAM	12	0	20.24	20.27	20.29	21.00
5	16QAM	12	7	20.34	20.38	20.33	21.00
5	16QAM	12	13	20.19	20.25	20.19	21.00
5	16QAM	25	0	20.32	20.32	20.26	21.00
5	64QAM	1	0	20.30	20.31	20.30	21.00
5	64QAM	1	12	20.21	20.24	20.25	21.00
5	64QAM	1	24	20.28	20.33	20.24	21.00
5	64QAM	12	0	20.32	20.29	20.27	21.00
5	64QAM	12	7	20.22	20.36	20.23	21.00
5	64QAM	12	13	20.23	20.29	20.31	21.00
5	64QAM	25	0	20.21	20.32	20.28	21.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	20.18	20.43	20.18	21.00
3	QPSK	1	8	20.29	20.36	20.30	21.00
3	QPSK	1	14	20.28	20.29	20.21	21.00
3	QPSK	8	0	20.24	20.36	20.29	21.00
3	QPSK	8	4	20.15	20.36	20.27	21.00
3	QPSK	8	7	20.29	20.24	20.14	21.00
3	QPSK	15	0	20.21	20.36	20.28	21.00
3	16QAM	1	0	20.20	20.34	20.22	21.00
3	16QAM	1	8	20.25	20.24	20.31	21.00
3	16QAM	1	14	20.24	20.24	20.32	21.00
3	16QAM	8	0	20.25	20.26	20.20	21.00
3	16QAM	8	4	20.25	20.28	20.33	21.00
3	16QAM	8	7	20.25	20.23	20.23	21.00
3	16QAM	15	0	20.19	20.33	20.20	21.00
3	64QAM	1	0	20.27	20.40	20.35	21.00
3	64QAM	1	8	20.25	20.23	20.29	21.00
3	64QAM	1	14	20.24	20.30	20.18	21.00
3	64QAM	8	0	20.30	20.27	20.27	21.00
3	64QAM	8	4	20.23	20.36	20.21	21.00
3	64QAM	8	7	20.27	20.25	20.32	21.00
3	64QAM	15	0	20.26	20.30	20.30	21.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	20.27	20.34	20.19	21.00
1.4	QPSK	1	3	20.28	20.36	20.30	21.00
1.4	QPSK	1	5	20.27	20.33	20.27	21.00
1.4	QPSK	3	0	20.29	20.38	20.25	21.00
1.4	QPSK	3	1	20.22	20.35	20.31	21.00
1.4	QPSK	3	3	20.26	20.22	20.13	21.00
1.4	QPSK	6	0	20.25	20.37	20.19	21.00
1.4	16QAM	1	0	20.21	20.38	20.21	21.00
1.4	16QAM	1	3	20.26	20.25	20.29	21.00
1.4	16QAM	1	5	20.23	20.33	20.23	21.00
1.4	16QAM	3	0	20.16	20.28	20.20	21.00
1.4	16QAM	3	1	20.35	20.27	20.27	21.00
1.4	16QAM	3	3	20.16	20.26	20.25	21.00
1.4	16QAM	6	0	20.24	20.29	20.28	21.00
1.4	64QAM	1	0	20.28	20.31	20.26	21.00
1.4	64QAM	1	3	20.27	20.30	20.29	21.00
1.4	64QAM	1	5	20.22	20.25	20.31	21.00
1.4	64QAM	3	0	20.22	20.22	20.27	21.00
1.4	64QAM	3	1	20.23	20.31	20.27	21.00
1.4	64QAM	3	3	20.18	20.25	20.33	21.00
1.4	64QAM	6	0	19.17	19.31	19.29	20.00

【LTE Band 26__FCC (814~849MHz)】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.38	21.53	21.29	22.00
15	QPSK	1	37	21.39	21.46	21.37	22.00
15	QPSK	1	74	21.38	21.47	21.31	22.00
15	QPSK	36	0	21.36	21.52	21.30	22.00
15	QPSK	36	20	21.35	21.45	21.29	22.00
15	QPSK	36	39	21.38	21.51	21.34	22.00
15	QPSK	75	0	21.42	21.43	21.35	22.00
15	16QAM	1	0	21.43	21.41	21.32	22.00
15	16QAM	1	37	21.40	21.51	21.35	22.00
15	16QAM	1	74	21.42	21.48	21.37	22.00
15	16QAM	36	0	21.38	21.44	21.29	22.00
15	16QAM	36	20	21.37	21.48	21.30	22.00
15	16QAM	36	39	21.43	21.40	21.31	22.00
15	16QAM	75	0	21.36	21.44	21.37	22.00
15	64QAM	1	0	21.37	21.41	21.29	22.00
15	64QAM	1	37	21.44	21.44	21.27	22.00
15	64QAM	1	74	21.44	21.43	21.27	22.00
15	64QAM	36	0	20.37	20.49	20.37	21.00
15	64QAM	36	20	20.44	20.51	20.37	21.00
15	64QAM	36	39	20.44	20.46	20.36	21.00
15	64QAM	75	0	20.37	20.51	20.28	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.29	21.50	21.22	22.00
10	QPSK	1	25	21.35	21.38	21.25	22.00
10	QPSK	1	49	21.23	21.37	21.21	22.00
10	QPSK	25	0	21.31	21.49	21.16	22.00
10	QPSK	25	12	21.21	21.30	21.18	22.00
10	QPSK	25	25	21.24	21.47	21.21	22.00
10	QPSK	50	0	21.29	21.32	21.21	22.00
10	16QAM	1	0	21.34	21.28	21.25	22.00
10	16QAM	1	25	21.35	21.37	21.30	22.00
10	16QAM	1	49	21.35	21.33	21.34	22.00
10	16QAM	25	0	21.32	21.40	21.16	22.00
10	16QAM	25	12	21.34	21.40	21.15	22.00
10	16QAM	25	25	21.39	21.28	21.19	22.00
10	16QAM	50	0	21.30	21.32	21.28	22.00
10	64QAM	1	0	21.24	21.31	21.23	22.00
10	64QAM	1	25	21.39	21.41	21.15	22.00
10	64QAM	1	49	21.31	21.35	21.26	22.00
10	64QAM	25	0	20.33	20.42	20.24	21.00
10	64QAM	25	12	20.34	20.37	20.25	21.00
10	64QAM	25	25	20.36	20.45	20.33	21.00
10	64QAM	50	0	20.24	20.44	20.18	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.26	21.40	21.24	22.00
5	QPSK	1	12	21.37	21.36	21.31	22.00
5	QPSK	1	24	21.34	21.38	21.25	22.00
5	QPSK	12	0	21.24	21.43	21.27	22.00
5	QPSK	12	7	21.27	21.38	21.20	22.00
5	QPSK	12	13	21.33	21.42	21.27	22.00
5	QPSK	25	0	21.29	21.39	21.31	22.00
5	16QAM	1	0	21.35	21.33	21.23	22.00
5	16QAM	1	12	21.33	21.36	21.27	22.00
5	16QAM	1	24	21.40	21.36	21.32	22.00
5	16QAM	12	0	21.25	21.39	21.18	22.00
5	16QAM	12	7	21.26	21.43	21.19	22.00
5	16QAM	12	13	21.35	21.26	21.20	22.00
5	16QAM	25	0	21.23	21.35	21.35	22.00
5	64QAM	1	0	21.25	21.37	21.28	22.00
5	64QAM	1	12	21.40	21.32	21.25	22.00
5	64QAM	1	24	21.40	21.29	21.21	22.00
5	64QAM	12	0	20.28	20.48	20.32	21.00
5	64QAM	12	7	20.32	20.39	20.31	21.00
5	64QAM	12	13	20.35	20.36	20.33	21.00
5	64QAM	25	0	20.23	20.50	20.19	21.00
Channel				26705	26865	27025	Tune-up limit

Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.36	21.42	21.20	22.00
3	QPSK	1	8	21.35	21.31	21.26	22.00
3	QPSK	1	14	21.25	21.41	21.19	22.00
3	QPSK	8	0	21.26	21.48	21.25	22.00
3	QPSK	8	4	21.24	21.32	21.21	22.00
3	QPSK	8	7	21.37	21.40	21.28	22.00
3	QPSK	15	0	21.30	21.39	21.33	22.00
3	16QAM	1	0	21.42	21.33	21.30	22.00
3	16QAM	1	8	21.31	21.47	21.25	22.00
3	16QAM	1	14	21.35	21.39	21.34	22.00
3	16QAM	8	0	21.24	21.34	21.25	22.00
3	16QAM	8	4	21.33	21.43	21.21	22.00
3	16QAM	8	7	21.41	21.32	21.19	22.00
3	16QAM	15	0	21.23	21.39	21.31	22.00
3	64QAM	1	0	21.27	21.34	21.25	22.00
3	64QAM	1	8	21.38	21.29	21.15	22.00
3	64QAM	1	14	21.32	21.37	21.26	22.00
3	64QAM	8	0	20.34	20.40	20.34	21.00
3	64QAM	8	4	20.39	20.37	20.27	21.00
3	64QAM	8	7	20.38	20.41	20.34	21.00
3	64QAM	15	0	20.25	20.49	20.22	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.24	21.48	21.17	22.00
1.4	QPSK	1	3	21.34	21.41	21.30	22.00
1.4	QPSK	1	5	21.28	21.34	21.22	22.00
1.4	QPSK	3	0	21.30	21.39	21.15	22.00
1.4	QPSK	3	1	21.24	21.40	21.17	22.00
1.4	QPSK	3	3	21.36	21.39	21.29	22.00
1.4	QPSK	6	0	21.35	21.39	21.28	22.00
1.4	16QAM	1	0	21.31	21.34	21.18	22.00
1.4	16QAM	1	3	21.32	21.46	21.33	22.00
1.4	16QAM	1	5	21.27	21.39	21.27	22.00
1.4	16QAM	3	0	21.33	21.34	21.17	22.00
1.4	16QAM	3	1	21.31	21.36	21.23	22.00
1.4	16QAM	3	3	21.40	21.36	21.27	22.00
1.4	16QAM	6	0	21.25	21.40	21.30	22.00
1.4	64QAM	1	0	21.28	21.33	21.23	22.00
1.4	64QAM	1	3	21.34	21.33	21.19	22.00
1.4	64QAM	1	5	21.35	21.40	21.23	22.00
1.4	64QAM	3	0	21.33	21.41	21.34	22.00
1.4	64QAM	3	1	21.29	21.44	21.35	22.00
1.4	64QAM	3	3	21.29	21.44	21.22	22.00
1.4	64QAM	6	0	20.25	20.38	20.23	21.00

【LTE Band 41_FCC (2496~2690MHz)】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.97	17.04	17.13	16.92	16.89	18.00
20	QPSK	1	49	16.78	16.95	16.95	16.73	16.66	18.00
20	QPSK	1	99	16.72	16.88	16.93	16.69	16.74	18.00
20	QPSK	50	0	16.98	17.05	17.11	17.02	17.10	18.00
20	QPSK	50	24	16.88	16.99	17.06	16.68	16.75	18.00
20	QPSK	50	50	16.75	17.03	17.00	16.74	16.63	18.00
20	QPSK	100	0	16.83	16.93	17.00	16.84	16.68	18.00
20	16QAM	1	0	16.76	16.96	17.00	16.78	16.68	18.00
20	16QAM	1	49	16.79	17.03	17.02	16.76	16.75	18.00
20	16QAM	1	99	16.84	16.96	17.06	16.80	16.66	18.00
20	16QAM	50	0	16.88	17.02	17.04	16.72	16.67	18.00
20	16QAM	50	24	16.72	17.02	16.94	16.80	16.78	18.00
20	16QAM	50	50	16.80	16.98	16.98	16.67	16.71	18.00
20	16QAM	100	0	16.81	16.99	17.10	16.76	16.71	18.00
20	64QAM	1	0	16.74	17.03	17.00	16.85	16.73	18.00
20	64QAM	1	49	16.71	16.94	16.95	16.75	16.73	18.00
20	64QAM	1	99	16.73	17.05	17.04	16.78	16.75	18.00
20	64QAM	50	0	16.80	16.96	17.01	16.82	16.74	18.00
20	64QAM	50	24	16.80	16.93	16.97	16.79	16.71	18.00
20	64QAM	50	50	16.80	16.98	16.91	16.87	16.74	18.00
20	64QAM	100	0	16.78	16.92	17.04	16.75	16.71	18.00
Channel				39725	40173	40620	41068	41515	Tune-up limit
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)

15	QPSK	1	0	16.95	16.92	17.11	16.83	16.83	18.00
15	QPSK	1	37	16.74	16.87	16.93	16.59	16.57	18.00
15	QPSK	1	74	16.65	16.74	16.84	16.68	16.68	18.00
15	QPSK	36	0	16.93	16.97	17.02	16.90	16.98	18.00
15	QPSK	36	20	16.74	16.86	16.99	16.62	16.67	18.00
15	QPSK	36	39	16.63	16.92	16.88	16.63	16.52	18.00
15	QPSK	75	0	16.81	16.82	16.97	16.71	16.56	18.00
15	16QAM	1	0	16.71	16.86	16.93	16.73	16.60	18.00
15	16QAM	1	37	16.67	16.92	16.93	16.69	16.74	18.00
15	16QAM	1	74	16.70	16.82	17.01	16.67	16.63	18.00
15	16QAM	36	0	16.86	16.96	16.99	16.63	16.57	18.00
15	16QAM	36	20	16.62	16.96	16.82	16.75	16.63	18.00
15	16QAM	36	39	16.71	16.85	16.87	16.63	16.57	18.00
15	16QAM	75	0	16.78	16.86	17.04	16.70	16.58	18.00
15	64QAM	1	0	16.70	16.98	16.98	16.84	16.69	18.00
15	64QAM	1	37	16.69	16.85	16.84	16.71	16.62	18.00
15	64QAM	1	74	16.61	16.98	16.91	16.74	16.63	18.00
15	64QAM	36	0	16.79	16.82	16.98	16.76	16.70	18.00
15	64QAM	36	20	16.73	16.90	16.91	16.72	16.64	18.00
15	64QAM	36	39	16.77	16.87	16.86	16.76	16.66	18.00
15	64QAM	75	0	16.73	16.79	16.96	16.65	16.58	18.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.82	17.01	17.04	16.78	16.81	18.00
10	QPSK	1	25	16.69	16.93	16.83	16.69	16.60	18.00
10	QPSK	1	49	16.68	16.79	16.79	16.64	16.70	18.00
10	QPSK	25	0	16.92	17.02	17.04	16.95	17.04	18.00
10	QPSK	25	12	16.80	16.90	17.01	16.66	16.66	18.00
10	QPSK	25	25	16.67	16.98	16.91	16.59	16.53	18.00
10	QPSK	50	0	16.72	16.80	16.95	16.74	16.54	18.00
10	16QAM	1	0	16.74	16.85	16.87	16.67	16.59	18.00
10	16QAM	1	25	16.75	17.00	16.89	16.71	16.63	18.00
10	16QAM	1	49	16.74	16.92	16.93	16.78	16.53	18.00
10	16QAM	25	0	16.83	16.94	16.90	16.67	16.66	18.00
10	16QAM	25	12	16.67	16.94	16.84	16.68	16.73	18.00
10	16QAM	25	25	16.65	16.95	16.91	16.65	16.59	18.00
10	16QAM	50	0	16.68	16.97	17.00	16.68	16.69	18.00
10	64QAM	1	0	16.64	16.91	16.96	16.78	16.65	18.00
10	64QAM	1	25	16.64	16.91	16.91	16.61	16.63	18.00
10	64QAM	1	49	16.66	16.99	16.99	16.68	16.71	18.00
10	64QAM	25	0	16.76	16.87	16.86	16.68	16.61	18.00
10	64QAM	25	12	16.67	16.78	16.83	16.75	16.69	18.00
10	64QAM	25	25	16.69	16.92	16.84	16.85	16.70	18.00
10	64QAM	50	0	16.69	16.89	16.93	16.65	16.64	18.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	16.89	16.92	17.02	16.88	16.86	18.00
5	QPSK	1	12	16.75	16.89	16.91	16.63	16.53	18.00
5	QPSK	1	24	16.61	16.86	16.82	16.60	16.59	18.00
5	QPSK	12	0	16.93	16.97	17.05	16.96	16.98	18.00
5	QPSK	12	7	16.73	16.86	16.99	16.61	16.71	18.00
5	QPSK	12	13	16.70	16.95	16.94	16.63	16.59	18.00
5	QPSK	25	0	16.72	16.89	16.97	16.77	16.60	18.00
5	16QAM	1	0	16.75	16.89	16.86	16.64	16.67	18.00
5	16QAM	1	12	16.76	17.00	16.94	16.71	16.63	18.00
5	16QAM	1	24	16.71	16.86	16.98	16.69	16.51	18.00
5	16QAM	12	0	16.79	16.91	16.92	16.62	16.57	18.00
5	16QAM	12	7	16.64	16.93	16.85	16.74	16.70	18.00
5	16QAM	12	13	16.77	16.88	16.84	16.64	16.66	18.00
5	16QAM	25	0	16.76	16.90	17.01	16.73	16.67	18.00
5	64QAM	1	0	16.59	16.94	16.87	16.81	16.63	18.00
5	64QAM	1	12	16.65	16.92	16.81	16.64	16.63	18.00
5	64QAM	1	24	16.63	16.97	16.99	16.74	16.71	18.00
5	64QAM	12	0	16.68	16.88	16.92	16.68	16.61	18.00
5	64QAM	12	7	16.75	16.86	16.87	16.74	16.60	18.00
5	64QAM	12	13	16.77	16.97	16.77	16.84	16.59	18.00
5	64QAM	25	0	16.73	16.87	16.90	16.72	16.61	18.00

【LTE Band 66】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.11	18.45	18.11	19.00
20	QPSK	1	49	18.19	18.39	18.19	19.00
20	QPSK	1	99	18.11	18.40	18.19	19.00
20	QPSK	50	0	18.16	18.41	18.22	19.00
20	QPSK	50	24	18.18	18.37	18.11	19.00
20	QPSK	50	50	18.12	18.36	18.18	19.00
20	QPSK	100	0	18.16	18.34	18.11	19.00
20	16QAM	1	0	18.18	18.36	18.16	19.00
20	16QAM	1	49	18.11	18.33	18.21	19.00
20	16QAM	1	99	18.13	18.38	18.16	19.00
20	16QAM	50	0	18.15	18.34	18.12	19.00
20	16QAM	50	24	18.14	18.39	18.18	19.00
20	16QAM	50	50	18.17	18.29	18.18	19.00
20	16QAM	100	0	18.10	18.29	18.23	19.00
20	64QAM	1	0	18.18	18.40	18.21	19.00
20	64QAM	1	49	18.15	18.39	18.19	19.00
20	64QAM	1	99	18.12	18.30	18.21	19.00
20	64QAM	50	0	18.17	18.31	18.13	19.00
20	64QAM	50	24	18.17	18.29	18.20	19.00
20	64QAM	50	50	18.16	18.30	18.21	19.00
20	64QAM	100	0	18.11	18.35	18.16	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.09	18.35	17.98	19.00
15	QPSK	1	37	18.09	18.36	18.12	19.00
15	QPSK	1	74	18.08	18.25	18.16	19.00
15	QPSK	36	0	18.08	18.31	18.14	19.00
15	QPSK	36	20	18.10	18.33	18.00	19.00
15	QPSK	36	39	17.98	18.32	18.04	19.00
15	QPSK	75	0	18.13	18.32	18.10	19.00
15	16QAM	1	0	18.14	18.32	18.10	19.00
15	16QAM	1	37	17.97	18.32	18.17	19.00
15	16QAM	1	74	18.01	18.32	18.11	19.00
15	16QAM	36	0	18.13	18.29	17.99	19.00
15	16QAM	36	20	18.11	18.37	18.09	19.00
15	16QAM	36	39	18.05	18.17	18.11	19.00
15	16QAM	75	0	18.01	18.18	18.21	19.00
15	64QAM	1	0	18.06	18.37	18.11	19.00
15	64QAM	1	37	18.05	18.25	18.04	19.00
15	64QAM	1	74	17.98	18.28	18.14	19.00
15	64QAM	36	0	18.13	18.18	18.11	19.00
15	64QAM	36	20	18.03	18.15	18.17	19.00
15	64QAM	36	39	18.12	18.18	18.18	19.00
15	64QAM	75	0	17.98	18.26	18.05	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.09	18.37	18.03	19.00
10	QPSK	1	25	18.07	18.31	18.12	19.00
10	QPSK	1	49	18.07	18.34	18.13	19.00
10	QPSK	25	0	18.13	18.39	18.17	19.00
10	QPSK	25	12	18.08	18.24	18.07	19.00
10	QPSK	25	25	18.09	18.34	18.08	19.00
10	QPSK	50	0	18.10	18.20	18.02	19.00
10	16QAM	1	0	18.15	18.34	18.02	19.00
10	16QAM	1	25	18.00	18.30	18.08	19.00
10	16QAM	1	49	17.98	18.25	18.15	19.00
10	16QAM	25	0	18.09	18.28	18.03	19.00
10	16QAM	25	12	18.10	18.27	18.03	19.00
10	16QAM	25	25	18.08	18.21	18.05	19.00
10	16QAM	50	0	17.98	18.14	18.15	19.00
10	64QAM	1	0	18.09	18.31	18.20	19.00
10	64QAM	1	25	18.14	18.33	18.07	19.00
10	64QAM	1	49	17.98	18.16	18.20	19.00
10	64QAM	25	0	18.05	18.17	18.11	19.00
10	64QAM	25	12	18.10	18.19	18.17	19.00
10	64QAM	25	25	18.03	18.15	18.09	19.00

10	64QAM	50	0	18.03	18.33	18.12	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	18.05	18.36	18.00	19.00
5	QPSK	1	12	18.08	18.28	18.12	19.00
5	QPSK	1	24	18.00	18.39	18.11	19.00
5	QPSK	12	0	18.12	18.37	18.14	19.00
5	QPSK	12	7	18.11	18.32	18.02	19.00
5	QPSK	12	13	17.97	18.29	18.10	19.00
5	QPSK	25	0	18.04	18.28	18.08	19.00
5	16QAM	1	0	18.15	18.32	18.06	19.00
5	16QAM	1	12	18.06	18.20	18.08	19.00
5	16QAM	1	24	18.11	18.31	18.14	19.00
5	16QAM	12	0	18.05	18.26	17.99	19.00
5	16QAM	12	7	18.09	18.27	18.05	19.00
5	16QAM	12	13	18.12	18.19	18.08	19.00
5	16QAM	25	0	18.08	18.27	18.12	19.00
5	64QAM	1	0	18.04	18.32	18.12	19.00
5	64QAM	1	12	18.06	18.28	18.13	19.00
5	64QAM	1	24	18.09	18.19	18.07	19.00
5	64QAM	12	0	18.12	18.29	18.08	19.00
5	64QAM	12	7	18.08	18.22	18.14	19.00
5	64QAM	12	13	18.10	18.28	18.08	19.00
5	64QAM	25	0	18.01	18.21	18.15	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.97	18.34	18.06	19.00
3	QPSK	1	8	18.08	18.26	18.08	19.00
3	QPSK	1	14	18.01	18.31	18.14	19.00
3	QPSK	8	0	18.08	18.36	18.19	19.00
3	QPSK	8	4	18.05	18.24	18.08	19.00
3	QPSK	8	7	18.03	18.34	18.10	19.00
3	QPSK	15	0	18.08	18.31	17.97	19.00
3	16QAM	1	0	18.09	18.27	18.06	19.00
3	16QAM	1	8	18.05	18.30	18.20	19.00
3	16QAM	1	14	18.11	18.34	18.11	19.00
3	16QAM	8	0	18.03	18.26	17.97	19.00
3	16QAM	8	4	18.01	18.35	18.16	19.00
3	16QAM	8	7	18.06	18.27	18.03	19.00
3	16QAM	15	0	18.04	18.14	18.09	19.00
3	64QAM	1	0	18.04	18.29	18.13	19.00
3	64QAM	1	8	18.09	18.36	18.16	19.00
3	64QAM	1	14	18.00	18.27	18.19	19.00
3	64QAM	8	0	18.10	18.21	18.12	19.00
3	64QAM	8	4	18.11	18.22	18.11	19.00
3	64QAM	8	7	18.02	18.21	18.06	19.00
3	64QAM	15	0	18.03	18.29	18.04	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	18.05	18.32	18.06	19.00
1.4	QPSK	1	3	18.15	18.37	18.04	19.00
1.4	QPSK	1	5	18.04	18.25	18.10	19.00
1.4	QPSK	3	0	18.08	18.28	18.09	19.00
1.4	QPSK	3	1	18.07	18.36	18.00	19.00
1.4	QPSK	3	3	18.09	18.29	18.12	19.00
1.4	QPSK	6	0	18.10	18.21	17.98	19.00
1.4	16QAM	1	0	18.09	18.23	18.05	19.00
1.4	16QAM	1	3	17.97	18.28	18.18	19.00
1.4	16QAM	1	5	18.07	18.26	18.09	19.00
1.4	16QAM	3	0	18.12	18.21	18.07	19.00
1.4	16QAM	3	1	18.00	18.26	18.12	19.00
1.4	16QAM	3	3	18.04	18.22	18.09	19.00
1.4	16QAM	6	0	17.97	18.26	18.15	19.00
1.4	64QAM	1	0	18.07	18.31	18.07	19.00
1.4	64QAM	1	3	18.06	18.35	18.08	19.00
1.4	64QAM	1	5	18.00	18.28	18.18	19.00
1.4	64QAM	3	0	18.02	18.22	17.99	19.00
1.4	64QAM	3	1	18.03	18.21	18.08	19.00
1.4	64QAM	3	3	18.11	18.23	18.08	19.00
1.4	64QAM	6	0	17.99	18.31	18.13	19.00

【LTE Band 71】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	20.49	20.73	20.55	21.00
20	QPSK	1	49	20.41	20.63	20.57	21.00
20	QPSK	1	99	20.50	20.66	20.49	21.00
20	QPSK	50	0	20.48	20.71	20.50	21.00
20	QPSK	50	24	20.51	20.65	20.55	21.00
20	QPSK	50	50	20.46	20.65	20.53	21.00
20	QPSK	100	0	20.49	20.66	20.53	21.00
20	16QAM	1	0	20.45	20.68	20.55	21.00
20	16QAM	1	49	20.50	20.62	20.54	21.00
20	16QAM	1	99	20.43	20.67	20.55	21.00
20	16QAM	50	0	20.48	20.66	20.58	21.00
20	16QAM	50	24	20.50	20.71	20.53	21.00
20	16QAM	50	50	20.47	20.64	20.46	21.00
20	16QAM	100	0	20.50	20.67	20.48	21.00
20	64QAM	1	0	20.49	20.68	20.52	21.00
20	64QAM	1	49	20.44	20.69	20.57	21.00
20	64QAM	1	99	20.52	20.69	20.53	21.00
20	64QAM	50	0	20.46	20.69	20.47	21.00
20	64QAM	50	24	20.51	20.63	20.50	21.00
20	64QAM	50	50	20.46	20.70	20.52	21.00
20	64QAM	100	0	20.51	20.67	20.52	21.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	20.44	20.68	20.47	21.00
15	QPSK	1	37	20.39	20.55	20.44	21.00
15	QPSK	1	74	20.41	20.51	20.36	21.00
15	QPSK	36	0	20.34	20.65	20.47	21.00
15	QPSK	36	20	20.37	20.50	20.51	21.00
15	QPSK	36	39	20.42	20.55	20.48	21.00
15	QPSK	75	0	20.38	20.62	20.44	21.00
15	16QAM	1	0	20.41	20.56	20.42	21.00
15	16QAM	1	37	20.43	20.61	20.49	21.00
15	16QAM	1	74	20.41	20.65	20.43	21.00
15	16QAM	36	0	20.37	20.58	20.55	21.00
15	16QAM	36	20	20.45	20.66	20.47	21.00
15	16QAM	36	39	20.39	20.52	20.32	21.00
15	16QAM	75	0	20.48	20.55	20.44	21.00
15	64QAM	1	0	20.42	20.62	20.45	21.00
15	64QAM	1	37	20.32	20.56	20.47	21.00
15	64QAM	1	74	20.39	20.62	20.42	21.00
15	64QAM	36	0	20.36	20.65	20.39	21.00
15	64QAM	36	20	20.41	20.48	20.46	21.00
15	64QAM	36	39	20.40	20.61	20.49	21.00
15	64QAM	75	0	20.46	20.61	20.47	21.00
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	20.43	20.64	20.52	21.00
10	QPSK	1	25	20.39	20.60	20.51	21.00
10	QPSK	1	49	20.48	20.56	20.41	21.00
10	QPSK	25	0	20.41	20.64	20.46	21.00
10	QPSK	25	12	20.42	20.58	20.43	21.00
10	QPSK	25	25	20.37	20.60	20.49	21.00
10	QPSK	50	0	20.42	20.62	20.45	21.00
10	16QAM	1	0	20.32	20.66	20.45	21.00
10	16QAM	1	25	20.43	20.57	20.46	21.00
10	16QAM	1	49	20.38	20.62	20.44	21.00
10	16QAM	25	0	20.34	20.53	20.44	21.00
10	16QAM	25	12	20.45	20.58	20.43	21.00
10	16QAM	25	25	20.39	20.62	20.34	21.00
10	16QAM	50	0	20.45	20.62	20.43	21.00
10	64QAM	1	0	20.37	20.55	20.45	21.00
10	64QAM	1	25	20.41	20.67	20.52	21.00
10	64QAM	1	49	20.47	20.67	20.38	21.00
10	64QAM	25	0	20.38	20.64	20.42	21.00
10	64QAM	25	12	20.45	20.54	20.42	21.00
10	64QAM	25	25	20.37	20.58	20.39	21.00
10	64QAM	50	0	20.39	20.65	20.40	21.00
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	

5	QPSK	1	0	20.36	20.70	20.49	21.00
5	QPSK	1	12	20.27	20.60	20.47	21.00
5	QPSK	1	24	20.48	20.59	20.36	21.00
5	QPSK	12	0	20.45	20.63	20.46	21.00
5	QPSK	12	7	20.50	20.58	20.48	21.00
5	QPSK	12	13	20.35	20.63	20.42	21.00
5	QPSK	25	0	20.36	20.56	20.51	21.00
5	16QAM	1	0	20.35	20.58	20.48	21.00
5	16QAM	1	12	20.36	20.49	20.39	21.00
5	16QAM	1	24	20.31	20.58	20.48	21.00
5	16QAM	12	0	20.37	20.54	20.43	21.00
5	16QAM	12	7	20.43	20.65	20.44	21.00
5	16QAM	12	13	20.41	20.57	20.40	21.00
5	16QAM	25	0	20.45	20.64	20.33	21.00
5	64QAM	1	0	20.46	20.64	20.45	21.00
5	64QAM	1	12	20.40	20.59	20.45	21.00
5	64QAM	1	24	20.45	20.60	20.40	21.00
5	64QAM	12	0	20.38	20.62	20.45	21.00
5	64QAM	12	7	20.44	20.60	20.47	21.00
5	64QAM	12	13	20.41	20.67	20.47	21.00
5	64QAM	25	0	20.39	20.64	20.48	21.00

<Bluetooth Conducted Power>

【Bluetooth】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	10.69	12.00	77.28
	39	2441	11.02	12.00	
	78	2480	10.37	11.50	
BR / EDR 2Mbps	0	2402	8.59	10.00	77.03
	39	2441	8.67	10.00	
	78	2480	8.23	9.50	
BR / EDR 3Mbps	0	2402	8.64	10.00	76.74
	39	2441	8.78	10.00	
	78	2480	8.25	9.50	
LE 1Mbps	0	2402	7.47	8.50	62.50
	19	2440	7.53	8.50	
	39	2480	6.90	8.00	

<WLAN Conducted Power>

【2.4GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	15.64	17.00	98.67
	6	2437	15.41	16.50	
	11	2462	15.94	17.00	
802.11g 6Mbps	1	2412	15.50	17.00	98.26
	6	2437	15.18	16.50	
	11	2462	14.58	15.50	
802.11n-HT20 MCS0	1	2412	14.56	15.50	98.13
	6	2437	15.03	16.00	
	11	2462	14.39	15.50	
802.11n-HT40 MCS0	3	2422	12.52	13.50	94.89
	6	2437	14.21	15.50	
	9	2452	13.91	15.00	
802.11ac-VHT20 MCS0	1	2412	14.60	16.00	98.15
	6	2437	15.07	16.00	
	11	2462	14.44	15.50	
802.11ac-VHT40 MCS0	3	2422	12.56	13.50	94.93
	6	2437	14.26	15.50	
	9	2452	13.93	15.00	

【5.2GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	14.77	16.00	98.26
	40	5200	14.79	16.00	
	44	5220	14.81	16.00	
	48	5240	14.82	16.00	
802.11n-HT20 MCS0	36	5180	14.75	16.00	98.14
	40	5200	14.76	16.00	
	44	5220	14.76	16.00	
	48	5240	14.74	16.00	
802.11n-HT40 MCS0	38	5190	13.74	15.00	96.30
	46	5230	15.30	16.00	
802.11ac-VHT20 MCS0	36	5180	14.51	16.00	98.15
	40	5200	14.55	16.00	
	44	5220	14.46	16.00	
	48	5240	14.39	16.00	
802.11ac-VHT40 MCS0	38	5190	13.71	15.00	96.30
	46	5230	14.63	16.00	
802.11ac-VHT80 MCS0	42	5210	11.16	12.50	92.17

【5.2GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	14.77	16.00	98.26
	40	5200	14.79	16.00	
	44	5220	14.81	16.00	
	48	5240	14.82	16.00	
802.11n-HT20 MCS0	36	5180	14.75	16.00	98.14
	40	5200	14.76	16.00	
	44	5220	14.76	16.00	
	48	5240	14.74	16.00	
802.11n-HT40 MCS0	38	5190	13.74	15.00	96.30
	46	5230	15.30	16.00	
802.11ac-VHT20 MCS0	36	5180	14.51	16.00	98.15
	40	5200	14.55	16.00	
	44	5220	14.46	16.00	
	48	5240	14.39	16.00	
802.11ac-VHT40 MCS0	38	5190	13.71	15.00	96.30
	46	5230	14.63	16.00	
802.11ac-VHT80 MCS0	42	5210	11.16	12.50	92.17

【5.3GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	14.04	15.00	98.26
	56	5280	14.10	15.00	
	60	5300	13.85	15.00	
	64	5320	13.41	15.00	
802.11n-HT20 MCS0	52	5260	14.02	15.00	98.14
	56	5280	14.01	15.00	
	60	5300	13.83	15.00	
	64	5320	13.39	15.00	
802.11n-HT40 MCS0	54	5270	14.53	15.50	96.30
	62	5310	13.76	15.00	
802.11ac-VHT20 MCS0	52	5260	13.91	15.00	98.15
	56	5280	13.86	15.00	
	60	5300	13.65	15.00	
	64	5320	13.32	15.00	
802.11ac-VHT40 MCS0	54	5270	14.36	15.50	96.30
	62	5310	13.71	15.00	
802.11ac-VHT80 MCS0	58	5290	9.88	11.00	92.17

【5.5GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	14.64	16.00	98.26
	116	5580	15.55	17.00	
	124	5620	15.70	17.00	
	132	5660	15.12	16.50	
	144	5720	14.90	16.00	
802.11n-HT20 MCS0	100	5500	14.52	16.00	98.14
	116	5580	15.42	16.00	
	124	5620	15.44	16.50	
	132	5660	14.93	16.50	
	144	5720	14.76	16.00	
802.11n-HT40 MCS0	102	5510	13.06	14.00	96.30
	110	5550	15.18	16.50	
	126	5630	14.91	16.00	
	134	5670	14.98	16.00	
	142	5710	14.82	16.00	
802.11ac-VHT20 MCS0	100	5500	13.81	15.00	98.15
	116	5580	14.29	15.50	
	124	5620	14.26	15.50	
	132	5660	14.33	15.50	
	144	5720	14.05	15.00	
802.11ac-VHT40 MCS0	102	5510	13.03	14.00	96.30
	110	5550	14.33	15.50	
	126	5630	14.20	15.50	
	134	5670	14.29	15.50	
	142	5710	14.04	15.50	
802.11ac-VHT80 MCS0	106	5530	10.26	11.50	92.17
	122	5610	13.57	14.50	
	138	5690	12.88	14.00	

【5.8GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	14.36	15.50	98.26
	157	5785	15.16	16.50	
	165	5825	14.79	16.00	
802.11n-HT20 MCS0	149	5745	14.12	15.50	98.14
	157	5785	14.96	16.00	
	165	5825	14.61	16.00	
802.11n-HT40 MCS0	151	5755	14.33	15.50	96.30
	159	5795	14.68	16.00	
802.11ac-VHT20 MCS0	149	5745	13.51	14.50	98.15
	157	5785	14.25	15.50	
	165	5825	14.05	15.50	
802.11ac-VHT40 MCS0	151	5755	13.69	15.00	96.30
	159	5795	14.00	15.00	
802.11ac-VHT80 MCS0	155	5775	12.99	14.00	92.17