

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	24.02	24.02	23.95	24.50
3GPP Rel 6	HSDPA Subtest-1	22.99	23.06	22.94	23.50
3GPP Rel 6	HSDPA Subtest-2	23.00	23.04	22.91	23.50
3GPP Rel 6	HSDPA Subtest-3	22.53	22.55	22.46	23.00
3GPP Rel 6	HSDPA Subtest-4	22.49	22.52	22.45	23.00
3GPP Rel 6	HSUPA Subtest-1	22.97	23.04	22.97	23.50
3GPP Rel 6	HSUPA Subtest-2	21.01	21.01	20.94	21.50
3GPP Rel 6	HSUPA Subtest-3	22.02	22.02	21.92	22.50
3GPP Rel 6	HSUPA Subtest-4	21.02	21.04	20.91	21.50
3GPP Rel 6	HSUPA Subtest-5	23.03	23.01	22.94	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.46	20.53	20.42	21.00

【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	23.79	23.81	23.58	24.50
3GPP Rel 6	HSDPA Subtest-1	22.81	22.84	22.58	23.50
3GPP Rel 6	HSDPA Subtest-2	22.78	22.78	22.56	23.50
3GPP Rel 6	HSDPA Subtest-3	22.28	22.33	22.07	23.00
3GPP Rel 6	HSDPA Subtest-4	22.25	22.32	22.09	23.00
3GPP Rel 6	HSUPA Subtest-1	22.74	22.80	22.54	23.50
3GPP Rel 6	HSUPA Subtest-2	20.80	20.83	20.61	21.50
3GPP Rel 6	HSUPA Subtest-3	21.80	21.83	21.61	22.50
3GPP Rel 6	HSUPA Subtest-4	20.80	20.83	20.61	21.50
3GPP Rel 6	HSUPA Subtest-5	22.80	22.83	22.61	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.30	20.33	20.11	21.00

【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	23.57	23.70	23.60	24.50
3GPP Rel 6	HSDPA Subtest-1	22.60	22.65	22.60	23.50
3GPP Rel 6	HSDPA Subtest-2	22.54	22.66	22.60	23.50
3GPP Rel 6	HSDPA Subtest-3	22.07	22.19	22.12	23.00
3GPP Rel 6	HSDPA Subtest-4	22.03	22.13	22.13	23.00
3GPP Rel 6	HSUPA Subtest-1	22.53	22.64	22.67	23.50
3GPP Rel 6	HSUPA Subtest-2	20.59	20.69	20.67	21.50
3GPP Rel 6	HSUPA Subtest-3	21.59	21.69	21.67	22.50
3GPP Rel 6	HSUPA Subtest-4	20.59	20.69	20.67	21.50
3GPP Rel 6	HSUPA Subtest-5	22.59	22.69	22.67	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.09	20.19	20.17	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	23.35	23.45	23.39	24.00
20	QPSK	1	49	23.08	23.31	23.16	24.00
20	QPSK	1	99	23.18	23.32	23.18	24.00
20	QPSK	50	0	22.38	22.49	22.39	23.00
20	QPSK	50	24	22.12	22.30	22.18	23.00
20	QPSK	50	50	22.20	22.34	22.13	23.00
20	QPSK	100	0	22.31	22.51	22.31	23.00
20	16QAM	1	0	21.94	22.17	22.06	23.00
20	16QAM	1	49	21.83	21.97	21.87	23.00
20	16QAM	1	99	21.75	21.98	21.84	23.00
20	16QAM	50	0	21.34	21.50	21.33	22.00
20	16QAM	50	24	21.07	21.30	21.22	22.00
20	16QAM	50	50	21.11	21.28	21.12	22.00
20	16QAM	100	0	21.22	21.43	21.29	22.00
20	64QAM	1	0	21.01	21.18	20.99	22.00
20	64QAM	1	49	20.92	21.03	20.96	22.00
20	64QAM	1	99	20.75	20.99	20.83	22.00
20	64QAM	50	0	20.50	20.69	20.57	21.00
20	64QAM	50	24	20.36	20.55	20.44	21.00
20	64QAM	50	50	20.39	20.56	20.39	21.00
20	64QAM	100	0	20.44	20.61	20.51	21.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.24	23.44	23.33	24.00
15	QPSK	1	37	22.95	23.23	23.03	24.00
15	QPSK	1	74	23.13	23.29	23.04	24.00
15	QPSK	36	0	22.27	22.40	22.26	23.00
15	QPSK	36	20	22.10	22.29	22.15	23.00
15	QPSK	36	39	22.16	22.33	22.01	23.00
15	QPSK	75	0	22.29	22.40	22.19	23.00
15	16QAM	1	0	21.92	22.02	22.05	23.00
15	16QAM	1	37	21.81	21.87	21.76	23.00
15	16QAM	1	74	21.73	21.93	21.74	23.00
15	16QAM	36	0	21.29	21.40	21.24	22.00
15	16QAM	36	20	20.95	21.17	21.17	22.00
15	16QAM	36	39	20.99	21.13	21.06	22.00
15	16QAM	75	0	21.20	21.41	21.15	22.00
15	64QAM	1	0	20.97	21.07	20.88	22.00
15	64QAM	1	37	20.89	20.98	20.83	22.00
15	64QAM	1	74	20.65	20.87	20.75	22.00
15	64QAM	36	0	20.37	20.59	20.52	21.00
15	64QAM	36	20	20.32	20.49	20.38	21.00
15	64QAM	36	39	20.35	20.51	20.26	21.00
15	64QAM	75	0	20.40	20.53	20.43	21.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.21	23.34	23.33	24.00
10	QPSK	1	25	23.04	23.27	23.07	24.00
10	QPSK	1	49	23.13	23.26	23.15	24.00
10	QPSK	25	0	22.28	22.44	22.31	23.00
10	QPSK	25	12	22.06	22.16	22.12	23.00
10	QPSK	25	25	22.17	22.25	22.05	23.00
10	QPSK	50	0	22.24	22.46	22.27	23.00
10	16QAM	1	0	21.83	22.15	21.99	23.00
10	16QAM	1	25	21.80	21.94	21.79	23.00
10	16QAM	1	49	21.70	21.95	21.71	23.00
10	16QAM	25	0	21.19	21.36	21.19	22.00
10	16QAM	25	12	20.98	21.23	21.13	22.00
10	16QAM	25	25	20.98	21.16	20.98	22.00
10	16QAM	50	0	21.15	21.36	21.20	22.00
10	64QAM	1	0	20.89	21.08	20.90	22.00
10	64QAM	1	25	20.80	21.00	20.86	22.00
10	64QAM	1	49	20.69	20.96	20.69	22.00
10	64QAM	25	0	20.47	20.61	20.51	21.00
10	64QAM	25	12	20.31	20.54	20.37	21.00
10	64QAM	25	25	20.27	20.55	20.30	21.00
10	64QAM	50	0	20.37	20.46	20.38	21.00
Channel				18625	18900	19175	Tune-up limit

Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.28	23.38	23.31	24.00
5	QPSK	1	12	23.03	23.24	23.08	24.00
5	QPSK	1	24	23.08	23.17	23.04	24.00
5	QPSK	12	0	22.31	22.42	22.34	23.00
5	QPSK	12	7	22.00	22.18	22.17	23.00
5	QPSK	12	13	22.06	22.29	22.11	23.00
5	QPSK	25	0	22.34	22.48	22.27	23.00
5	16QAM	1	0	21.88	22.10	22.04	23.00
5	16QAM	1	12	21.71	21.94	21.79	23.00
5	16QAM	1	24	21.67	21.84	21.71	23.00
5	16QAM	12	0	21.20	21.49	21.26	22.00
5	16QAM	12	7	21.04	21.29	21.20	22.00
5	16QAM	12	13	21.09	21.16	21.10	22.00
5	16QAM	25	0	21.18	21.38	21.18	22.00
5	64QAM	1	0	20.96	21.07	20.89	22.00
5	64QAM	1	12	20.88	20.95	20.83	22.00
5	64QAM	1	24	20.64	20.96	20.70	22.00
5	64QAM	12	0	20.38	20.59	20.55	21.00
5	64QAM	12	7	20.33	20.52	20.41	21.00
5	64QAM	12	13	20.30	20.43	20.37	21.00
5	64QAM	25	0	20.39	20.56	20.45	21.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.24	23.30	23.33	24.00
3	QPSK	1	8	22.96	23.27	23.11	24.00
3	QPSK	1	14	23.03	23.20	23.10	24.00
3	QPSK	8	0	22.33	22.42	22.35	23.00
3	QPSK	8	4	21.99	22.23	22.08	23.00
3	QPSK	8	7	22.12	22.26	22.07	23.00
3	QPSK	15	0	22.31	22.44	22.26	23.00
3	16QAM	1	0	21.90	22.12	21.98	23.00
3	16QAM	1	8	21.73	21.95	21.78	23.00
3	16QAM	1	14	21.68	21.94	21.70	23.00
3	16QAM	8	0	21.21	21.38	21.32	22.00
3	16QAM	8	4	20.98	21.25	21.20	22.00
3	16QAM	8	7	21.01	21.21	21.04	22.00
3	16QAM	15	0	21.19	21.39	21.18	22.00
3	64QAM	1	0	20.92	21.13	20.86	22.00
3	64QAM	1	8	20.90	20.92	20.93	22.00
3	64QAM	1	14	20.69	20.88	20.77	22.00
3	64QAM	8	0	20.36	20.64	20.55	21.00
3	64QAM	8	4	20.29	20.44	20.34	21.00
3	64QAM	8	7	20.32	20.52	20.32	21.00
3	64QAM	15	0	20.32	20.52	20.42	21.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.20	23.39	23.26	24.00
1.4	QPSK	1	3	23.06	23.18	23.08	24.00
1.4	QPSK	1	5	23.07	23.19	23.15	24.00
1.4	QPSK	3	0	23.35	23.42	23.38	24.00
1.4	QPSK	3	1	23.01	23.18	23.10	24.00
1.4	QPSK	3	3	23.12	23.26	23.11	24.00
1.4	QPSK	6	0	22.32	22.39	22.29	23.00
1.4	16QAM	1	0	21.91	22.08	21.96	23.00
1.4	16QAM	1	3	21.74	21.84	21.78	23.00
1.4	16QAM	1	5	21.61	21.87	21.74	23.00
1.4	16QAM	3	0	22.19	22.39	22.18	23.00
1.4	16QAM	3	1	22.03	22.18	22.10	23.00
1.4	16QAM	3	3	22.05	22.19	21.99	23.00
1.4	16QAM	6	0	21.19	21.42	21.22	22.00
1.4	64QAM	1	0	20.92	21.04	20.98	22.00
1.4	64QAM	1	3	20.84	20.91	20.90	22.00
1.4	64QAM	1	5	20.74	20.91	20.73	22.00
1.4	64QAM	3	0	21.43	21.57	21.46	22.00
1.4	64QAM	3	1	21.32	21.41	21.32	22.00
1.4	64QAM	3	3	21.26	21.52	21.28	22.00
1.4	64QAM	6	0	20.31	20.50	20.48	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)
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Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.37	23.44	23.33	24.00
20	QPSK	1	49	23.22	23.30	23.17	24.00
20	QPSK	1	99	23.17	23.27	23.09	24.00
20	QPSK	50	0	22.28	22.46	22.27	23.00
20	QPSK	50	24	22.08	22.27	22.05	23.00
20	QPSK	50	50	22.05	22.23	21.99	23.00
20	QPSK	100	0	22.20	22.45	22.13	23.00
20	16QAM	1	0	21.91	22.12	21.96	23.00
20	16QAM	1	49	21.78	21.96	21.84	23.00
20	16QAM	1	99	21.79	21.99	21.80	23.00
20	16QAM	50	0	21.30	21.45	21.23	22.00
20	16QAM	50	24	21.07	21.25	21.01	22.00
20	16QAM	50	50	21.09	21.24	21.07	22.00
20	16QAM	100	0	21.25	21.37	21.23	22.00
20	64QAM	1	0	21.03	21.12	20.96	22.00
20	64QAM	1	49	20.82	20.99	20.84	22.00
20	64QAM	1	99	20.81	20.95	20.79	22.00
20	64QAM	50	0	20.52	20.65	20.50	21.00
20	64QAM	50	24	20.37	20.50	20.37	21.00
20	64QAM	50	50	20.40	20.49	20.30	21.00
20	64QAM	100	0	20.44	20.58	20.37	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.31	23.31	23.23	24.00
15	QPSK	1	37	23.14	23.26	23.05	24.00
15	QPSK	1	74	23.15	23.16	22.96	24.00
15	QPSK	36	0	22.22	22.33	22.17	23.00
15	QPSK	36	20	22.04	22.17	22.03	23.00
15	QPSK	36	39	22.01	22.21	21.90	23.00
15	QPSK	75	0	22.27	22.34	22.25	23.00
15	16QAM	1	0	21.82	22.10	21.90	23.00
15	16QAM	1	37	21.65	21.83	21.75	23.00
15	16QAM	1	74	21.77	21.87	21.72	23.00
15	16QAM	36	0	21.29	21.40	21.22	22.00
15	16QAM	36	20	20.99	21.13	20.91	22.00
15	16QAM	36	39	20.99	21.14	21.00	22.00
15	16QAM	75	0	21.15	21.33	21.11	22.00
15	64QAM	1	0	21.02	20.97	20.88	22.00
15	64QAM	1	37	20.71	20.90	20.75	22.00
15	64QAM	1	74	20.74	20.81	20.74	22.00
15	64QAM	36	0	20.47	20.54	20.38	21.00
15	64QAM	36	20	20.26	20.49	20.29	21.00
15	64QAM	36	39	20.39	20.38	20.26	21.00
15	64QAM	75	0	20.37	20.52	20.28	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.30	23.31	23.32	24.00
10	QPSK	1	25	23.07	23.20	23.06	24.00
10	QPSK	1	49	23.15	23.13	22.97	24.00
10	QPSK	25	0	22.25	22.44	22.25	23.00
10	QPSK	25	12	21.98	22.14	21.98	23.00
10	QPSK	25	25	22.00	22.22	21.88	23.00
10	QPSK	50	0	22.18	22.41	22.15	23.00
10	16QAM	1	0	21.87	21.98	21.86	23.00
10	16QAM	1	25	21.72	21.93	21.80	23.00
10	16QAM	1	49	21.65	21.92	21.78	23.00
10	16QAM	25	0	21.29	21.31	21.20	22.00
10	16QAM	25	12	21.04	21.14	20.89	22.00
10	16QAM	25	25	21.03	21.21	21.01	22.00
10	16QAM	50	0	21.18	21.34	21.15	22.00
10	64QAM	1	0	20.88	21.00	20.87	22.00
10	64QAM	1	25	20.74	20.87	20.72	22.00
10	64QAM	1	49	20.77	20.84	20.65	22.00
10	64QAM	25	0	20.48	20.62	20.42	21.00
10	64QAM	25	12	20.23	20.45	20.22	21.00
10	64QAM	25	25	20.29	20.39	20.28	21.00
10	64QAM	50	0	20.39	20.46	20.29	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.36	23.33	23.25	24.00
5	QPSK	1	12	23.16	23.26	23.09	24.00
5	QPSK	1	24	23.08	23.26	23.06	24.00
5	QPSK	12	0	22.26	22.36	22.16	23.00
5	QPSK	12	7	21.94	22.16	22.00	23.00
5	QPSK	12	13	21.97	22.10	21.95	23.00
5	QPSK	25	0	22.21	22.35	22.24	23.00

5	16QAM	1	0	21.88	22.01	21.90	23.00
5	16QAM	1	12	21.67	21.90	21.81	23.00
5	16QAM	1	24	21.65	21.90	21.73	23.00
5	16QAM	12	0	21.23	21.36	21.22	22.00
5	16QAM	12	7	21.06	21.18	20.94	22.00
5	16QAM	12	13	21.03	21.15	20.99	22.00
5	16QAM	25	0	21.15	21.31	21.12	22.00
5	64QAM	1	0	20.89	20.99	20.86	22.00
5	64QAM	1	12	20.72	20.97	20.70	22.00
5	64QAM	1	24	20.74	20.83	20.68	22.00
5	64QAM	12	0	20.49	20.53	20.41	21.00
5	64QAM	12	7	20.31	20.41	20.27	21.00
5	64QAM	12	13	20.32	20.45	20.25	21.00
5	64QAM	25	0	20.29	20.55	20.36	21.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.28	23.33	23.27	24.00
3	QPSK	1	8	23.16	23.22	23.04	24.00
3	QPSK	1	14	23.09	23.21	23.08	24.00
3	QPSK	8	0	22.22	22.31	22.22	23.00
3	QPSK	8	4	22.01	22.15	21.92	23.00
3	QPSK	8	7	22.04	22.20	21.97	23.00
3	QPSK	15	0	22.26	22.33	22.19	23.00
3	16QAM	1	0	21.82	22.02	21.88	23.00
3	16QAM	1	8	21.69	21.86	21.75	23.00
3	16QAM	1	14	21.70	21.90	21.67	23.00
3	16QAM	8	0	21.18	21.31	21.17	22.00
3	16QAM	8	4	20.94	21.15	20.89	22.00
3	16QAM	8	7	20.98	21.10	21.06	22.00
3	16QAM	15	0	21.24	21.32	21.20	22.00
3	64QAM	1	0	20.96	21.02	20.85	22.00
3	64QAM	1	8	20.67	20.84	20.76	22.00
3	64QAM	1	14	20.66	20.85	20.73	22.00
3	64QAM	8	0	20.40	20.61	20.49	21.00
3	64QAM	8	4	20.32	20.35	20.27	21.00
3	64QAM	8	7	20.35	20.45	20.27	21.00
3	64QAM	15	0	20.38	20.54	20.27	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.22	23.42	23.18	24.00
1.4	QPSK	1	3	23.14	23.17	23.05	24.00
1.4	QPSK	1	5	23.11	23.25	23.05	24.00
1.4	QPSK	3	0	23.25	23.34	23.19	24.00
1.4	QPSK	3	1	23.05	23.17	22.96	24.00
1.4	QPSK	3	3	22.91	23.20	22.87	24.00
1.4	QPSK	6	0	22.16	22.31	22.18	23.00
1.4	16QAM	1	0	21.86	22.01	21.92	23.00
1.4	16QAM	1	3	21.66	21.89	21.82	23.00
1.4	16QAM	1	5	21.71	21.90	21.69	23.00
1.4	16QAM	3	0	22.29	22.30	22.12	23.00
1.4	16QAM	3	1	22.00	22.23	22.00	23.00
1.4	16QAM	3	3	21.99	22.14	22.06	23.00
1.4	16QAM	6	0	21.12	21.31	21.19	22.00
1.4	64QAM	1	0	20.90	21.08	20.88	22.00
1.4	64QAM	1	3	20.67	20.93	20.76	22.00
1.4	64QAM	1	5	20.77	20.83	20.68	22.00
1.4	64QAM	3	0	21.40	21.50	21.35	22.00
1.4	64QAM	3	1	21.23	21.46	21.26	22.00
1.4	64QAM	3	3	21.38	21.45	21.22	22.00
1.4	64QAM	6	0	20.40	20.55	20.32	21.00

【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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.37	23.38	23.35	24.00
10	QPSK	1	25	23.16	23.30	23.20	24.00
10	QPSK	1	49	23.15	23.26	23.12	24.00
10	QPSK	25	0	22.32	22.44	22.33	23.00
10	QPSK	25	12	22.15	22.24	22.07	23.00
10	QPSK	25	25	22.10	22.25	22.08	23.00

10	QPSK	50	0	22.19	22.34	22.26	23.00
10	16QAM	1	0	21.98	22.12	21.94	23.00
10	16QAM	1	25	21.81	21.93	21.89	23.00
10	16QAM	1	49	21.85	21.95	21.87	23.00
10	16QAM	25	0	21.30	21.44	21.36	22.00
10	16QAM	25	12	21.13	21.24	21.20	22.00
10	16QAM	25	25	21.19	21.25	21.09	22.00
10	16QAM	50	0	21.26	21.36	21.29	22.00
10	64QAM	1	0	21.03	21.10	20.97	22.00
10	64QAM	1	25	20.91	21.01	20.95	22.00
10	64QAM	1	49	20.89	20.98	20.81	22.00
10	64QAM	25	0	20.55	20.69	20.65	21.00
10	64QAM	25	12	20.44	20.51	20.46	21.00
10	64QAM	25	25	20.44	20.51	20.45	21.00
10	64QAM	50	0	20.46	20.61	20.52	21.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.35	23.28	23.20	24.00
5	QPSK	1	12	23.12	23.22	23.19	24.00
5	QPSK	1	24	23.13	23.18	23.00	24.00
5	QPSK	12	0	22.19	22.30	22.26	23.00
5	QPSK	12	7	22.14	22.11	22.05	23.00
5	QPSK	12	13	22.00	22.23	22.03	23.00
5	QPSK	25	0	22.08	22.25	22.12	23.00
5	16QAM	1	0	21.84	21.98	21.87	23.00
5	16QAM	1	12	21.76	21.85	21.76	23.00
5	16QAM	1	24	21.83	21.83	21.83	23.00
5	16QAM	12	0	21.25	21.32	21.34	22.00
5	16QAM	12	7	21.09	21.09	21.07	22.00
5	16QAM	12	13	21.13	21.16	21.05	22.00
5	16QAM	25	0	21.23	21.26	21.16	22.00
5	64QAM	1	0	21.01	21.05	20.88	22.00
5	64QAM	1	12	20.83	20.95	20.93	22.00
5	64QAM	1	24	20.87	20.88	20.76	22.00
5	64QAM	12	0	20.43	20.56	20.54	21.00
5	64QAM	12	7	20.39	20.47	20.39	21.00
5	64QAM	12	13	20.33	20.44	20.43	21.00
5	64QAM	25	0	20.31	20.57	20.50	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.25	23.26	23.27	24.00
3	QPSK	1	8	23.10	23.20	23.08	24.00
3	QPSK	1	14	23.06	23.13	23.04	24.00
3	QPSK	8	0	22.19	22.32	22.31	23.00
3	QPSK	8	4	22.08	22.20	22.02	23.00
3	QPSK	8	7	22.05	22.18	22.00	23.00
3	QPSK	15	0	22.05	22.21	22.24	23.00
3	16QAM	1	0	21.87	22.06	21.85	23.00
3	16QAM	1	8	21.68	21.89	21.86	23.00
3	16QAM	1	14	21.79	21.81	21.83	23.00
3	16QAM	8	0	21.21	21.42	21.22	22.00
3	16QAM	8	4	21.00	21.20	21.10	22.00
3	16QAM	8	7	21.07	21.13	20.95	22.00
3	16QAM	15	0	21.23	21.23	21.19	22.00
3	64QAM	1	0	20.89	21.05	20.93	22.00
3	64QAM	1	8	20.90	20.88	20.91	22.00
3	64QAM	1	14	20.86	20.88	20.69	22.00
3	64QAM	8	0	20.50	20.59	20.64	21.00
3	64QAM	8	4	20.33	20.43	20.42	21.00
3	64QAM	8	7	20.37	20.42	20.33	21.00
3	64QAM	15	0	20.40	20.58	20.41	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.29	23.32	23.30	24.00
1.4	QPSK	1	3	23.12	23.19	23.09	24.00
1.4	QPSK	1	5	23.08	23.21	23.00	24.00
1.4	QPSK	3	0	23.24	23.37	23.30	24.00
1.4	QPSK	3	1	23.10	23.16	23.05	24.00
1.4	QPSK	3	3	22.98	23.23	22.94	24.00
1.4	QPSK	6	0	22.05	22.29	22.15	23.00
1.4	16QAM	1	0	21.89	22.10	21.84	23.00
1.4	16QAM	1	3	21.75	21.79	21.81	23.00
1.4	16QAM	1	5	21.72	21.86	21.83	23.00
1.4	16QAM	3	0	22.24	22.40	22.22	23.00
1.4	16QAM	3	1	22.11	22.10	22.13	23.00
1.4	16QAM	3	3	22.15	22.17	22.03	23.00
1.4	16QAM	6	0	21.14	21.22	21.14	22.00
1.4	64QAM	1	0	20.97	21.04	20.95	22.00

1.4	64QAM	1	3	20.81	20.97	20.88	22.00
1.4	64QAM	1	5	20.78	20.88	20.70	22.00
1.4	64QAM	3	0	21.45	21.56	21.53	22.00
1.4	64QAM	3	1	21.38	21.40	21.38	22.00
1.4	64QAM	3	3	21.30	21.37	21.40	22.00
1.4	64QAM	6	0	20.43	20.48	20.50	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	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.41	23.44	23.35	24.00
20	QPSK	1	49	23.24	23.29	23.08	24.00
20	QPSK	1	99	23.14	23.28	23.17	24.00
20	QPSK	50	0	22.35	22.46	22.34	23.00
20	QPSK	50	24	22.24	22.32	22.12	23.00
20	QPSK	50	50	22.19	22.27	22.11	23.00
20	QPSK	100	0	22.18	22.32	22.14	23.00
20	16QAM	1	0	22.10	22.22	22.02	23.00
20	16QAM	1	49	21.85	22.00	21.83	23.00
20	16QAM	1	99	21.88	22.00	21.90	23.00
20	16QAM	50	0	21.10	21.20	21.10	22.00
20	16QAM	50	24	20.88	20.96	20.77	22.00
20	16QAM	50	50	20.94	21.02	20.87	22.00
20	16QAM	100	0	20.99	21.09	20.95	22.00
20	64QAM	1	0	20.76	20.86	20.72	22.00
20	64QAM	1	49	20.58	20.74	20.56	22.00
20	64QAM	1	99	20.59	20.72	20.60	22.00
20	64QAM	50	0	20.25	20.42	20.28	21.00
20	64QAM	50	24	20.10	20.21	20.04	21.00
20	64QAM	50	50	20.09	20.19	20.07	21.00
20	64QAM	100	0	20.20	20.37	20.15	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.30	23.34	23.20	24.00
15	QPSK	1	37	23.22	23.20	23.00	24.00
15	QPSK	1	74	23.04	23.16	23.09	24.00
15	QPSK	36	0	22.29	22.31	22.21	23.00
15	QPSK	36	20	22.23	22.22	22.06	23.00
15	QPSK	36	39	22.10	22.13	22.07	23.00
15	QPSK	75	0	22.06	22.24	22.06	23.00
15	16QAM	1	0	22.01	22.17	21.94	23.00
15	16QAM	1	37	21.73	21.86	21.79	23.00
15	16QAM	1	74	21.81	21.86	21.81	23.00
15	16QAM	36	0	20.97	21.15	21.00	22.00
15	16QAM	36	20	20.80	20.95	20.67	22.00
15	16QAM	36	39	20.90	20.87	20.85	22.00
15	16QAM	75	0	20.85	20.98	20.89	22.00
15	64QAM	1	0	20.63	20.83	20.68	22.00
15	64QAM	1	37	20.47	20.66	20.47	22.00
15	64QAM	1	74	20.57	20.66	20.48	22.00
15	64QAM	36	0	20.14	20.35	20.25	21.00
15	64QAM	36	20	20.07	20.11	19.97	21.00
15	64QAM	36	39	20.03	20.15	20.00	21.00
15	64QAM	75	0	20.15	20.23	20.05	21.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.29	23.40	23.21	24.00
10	QPSK	1	25	23.23	23.15	22.94	24.00
10	QPSK	1	49	23.13	23.20	23.15	24.00
10	QPSK	25	0	22.34	22.44	22.24	23.00
10	QPSK	25	12	22.18	22.18	22.00	23.00
10	QPSK	25	25	22.15	22.18	21.99	23.00
10	QPSK	50	0	22.07	22.19	22.07	23.00
10	16QAM	1	0	22.07	22.09	21.92	23.00
10	16QAM	1	25	21.73	21.91	21.68	23.00
10	16QAM	1	49	21.81	21.94	21.86	23.00
10	16QAM	25	0	21.04	21.18	20.96	22.00
10	16QAM	25	12	20.86	20.95	20.67	22.00
10	16QAM	25	25	20.82	20.89	20.77	22.00
10	16QAM	50	0	20.87	20.95	20.83	22.00
10	64QAM	1	0	20.73	20.77	20.58	22.00
10	64QAM	1	25	20.56	20.61	20.54	22.00
10	64QAM	1	49	20.53	20.67	20.55	22.00
10	64QAM	25	0	20.18	20.31	20.20	21.00
10	64QAM	25	12	20.02	20.09	19.94	21.00

10	64QAM	25	25	20.06	20.05	19.96	21.00
10	64QAM	50	0	20.07	20.27	20.01	21.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.28	23.35	23.21	24.00
5	QPSK	1	12	23.16	23.25	23.03	24.00
5	QPSK	1	24	23.06	23.21	23.10	24.00
5	QPSK	12	0	22.26	22.39	22.33	23.00
5	QPSK	12	7	22.13	22.21	22.10	23.00
5	QPSK	12	13	22.04	22.24	22.09	23.00
5	QPSK	25	0	22.06	22.27	22.08	23.00
5	16QAM	1	0	21.97	22.13	21.87	23.00
5	16QAM	1	12	21.79	21.94	21.74	23.00
5	16QAM	1	24	21.86	21.94	21.77	23.00
5	16QAM	12	0	21.08	21.05	21.05	22.00
5	16QAM	12	7	20.79	20.89	20.73	22.00
5	16QAM	12	13	20.86	20.92	20.76	22.00
5	16QAM	25	0	20.88	20.96	20.90	22.00
5	64QAM	1	0	20.67	20.73	20.69	22.00
5	64QAM	1	12	20.57	20.64	20.47	22.00
5	64QAM	1	24	20.51	20.64	20.56	22.00
5	64QAM	12	0	20.19	20.39	20.22	21.00
5	64QAM	12	7	20.04	20.15	19.91	21.00
5	64QAM	12	13	19.99	20.16	19.93	21.00
5	64QAM	25	0	20.11	20.26	20.00	21.00

【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	23.18	23.24	23.15	24.00
10	QPSK	1	25	22.95	23.11	22.94	24.00
10	QPSK	1	49	23.05	23.15	22.94	24.00
10	QPSK	25	0	22.18	22.30	22.23	23.00
10	QPSK	25	12	22.01	22.16	22.00	23.00
10	QPSK	25	25	21.96	22.10	22.00	23.00
10	QPSK	50	0	21.97	22.16	21.95	23.00
10	16QAM	1	0	21.91	22.04	21.85	23.00
10	16QAM	1	25	21.66	21.79	21.62	23.00
10	16QAM	1	49	21.67	21.85	21.74	23.00
10	16QAM	25	0	20.83	21.03	20.88	22.00
10	16QAM	25	12	20.70	20.82	20.60	22.00
10	16QAM	25	25	20.64	20.81	20.68	22.00
10	16QAM	50	0	20.79	20.88	20.72	22.00
10	64QAM	1	0	20.53	20.70	20.48	22.00
10	64QAM	1	25	20.36	20.52	20.36	22.00
10	64QAM	1	49	20.52	20.59	20.37	22.00
10	64QAM	25	0	20.12	20.26	20.14	21.00
10	64QAM	25	12	19.98	20.06	19.91	21.00
10	64QAM	25	25	19.96	20.08	19.87	21.00
10	64QAM	50	0	20.08	20.19	19.97	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.14	23.11	23.09	24.00
5	QPSK	1	12	22.84	23.09	22.83	24.00
5	QPSK	1	24	22.99	23.01	22.85	24.00
5	QPSK	12	0	22.04	22.20	22.10	23.00
5	QPSK	12	7	21.87	22.14	21.98	23.00
5	QPSK	12	13	21.94	21.96	21.88	23.00
5	QPSK	25	0	21.93	22.10	21.87	23.00
5	16QAM	1	0	21.89	21.89	21.72	23.00
5	16QAM	1	12	21.58	21.65	21.51	23.00
5	16QAM	1	24	21.61	21.72	21.72	23.00
5	16QAM	12	0	20.71	20.96	20.87	22.00
5	16QAM	12	7	20.59	20.70	20.47	22.00
5	16QAM	12	13	20.62	20.77	20.57	22.00
5	16QAM	25	0	20.68	20.79	20.59	22.00
5	64QAM	1	0	20.41	20.63	20.39	22.00
5	64QAM	1	12	20.34	20.51	20.32	22.00
5	64QAM	1	24	20.41	20.46	20.29	22.00
5	64QAM	12	0	19.98	20.20	20.04	21.00

5	64QAM	12	7	19.85	20.03	19.81	21.00
5	64QAM	12	13	19.90	19.95	19.73	21.00
5	64QAM	25	0	19.96	20.07	19.92	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.12	23.16	23.10	24.00
3	QPSK	1	8	22.82	23.04	22.85	24.00
3	QPSK	1	14	22.90	23.01	22.86	24.00
3	QPSK	8	0	22.12	22.21	22.21	23.00
3	QPSK	8	4	21.98	22.13	21.88	23.00
3	QPSK	8	7	21.90	22.07	21.94	23.00
3	QPSK	15	0	21.93	22.04	21.86	23.00
3	16QAM	1	0	21.87	21.97	21.82	23.00
3	16QAM	1	8	21.61	21.75	21.50	23.00
3	16QAM	1	14	21.59	21.76	21.59	23.00
3	16QAM	8	0	20.80	20.91	20.74	22.00
3	16QAM	8	4	20.64	20.71	20.53	22.00
3	16QAM	8	7	20.57	20.76	20.55	22.00
3	16QAM	15	0	20.71	20.74	20.69	22.00
3	64QAM	1	0	20.50	20.67	20.35	22.00
3	64QAM	1	8	20.31	20.39	20.28	22.00
3	64QAM	1	14	20.49	20.55	20.33	22.00
3	64QAM	8	0	20.04	20.22	20.08	21.00
3	64QAM	8	4	19.86	19.91	19.79	21.00
3	64QAM	8	7	19.83	20.00	19.73	21.00
3	64QAM	15	0	19.98	20.11	19.89	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.10	23.14	23.01	24.00
1.4	QPSK	1	3	22.91	23.02	22.86	24.00
1.4	QPSK	1	5	23.02	23.13	22.91	24.00
1.4	QPSK	3	0	23.12	23.23	23.14	24.00
1.4	QPSK	3	1	22.98	23.03	22.98	24.00
1.4	QPSK	3	3	22.85	22.95	22.98	24.00
1.4	QPSK	6	0	21.87	22.12	21.90	23.00
1.4	16QAM	1	0	21.86	21.94	21.76	23.00
1.4	16QAM	1	3	21.63	21.76	21.54	23.00
1.4	16QAM	1	5	21.53	21.82	21.61	23.00
1.4	16QAM	3	0	21.76	21.90	21.76	23.00
1.4	16QAM	3	1	21.56	21.69	21.56	23.00
1.4	16QAM	3	3	21.62	21.78	21.64	23.00
1.4	16QAM	6	0	20.74	20.74	20.67	22.00
1.4	64QAM	1	0	20.49	20.59	20.36	22.00
1.4	64QAM	1	3	20.24	20.42	20.24	22.00
1.4	64QAM	1	5	20.44	20.49	20.24	22.00
1.4	64QAM	3	0	21.02	21.16	21.11	22.00
1.4	64QAM	3	1	20.89	21.03	20.79	22.00
1.4	64QAM	3	3	20.93	20.94	20.72	22.00
1.4	64QAM	6	0	20.05	20.14	19.90	21.00

【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		23.23		24.00
10	QPSK	1	25		23.14		24.00
10	QPSK	1	49		23.16		24.00
10	QPSK	25	0		22.33		23.00
10	QPSK	25	12		22.14		23.00
10	QPSK	25	25		22.12		23.00
10	QPSK	50	0		22.14		23.00
10	16QAM	1	0		22.01		23.00
10	16QAM	1	25		21.78		23.00
10	16QAM	1	49		21.82		23.00
10	16QAM	25	0		21.04		22.00
10	16QAM	25	12		20.80		22.00
10	16QAM	25	25		20.82		22.00
10	16QAM	50	0		20.91		22.00
10	64QAM	1	0		20.68		22.00
10	64QAM	1	25		20.53		22.00
10	64QAM	1	49		20.56		22.00

10	64QAM	25	0		20.27		21.00
10	64QAM	25	12		20.09		21.00
10	64QAM	25	25		20.06		21.00
10	64QAM	50	0		20.18		21.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.21	23.25	23.23	24.00
5	QPSK	1	12	23.05	23.12	23.06	24.00
5	QPSK	1	24	23.11	23.10	23.05	24.00
5	QPSK	12	0	22.25	22.29	22.26	23.00
5	QPSK	12	7	22.09	22.09	22.09	23.00
5	QPSK	12	13	22.10	22.09	22.08	23.00
5	QPSK	25	0	22.12	22.12	22.10	23.00
5	16QAM	1	0	21.96	21.96	21.95	23.00
5	16QAM	1	12	21.75	21.75	21.74	23.00
5	16QAM	1	24	21.76	21.76	21.77	23.00
5	16QAM	12	0	20.99	20.95	20.99	22.00
5	16QAM	12	7	20.75	20.74	20.72	22.00
5	16QAM	12	13	20.79	20.82	20.78	22.00
5	16QAM	25	0	20.89	20.86	20.86	22.00
5	64QAM	1	0	20.66	20.63	20.67	22.00
5	64QAM	1	12	20.47	20.49	20.45	22.00
5	64QAM	1	24	20.55	20.51	20.50	22.00
5	64QAM	12	0	20.16	20.19	20.19	21.00
5	64QAM	12	7	20.06	20.06	20.04	21.00
5	64QAM	12	13	20.03	19.99	20.02	21.00
5	64QAM	25	0	20.10	20.11	20.13	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		23.18		24.00
10	QPSK	1	25		23.12		24.00
10	QPSK	1	49		23.09		24.00
10	QPSK	25	0		22.27		23.00
10	QPSK	25	12		22.10		23.00
10	QPSK	25	25		22.04		23.00
10	QPSK	50	0		22.12		23.00
10	16QAM	1	0		21.96		23.00
10	16QAM	1	25		21.78		23.00
10	16QAM	1	49		21.73		23.00
10	16QAM	25	0		21.00		22.00
10	16QAM	25	12		20.76		22.00
10	16QAM	25	25		20.82		22.00
10	16QAM	50	0		20.88		22.00
10	64QAM	1	0		20.67		22.00
10	64QAM	1	25		20.49		22.00
10	64QAM	1	49		20.48		22.00
10	64QAM	25	0		20.19		21.00
10	64QAM	25	12		19.99		21.00
10	64QAM	25	25		20.05		21.00
10	64QAM	50	0		20.15		21.00
Channel				23305	23330	23355	Tune-up limit
Frequency (MHz)				790.5	793	795.5	(dBm)
5	QPSK	1	0	23.15	23.19	23.18	24.00
5	QPSK	1	12	23.01	23.04	23.02	24.00
5	QPSK	1	24	22.99	23.06	23.00	24.00
5	QPSK	12	0	22.18	22.25	22.26	23.00
5	QPSK	12	7	22.01	22.03	22.01	23.00
5	QPSK	12	13	22.05	22.01	22.04	23.00
5	QPSK	25	0	22.04	22.09	22.09	23.00
5	16QAM	1	0	21.92	21.96	21.92	23.00
5	16QAM	1	12	21.74	21.68	21.73	23.00
5	16QAM	1	24	21.73	21.69	21.68	23.00
5	16QAM	12	0	20.94	20.91	20.89	22.00
5	16QAM	12	7	20.67	20.68	20.69	22.00
5	16QAM	12	13	20.72	20.72	20.69	22.00
5	16QAM	25	0	20.79	20.80	20.79	22.00
5	64QAM	1	0	20.63	20.58	20.60	22.00
5	64QAM	1	12	20.41	20.43	20.47	22.00

5	64QAM	1	24	20.49	20.48	20.49	22.00
5	64QAM	12	0	20.17	20.14	20.16	21.00
5	64QAM	12	7	19.97	19.97	19.95	21.00
5	64QAM	12	13	19.92	19.92	19.98	21.00
5	64QAM	25	0	20.05	20.10	20.08	21.00

【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	23.33	23.36	23.28	24.00
10	QPSK	1	25	23.07	23.21	23.10	24.00
10	QPSK	1	49	23.09	23.26	23.15	24.00
10	QPSK	25	0	22.34	22.39	22.27	23.00
10	QPSK	25	12	22.09	22.26	22.12	23.00
10	QPSK	25	25	22.10	22.23	22.13	23.00
10	QPSK	50	0	22.15	22.25	22.12	23.00
10	16QAM	1	0	21.96	22.10	21.89	23.00
10	16QAM	1	25	21.76	21.94	21.85	23.00
10	16QAM	1	49	21.85	21.91	21.79	23.00
10	16QAM	25	0	21.10	21.15	20.97	22.00
10	16QAM	25	12	20.84	20.89	20.77	22.00
10	16QAM	25	25	20.80	20.93	20.71	22.00
10	16QAM	50	0	20.85	20.97	20.84	22.00
10	64QAM	1	0	20.77	20.83	20.63	22.00
10	64QAM	1	25	20.62	20.66	20.50	22.00
10	64QAM	1	49	20.51	20.67	20.47	22.00
10	64QAM	25	0	20.30	20.35	20.19	21.00
10	64QAM	25	12	20.04	20.17	19.97	21.00
10	64QAM	25	25	20.09	20.18	20.04	21.00
10	64QAM	50	0	20.19	20.31	20.21	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.25	23.32	23.15	24.00
5	QPSK	1	12	22.95	23.19	23.07	24.00
5	QPSK	1	24	23.03	23.13	23.06	24.00
5	QPSK	12	0	22.32	22.30	22.19	23.00
5	QPSK	12	7	21.95	22.15	22.10	23.00
5	QPSK	12	13	21.98	22.20	22.01	23.00
5	QPSK	25	0	22.12	22.15	22.06	23.00
5	16QAM	1	0	21.89	22.00	21.79	23.00
5	16QAM	1	12	21.65	21.84	21.74	23.00
5	16QAM	1	24	21.76	21.85	21.77	23.00
5	16QAM	12	0	20.99	21.00	20.86	22.00
5	16QAM	12	7	20.74	20.81	20.67	22.00
5	16QAM	12	13	20.76	20.89	20.58	22.00
5	16QAM	25	0	20.71	20.94	20.81	22.00
5	64QAM	1	0	20.75	20.74	20.53	22.00
5	64QAM	1	12	20.56	20.51	20.36	22.00
5	64QAM	1	24	20.38	20.56	20.42	22.00
5	64QAM	12	0	20.26	20.28	20.11	21.00
5	64QAM	12	7	19.92	20.10	19.88	21.00
5	64QAM	12	13	19.94	20.08	20.03	21.00
5	64QAM	25	0	20.16	20.21	20.18	21.00

【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	23.53	23.57	23.48	24.00
20	QPSK	1	49	23.27	23.41	23.30	24.00
20	QPSK	1	99	23.29	23.44	23.22	24.00
20	QPSK	50	0	22.54	22.59	22.53	23.00
20	QPSK	50	24	22.23	22.40	22.17	23.00
20	QPSK	50	50	22.34	22.42	22.29	23.00
20	QPSK	100	0	22.29	22.47	22.28	23.00
20	16QAM	1	0	22.21	22.29	22.14	23.00
20	16QAM	1	49	21.98	22.11	22.01	23.00
20	16QAM	1	99	21.94	22.11	21.96	23.00
20	16QAM	50	0	21.22	21.34	21.23	22.00
20	16QAM	50	24	21.01	21.11	21.01	22.00
20	16QAM	50	50	20.97	21.10	20.93	22.00
20	16QAM	100	0	21.00	21.18	21.00	22.00
20	64QAM	1	0	20.90	20.97	20.81	22.00
20	64QAM	1	49	20.69	20.82	20.67	22.00
20	64QAM	1	99	20.74	20.83	20.65	22.00
20	64QAM	50	0	20.48	20.55	20.38	21.00
20	64QAM	50	24	20.30	20.36	20.26	21.00
20	64QAM	50	50	20.18	20.33	20.15	21.00
20	64QAM	100	0	20.38	20.46	20.27	21.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.49	23.53	23.44	24.00
15	QPSK	1	37	23.24	23.35	23.19	24.00
15	QPSK	1	74	23.18	23.42	23.16	24.00
15	QPSK	36	0	22.53	22.57	22.47	23.00
15	QPSK	36	20	22.14	22.30	22.06	23.00
15	QPSK	36	39	22.24	22.40	22.16	23.00
15	QPSK	75	0	22.15	22.32	22.18	23.00
15	16QAM	1	0	22.13	22.26	22.10	23.00
15	16QAM	1	37	21.86	22.07	21.92	23.00
15	16QAM	1	74	21.85	22.00	21.89	23.00
15	16QAM	36	0	21.08	21.21	21.17	22.00
15	16QAM	36	20	20.95	21.07	20.99	22.00
15	16QAM	36	39	20.88	21.03	20.90	22.00
15	16QAM	75	0	20.86	21.09	20.99	22.00
15	64QAM	1	0	20.75	20.87	20.71	22.00
15	64QAM	1	37	20.65	20.68	20.59	22.00
15	64QAM	1	74	20.63	20.68	20.58	22.00
15	64QAM	36	0	20.46	20.48	20.34	21.00
15	64QAM	36	20	20.23	20.31	20.24	21.00
15	64QAM	36	39	20.07	20.29	20.02	21.00
15	64QAM	75	0	20.33	20.41	20.12	21.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.41	23.46	23.45	24.00
10	QPSK	1	25	23.23	23.36	23.27	24.00
10	QPSK	1	49	23.20	23.34	23.13	24.00
10	QPSK	25	0	22.49	22.53	22.47	23.00
10	QPSK	25	12	22.09	22.27	22.15	23.00
10	QPSK	25	25	22.23	22.33	22.17	23.00
10	QPSK	50	0	22.21	22.40	22.15	23.00
10	16QAM	1	0	22.19	22.15	22.03	23.00
10	16QAM	1	25	21.87	22.07	21.91	23.00
10	16QAM	1	49	21.90	22.03	21.89	23.00
10	16QAM	25	0	21.18	21.30	21.08	22.00
10	16QAM	25	12	20.91	21.03	20.88	22.00
10	16QAM	25	25	20.90	21.06	20.84	22.00
10	16QAM	50	0	20.87	21.12	20.87	22.00
10	64QAM	1	0	20.85	20.90	20.78	22.00
10	64QAM	1	25	20.66	20.71	20.63	22.00
10	64QAM	1	49	20.67	20.68	20.63	22.00
10	64QAM	25	0	20.43	20.49	20.30	21.00
10	64QAM	25	12	20.27	20.27	20.23	21.00
10	64QAM	25	25	20.11	20.28	20.05	21.00
10	64QAM	50	0	20.32	20.36	20.17	21.00
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.45	23.47	23.43	24.00
5	QPSK	1	12	23.23	23.28	23.23	24.00

5	QPSK	1	24	23.22	23.41	23.08	24.00
5	QPSK	12	0	22.51	22.53	22.43	23.00
5	QPSK	12	7	22.17	22.35	22.07	23.00
5	QPSK	12	13	22.25	22.40	22.25	23.00
5	QPSK	25	0	22.20	22.44	22.16	23.00
5	16QAM	1	0	22.10	22.22	22.02	23.00
5	16QAM	1	12	21.86	22.03	21.97	23.00
5	16QAM	1	24	21.82	22.09	21.87	23.00
5	16QAM	12	0	21.10	21.31	21.19	22.00
5	16QAM	12	7	20.92	20.98	20.89	22.00
5	16QAM	12	13	20.83	21.07	20.92	22.00
5	16QAM	25	0	20.92	21.03	20.97	22.00
5	64QAM	1	0	20.85	20.95	20.67	22.00
5	64QAM	1	12	20.59	20.73	20.56	22.00
5	64QAM	1	24	20.63	20.71	20.51	22.00
5	64QAM	12	0	20.41	20.50	20.28	21.00
5	64QAM	12	7	20.17	20.27	20.24	21.00
5	64QAM	12	13	20.14	20.18	20.04	21.00
5	64QAM	25	0	20.24	20.39	20.21	21.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.41	23.43	23.38	24.00
3	QPSK	1	8	23.19	23.26	23.18	24.00
3	QPSK	1	14	23.21	23.42	23.08	24.00
3	QPSK	8	0	22.43	22.57	22.46	23.00
3	QPSK	8	4	22.20	22.38	22.10	23.00
3	QPSK	8	7	22.22	22.29	22.17	23.00
3	QPSK	15	0	22.25	22.46	22.27	23.00
3	16QAM	1	0	22.12	22.19	22.06	23.00
3	16QAM	1	8	21.93	22.01	21.93	23.00
3	16QAM	1	14	21.83	22.03	21.89	23.00
3	16QAM	8	0	21.19	21.28	21.09	22.00
3	16QAM	8	4	20.88	21.06	20.95	22.00
3	16QAM	8	7	20.86	21.04	20.82	22.00
3	16QAM	15	0	20.86	21.04	20.90	22.00
3	64QAM	1	0	20.77	20.84	20.67	22.00
3	64QAM	1	8	20.61	20.70	20.55	22.00
3	64QAM	1	14	20.67	20.70	20.57	22.00
3	64QAM	8	0	20.44	20.41	20.24	21.00
3	64QAM	8	4	20.22	20.33	20.20	21.00
3	64QAM	8	7	20.08	20.26	20.01	21.00
3	64QAM	15	0	20.30	20.37	20.23	21.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.42	23.48	23.45	24.00
1.4	QPSK	1	3	23.18	23.29	23.18	24.00
1.4	QPSK	1	5	23.21	23.37	23.07	24.00
1.4	QPSK	3	0	23.40	23.57	23.41	24.00
1.4	QPSK	3	1	23.17	23.37	23.13	24.00
1.4	QPSK	3	3	23.31	23.37	23.16	24.00
1.4	QPSK	6	0	22.22	22.40	22.19	23.00
1.4	16QAM	1	0	22.12	22.16	22.12	23.00
1.4	16QAM	1	3	21.91	22.05	21.96	23.00
1.4	16QAM	1	5	21.83	22.07	21.92	23.00
1.4	16QAM	3	0	22.14	22.25	22.20	23.00
1.4	16QAM	3	1	21.91	22.03	21.98	23.00
1.4	16QAM	3	3	21.90	22.03	21.85	23.00
1.4	16QAM	6	0	20.86	21.14	20.89	22.00
1.4	64QAM	1	0	20.88	20.88	20.67	22.00
1.4	64QAM	1	3	20.60	20.77	20.57	22.00
1.4	64QAM	1	5	20.70	20.71	20.59	22.00
1.4	64QAM	3	0	21.46	21.44	21.27	22.00
1.4	64QAM	3	1	21.17	21.26	21.23	22.00
1.4	64QAM	3	3	21.11	21.28	21.11	22.00
1.4	64QAM	6	0	20.32	20.43	20.19	21.00

【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	23.21	23.30	23.25	24.00
15	QPSK	1	37	23.00	23.14	22.94	24.00
15	QPSK	1	74	23.05	23.15	22.98	24.00
15	QPSK	36	0	22.22	22.37	22.27	23.00
15	QPSK	36	20	22.08	22.22	22.07	23.00
15	QPSK	36	39	22.09	22.17	22.03	23.00
15	QPSK	75	0	22.17	22.22	22.06	23.00
15	16QAM	1	0	22.01	22.05	21.87	23.00
15	16QAM	1	37	21.77	21.83	21.71	23.00
15	16QAM	1	74	21.79	21.87	21.75	23.00
15	16QAM	36	0	21.00	21.12	20.99	22.00
15	16QAM	36	20	20.85	20.87	20.71	22.00
15	16QAM	36	39	20.74	20.89	20.73	22.00
15	16QAM	75	0	20.88	21.00	20.94	22.00
15	64QAM	1	0	20.63	20.74	20.58	22.00
15	64QAM	1	37	20.51	20.56	20.46	22.00
15	64QAM	1	74	20.56	20.58	20.52	22.00
15	64QAM	36	0	20.17	20.31	20.24	21.00
15	64QAM	36	20	20.05	20.11	19.99	21.00
15	64QAM	36	39	20.05	20.14	20.03	21.00
15	64QAM	75	0	20.14	20.23	20.13	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.18	23.19	23.21	24.00
10	QPSK	1	25	22.90	23.00	22.85	24.00
10	QPSK	1	49	23.02	23.06	22.90	24.00
10	QPSK	25	0	22.14	22.23	22.12	23.00
10	QPSK	25	12	22.02	22.10	21.94	23.00
10	QPSK	25	25	22.01	22.07	21.98	23.00
10	QPSK	50	0	22.14	22.21	21.93	23.00
10	16QAM	1	0	21.96	21.97	21.81	23.00
10	16QAM	1	25	21.72	21.81	21.59	23.00
10	16QAM	1	49	21.76	21.81	21.65	23.00
10	16QAM	25	0	20.87	21.04	20.85	22.00
10	16QAM	25	12	20.71	20.84	20.63	22.00
10	16QAM	25	25	20.70	20.75	20.62	22.00
10	16QAM	50	0	20.76	20.93	20.81	22.00
10	64QAM	1	0	20.50	20.66	20.45	22.00
10	64QAM	1	25	20.45	20.48	20.43	22.00
10	64QAM	1	49	20.51	20.56	20.42	22.00
10	64QAM	25	0	20.08	20.24	20.17	21.00
10	64QAM	25	12	19.96	20.02	19.92	21.00
10	64QAM	25	25	19.94	20.01	19.94	21.00
10	64QAM	50	0	20.12	20.17	20.02	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.15	23.17	23.17	24.00
5	QPSK	1	12	22.87	23.12	22.79	24.00
5	QPSK	1	24	23.03	23.03	22.89	24.00
5	QPSK	12	0	22.19	22.22	22.17	23.00
5	QPSK	12	7	21.94	22.07	22.02	23.00
5	QPSK	12	13	22.03	22.11	21.99	23.00
5	QPSK	25	0	22.11	22.16	22.01	23.00
5	16QAM	1	0	21.90	21.99	21.83	23.00
5	16QAM	1	12	21.69	21.76	21.65	23.00
5	16QAM	1	24	21.68	21.73	21.73	23.00
5	16QAM	12	0	20.99	21.07	20.95	22.00
5	16QAM	12	7	20.83	20.78	20.62	22.00
5	16QAM	12	13	20.71	20.84	20.67	22.00
5	16QAM	25	0	20.85	20.98	20.80	22.00
5	64QAM	1	0	20.58	20.68	20.48	22.00
5	64QAM	1	12	20.41	20.51	20.36	22.00
5	64QAM	1	24	20.51	20.49	20.49	22.00
5	64QAM	12	0	20.12	20.25	20.10	21.00
5	64QAM	12	7	19.94	20.09	19.90	21.00
5	64QAM	12	13	19.94	20.00	19.91	21.00
5	64QAM	25	0	20.07	20.11	20.02	21.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.23	23.18	23.11	24.00
3	QPSK	1	8	22.93	23.05	22.84	24.00

3	QPSK	1	14	22.95	23.12	22.85	24.00
3	QPSK	8	0	22.09	22.22	22.20	23.00
3	QPSK	8	4	22.05	22.15	21.98	23.00
3	QPSK	8	7	22.02	22.06	21.99	23.00
3	QPSK	15	0	22.03	22.07	22.03	23.00
3	16QAM	1	0	21.91	21.92	21.76	23.00
3	16QAM	1	8	21.70	21.81	21.66	23.00
3	16QAM	1	14	21.74	21.85	21.68	23.00
3	16QAM	8	0	20.97	20.99	20.85	22.00
3	16QAM	8	4	20.82	20.81	20.57	22.00
3	16QAM	8	7	20.67	20.77	20.65	22.00
3	16QAM	15	0	20.82	20.97	20.86	22.00
3	64QAM	1	0	20.49	20.66	20.49	22.00
3	64QAM	1	8	20.43	20.49	20.35	22.00
3	64QAM	1	14	20.54	20.53	20.44	22.00
3	64QAM	8	0	20.07	20.28	20.13	21.00
3	64QAM	8	4	19.98	20.07	19.85	21.00
3	64QAM	8	7	19.94	20.09	19.92	21.00
3	64QAM	15	0	20.02	20.15	20.08	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.16	23.21	23.10	24.00
1.4	QPSK	1	3	22.97	23.00	22.82	24.00
1.4	QPSK	1	5	22.97	23.05	22.85	24.00
1.4	QPSK	3	0	23.18	23.30	23.20	24.00
1.4	QPSK	3	1	23.06	23.14	23.00	24.00
1.4	QPSK	3	3	23.05	23.12	22.99	24.00
1.4	QPSK	6	0	22.13	22.20	21.99	23.00
1.4	16QAM	1	0	21.97	21.98	21.78	23.00
1.4	16QAM	1	3	21.64	21.68	21.64	23.00
1.4	16QAM	1	5	21.69	21.84	21.69	23.00
1.4	16QAM	3	0	21.89	22.10	21.93	23.00
1.4	16QAM	3	1	21.79	21.72	21.64	23.00
1.4	16QAM	3	3	21.72	21.86	21.61	23.00
1.4	16QAM	6	0	20.75	20.95	20.89	22.00
1.4	64QAM	1	0	20.59	20.68	20.48	22.00
1.4	64QAM	1	3	20.43	20.51	20.44	22.00
1.4	64QAM	1	5	20.45	20.46	20.38	22.00
1.4	64QAM	3	0	21.03	21.25	21.17	22.00
1.4	64QAM	3	1	21.04	21.01	20.91	22.00
1.4	64QAM	3	3	20.94	21.05	20.88	22.00
1.4	64QAM	6	0	20.01	20.18	20.04	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	23.46	23.48	23.51	23.39	23.49	24.00
20	QPSK	1	49	23.24	23.20	23.35	23.19	23.23	24.00
20	QPSK	1	99	23.33	23.23	23.41	23.18	23.31	24.00
20	QPSK	50	0	22.49	22.43	22.57	22.49	22.49	23.00
20	QPSK	50	24	22.28	22.35	22.42	22.29	22.27	23.00
20	QPSK	50	50	22.26	22.37	22.41	22.22	22.26	23.00
20	QPSK	100	0	22.29	22.38	22.44	22.26	22.31	23.00
20	16QAM	1	0	22.21	22.22	22.28	22.12	22.18	23.00
20	16QAM	1	49	21.93	21.88	22.02	21.83	21.90	23.00
20	16QAM	1	99	21.94	21.93	22.05	21.91	21.99	23.00
20	16QAM	50	0	21.25	21.22	21.32	21.10	21.18	22.00
20	16QAM	50	24	20.83	20.93	21.00	20.80	20.97	22.00
20	16QAM	50	50	20.94	20.94	21.04	20.90	20.93	22.00
20	16QAM	100	0	21.06	21.02	21.12	20.97	20.98	22.00
20	64QAM	1	0	20.86	20.94	20.99	20.79	20.90	22.00
20	64QAM	1	49	20.60	20.62	20.78	20.57	20.72	22.00
20	64QAM	1	99	20.69	20.61	20.78	20.65	20.61	22.00
20	64QAM	50	0	20.40	20.41	20.46	20.27	20.41	21.00
20	64QAM	50	24	20.23	20.18	20.32	20.20	20.26	21.00
20	64QAM	50	50	20.25	20.15	20.32	20.08	20.24	21.00
20	64QAM	100	0	20.27	20.27	20.41	20.22	20.28	21.00
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	23.43	23.33	23.37	23.35	23.45	24.00
15	QPSK	1	37	23.16	23.13	23.32	23.14	23.19	24.00
15	QPSK	1	74	23.23	23.16	23.29	23.04	23.30	24.00
15	QPSK	36	0	22.40	22.39	22.53	22.47	22.34	23.00
15	QPSK	36	20	22.15	22.29	22.36	22.25	22.26	23.00
15	QPSK	36	39	22.24	22.27	22.38	22.12	22.16	23.00
15	QPSK	75	0	22.22	22.29	22.39	22.20	22.30	23.00
15	16QAM	1	0	22.06	22.12	22.14	22.11	22.16	23.00
15	16QAM	1	37	21.89	21.81	21.96	21.79	21.86	23.00
15	16QAM	1	74	21.90	21.85	22.01	21.76	21.90	23.00
15	16QAM	36	0	21.15	21.15	21.26	21.09	21.14	22.00
15	16QAM	36	20	20.71	20.82	20.96	20.71	20.94	22.00
15	16QAM	36	39	20.88	20.92	20.99	20.88	20.82	22.00
15	16QAM	75	0	20.96	20.92	21.03	20.87	20.86	22.00
15	64QAM	1	0	20.75	20.86	20.87	20.67	20.84	22.00
15	64QAM	1	37	20.48	20.58	20.72	20.53	20.63	22.00
15	64QAM	1	74	20.62	20.59	20.75	20.57	20.57	22.00
15	64QAM	36	0	20.34	20.27	20.41	20.13	20.31	21.00
15	64QAM	36	20	20.15	20.05	20.27	20.15	20.13	21.00
15	64QAM	36	39	20.20	20.09	20.29	20.03	20.13	21.00
15	64QAM	75	0	20.13	20.21	20.29	20.15	20.16	21.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.45	23.39	23.48	23.26	23.42	24.00
10	QPSK	1	25	23.13	23.16	23.32	23.09	23.20	24.00
10	QPSK	1	49	23.19	23.11	23.31	23.15	23.24	24.00
10	QPSK	25	0	22.47	22.38	22.47	22.37	22.38	23.00
10	QPSK	25	12	22.16	22.34	22.30	22.20	22.23	23.00
10	QPSK	25	25	22.23	22.23	22.30	22.08	22.24	23.00
10	QPSK	50	0	22.15	22.24	22.36	22.21	22.25	23.00
10	16QAM	1	0	22.13	22.13	22.22	22.06	22.13	23.00
10	16QAM	1	25	21.83	21.77	21.97	21.81	21.77	23.00
10	16QAM	1	49	21.85	21.83	22.03	21.80	21.93	23.00
10	16QAM	25	0	21.18	21.21	21.19	20.99	21.06	22.00
10	16QAM	25	12	20.71	20.82	20.96	20.75	20.92	22.00
10	16QAM	25	25	20.86	20.80	20.97	20.84	20.87	22.00
10	16QAM	50	0	20.93	20.91	21.09	20.91	20.95	22.00
10	64QAM	1	0	20.80	20.87	20.97	20.74	20.87	22.00
10	64QAM	1	25	20.57	20.52	20.74	20.49	20.60	22.00
10	64QAM	1	49	20.67	20.56	20.65	20.57	20.47	22.00
10	64QAM	25	0	20.38	20.36	20.35	20.19	20.35	21.00
10	64QAM	25	12	20.20	20.14	20.30	20.13	20.16	21.00
10	64QAM	25	25	20.23	20.04	20.26	19.97	20.19	21.00
10	64QAM	50	0	20.17	20.26	20.35	20.12	20.23	21.00
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	23.32	23.35	23.43	23.28	23.43	24.00
5	QPSK	1	12	23.11	23.14	23.21	23.07	23.21	24.00
5	QPSK	1	24	23.27	23.14	23.31	23.13	23.22	24.00
5	QPSK	12	0	22.39	22.37	22.52	22.40	22.39	23.00
5	QPSK	12	7	22.20	22.34	22.40	22.19	22.22	23.00
5	QPSK	12	13	22.19	22.32	22.35	22.17	22.14	23.00
5	QPSK	25	0	22.26	22.32	22.29	22.24	22.17	23.00
5	16QAM	1	0	22.17	22.20	22.17	22.07	22.06	23.00
5	16QAM	1	12	21.78	21.85	21.94	21.70	21.76	23.00
5	16QAM	1	24	21.82	21.92	22.03	21.89	21.89	23.00
5	16QAM	12	0	21.15	21.18	21.23	20.96	21.14	22.00
5	16QAM	12	7	20.69	20.83	20.96	20.77	20.86	22.00
5	16QAM	12	13	20.80	20.88	21.03	20.86	20.91	22.00
5	16QAM	25	0	21.01	20.96	20.98	20.87	20.87	22.00
5	64QAM	1	0	20.72	20.90	20.91	20.76	20.86	22.00
5	64QAM	1	12	20.57	20.58	20.76	20.48	20.69	22.00
5	64QAM	1	24	20.59	20.53	20.71	20.61	20.47	22.00
5	64QAM	12	0	20.30	20.32	20.40	20.21	20.34	21.00
5	64QAM	12	7	20.17	20.12	20.30	20.10	20.16	21.00
5	64QAM	12	13	20.10	20.03	20.18	19.94	20.11	21.00
5	64QAM	25	0	20.17	20.24	20.27	20.16	20.13	21.00

【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	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.24	23.32	23.23	24.00
20	QPSK	1	49	22.93	23.14	23.03	24.00
20	QPSK	1	99	23.01	23.17	22.99	24.00
20	QPSK	50	0	22.25	22.35	22.30	23.00
20	QPSK	50	24	22.01	22.21	21.98	23.00
20	QPSK	50	50	21.94	22.15	22.00	23.00
20	QPSK	100	0	22.08	22.21	22.06	23.00
20	16QAM	1	0	21.88	22.06	21.95	23.00
20	16QAM	1	49	21.73	21.87	21.73	23.00
20	16QAM	1	99	21.70	21.83	21.72	23.00
20	16QAM	50	0	20.93	21.04	20.86	22.00
20	16QAM	50	24	20.68	20.88	20.65	22.00
20	16QAM	50	50	20.68	20.88	20.71	22.00
20	16QAM	100	0	20.83	20.96	20.77	22.00
20	64QAM	1	0	20.67	20.75	20.61	22.00
20	64QAM	1	49	20.37	20.55	20.39	22.00
20	64QAM	1	99	20.40	20.59	20.43	22.00
20	64QAM	50	0	20.09	20.28	20.06	21.00
20	64QAM	50	24	20.06	20.15	19.98	21.00
20	64QAM	50	50	20.06	20.14	20.03	21.00
20	64QAM	100	0	20.10	20.23	20.06	21.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.15	23.21	23.15	24.00
15	QPSK	1	37	22.88	23.12	22.96	24.00
15	QPSK	1	74	22.97	23.15	22.89	24.00
15	QPSK	36	0	22.11	22.29	22.27	23.00
15	QPSK	36	20	21.93	22.08	21.96	23.00
15	QPSK	36	39	21.87	22.13	21.98	23.00
15	QPSK	75	0	21.99	22.09	22.04	23.00
15	16QAM	1	0	21.85	21.99	21.83	23.00
15	16QAM	1	37	21.61	21.78	21.65	23.00
15	16QAM	1	74	21.56	21.78	21.67	23.00
15	16QAM	36	0	20.88	20.92	20.74	22.00
15	16QAM	36	20	20.65	20.82	20.53	22.00
15	16QAM	36	39	20.58	20.81	20.68	22.00
15	16QAM	75	0	20.81	20.84	20.75	22.00
15	64QAM	1	0	20.64	20.73	20.48	22.00
15	64QAM	1	37	20.24	20.42	20.34	22.00
15	64QAM	1	74	20.35	20.47	20.37	22.00
15	64QAM	36	0	19.98	20.26	19.99	21.00
15	64QAM	36	20	19.97	20.05	19.86	21.00
15	64QAM	36	39	19.96	20.00	19.91	21.00
15	64QAM	75	0	20.07	20.19	19.92	21.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.21	23.23	23.19	24.00
10	QPSK	1	25	22.92	23.12	22.98	24.00
10	QPSK	1	49	22.98	23.08	22.87	24.00
10	QPSK	25	0	22.23	22.22	22.22	23.00
10	QPSK	25	12	21.92	22.15	21.93	23.00
10	QPSK	25	25	21.91	22.13	21.91	23.00
10	QPSK	50	0	22.05	22.20	22.03	23.00
10	16QAM	1	0	21.80	21.99	21.91	23.00
10	16QAM	1	25	21.58	21.83	21.68	23.00
10	16QAM	1	49	21.64	21.77	21.65	23.00
10	16QAM	25	0	20.87	20.93	20.72	22.00
10	16QAM	25	12	20.61	20.77	20.54	22.00
10	16QAM	25	25	20.57	20.86	20.65	22.00
10	16QAM	50	0	20.74	20.83	20.75	22.00
10	64QAM	1	0	20.57	20.68	20.47	22.00
10	64QAM	1	25	20.35	20.47	20.31	22.00
10	64QAM	1	49	20.28	20.47	20.37	22.00
10	64QAM	25	0	20.05	20.16	19.94	21.00
10	64QAM	25	12	20.03	20.11	19.90	21.00
10	64QAM	25	25	19.93	20.11	19.93	21.00
10	64QAM	50	0	19.97	20.09	20.03	21.00
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	

5	QPSK	1	0	23.22	23.20	23.20	24.00
5	QPSK	1	12	22.89	23.10	22.94	24.00
5	QPSK	1	24	22.93	23.07	22.89	24.00
5	QPSK	12	0	22.11	22.30	22.24	23.00
5	QPSK	12	7	21.96	22.16	21.91	23.00
5	QPSK	12	13	21.85	22.07	21.97	23.00
5	QPSK	25	0	21.99	22.17	22.00	23.00
5	16QAM	1	0	21.83	22.04	21.81	23.00
5	16QAM	1	12	21.60	21.81	21.69	23.00
5	16QAM	1	24	21.58	21.74	21.66	23.00
5	16QAM	12	0	20.91	20.92	20.84	22.00
5	16QAM	12	7	20.63	20.85	20.52	22.00
5	16QAM	12	13	20.64	20.74	20.65	22.00
5	16QAM	25	0	20.76	20.83	20.64	22.00
5	64QAM	1	0	20.65	20.74	20.56	22.00
5	64QAM	1	12	20.34	20.53	20.24	22.00
5	64QAM	1	24	20.28	20.50	20.30	22.00
5	64QAM	12	0	20.04	20.16	19.97	21.00
5	64QAM	12	7	19.97	20.05	19.89	21.00
5	64QAM	12	13	20.05	20.08	20.01	21.00
5	64QAM	25	0	20.04	20.18	19.99	21.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.12	23.26	23.11	24.00
3	QPSK	1	8	22.91	23.05	22.91	24.00
3	QPSK	1	14	22.97	23.04	22.96	24.00
3	QPSK	8	0	22.22	22.32	22.21	23.00
3	QPSK	8	4	22.00	22.07	21.94	23.00
3	QPSK	8	7	21.93	22.02	21.92	23.00
3	QPSK	15	0	21.96	22.18	22.02	23.00
3	16QAM	1	0	21.78	22.05	21.90	23.00
3	16QAM	1	8	21.69	21.75	21.71	23.00
3	16QAM	1	14	21.65	21.79	21.61	23.00
3	16QAM	8	0	20.89	20.97	20.84	22.00
3	16QAM	8	4	20.65	20.85	20.56	22.00
3	16QAM	8	7	20.58	20.87	20.68	22.00
3	16QAM	15	0	20.80	20.92	20.74	22.00
3	64QAM	1	0	20.64	20.70	20.54	22.00
3	64QAM	1	8	20.27	20.52	20.34	22.00
3	64QAM	1	14	20.34	20.45	20.32	22.00
3	64QAM	8	0	19.97	20.27	19.96	21.00
3	64QAM	8	4	19.95	20.10	19.91	21.00
3	64QAM	8	7	20.01	20.06	19.88	21.00
3	64QAM	15	0	20.09	20.16	20.03	21.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.12	23.23	23.09	24.00
1.4	QPSK	1	3	22.84	23.04	22.98	24.00
1.4	QPSK	1	5	22.96	23.06	22.96	24.00
1.4	QPSK	3	0	23.21	23.25	23.17	24.00
1.4	QPSK	3	1	22.95	23.08	22.92	24.00
1.4	QPSK	3	3	22.93	23.01	22.89	24.00
1.4	QPSK	6	0	21.98	22.11	22.00	23.00
1.4	16QAM	1	0	21.80	22.03	21.82	23.00
1.4	16QAM	1	3	21.61	21.84	21.66	23.00
1.4	16QAM	1	5	21.57	21.69	21.62	23.00
1.4	16QAM	3	0	21.91	21.89	21.81	23.00
1.4	16QAM	3	1	21.65	21.79	21.60	23.00
1.4	16QAM	3	3	21.54	21.74	21.61	23.00
1.4	16QAM	6	0	20.75	20.94	20.65	22.00
1.4	64QAM	1	0	20.56	20.62	20.46	22.00
1.4	64QAM	1	3	20.27	20.50	20.29	22.00
1.4	64QAM	1	5	20.26	20.57	20.29	22.00
1.4	64QAM	3	0	21.05	21.16	20.93	22.00
1.4	64QAM	3	1	21.05	21.10	20.95	22.00
1.4	64QAM	3	3	21.02	21.11	20.93	22.00
1.4	64QAM	6	0	20.01	20.09	19.97	21.00

【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	23.29	23.30	23.25	24.00
20	QPSK	1	49	23.01	23.14	22.98	24.00
20	QPSK	1	99	23.05	23.15	23.00	24.00
20	QPSK	50	0	22.22	22.37	22.27	23.00
20	QPSK	50	24	22.14	22.22	22.04	23.00
20	QPSK	50	50	22.05	22.17	21.99	23.00
20	QPSK	100	0	22.10	22.22	22.08	23.00
20	16QAM	1	0	22.02	22.05	21.97	23.00
20	16QAM	1	49	21.79	21.83	21.76	23.00
20	16QAM	1	99	21.74	21.87	21.68	23.00
20	16QAM	50	0	21.04	21.12	20.95	22.00
20	16QAM	50	24	20.74	20.87	20.75	22.00
20	16QAM	50	50	20.76	20.89	20.71	22.00
20	16QAM	100	0	20.87	21.00	20.86	22.00
20	64QAM	1	0	20.60	20.74	20.65	22.00
20	64QAM	1	49	20.41	20.56	20.44	22.00
20	64QAM	1	99	20.50	20.58	20.42	22.00
20	64QAM	50	0	20.17	20.31	20.26	21.00
20	64QAM	50	24	20.00	20.11	19.92	21.00
20	64QAM	50	50	20.10	20.14	20.06	21.00
20	64QAM	100	0	20.09	20.23	20.08	21.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.20	23.18	23.13	24.00
15	QPSK	1	37	22.99	23.13	22.84	24.00
15	QPSK	1	74	23.00	23.13	22.89	24.00
15	QPSK	36	0	22.16	22.35	22.22	23.00
15	QPSK	36	20	22.05	22.07	21.90	23.00
15	QPSK	36	39	22.03	22.13	21.95	23.00
15	QPSK	75	0	22.06	22.17	21.95	23.00
15	16QAM	1	0	21.97	21.98	21.96	23.00
15	16QAM	1	37	21.71	21.71	21.74	23.00
15	16QAM	1	74	21.68	21.75	21.56	23.00
15	16QAM	36	0	20.90	20.97	20.83	22.00
15	16QAM	36	20	20.62	20.78	20.60	22.00
15	16QAM	36	39	20.64	20.81	20.63	22.00
15	16QAM	75	0	20.75	20.98	20.82	22.00
15	64QAM	1	0	20.58	20.65	20.61	22.00
15	64QAM	1	37	20.31	20.44	20.35	22.00
15	64QAM	1	74	20.36	20.44	20.35	22.00
15	64QAM	36	0	20.03	20.16	20.15	21.00
15	64QAM	36	20	19.86	20.09	19.85	21.00
15	64QAM	36	39	20.05	20.08	19.94	21.00
15	64QAM	75	0	19.99	20.15	19.93	21.00
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.27	23.29	23.22	24.00
10	QPSK	1	25	22.91	23.06	22.88	24.00
10	QPSK	1	49	22.99	23.06	22.95	24.00
10	QPSK	25	0	22.12	22.30	22.22	23.00
10	QPSK	25	12	22.00	22.10	21.89	23.00
10	QPSK	25	25	21.95	22.10	21.90	23.00
10	QPSK	50	0	22.09	22.15	21.95	23.00
10	16QAM	1	0	21.89	21.94	21.96	23.00
10	16QAM	1	25	21.65	21.69	21.70	23.00
10	16QAM	1	49	21.61	21.72	21.53	23.00
10	16QAM	25	0	20.99	21.00	20.91	22.00
10	16QAM	25	12	20.73	20.82	20.74	22.00
10	16QAM	25	25	20.62	20.84	20.63	22.00
10	16QAM	50	0	20.74	20.94	20.81	22.00
10	64QAM	1	0	20.53	20.65	20.54	22.00
10	64QAM	1	25	20.29	20.42	20.41	22.00
10	64QAM	1	49	20.46	20.47	20.40	22.00
10	64QAM	25	0	20.09	20.24	20.13	21.00
10	64QAM	25	12	19.95	20.07	19.83	21.00
10	64QAM	25	25	19.99	20.11	19.94	21.00
10	64QAM	50	0	20.08	20.11	20.06	21.00
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	

5	QPSK	1	0	23.16	23.23	23.21	24.00
5	QPSK	1	12	22.94	23.05	22.88	24.00
5	QPSK	1	24	22.97	23.12	22.91	24.00
5	QPSK	12	0	22.16	22.32	22.22	23.00
5	QPSK	12	7	22.09	22.11	21.94	23.00
5	QPSK	12	13	21.91	22.04	21.84	23.00
5	QPSK	25	0	21.97	22.07	22.02	23.00
5	16QAM	1	0	21.90	22.04	21.86	23.00
5	16QAM	1	12	21.78	21.68	21.63	23.00
5	16QAM	1	24	21.72	21.80	21.63	23.00
5	16QAM	12	0	20.96	20.99	20.82	22.00
5	16QAM	12	7	20.65	20.79	20.61	22.00
5	16QAM	12	13	20.65	20.85	20.69	22.00
5	16QAM	25	0	20.76	20.94	20.76	22.00
5	64QAM	1	0	20.57	20.68	20.57	22.00
5	64QAM	1	12	20.35	20.46	20.40	22.00
5	64QAM	1	24	20.44	20.53	20.28	22.00
5	64QAM	12	0	20.02	20.28	20.13	21.00
5	64QAM	12	7	19.98	20.09	19.89	21.00
5	64QAM	12	13	19.95	20.06	20.03	21.00
5	64QAM	25	0	20.03	20.11	19.96	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	11.37	13.00	76.64
	39	2441	11.95	13.50	
	78	2480	9.63	11.00	
BR / EDR 2Mbps	0	2402	9.83	11.50	77.03
	39	2441	10.55	12.00	
	78	2480	7.99	9.50	
BR / EDR 3Mbps	0	2402	9.72	11.50	77.37
	39	2441	10.37	12.00	
	78	2480	7.92	9.50	
LE 1Mbps	0	2402	7.44	9.00	62.62
	19	2440	8.41	10.00	
	39	2480	7.24	8.50	

<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	16.80	18.50	98.31
	6	2437	16.91	18.50	
	11	2462	17.03	18.50	
802.11g 6Mbps	1	2412	16.33	18.00	98.27
	6	2437	16.54	18.00	
	11	2462	16.60	18.00	
802.11n-HT20 MCS0	1	2412	16.11	17.50	98.15
	6	2437	16.36	18.00	
	11	2462	16.40	18.00	
802.11n-HT40 MCS0	3	2422	14.23	15.50	94.91
	6	2437	15.46	17.00	
	9	2452	13.78	15.50	

【5.2GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	15.68	17.00	98.28
	40	5200	16.19	17.50	
	44	5220	16.17	17.50	
	48	5240	15.96	17.50	
802.11n-HT20 MCS0	36	5180	15.90	17.50	98.16
	40	5200	15.93	17.50	
	44	5220	15.95	17.50	
802.11n-HT40 MCS0	48	5240	15.77	17.50	96.32
	38	5190	13.01	14.50	
	46	5230	15.53	17.00	
802.11ac-VHT20 MCS0	36	5180	14.86	16.50	98.16
	40	5200	14.99	16.50	
	44	5220	14.93	16.50	
	48	5240	14.69	16.00	
802.11ac-VHT40 MCS0	38	5190	12.95	14.50	96.35
	46	5230	14.54	16.00	
802.11ac-VHT80 MCS0	42	5210	12.46	14.00	92.22

【5.3GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	16.01	17.50	98.28
	56	5280	16.15	17.50	
	60	5300	16.11	17.50	
	64	5320	16.40	18.00	
802.11n-HT20 MCS0	52	5260	15.74	17.00	98.16
	56	5280	15.79	17.50	
	60	5300	15.94	17.50	
	64	5320	16.14	17.50	
802.11n-HT40 MCS0	54	5270	15.32	17.00	96.32
	62	5310	15.26	17.00	
802.11ac-VHT20 MCS0	52	5260	14.77	16.50	98.16
	56	5280	14.84	16.50	
	60	5300	14.95	16.50	
	64	5320	15.13	16.50	
802.11ac-VHT40 MCS0	54	5270	14.25	16.00	96.35
	62	5310	14.30	16.00	
802.11ac-VHT80 MCS0	58	5290	12.47	14.00	92.22

【5.5GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	16.95	18.50	98.28
	116	5580	16.24	17.50	
	124	5620	16.20	17.50	
	132	5660	16.44	18.00	
	144	5720	16.44	18.00	
802.11n-HT20 MCS0	100	5500	16.73	18.00	98.16
	116	5580	16.06	17.50	
	124	5620	16.02	17.50	
	132	5660	16.31	18.00	
	144	5720	16.40	18.00	
802.11n-HT40 MCS0	102	5510	15.91	17.50	96.32
	110	5550	15.61	17.00	
	126	5630	15.47	17.00	
	134	5670	15.72	17.50	
	142	5710	15.78	17.50	
802.11ac-VHT20 MCS0	100	5500	15.75	17.50	98.16
	116	5580	15.10	16.50	
	124	5620	15.01	16.50	
	132	5660	15.25	16.50	
	144	5720	15.35	17.00	
802.11ac-VHT40 MCS0	102	5510	14.85	16.50	96.35
	110	5550	14.54	16.00	
	126	5630	14.50	16.00	
	134	5670	14.69	16.00	
	142	5710	14.71	16.00	
802.11ac-VHT80 MCS0	106	5530	13.75	15.00	92.22
	122	5610	13.24	15.00	
	138	5690	13.77	15.50	

【5.8GHz WLAN】

Mode	Channel	Frequency (MHz)	Ant 1		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	16.50	18.00	98.28
	157	5785	15.85	17.50	
	165	5825	15.04	16.50	
802.11n-HT20 MCS0	149	5745	16.43	18.00	98.16
	157	5785	15.73	17.00	
	165	5825	14.94	16.50	
802.11n-HT40 MCS0	151	5755	15.48	17.00	96.32
	159	5795	15.05	16.50	
802.11ac-VHT20 MCS0	149	5745	15.49	17.00	98.16
	157	5785	14.80	16.50	
	165	5825	14.95	16.50	
802.11ac-VHT40 MCS0	151	5755	14.52	16.00	96.35
	159	5795	14.07	15.50	
802.11ac-VHT80 MCS0	155	5775	13.18	14.50	92.22