



FCC SAR Test Report

Report No. : FA5D2207

10	64QAM	50	0	21.40	21.55	21.39	22.50
10	256QAM	1	0	19.48	19.62	19.54	20.50
10	256QAM	1	25	19.55	19.61	19.49	20.50
10	256QAM	1	49	19.51	19.55	19.52	20.50
10	256QAM	25	0	19.41	19.53	19.48	20.50
10	256QAM	25	12	19.42	19.52	19.39	20.50
10	256QAM	25	25	19.37	19.50	19.42	20.50
10	256QAM	50	0	19.41	19.52	19.37	20.50
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	24.50	24.47	24.43	25.50
5	QPSK	1	12	24.05	24.23	24.03	25.50
5	QPSK	1	24	24.07	24.22	24.10	25.50
5	QPSK	12	0	23.25	23.32	23.40	24.50
5	QPSK	12	7	23.19	23.28	23.20	24.50
5	QPSK	12	13	23.21	23.31	23.16	24.50
5	QPSK	25	0	23.18	23.27	23.16	24.50
5	16QAM	1	0	23.52	23.55	23.45	24.50
5	16QAM	1	12	23.41	23.49	23.43	24.50
5	16QAM	1	24	23.31	23.42	23.33	24.50
5	16QAM	12	0	22.08	22.32	22.17	23.50
5	16QAM	12	7	22.30	22.34	22.36	23.50
5	16QAM	12	13	22.24	22.33	22.24	23.50
5	16QAM	25	0	22.16	22.36	22.37	23.50
5	64QAM	1	0	22.61	22.57	22.46	23.50
5	64QAM	1	12	22.53	22.51	22.59	23.50
5	64QAM	1	24	22.47	22.62	22.64	23.50
5	64QAM	12	0	21.27	21.46	21.37	22.50
5	64QAM	12	7	21.22	21.45	21.33	22.50
5	64QAM	12	13	21.32	21.43	21.35	22.50
5	64QAM	25	0	21.33	21.54	21.35	22.50
5	256QAM	1	0	19.35	19.57	19.50	20.50
5	256QAM	1	12	19.42	19.59	19.48	20.50
5	256QAM	1	24	19.48	19.46	19.45	20.50
5	256QAM	12	0	19.26	19.39	19.43	20.50
5	256QAM	12	7	19.32	19.39	19.38	20.50
5	256QAM	12	13	19.24	19.39	19.37	20.50
5	256QAM	25	0	19.38	19.40	19.27	20.50
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	24.42	24.54	24.43	25.50
3	QPSK	1	8	24.09	24.16	23.99	25.50
3	QPSK	1	14	24.13	24.29	24.10	25.50
3	QPSK	8	0	23.25	23.36	23.28	24.50
3	QPSK	8	4	23.20	23.18	23.16	24.50
3	QPSK	8	7	23.23	23.21	23.22	24.50
3	QPSK	15	0	23.11	23.22	23.08	24.50
3	16QAM	1	0	23.60	23.54	23.35	24.50
3	16QAM	1	8	23.35	23.52	23.39	24.50
3	16QAM	1	14	23.34	23.42	23.29	24.50
3	16QAM	8	0	22.10	22.25	22.22	23.50
3	16QAM	8	4	22.31	22.34	22.32	23.50
3	16QAM	8	7	22.32	22.28	22.27	23.50
3	16QAM	15	0	22.25	22.40	22.31	23.50
3	64QAM	1	0	22.65	22.69	22.45	23.50
3	64QAM	1	8	22.56	22.58	22.50	23.50
3	64QAM	1	14	22.57	22.59	22.63	23.50
3	64QAM	8	0	21.36	21.47	21.36	22.50
3	64QAM	8	4	21.32	21.50	21.34	22.50
3	64QAM	8	7	21.26	21.50	21.45	22.50
3	64QAM	15	0	21.34	21.50	21.32	22.50
3	256QAM	1	0	19.46	19.51	19.40	20.50
3	256QAM	1	8	19.47	19.55	19.43	20.50
3	256QAM	1	14	19.48	19.48	19.50	20.50
3	256QAM	8	0	19.26	19.40	19.45	20.50
3	256QAM	8	4	19.37	19.48	19.31	20.50
3	256QAM	8	7	19.33	19.46	19.40	20.50
3	256QAM	15	0	19.40	19.40	19.25	20.50
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	24.47	24.51	24.40	25.50
1.4	QPSK	1	3	24.15	24.20	24.03	25.50
1.4	QPSK	1	5	24.12	24.21	24.06	25.50
1.4	QPSK	3	0	24.21	24.35	24.35	25.50
1.4	QPSK	3	1	24.15	24.28	24.12	25.50
1.4	QPSK	3	3	24.23	24.30	24.23	25.50
1.4	QPSK	6	0	23.09	23.19	23.08	24.50
1.4	16QAM	1	0	23.60	23.62	23.41	24.50

1.4	16QAM	1	3	23.34	23.46	23.35	24.50
1.4	16QAM	1	5	23.34	23.51	23.29	24.50
1.4	16QAM	3	0	23.14	23.22	23.24	24.50
1.4	16QAM	3	1	23.27	23.42	23.29	24.50
1.4	16QAM	3	3	23.31	23.27	23.23	24.50
1.4	16QAM	6	0	22.20	22.32	22.36	23.50
1.4	64QAM	1	0	22.53	22.61	22.58	23.50
1.4	64QAM	1	3	22.50	22.57	22.58	23.50
1.4	64QAM	1	5	22.48	22.59	22.63	23.50
1.4	64QAM	3	0	22.31	22.40	22.34	23.50
1.4	64QAM	3	1	22.24	22.49	22.36	23.50
1.4	64QAM	3	3	22.35	22.48	22.38	23.50
1.4	64QAM	6	0	21.35	21.43	21.29	22.50
1.4	256QAM	1	0	19.45	19.61	19.51	20.50
1.4	256QAM	1	3	19.52	19.58	19.46	20.50
1.4	256QAM	1	5	19.38	19.47	19.39	20.50
1.4	256QAM	3	0	19.38	19.42	19.41	20.50
1.4	256QAM	3	1	19.30	19.40	19.28	20.50
1.4	256QAM	3	3	19.23	19.49	19.36	20.50
1.4	256QAM	6	0	19.27	19.37	19.25	20.50

【LTE Band 12_Ant 0_EC15】

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	24.53	24.56	24.55	25.50
10	QPSK	1	25	24.17	24.25	24.11	25.50
10	QPSK	1	49	24.18	24.30	24.16	25.50
10	QPSK	25	0	23.35	23.47	23.41	24.50
10	QPSK	25	12	23.25	23.33	23.21	24.50
10	QPSK	25	25	23.28	23.33	23.28	24.50
10	QPSK	50	0	23.19	23.34	23.22	24.50
10	16QAM	1	0	23.61	23.65	23.50	24.50
10	16QAM	1	25	23.44	23.60	23.47	24.50
10	16QAM	1	49	23.37	23.54	23.42	24.50
10	16QAM	25	0	22.17	22.33	22.31	23.50
10	16QAM	25	12	22.33	22.45	22.41	23.50
10	16QAM	25	25	22.38	22.42	22.32	23.50
10	16QAM	50	0	22.29	22.44	22.42	23.50
10	64QAM	1	0	22.67	22.72	22.59	23.50
10	64QAM	1	25	22.59	22.66	22.61	23.50
10	64QAM	1	49	22.60	22.72	22.67	23.50
10	64QAM	25	0	21.42	21.49	21.41	22.50
10	64QAM	25	12	21.36	21.52	21.45	22.50
10	64QAM	25	25	21.36	21.53	21.49	22.50
10	64QAM	50	0	21.40	21.55	21.39	22.50
10	256QAM	1	0	19.48	19.62	19.54	20.50
10	256QAM	1	25	19.55	19.61	19.49	20.50
10	256QAM	1	49	19.51	19.55	19.52	20.50
10	256QAM	25	0	19.41	19.53	19.48	20.50
10	256QAM	25	12	19.42	19.52	19.39	20.50
10	256QAM	25	25	19.37	19.50	19.42	20.50
10	256QAM	50	0	19.41	19.52	19.37	20.50
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.50	24.47	24.43	25.50
5	QPSK	1	12	24.05	24.23	24.03	25.50
5	QPSK	1	24	24.07	24.22	24.10	25.50
5	QPSK	12	0	23.25	23.32	23.40	24.50
5	QPSK	12	7	23.19	23.28	23.20	24.50
5	QPSK	12	13	23.21	23.31	23.16	24.50
5	QPSK	25	0	23.18	23.27	23.16	24.50
5	16QAM	1	0	23.52	23.55	23.45	24.50
5	16QAM	1	12	23.41	23.49	23.43	24.50
5	16QAM	1	24	23.31	23.42	23.33	24.50
5	16QAM	12	0	22.08	22.32	22.17	23.50
5	16QAM	12	7	22.30	22.34	22.36	23.50
5	16QAM	12	13	22.24	22.33	22.24	23.50
5	16QAM	25	0	22.16	22.36	22.37	23.50
5	64QAM	1	0	22.61	22.57	22.46	23.50
5	64QAM	1	12	22.53	22.51	22.59	23.50



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Report No. : FA5D2207

5	64QAM	1	24	22.47	22.62	22.64	23.50
5	64QAM	12	0	21.27	21.46	21.37	22.50
5	64QAM	12	7	21.22	21.45	21.33	22.50
5	64QAM	12	13	21.32	21.43	21.35	22.50
5	64QAM	25	0	21.33	21.54	21.35	22.50
5	256QAM	1	0	19.35	19.57	19.50	20.50
5	256QAM	1	12	19.42	19.59	19.48	20.50
5	256QAM	1	24	19.48	19.46	19.45	20.50
5	256QAM	12	0	19.26	19.39	19.43	20.50
5	256QAM	12	7	19.32	19.39	19.38	20.50
5	256QAM	12	13	19.24	19.39	19.37	20.50
5	256QAM	25	0	19.38	19.40	19.27	20.50
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.42	24.54	24.43	25.50
3	QPSK	1	8	24.09	24.16	23.99	25.50
3	QPSK	1	14	24.13	24.29	24.10	25.50
3	QPSK	8	0	23.25	23.36	23.28	24.50
3	QPSK	8	4	23.20	23.18	23.16	24.50
3	QPSK	8	7	23.23	23.21	23.22	24.50
3	QPSK	15	0	23.11	23.22	23.08	24.50
3	16QAM	1	0	23.60	23.54	23.35	24.50
3	16QAM	1	8	23.35	23.52	23.39	24.50
3	16QAM	1	14	23.34	23.42	23.29	24.50
3	16QAM	8	0	22.10	22.25	22.22	23.50
3	16QAM	8	4	22.31	22.34	22.32	23.50
3	16QAM	8	7	22.32	22.28	22.27	23.50
3	16QAM	15	0	22.25	22.40	22.31	23.50
3	64QAM	1	0	22.65	22.69	22.45	23.50
3	64QAM	1	8	22.56	22.58	22.50	23.50
3	64QAM	1	14	22.57	22.59	22.63	23.50
3	64QAM	8	0	21.36	21.47	21.36	22.50
3	64QAM	8	4	21.32	21.50	21.34	22.50
3	64QAM	8	7	21.26	21.50	21.45	22.50
3	64QAM	15	0	21.34	21.50	21.32	22.50
3	256QAM	1	0	19.46	19.51	19.40	20.50
3	256QAM	1	8	19.47	19.55	19.43	20.50
3	256QAM	1	14	19.48	19.48	19.50	20.50
3	256QAM	8	0	19.26	19.40	19.45	20.50
3	256QAM	8	4	19.37	19.48	19.31	20.50
3	256QAM	8	7	19.33	19.46	19.40	20.50
3	256QAM	15	0	19.40	19.40	19.25	20.50
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.47	24.51	24.40	25.50
1.4	QPSK	1	3	24.15	24.20	24.03	25.50
1.4	QPSK	1	5	24.12	24.21	24.06	25.50
1.4	QPSK	3	0	24.21	24.35	24.35	25.50
1.4	QPSK	3	1	24.15	24.28	24.12	25.50
1.4	QPSK	3	3	24.23	24.30	24.23	25.50
1.4	QPSK	6	0	23.09	23.19	23.08	24.50
1.4	16QAM	1	0	23.60	23.62	23.41	24.50
1.4	16QAM	1	3	23.34	23.46	23.35	24.50
1.4	16QAM	1	5	23.34	23.51	23.29	24.50
1.4	16QAM	3	0	23.14	23.22	23.24	24.50
1.4	16QAM	3	1	23.27	23.42	23.29	24.50
1.4	16QAM	3	3	23.31	23.27	23.23	24.50
1.4	16QAM	6	0	22.20	22.32	22.36	23.50
1.4	64QAM	1	0	22.53	22.61	22.58	23.50
1.4	64QAM	1	3	22.50	22.57	22.58	23.50
1.4	64QAM	1	5	22.48	22.59	22.63	23.50
1.4	64QAM	3	0	22.31	22.40	22.34	23.50
1.4	64QAM	3	1	22.24	22.49	22.36	23.50
1.4	64QAM	3	3	22.35	22.48	22.38	23.50
1.4	64QAM	6	0	21.35	21.43	21.29	22.50
1.4	256QAM	1	0	19.45	19.61	19.51	20.50
1.4	256QAM	1	3	19.52	19.58	19.46	20.50
1.4	256QAM	1	5	19.38	19.47	19.39	20.50
1.4	256QAM	3	0	19.38	19.42	19.41	20.50
1.4	256QAM	3	1	19.30	19.40	19.28	20.50
1.4	256QAM	3	3	19.23	19.49	19.36	20.50
1.4	256QAM	6	0	19.27	19.37	19.25	20.50



【LTE Band 12_Ant 1_Default】

Band	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	10	QPSK	1	0	25.11	25.25	25.17	25.70
10	10	QPSK	1	25	25.00	25.15	25.02	25.70
10	10	QPSK	1	49	25.07	25.22	25.00	25.70
10	10	QPSK	25	0	24.05	24.23	24.10	24.70
10	10	QPSK	25	12	23.97	24.19	24.08	24.70
10	10	QPSK	25	25	24.01	24.18	24.01	24.70
10	10	QPSK	50	0	23.96	24.21	24.01	24.70
10	10	16QAM	1	0	24.12	24.36	24.19	24.70
10	10	16QAM	1	25	24.06	24.30	24.15	24.70
10	10	16QAM	1	49	24.16	24.33	24.11	24.70
10	10	16QAM	25	0	23.01	23.23	23.08	23.70
10	10	16QAM	25	12	22.92	23.18	23.05	23.70
10	10	16QAM	25	25	23.03	23.18	22.97	23.70
10	10	16QAM	50	0	22.91	23.17	23.00	23.70
10	10	64QAM	1	0	23.13	23.36	23.17	23.70
10	10	64QAM	1	25	23.15	23.32	23.21	23.70
10	10	64QAM	1	49	23.06	23.24	23.09	23.70
10	10	64QAM	25	0	22.02	22.19	21.97	22.70
10	10	64QAM	25	12	22.02	22.16	21.94	22.70
10	10	64QAM	25	25	21.96	22.17	22.03	22.70
10	10	64QAM	50	0	22.02	22.17	22.00	22.70
10	10	256QAM	1	0	20.07	20.30	20.16	20.70
10	10	256QAM	1	25	19.91	20.14	19.96	20.70
10	10	256QAM	1	49	20.07	20.23	20.15	20.70
10	10	256QAM	25	0	19.91	20.16	19.95	20.70
10	10	256QAM	25	12	19.98	20.15	19.97	20.70
10	10	256QAM	25	25	19.95	20.13	19.99	20.70
10	10	256QAM	50	0	19.93	20.12	19.92	20.70
Channel					23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)					701.5	707.5	713.5	
5	5	QPSK	1	0	25.02	25.18	25.06	25.70
5	5	QPSK	1	12	24.94	25.10	24.84	25.70
5	5	QPSK	1	24	24.82	25.00	25.00	25.70
5	5	QPSK	12	0	24.02	24.14	24.15	24.70
5	5	QPSK	12	7	23.85	24.05	23.98	24.70
5	5	QPSK	12	13	23.91	24.11	23.92	24.70
5	5	QPSK	25	0	23.96	24.14	23.99	24.70
5	5	16QAM	1	0	24.23	24.42	24.26	24.70
5	5	16QAM	1	12	24.16	24.25	24.11	24.70
5	5	16QAM	1	24	24.25	24.33	24.30	24.70
5	5	16QAM	12	0	22.94	23.10	22.91	23.70
5	5	16QAM	12	7	22.97	23.09	23.03	23.70
5	5	16QAM	12	13	22.93	23.02	23.09	23.70
5	5	16QAM	25	0	23.00	23.08	22.92	23.70
5	5	64QAM	1	0	23.20	23.36	23.25	23.70
5	5	64QAM	1	12	23.00	23.27	23.06	23.70
5	5	64QAM	1	24	23.11	23.29	23.21	23.70
5	5	64QAM	12	0	21.95	22.06	22.02	22.70
5	5	64QAM	12	7	21.95	22.01	21.91	22.70
5	5	64QAM	12	13	21.93	22.07	22.02	22.70
5	5	64QAM	25	0	21.97	22.14	21.96	22.70
5	5	256QAM	1	0	20.19	20.27	20.08	20.70
5	5	256QAM	1	12	19.98	20.23	19.97	20.70
5	5	256QAM	1	24	20.06	20.17	20.06	20.70
5	5	256QAM	12	0	19.98	20.05	19.90	20.70
5	5	256QAM	12	7	19.99	20.06	20.03	20.70
5	5	256QAM	12	13	19.86	20.06	19.98	20.70
5	5	256QAM	25	0	19.93	20.12	19.97	20.70
Channel					23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)					700.5	707.5	714.5	
3	3	QPSK	1	0	25.08	25.15	25.10	25.70
3	3	QPSK	1	8	24.91	25.12	24.89	25.70
3	3	QPSK	1	14	24.83	25.05	24.92	25.70
3	3	QPSK	8	0	23.98	24.17	24.15	24.70
3	3	QPSK	8	4	23.93	24.16	23.99	24.70
3	3	QPSK	8	7	23.85	24.13	23.93	24.70
3	3	QPSK	15	0	23.86	24.18	23.97	24.70
3	3	16QAM	1	0	24.18	24.42	24.22	24.70
3	3	16QAM	1	8	24.26	24.37	24.12	24.70
3	3	16QAM	1	14	24.16	24.33	24.21	24.70
3	3	16QAM	8	0	23.00	23.17	23.00	23.70
3	3	16QAM	8	4	22.97	23.05	23.06	23.70



3	16QAM	8	7	22.92	23.06	23.10	23.70
3	16QAM	15	0	22.91	23.10	22.93	23.70
3	64QAM	1	0	23.15	23.36	23.21	23.70
3	64QAM	1	8	22.98	23.14	23.11	23.70
3	64QAM	1	14	23.14	23.23	23.19	23.70
3	64QAM	8	0	21.86	22.04	21.99	22.70
3	64QAM	8	4	21.91	22.06	22.01	22.70
3	64QAM	8	7	21.92	22.02	22.03	22.70
3	64QAM	15	0	22.00	22.06	22.00	22.70
3	256QAM	1	0	20.16	20.28	20.17	20.70
3	256QAM	1	8	19.94	20.11	19.97	20.70
3	256QAM	1	14	20.00	20.11	20.00	20.70
3	256QAM	8	0	20.08	20.16	19.93	20.70
3	256QAM	8	4	19.90	20.12	20.03	20.70
3	256QAM	8	7	19.97	20.01	20.06	20.70
3	256QAM	15	0	19.86	20.07	19.97	20.70
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	25.11	25.11	25.17	25.70
1.4	QPSK	1	3	24.91	25.06	24.87	25.70
1.4	QPSK	1	5	24.87	25.04	25.01	25.70
1.4	QPSK	3	0	25.08	25.17	25.14	25.70
1.4	QPSK	3	1	24.88	25.16	24.95	25.70
1.4	QPSK	3	3	24.95	25.16	24.93	25.70
1.4	QPSK	6	0	23.96	24.12	23.92	24.70
1.4	16QAM	1	0	24.20	24.37	24.28	24.70
1.4	16QAM	1	3	24.14	24.28	24.07	24.70
1.4	16QAM	1	5	24.24	24.28	24.30	24.70
1.4	16QAM	3	0	23.91	24.09	23.97	24.70
1.4	16QAM	3	1	24.00	24.15	23.93	24.70
1.4	16QAM	3	3	23.84	24.08	24.04	24.70
1.4	16QAM	6	0	22.98	23.12	22.95	23.70
1.4	64QAM	1	0	23.10	23.43	23.16	23.70
1.4	64QAM	1	3	23.02	23.20	23.06	23.70
1.4	64QAM	1	5	23.05	23.27	23.24	23.70
1.4	64QAM	3	0	22.94	23.15	23.00	23.70
1.4	64QAM	3	1	22.92	23.10	23.00	23.70
1.4	64QAM	3	3	22.89	23.06	22.99	23.70
1.4	64QAM	6	0	21.91	22.02	21.96	22.70
1.4	256QAM	1	0	20.19	20.22	20.08	20.70
1.4	256QAM	1	3	19.93	20.11	20.02	20.70
1.4	256QAM	1	5	20.00	20.12	19.98	20.70
1.4	256QAM	3	0	20.08	20.12	20.02	20.70
1.4	256QAM	3	1	19.90	20.02	20.01	20.70
1.4	256QAM	3	3	19.84	20.12	19.96	20.70
1.4	256QAM	6	0	19.84	20.04	20.02	20.70

【LTE Band 12_Ant 1_EC1】

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	22.23	22.28	22.21	22.70
10	QPSK	1	25	22.13	22.21	22.05	22.70
10	QPSK	1	49	22.06	22.25	22.15	22.70
10	QPSK	25	0	22.19	22.24	22.13	22.70
10	QPSK	25	12	22.11	22.18	22.04	22.70
10	QPSK	25	25	22.05	22.16	21.97	22.70
10	QPSK	50	0	22.06	22.15	21.99	22.70
10	16QAM	1	0	22.06	22.13	22.00	22.70
10	16QAM	1	25	22.04	22.19	22.01	22.70
10	16QAM	1	49	22.02	22.14	22.03	22.70
10	16QAM	25	0	21.95	22.11	21.97	22.70
10	16QAM	25	12	22.02	22.15	22.04	22.70
10	16QAM	25	25	22.06	22.13	21.92	22.70
10	16QAM	50	0	21.94	22.11	22.01	22.70
10	64QAM	1	0	21.87	22.04	21.91	22.70
10	64QAM	1	25	21.88	22.03	21.86	22.70
10	64QAM	1	49	21.93	22.02	21.86	22.70
10	64QAM	25	0	22.03	22.14	22.04	22.70
10	64QAM	25	12	21.89	22.06	21.88	22.70
10	64QAM	25	25	22.01	22.07	21.88	22.70



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10	64QAM	50	0	21.95	22.03	21.94	22.70
10	256QAM	1	0	20.04	20.16	19.96	20.70
10	256QAM	1	25	20.06	20.15	19.94	20.70
10	256QAM	1	49	19.99	20.11	19.98	20.70
10	256QAM	25	0	20.00	20.08	19.92	20.70
10	256QAM	25	12	19.99	20.10	19.95	20.70
10	256QAM	25	25	19.98	20.06	19.91	20.70
10	256QAM	50	0	19.96	20.04	19.95	20.70
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.13	22.26	22.17	22.70
5	QPSK	1	12	22.06	22.18	21.94	22.70
5	QPSK	1	24	21.99	22.24	22.07	22.70
5	QPSK	12	0	22.02	22.10	22.01	22.70
5	QPSK	12	7	21.97	22.09	21.91	22.70
5	QPSK	12	13	22.00	22.06	21.96	22.70
5	QPSK	25	0	21.95	22.06	21.89	22.70
5	16QAM	1	0	22.01	22.07	21.96	22.70
5	16QAM	1	12	21.92	22.05	21.87	22.70
5	16QAM	1	24	21.94	22.02	21.92	22.70
5	16QAM	12	0	21.84	21.96	21.87	22.70
5	16QAM	12	7	21.94	22.04	21.90	22.70
5	16QAM	12	13	22.02	22.11	21.84	22.70
5	16QAM	25	0	21.85	22.01	21.97	22.70
5	64QAM	1	0	21.84	21.97	21.84	22.70
5	64QAM	1	12	21.76	21.91	21.80	22.70
5	64QAM	1	24	21.88	21.98	21.78	22.70
5	64QAM	12	0	21.88	21.99	21.96	22.70
5	64QAM	12	7	21.78	22.05	21.74	22.70
5	64QAM	12	13	21.92	21.99	21.80	22.70
5	64QAM	25	0	21.90	21.89	21.86	22.70
5	256QAM	1	0	19.90	20.13	19.95	20.70
5	256QAM	1	12	19.94	20.11	19.87	20.70
5	256QAM	1	24	19.86	20.03	19.95	20.70
5	256QAM	12	0	19.85	20.04	19.77	20.70
5	256QAM	12	7	19.89	20.04	19.92	20.70
5	256QAM	12	13	19.89	20.03	19.77	20.70
5	256QAM	25	0	19.92	20.01	19.84	20.70
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.18	22.19	22.13	22.70
3	QPSK	1	8	22.05	22.08	22.03	22.70
3	QPSK	1	14	21.96	22.17	22.09	22.70
3	QPSK	8	0	21.96	22.21	21.95	22.70
3	QPSK	8	4	21.98	22.07	21.99	22.70
3	QPSK	8	7	21.96	22.12	21.84	22.70
3	QPSK	15	0	21.92	22.01	21.89	22.70
3	16QAM	1	0	21.97	22.06	21.95	22.70
3	16QAM	1	8	22.00	22.15	21.94	22.70
3	16QAM	1	14	21.89	22.05	22.00	22.70
3	16QAM	8	0	21.93	21.96	21.95	22.70
3	16QAM	8	4	21.99	22.04	22.01	22.70
3	16QAM	8	7	21.93	22.10	21.83	22.70
3	16QAM	15	0	21.84	21.96	21.95	22.70
3	64QAM	1	0	21.74	22.01	21.79	22.70
3	64QAM	1	8	21.75	22.01	21.84	22.70
3	64QAM	1	14	21.84	21.97	21.75	22.70
3	64QAM	8	0	21.95	22.01	21.92	22.70
3	64QAM	8	4	21.84	21.93	21.75	22.70
3	64QAM	8	7	21.98	21.92	21.75	22.70
3	64QAM	15	0	21.87	21.96	21.90	22.70
3	256QAM	1	0	19.95	20.12	19.93	20.70
3	256QAM	1	8	20.02	20.04	19.84	20.70
3	256QAM	1	14	19.96	20.00	19.86	20.70
3	256QAM	8	0	19.93	20.06	19.86	20.70
3	256QAM	8	4	19.97	20.09	19.88	20.70
3	256QAM	8	7	19.93	20.01	19.87	20.70
3	256QAM	15	0	19.84	19.90	19.80	20.70
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.14	22.22	22.15	22.70
1.4	QPSK	1	3	22.06	22.07	22.00	22.70
1.4	QPSK	1	5	22.01	22.18	22.12	22.70
1.4	QPSK	3	0	22.00	22.16	21.97	22.70
1.4	QPSK	3	1	22.03	22.08	21.95	22.70
1.4	QPSK	3	3	21.91	22.10	21.89	22.70
1.4	QPSK	6	0	21.95	22.08	21.95	22.70
1.4	16QAM	1	0	22.00	22.10	21.91	22.70



1.4	16QAM	1	3	22.02	22.15	21.87	22.70
1.4	16QAM	1	5	21.91	22.08	21.98	22.70
1.4	16QAM	3	0	21.85	22.05	21.88	22.70
1.4	16QAM	3	1	21.94	22.04	22.01	22.70
1.4	16QAM	3	3	22.00	22.04	21.86	22.70
1.4	16QAM	6	0	21.92	22.01	21.96	22.70
1.4	64QAM	1	0	21.83	21.98	21.83	22.70
1.4	64QAM	1	3	21.77	21.96	21.75	22.70
1.4	64QAM	1	5	21.91	22.00	21.72	22.70
1.4	64QAM	3	0	21.92	22.10	21.99	22.70
1.4	64QAM	3	1	21.85	22.04	21.80	22.70
1.4	64QAM	3	3	21.93	22.05	21.84	22.70
1.4	64QAM	6	0	21.91	21.90	21.87	22.70
1.4	256QAM	1	0	19.97	20.10	19.92	20.70
1.4	256QAM	1	3	19.93	20.06	19.87	20.70
1.4	256QAM	1	5	19.93	19.99	19.91	20.70
1.4	256QAM	3	0	19.92	20.03	19.88	20.70
1.4	256QAM	3	1	19.84	20.06	19.81	20.70
1.4	256QAM	3	3	19.96	19.96	19.81	20.70
1.4	256QAM	6	0	19.82	19.97	19.83	20.70

【LTE Band 12_Ant 1_EC13】

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	21.71	21.72	21.70	22.20
10	QPSK	1	25	21.44	21.55	21.44	22.20
10	QPSK	1	49	21.48	21.53	21.45	22.20
10	QPSK	25	0	21.63	21.67	21.66	22.20
10	QPSK	25	12	21.54	21.59	21.45	22.20
10	QPSK	25	25	21.55	21.59	21.44	22.20
10	QPSK	50	0	21.56	21.62	21.60	22.20
10	16QAM	1	0	21.46	21.54	21.42	22.20
10	16QAM	1	25	21.42	21.49	21.46	22.20
10	16QAM	1	49	21.45	21.49	21.38	22.20
10	16QAM	25	0	21.50	21.59	21.55	22.20
10	16QAM	25	12	21.46	21.51	21.35	22.20
10	16QAM	25	25	21.41	21.50	21.37	22.20
10	16QAM	50	0	21.47	21.63	21.50	22.20
10	64QAM	1	0	21.56	21.59	21.49	22.20
10	64QAM	1	25	21.48	21.52	21.41	22.20
10	64QAM	1	49	21.53	21.61	21.54	22.20
10	64QAM	25	0	21.51	21.53	21.37	22.20
10	64QAM	25	12	21.35	21.50	21.46	22.20
10	64QAM	25	25	21.64	21.72	21.66	22.20
10	64QAM	50	0	21.52	21.55	21.40	22.20
10	256QAM	1	0	20.07	20.30	20.16	20.70
10	256QAM	1	25	19.91	20.14	19.96	20.70
10	256QAM	1	49	20.07	20.23	20.15	20.70
10	256QAM	25	0	19.91	20.16	19.95	20.70
10	256QAM	25	12	19.98	20.15	19.97	20.70
10	256QAM	25	25	19.95	20.13	19.99	20.70
10	256QAM	50	0	19.93	20.12	19.92	20.70
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	21.59	21.68	21.65	22.20
5	QPSK	1	12	21.42	21.40	21.42	22.20
5	QPSK	1	24	21.37	21.50	21.33	22.20
5	QPSK	12	0	21.50	21.58	21.54	22.20
5	QPSK	12	7	21.46	21.52	21.33	22.20
5	QPSK	12	13	21.49	21.52	21.32	22.20
5	QPSK	25	0	21.44	21.49	21.53	22.20
5	16QAM	1	0	21.33	21.39	21.34	22.20
5	16QAM	1	12	21.36	21.41	21.37	22.20
5	16QAM	1	24	21.41	21.42	21.30	22.20
5	16QAM	12	0	21.41	21.50	21.48	22.20
5	16QAM	12	7	21.40	21.50	21.24	22.20
5	16QAM	12	13	21.30	21.46	21.31	22.20
5	16QAM	25	0	21.43	21.53	21.44	22.20
5	64QAM	1	0	21.42	21.44	21.44	22.20
5	64QAM	1	12	21.43	21.49	21.39	22.20



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5	64QAM	1	24	21.42	21.52	21.52	22.20
5	64QAM	12	0	21.42	21.41	21.34	22.20
5	64QAM	12	7	21.32	21.43	21.39	22.20
5	64QAM	12	13	21.52	21.69	21.56	22.20
5	64QAM	25	0	21.44	21.50	21.32	22.20
5	256QAM	1	0	20.01	20.25	20.05	20.70
5	256QAM	1	12	19.78	20.13	19.86	20.70
5	256QAM	1	24	20.01	20.14	20.13	20.70
5	256QAM	12	0	19.85	20.14	19.90	20.70
5	256QAM	12	7	19.88	20.08	19.91	20.70
5	256QAM	12	13	19.82	20.10	19.90	20.70
5	256QAM	25	0	19.83	20.03	19.79	20.70
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	21.70	21.64	21.62	22.20
3	QPSK	1	8	21.34	21.41	21.40	22.20
3	QPSK	1	14	21.42	21.49	21.32	22.20
3	QPSK	8	0	21.59	21.53	21.55	22.20
3	QPSK	8	4	21.45	21.45	21.36	22.20
3	QPSK	8	7	21.42	21.48	21.32	22.20
3	QPSK	15	0	21.41	21.53	21.53	22.20
3	16QAM	1	0	21.45	21.45	21.30	22.20
3	16QAM	1	8	21.30	21.43	21.44	22.20
3	16QAM	1	14	21.34	21.43	21.24	22.20
3	16QAM	8	0	21.40	21.47	21.42	22.20
3	16QAM	8	4	21.41	21.48	21.25	22.20
3	16QAM	8	7	21.29	21.46	21.27	22.20
3	16QAM	15	0	21.40	21.52	21.36	22.20
3	64QAM	1	0	21.50	21.53	21.35	22.20
3	64QAM	1	8	21.35	21.42	21.27	22.20
3	64QAM	1	14	21.38	21.46	21.47	22.20
3	64QAM	8	0	21.37	21.41	21.30	22.20
3	64QAM	8	4	21.29	21.47	21.32	22.20
3	64QAM	8	7	21.54	21.61	21.57	22.20
3	64QAM	15	0	21.41	21.42	21.28	22.20
3	256QAM	1	0	20.05	20.21	20.04	20.70
3	256QAM	1	8	19.79	20.13	19.83	20.70
3	256QAM	1	14	19.96	20.12	20.02	20.70
3	256QAM	8	0	19.87	20.05	19.91	20.70
3	256QAM	8	4	19.88	20.13	19.93	20.70
3	256QAM	8	7	19.90	20.11	19.91	20.70
3	256QAM	15	0	19.81	20.01	19.86	20.70
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.60	21.63	21.58	22.20
1.4	QPSK	1	3	21.29	21.46	21.41	22.20
1.4	QPSK	1	5	21.42	21.51	21.42	22.20
1.4	QPSK	3	0	21.54	21.60	21.62	22.20
1.4	QPSK	3	1	21.44	21.47	21.38	22.20
1.4	QPSK	3	3	21.41	21.57	21.36	22.20
1.4	QPSK	6	0	21.43	21.59	21.49	22.20
1.4	16QAM	1	0	21.41	21.48	21.38	22.20
1.4	16QAM	1	3	21.40	21.48	21.35	22.20
1.4	16QAM	1	5	21.37	21.41	21.35	22.20
1.4	16QAM	3	0	21.48	21.46	21.42	22.20
1.4	16QAM	3	1	21.38	21.38	21.25	22.20
1.4	16QAM	3	3	21.32	21.47	21.25	22.20
1.4	16QAM	6	0	21.39	21.55	21.47	22.20
1.4	64QAM	1	0	21.48	21.57	21.36	22.20
1.4	64QAM	1	3	21.42	21.38	21.30	22.20
1.4	64QAM	1	5	21.42	21.51	21.53	22.20
1.4	64QAM	3	0	21.42	21.40	21.33	22.20
1.4	64QAM	3	1	21.21	21.42	21.38	22.20
1.4	64QAM	3	3	21.58	21.59	21.59	22.20
1.4	64QAM	6	0	21.39	21.42	21.29	22.20
1.4	256QAM	1	0	20.01	20.24	20.05	20.70
1.4	256QAM	1	3	19.79	20.03	19.90	20.70
1.4	256QAM	1	5	19.94	20.21	20.07	20.70
1.4	256QAM	3	0	19.81	20.01	19.90	20.70
1.4	256QAM	3	1	19.86	20.01	19.84	20.70
1.4	256QAM	3	3	19.91	20.07	19.94	20.70
1.4	256QAM	6	0	19.85	20.05	19.89	20.70



【LTE Band 12_Ant 1_ECI4】

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	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	25.11	25.25	25.17	25.70
10	QPSK	1	25	25.00	25.15	25.02	25.70
10	QPSK	1	49	25.07	25.22	25.00	25.70
10	QPSK	25	0	24.05	24.23	24.10	24.70
10	QPSK	25	12	23.97	24.19	24.08	24.70
10	QPSK	25	25	24.01	24.18	24.01	24.70
10	QPSK	50	0	23.96	24.21	24.01	24.70
10	16QAM	1	0	24.12	24.36	24.19	24.70
10	16QAM	1	25	24.06	24.30	24.15	24.70
10	16QAM	1	49	24.16	24.33	24.11	24.70
10	16QAM	25	0	23.01	23.23	23.08	23.70
10	16QAM	25	12	22.92	23.18	23.05	23.70
10	16QAM	25	25	23.03	23.18	22.97	23.70
10	16QAM	50	0	22.91	23.17	23.00	23.70
10	64QAM	1	0	23.13	23.36	23.17	23.70
10	64QAM	1	25	23.15	23.32	23.21	23.70
10	64QAM	1	49	23.06	23.24	23.09	23.70
10	64QAM	25	0	22.02	22.19	21.97	22.70
10	64QAM	25	12	22.02	22.16	21.94	22.70
10	64QAM	25	25	21.96	22.17	22.03	22.70
10	64QAM	50	0	22.02	22.17	22.00	22.70
10	256QAM	1	0	20.07	20.30	20.16	20.70
10	256QAM	1	25	19.91	20.14	19.96	20.70
10	256QAM	1	49	20.07	20.23	20.15	20.70
10	256QAM	25	0	19.91	20.16	19.95	20.70
10	256QAM	25	12	19.98	20.15	19.97	20.70
10	256QAM	25	25	19.95	20.13	19.99	20.70
10	256QAM	50	0	19.93	20.12	19.92	20.70
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	25.02	25.18	25.06	25.70
5	QPSK	1	12	24.94	25.10	24.84	25.70
5	QPSK	1	24	24.82	25.00	25.00	25.70
5	QPSK	12	0	24.02	24.14	24.15	24.70
5	QPSK	12	7	23.85	24.05	23.98	24.70
5	QPSK	12	13	23.91	24.11	23.92	24.70
5	QPSK	25	0	23.96	24.14	23.99	24.70
5	16QAM	1	0	24.23	24.42	24.26	24.70
5	16QAM	1	12	24.16	24.25	24.11	24.70
5	16QAM	1	24	24.25	24.33	24.30	24.70
5	16QAM	12	0	22.94	23.10	22.91	23.70
5	16QAM	12	7	22.97	23.09	23.03	23.70
5	16QAM	12	13	22.93	23.02	23.09	23.70
5	16QAM	25	0	23.00	23.08	22.92	23.70
5	64QAM	1	0	23.20	23.36	23.25	23.70
5	64QAM	1	12	23.00	23.27	23.06	23.70
5	64QAM	1	24	23.11	23.29	23.21	23.70
5	64QAM	12	0	21.95	22.06	22.02	22.70
5	64QAM	12	7	21.95	22.01	21.91	22.70
5	64QAM	12	13	21.93	22.07	22.02	22.70
5	64QAM	25	0	21.97	22.14	21.96	22.70
5	256QAM	1	0	20.19	20.27	20.08	20.70
5	256QAM	1	12	19.98	20.23	19.97	20.70
5	256QAM	1	24	20.06	20.17	20.06	20.70
5	256QAM	12	0	19.98	20.05	19.90	20.70
5	256QAM	12	7	19.99	20.06	20.03	20.70
5	256QAM	12	13	19.86	20.06	19.98	20.70
5	256QAM	25	0	19.93	20.12	19.97	20.70
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	25.08	25.15	25.10	25.70
3	QPSK	1	8	24.91	25.12	24.89	25.70
3	QPSK	1	14	24.83	25.05	24.92	25.70
3	QPSK	8	0	23.98	24.17	24.15	24.70
3	QPSK	8	4	23.93	24.16	23.99	24.70
3	QPSK	8	7	23.85	24.13	23.93	24.70
3	QPSK	15	0	23.86	24.18	23.97	24.70
3	16QAM	1	0	24.18	24.42	24.22	24.70
3	16QAM	1	8	24.26	24.37	24.12	24.70
3	16QAM	1	14	24.16	24.33	24.21	24.70
3	16QAM	8	0	23.00	23.17	23.00	23.70
3	16QAM	8	4	22.97	23.05	23.06	23.70



3	16QAM	8	7	22.92	23.06	23.10	23.70
3	16QAM	15	0	22.91	23.10	22.93	23.70
3	64QAM	1	0	23.15	23.36	23.21	23.70
3	64QAM	1	8	22.98	23.14	23.11	23.70
3	64QAM	1	14	23.14	23.23	23.19	23.70
3	64QAM	8	0	21.86	22.04	21.99	22.70
3	64QAM	8	4	21.91	22.06	22.01	22.70
3	64QAM	8	7	21.92	22.02	22.03	22.70
3	64QAM	15	0	22.00	22.06	22.00	22.70
3	256QAM	1	0	20.16	20.28	20.17	20.70
3	256QAM	1	8	19.94	20.11	19.97	20.70
3	256QAM	1	14	20.00	20.11	20.00	20.70
3	256QAM	8	0	20.08	20.16	19.93	20.70
3	256QAM	8	4	19.90	20.12	20.03	20.70
3	256QAM	8	7	19.97	20.01	20.06	20.70
3	256QAM	15	0	19.86	20.07	19.97	20.70
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	25.11	25.11	25.17	25.70
1.4	QPSK	1	3	24.91	25.06	24.87	25.70
1.4	QPSK	1	5	24.87	25.04	25.01	25.70
1.4	QPSK	3	0	25.08	25.17	25.14	25.70
1.4	QPSK	3	1	24.88	25.16	24.95	25.70
1.4	QPSK	3	3	24.95	25.16	24.93	25.70
1.4	QPSK	6	0	23.96	24.12	23.92	24.70
1.4	16QAM	1	0	24.20	24.37	24.28	24.70
1.4	16QAM	1	3	24.14	24.28	24.07	24.70
1.4	16QAM	1	5	24.24	24.28	24.30	24.70
1.4	16QAM	3	0	23.91	24.09	23.97	24.70
1.4	16QAM	3	1	24.00	24.15	23.93	24.70
1.4	16QAM	3	3	23.84	24.08	24.04	24.70
1.4	16QAM	6	0	22.98	23.12	22.95	23.70
1.4	64QAM	1	0	23.10	23.43	23.16	23.70
1.4	64QAM	1	3	23.02	23.20	23.06	23.70
1.4	64QAM	1	5	23.05	23.27	23.24	23.70
1.4	64QAM	3	0	22.94	23.15	23.00	23.70
1.4	64QAM	3	1	22.92	23.10	23.00	23.70
1.4	64QAM	3	3	22.89	23.06	22.99	23.70
1.4	64QAM	6	0	21.91	22.02	21.96	22.70
1.4	256QAM	1	0	20.19	20.22	20.08	20.70
1.4	256QAM	1	3	19.93	20.11	20.02	20.70
1.4	256QAM	1	5	20.00	20.12	19.98	20.70
1.4	256QAM	3	0	20.08	20.12	20.02	20.70
1.4	256QAM	3	1	19.90	20.02	20.01	20.70
1.4	256QAM	3	3	19.84	20.12	19.96	20.70
1.4	256QAM	6	0	19.84	20.04	20.02	20.70

【LTE Band 12_Ant 1_EC15】

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	21.71	21.72	21.70	22.20
10	QPSK	1	25	21.44	21.55	21.44	22.20
10	QPSK	1	49	21.48	21.53	21.45	22.20
10	QPSK	25	0	21.63	21.67	21.66	22.20
10	QPSK	25	12	21.54	21.59	21.45	22.20
10	QPSK	25	25	21.55	21.59	21.44	22.20
10	QPSK	50	0	21.56	21.62	21.60	22.20
10	16QAM	1	0	21.46	21.54	21.42	22.20
10	16QAM	1	25	21.42	21.49	21.46	22.20
10	16QAM	1	49	21.45	21.49	21.38	22.20
10	16QAM	25	0	21.50	21.59	21.55	22.20
10	16QAM	25	12	21.46	21.51	21.35	22.20
10	16QAM	25	25	21.41	21.50	21.37	22.20
10	16QAM	50	0	21.47	21.63	21.50	22.20
10	64QAM	1	0	21.56	21.59	21.49	22.20
10	64QAM	1	25	21.48	21.52	21.41	22.20
10	64QAM	1	49	21.53	21.61	21.54	22.20
10	64QAM	25	0	21.51	21.53	21.37	22.20
10	64QAM	25	12	21.35	21.50	21.46	22.20
10	64QAM	25	25	21.64	21.72	21.66	22.20



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10	64QAM	50	0	21.52	21.55	21.40	22.20
10	256QAM	1	0	20.07	20.30	20.16	20.70
10	256QAM	1	25	19.91	20.14	19.96	20.70
10	256QAM	1	49	20.07	20.23	20.15	20.70
10	256QAM	25	0	19.91	20.16	19.95	20.70
10	256QAM	25	12	19.98	20.15	19.97	20.70
10	256QAM	25	25	19.95	20.13	19.99	20.70
10	256QAM	50	0	19.93	20.12	19.92	20.70
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	21.59	21.68	21.65	22.20
5	QPSK	1	12	21.42	21.40	21.42	22.20
5	QPSK	1	24	21.37	21.50	21.33	22.20
5	QPSK	12	0	21.50	21.58	21.54	22.20
5	QPSK	12	7	21.46	21.52	21.33	22.20
5	QPSK	12	13	21.49	21.52	21.32	22.20
5	QPSK	25	0	21.44	21.49	21.53	22.20
5	16QAM	1	0	21.33	21.39	21.34	22.20
5	16QAM	1	12	21.36	21.41	21.37	22.20
5	16QAM	1	24	21.41	21.42	21.30	22.20
5	16QAM	12	0	21.41	21.50	21.48	22.20
5	16QAM	12	7	21.40	21.50	21.24	22.20
5	16QAM	12	13	21.30	21.46	21.31	22.20
5	16QAM	25	0	21.43	21.53	21.44	22.20
5	64QAM	1	0	21.42	21.44	21.44	22.20
5	64QAM	1	12	21.43	21.49	21.39	22.20
5	64QAM	1	24	21.42	21.52	21.52	22.20
5	64QAM	12	0	21.42	21.41	21.34	22.20
5	64QAM	12	7	21.32	21.43	21.39	22.20
5	64QAM	12	13	21.52	21.69	21.56	22.20
5	64QAM	25	0	21.44	21.50	21.32	22.20
5	256QAM	1	0	20.01	20.25	20.05	20.70
5	256QAM	1	12	19.78	20.13	19.86	20.70
5	256QAM	1	24	20.01	20.14	20.13	20.70
5	256QAM	12	0	19.85	20.14	19.90	20.70
5	256QAM	12	7	19.88	20.08	19.91	20.70
5	256QAM	12	13	19.82	20.10	19.90	20.70
5	256QAM	25	0	19.83	20.03	19.79	20.70
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	21.70	21.64	21.62	22.20
3	QPSK	1	8	21.34	21.41	21.40	22.20
3	QPSK	1	14	21.42	21.49	21.32	22.20
3	QPSK	8	0	21.59	21.53	21.55	22.20
3	QPSK	8	4	21.45	21.45	21.36	22.20
3	QPSK	8	7	21.42	21.48	21.32	22.20
3	QPSK	15	0	21.41	21.53	21.53	22.20
3	16QAM	1	0	21.45	21.45	21.30	22.20
3	16QAM	1	8	21.30	21.43	21.44	22.20
3	16QAM	1	14	21.34	21.43	21.24	22.20
3	16QAM	8	0	21.40	21.47	21.42	22.20
3	16QAM	8	4	21.41	21.48	21.25	22.20
3	16QAM	8	7	21.29	21.46	21.27	22.20
3	16QAM	15	0	21.40	21.52	21.36	22.20
3	64QAM	1	0	21.50	21.53	21.35	22.20
3	64QAM	1	8	21.35	21.42	21.27	22.20
3	64QAM	1	14	21.38	21.46	21.47	22.20
3	64QAM	8	0	21.37	21.41	21.30	22.20
3	64QAM	8	4	21.29	21.47	21.32	22.20
3	64QAM	8	7	21.54	21.61	21.57	22.20
3	64QAM	15	0	21.41	21.42	21.28	22.20
3	256QAM	1	0	20.05	20.21	20.04	20.70
3	256QAM	1	8	19.79	20.13	19.83	20.70
3	256QAM	1	14	19.96	20.12	20.02	20.70
3	256QAM	8	0	19.87	20.05	19.91	20.70
3	256QAM	8	4	19.88	20.13	19.93	20.70
3	256QAM	8	7	19.90	20.11	19.91	20.70
3	256QAM	15	0	19.81	20.01	19.86	20.70
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	21.60	21.63	21.58	22.20
1.4	QPSK	1	3	21.29	21.46	21.41	22.20
1.4	QPSK	1	5	21.42	21.51	21.42	22.20
1.4	QPSK	3	0	21.54	21.60	21.62	22.20
1.4	QPSK	3	1	21.44	21.47	21.38	22.20
1.4	QPSK	3	3	21.41	21.57	21.36	22.20
1.4	QPSK	6	0	21.43	21.59	21.49	22.20
1.4	16QAM	1	0	21.41	21.48	21.38	22.20



1.4	16QAM	1	3	21.40	21.48	21.35	22.20
1.4	16QAM	1	5	21.37	21.41	21.35	22.20
1.4	16QAM	3	0	21.48	21.46	21.42	22.20
1.4	16QAM	3	1	21.38	21.38	21.25	22.20
1.4	16QAM	3	3	21.32	21.47	21.25	22.20
1.4	16QAM	6	0	21.39	21.55	21.47	22.20
1.4	64QAM	1	0	21.48	21.57	21.36	22.20
1.4	64QAM	1	3	21.42	21.38	21.30	22.20
1.4	64QAM	1	5	21.42	21.51	21.53	22.20
1.4	64QAM	3	0	21.42	21.40	21.33	22.20
1.4	64QAM	3	1	21.21	21.42	21.38	22.20
1.4	64QAM	3	3	21.58	21.59	21.59	22.20
1.4	64QAM	6	0	21.39	21.42	21.29	22.20
1.4	256QAM	1	0	20.01	20.24	20.05	20.70
1.4	256QAM	1	3	19.79	20.03	19.90	20.70
1.4	256QAM	1	5	19.94	20.21	20.07	20.70
1.4	256QAM	3	0	19.81	20.01	19.90	20.70
1.4	256QAM	3	1	19.86	20.01	19.84	20.70
1.4	256QAM	3	3	19.91	20.07	19.94	20.70
1.4	256QAM	6	0	19.85	20.05	19.89	20.70

【LTE Band 13_Ant 0_Default】

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		24.75		25.50
10	QPSK	1	25		24.74		25.50
10	QPSK	1	49		24.71		25.50
10	QPSK	25	0		23.87		24.50
10	QPSK	25	12		23.81		24.50
10	QPSK	25	25		23.85		24.50
10	QPSK	50	0		23.86		24.50
10	16QAM	1	0		23.96		24.50
10	16QAM	1	25		23.97		24.50
10	16QAM	1	49		23.96		24.50
10	16QAM	25	0		22.85		23.50
10	16QAM	25	12		22.80		23.50
10	16QAM	25	25		22.82		23.50
10	16QAM	50	0		22.86		23.50
10	64QAM	1	0		22.87		23.50
10	64QAM	1	25		22.91		23.50
10	64QAM	1	49		22.89		23.50
10	64QAM	25	0		21.82		22.50
10	64QAM	25	12		21.80		22.50
10	64QAM	25	25		21.81		22.50
10	64QAM	50	0		21.84		22.50
10	256QAM	1	0		19.83		20.50
10	256QAM	1	25		19.87		20.50
10	256QAM	1	49		19.84		20.50
10	256QAM	25	0		19.80		20.50
10	256QAM	25	12		19.77		20.50
10	256QAM	25	25		19.77		20.50
10	256QAM	50	0		19.83		20.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.63	24.72	24.74	25.50
5	QPSK	1	12	24.64	24.71	24.70	25.50
5	QPSK	1	24	24.61	24.66	24.71	25.50
5	QPSK	12	0	23.71	23.82	23.82	24.50
5	QPSK	12	7	23.69	23.77	23.71	24.50
5	QPSK	12	13	23.74	23.81	23.79	24.50
5	QPSK	25	0	23.73	23.81	23.79	24.50
5	16QAM	1	0	23.87	23.95	23.96	24.50
5	16QAM	1	12	23.81	23.94	23.88	24.50
5	16QAM	1	24	23.83	23.94	23.94	24.50
5	16QAM	12	0	22.74	22.75	22.83	23.50
5	16QAM	12	7	22.66	22.74	22.71	23.50
5	16QAM	12	13	22.73	22.81	22.73	23.50
5	16QAM	25	0	22.69	22.83	22.80	23.50
5	64QAM	1	0	22.78	22.85	22.84	23.50
5	64QAM	1	12	22.81	22.87	22.82	23.50

5	64QAM	1	24	22.82	22.85	22.86	23.50
5	64QAM	12	0	21.73	21.76	21.81	22.50
5	64QAM	12	7	21.66	21.75	21.79	22.50
5	64QAM	12	13	21.66	21.74	21.77	22.50
5	64QAM	25	0	21.68	21.75	21.80	22.50
5	256QAM	1	0	19.67	19.81	19.76	20.50
5	256QAM	1	12	19.72	19.86	19.87	20.50
5	256QAM	1	24	19.69	19.79	19.79	20.50
5	256QAM	12	0	19.72	19.77	19.80	20.50
5	256QAM	12	7	19.64	19.71	19.72	20.50
5	256QAM	12	13	19.70	19.67	19.74	20.50
5	256QAM	25	0	19.73	19.80	19.74	20.50

【LTE Band 13_Ant 0_ECI1】

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		24.75		25.50
10	QPSK	1	25		24.74		25.50
10	QPSK	1	49		24.71		25.50
10	QPSK	25	0		23.87		24.50
10	QPSK	25	12		23.81		24.50
10	QPSK	25	25		23.85		24.50
10	QPSK	50	0		23.86		24.50
10	16QAM	1	0		23.96		24.50
10	16QAM	1	25		23.97		24.50
10	16QAM	1	49		23.96		24.50
10	16QAM	25	0		22.85		23.50
10	16QAM	25	12		22.80		23.50
10	16QAM	25	25		22.82		23.50
10	16QAM	50	0		22.86		23.50
10	64QAM	1	0		22.87		23.50
10	64QAM	1	25		22.91		23.50
10	64QAM	1	49		22.89		23.50
10	64QAM	25	0		21.82		22.50
10	64QAM	25	12		21.80		22.50
10	64QAM	25	25		21.81		22.50
10	64QAM	50	0		21.84		22.50
10	256QAM	1	0		19.83		20.50
10	256QAM	1	25		19.87		20.50
10	256QAM	1	49		19.84		20.50
10	256QAM	25	0		19.80		20.50
10	256QAM	25	12		19.77		20.50
10	256QAM	25	25		19.77		20.50
10	256QAM	50	0		19.83		20.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	24.63	24.72	24.74	25.50
5	QPSK	1	12	24.64	24.71	24.70	25.50
5	QPSK	1	24	24.61	24.66	24.71	25.50
5	QPSK	12	0	23.71	23.82	23.82	24.50
5	QPSK	12	7	23.69	23.77	23.71	24.50
5	QPSK	12	13	23.74	23.81	23.79	24.50
5	QPSK	25	0	23.73	23.81	23.79	24.50
5	16QAM	1	0	23.87	23.95	23.96	24.50
5	16QAM	1	12	23.81	23.94	23.88	24.50
5	16QAM	1	24	23.83	23.94	23.94	24.50
5	16QAM	12	0	22.74	22.75	22.83	23.50
5	16QAM	12	7	22.66	22.74	22.71	23.50
5	16QAM	12	13	22.73	22.81	22.73	23.50
5	16QAM	25	0	22.69	22.83	22.80	23.50
5	64QAM	1	0	22.78	22.85	22.84	23.50
5	64QAM	1	12	22.81	22.87	22.82	23.50
5	64QAM	1	24	22.82	22.85	22.86	23.50
5	64QAM	12	0	21.73	21.76	21.81	22.50
5	64QAM	12	7	21.66	21.75	21.79	22.50
5	64QAM	12	13	21.66	21.74	21.77	22.50
5	64QAM	25	0	21.68	21.75	21.80	22.50
5	256QAM	1	0	19.67	19.81	19.76	20.50
5	256QAM	1	12	19.72	19.86	19.87	20.50
5	256QAM	1	24	19.69	19.79	19.79	20.50



5	256QAM	12	0	19.72	19.77	19.80	20.50
5	256QAM	12	7	19.64	19.71	19.72	20.50
5	256QAM	12	13	19.70	19.67	19.74	20.50
5	256QAM	25	0	19.73	19.80	19.74	20.50

【LTE Band 13_Ant 0_ECI3】

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		24.75		25.50
10	QPSK	1	25		24.74		25.50
10	QPSK	1	49		24.71		25.50
10	QPSK	25	0		23.87		24.50
10	QPSK	25	12		23.81		24.50
10	QPSK	25	25		23.85		24.50
10	QPSK	50	0		23.86		24.50
10	16QAM	1	0		23.96		24.50
10	16QAM	1	25		23.97		24.50
10	16QAM	1	49		23.96		24.50
10	16QAM	25	0		22.85		23.50
10	16QAM	25	12		22.80		23.50
10	16QAM	25	25		22.82		23.50
10	16QAM	50	0		22.86		23.50
10	64QAM	1	0		22.87		23.50
10	64QAM	1	25		22.91		23.50
10	64QAM	1	49		22.89		23.50
10	64QAM	25	0		21.82		22.50
10	64QAM	25	12		21.80		22.50
10	64QAM	25	25		21.81		22.50
10	64QAM	50	0		21.84		22.50
10	256QAM	1	0		19.83		20.50
10	256QAM	1	25		19.87		20.50
10	256QAM	1	49		19.84		20.50
10	256QAM	25	0		19.80		20.50
10	256QAM	25	12		19.77		20.50
10	256QAM	25	25		19.77		20.50
10	256QAM	50	0		19.83		20.50
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	24.63	24.72	24.74	25.50
5	QPSK	1	12	24.64	24.71	24.70	25.50
5	QPSK	1	24	24.61	24.66	24.71	25.50
5	QPSK	12	0	23.71	23.82	23.82	24.50
5	QPSK	12	7	23.69	23.77	23.71	24.50
5	QPSK	12	13	23.74	23.81	23.79	24.50
5	QPSK	25	0	23.73	23.81	23.79	24.50
5	16QAM	1	0	23.87	23.95	23.96	24.50
5	16QAM	1	12	23.81	23.94	23.88	24.50
5	16QAM	1	24	23.83	23.94	23.94	24.50
5	16QAM	12	0	22.74	22.75	22.83	23.50
5	16QAM	12	7	22.66	22.74	22.71	23.50
5	16QAM	12	13	22.73	22.81	22.73	23.50
5	16QAM	25	0	22.69	22.83	22.80	23.50
5	64QAM	1	0	22.78	22.85	22.84	23.50
5	64QAM	1	12	22.81	22.87	22.82	23.50
5	64QAM	1	24	22.82	22.85	22.86	23.50
5	64QAM	12	0	21.73	21.76	21.81	22.50
5	64QAM	12	7	21.66	21.75	21.79	22.50
5	64QAM	12	13	21.66	21.74	21.77	22.50
5	64QAM	25	0	21.68	21.75	21.80	22.50
5	256QAM	1	0	19.67	19.81	19.76	20.50
5	256QAM	1	12	19.72	19.86	19.87	20.50
5	256QAM	1	24	19.69	19.79	19.79	20.50
5	256QAM	12	0	19.72	19.77	19.80	20.50
5	256QAM	12	7	19.64	19.71	19.72	20.50
5	256QAM	12	13	19.70	19.67	19.74	20.50
5	256QAM	25	0	19.73	19.80	19.74	20.50



【LTE Band 13_Ant 0_ECI4】

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		24.75		25.50
10	QPSK	1	25		24.74		25.50
10	QPSK	1	49		24.71		25.50
10	QPSK	25	0		23.87		24.50
10	QPSK	25	12		23.81		24.50
10	QPSK	25	25		23.85		24.50
10	QPSK	50	0		23.86		24.50
10	16QAM	1	0		23.96		24.50
10	16QAM	1	25		23.97		24.50
10	16QAM	1	49		23.96		24.50
10	16QAM	25	0		22.85		23.50
10	16QAM	25	12		22.80		23.50
10	16QAM	25	25		22.82		23.50
10	16QAM	50	0		22.86		23.50
10	64QAM	1	0		22.87		23.50
10	64QAM	1	25		22.91		23.50
10	64QAM	1	49		22.89		23.50
10	64QAM	25	0		21.82		22.50
10	64QAM	25	12		21.80		22.50
10	64QAM	25	25		21.81		22.50
10	64QAM	50	0		21.84		22.50
10	256QAM	1	0		19.83		20.50
10	256QAM	1	25		19.87		20.50
10	256QAM	1	49		19.84		20.50
10	256QAM	25	0		19.80		20.50
10	256QAM	25	12		19.77		20.50
10	256QAM	25	25		19.77		20.50
10	256QAM	50	0		19.83		20.50
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	24.63	24.72	24.74	25.50
5	QPSK	1	12	24.64	24.71	24.70	25.50
5	QPSK	1	24	24.61	24.66	24.71	25.50
5	QPSK	12	0	23.71	23.82	23.82	24.50
5	QPSK	12	7	23.69	23.77	23.71	24.50
5	QPSK	12	13	23.74	23.81	23.79	24.50
5	QPSK	25	0	23.73	23.81	23.79	24.50
5	16QAM	1	0	23.87	23.95	23.96	24.50
5	16QAM	1	12	23.81	23.94	23.88	24.50
5	16QAM	1	24	23.83	23.94	23.94	24.50
5	16QAM	12	0	22.74	22.75	22.83	23.50
5	16QAM	12	7	22.66	22.74	22.71	23.50
5	16QAM	12	13	22.73	22.81	22.73	23.50
5	16QAM	25	0	22.69	22.83	22.80	23.50
5	64QAM	1	0	22.78	22.85	22.84	23.50
5	64QAM	1	12	22.81	22.87	22.82	23.50
5	64QAM	1	24	22.82	22.85	22.86	23.50
5	64QAM	12	0	21.73	21.76	21.81	22.50
5	64QAM	12	7	21.66	21.75	21.79	22.50
5	64QAM	12	13	21.66	21.74	21.77	22.50
5	64QAM	25	0	21.68	21.75	21.80	22.50
5	256QAM	1	0	19.67	19.81	19.76	20.50
5	256QAM	1	12	19.72	19.86	19.87	20.50
5	256QAM	1	24	19.69	19.79	19.79	20.50
5	256QAM	12	0	19.72	19.77	19.80	20.50
5	256QAM	12	7	19.64	19.71	19.72	20.50
5	256QAM	12	13	19.70	19.67	19.74	20.50
5	256QAM	25	0	19.73	19.80	19.74	20.50

【LTE Band 13_Ant 0_ECI5】

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		24.75		25.50
10	QPSK	1	25		24.74		25.50
10	QPSK	1	49		24.71		25.50
10	QPSK	25	0		23.87		24.50
10	QPSK	25	12		23.81		24.50
10	QPSK	25	25		23.85		24.50
10	QPSK	50	0		23.86		24.50
10	16QAM	1	0		23.96		24.50
10	16QAM	1	25		23.97		24.50
10	16QAM	1	49		23.96		24.50
10	16QAM	25	0		22.85		23.50
10	16QAM	25	12		22.80		23.50
10	16QAM	25	25		22.82		23.50
10	16QAM	50	0		22.86		23.50
10	64QAM	1	0		22.87		23.50
10	64QAM	1	25		22.91		23.50
10	64QAM	1	49		22.89		23.50
10	64QAM	25	0		21.82		22.50
10	64QAM	25	12		21.80		22.50
10	64QAM	25	25		21.81		22.50
10	64QAM	50	0		21.84		22.50
10	256QAM	1	0		19.83		20.50
10	256QAM	1	25		19.87		20.50
10	256QAM	1	49		19.84		20.50
10	256QAM	25	0		19.80		20.50
10	256QAM	25	12		19.77		20.50
10	256QAM	25	25		19.77		20.50
10	256QAM	50	0		19.83		20.50
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	24.63	24.72	24.74	25.50
5	QPSK	1	12	24.64	24.71	24.70	25.50
5	QPSK	1	24	24.61	24.66	24.71	25.50
5	QPSK	12	0	23.71	23.82	23.82	24.50
5	QPSK	12	7	23.69	23.77	23.71	24.50
5	QPSK	12	13	23.74	23.81	23.79	24.50
5	QPSK	25	0	23.73	23.81	23.79	24.50
5	16QAM	1	0	23.87	23.95	23.96	24.50
5	16QAM	1	12	23.81	23.94	23.88	24.50
5	16QAM	1	24	23.83	23.94	23.94	24.50
5	16QAM	12	0	22.74	22.75	22.83	23.50
5	16QAM	12	7	22.66	22.74	22.71	23.50
5	16QAM	12	13	22.73	22.81	22.73	23.50
5	16QAM	25	0	22.69	22.83	22.80	23.50
5	64QAM	1	0	22.78	22.85	22.84	23.50
5	64QAM	1	12	22.81	22.87	22.82	23.50
5	64QAM	1	24	22.82	22.85	22.86	23.50
5	64QAM	12	0	21.73	21.76	21.81	22.50
5	64QAM	12	7	21.66	21.75	21.79	22.50
5	64QAM	12	13	21.66	21.74	21.77	22.50
5	64QAM	25	0	21.68	21.75	21.80	22.50
5	256QAM	1	0	19.67	19.81	19.76	20.50
5	256QAM	1	12	19.72	19.86	19.87	20.50
5	256QAM	1	24	19.69	19.79	19.79	20.50
5	256QAM	12	0	19.72	19.77	19.80	20.50
5	256QAM	12	7	19.64	19.71	19.72	20.50
5	256QAM	12	13	19.70	19.67	19.74	20.50
5	256QAM	25	0	19.73	19.80	19.74	20.50

【LTE Band 13_Ant 1_Default】

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		25.20		25.70
10	QPSK	1	25		25.11		25.70
10	QPSK	1	49		25.07		25.70
10	QPSK	25	0		24.26		24.70
10	QPSK	25	12		24.11		24.70
10	QPSK	25	25		24.22		24.70
10	QPSK	50	0		24.25		24.70
10	16QAM	1	0		24.35		24.70
10	16QAM	1	25		24.28		24.70
10	16QAM	1	49		24.36		24.70
10	16QAM	25	0		23.25		23.70
10	16QAM	25	12		23.19		23.70
10	16QAM	25	25		23.19		23.70
10	16QAM	50	0		23.21		23.70
10	64QAM	1	0		23.26		23.70
10	64QAM	1	25		23.23		23.70
10	64QAM	1	49		23.24		23.70
10	64QAM	25	0		22.23		22.70
10	64QAM	25	12		22.19		22.70
10	64QAM	25	25		22.18		22.70
10	64QAM	50	0		22.21		22.70
10	256QAM	1	0		20.25		20.70
10	256QAM	1	25		20.26		20.70
10	256QAM	1	49		20.20		20.70
10	256QAM	25	0		20.19		20.70
10	256QAM	25	12		20.17		20.70
10	256QAM	25	25		20.15		20.70
10	256QAM	50	0		20.21		20.70
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	25.18	25.19	25.11	25.70
5	QPSK	1	12	25.04	25.18	25.09	25.70
5	QPSK	1	24	24.97	25.02	24.85	25.70
5	QPSK	12	0	24.07	24.19	24.06	24.70
5	QPSK	12	7	24.15	24.20	24.06	24.70
5	QPSK	12	13	24.09	24.20	24.09	24.70
5	QPSK	25	0	24.18	24.27	24.06	24.70
5	16QAM	1	0	24.26	24.33	24.10	24.70
5	16QAM	1	12	24.35	24.40	24.27	24.70
5	16QAM	1	24	24.23	24.31	24.16	24.70
5	16QAM	12	0	23.02	23.13	22.95	23.70
5	16QAM	12	7	22.90	23.04	22.86	23.70
5	16QAM	12	13	23.19	23.22	23.05	23.70
5	16QAM	25	0	23.08	23.19	23.01	23.70
5	64QAM	1	0	23.20	23.27	23.10	23.70
5	64QAM	1	12	23.25	23.37	23.28	23.70
5	64QAM	1	24	23.30	23.34	23.18	23.70
5	64QAM	12	0	22.18	22.22	22.02	22.70
5	64QAM	12	7	21.96	22.02	21.93	22.70
5	64QAM	12	13	21.96	22.08	21.87	22.70
5	64QAM	25	0	22.19	22.23	22.07	22.70
5	256QAM	1	0	20.21	20.25	20.06	20.70
5	256QAM	1	12	20.20	20.31	20.11	20.70
5	256QAM	1	24	20.18	20.21	20.02	20.70
5	256QAM	12	0	20.06	20.14	20.03	20.70
5	256QAM	12	7	20.06	20.14	19.98	20.70
5	256QAM	12	13	20.08	20.15	19.98	20.70
5	256QAM	25	0	20.00	20.05	19.84	20.70



【LTE Band 13_Ant 1_ECI1】

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		22.67		23.20
10	QPSK	1	25		22.61		23.20
10	QPSK	1	49		22.60		23.20
10	QPSK	25	0		22.65		23.20
10	QPSK	25	12		22.59		23.20
10	QPSK	25	25		22.53		23.20
10	QPSK	50	0		22.56		23.20
10	16QAM	1	0		22.58		23.20
10	16QAM	1	25		22.54		23.20
10	16QAM	1	49		22.51		23.20
10	16QAM	25	0		22.60		23.20
10	16QAM	25	12		22.62		23.20
10	16QAM	25	25		22.59		23.20
10	16QAM	50	0		22.53		23.20
10	64QAM	1	0		22.54		23.20
10	64QAM	1	25		22.51		23.20
10	64QAM	1	49		22.48		23.20
10	64QAM	25	0		22.11		22.70
10	64QAM	25	12		22.13		22.70
10	64QAM	25	25		22.08		22.70
10	64QAM	50	0		22.05		22.70
10	256QAM	1	0		20.13		20.70
10	256QAM	1	25		20.08		20.70
10	256QAM	1	49		20.16		20.70
10	256QAM	25	0		20.10		20.70
10	256QAM	25	12		20.09		20.70
10	256QAM	25	25		20.16		20.70
10	256QAM	50	0		20.05		20.70
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	22.55	22.58	22.53	23.20
5	QPSK	1	12	22.43	22.57	22.48	23.20
5	QPSK	1	24	22.33	22.51	22.38	23.20
5	QPSK	12	0	22.44	22.50	22.37	23.20
5	QPSK	12	7	22.41	22.49	22.39	23.20
5	QPSK	12	13	22.25	22.40	22.22	23.20
5	QPSK	25	0	22.25	22.41	22.22	23.20
5	16QAM	1	0	22.37	22.51	22.34	23.20
5	16QAM	1	12	22.32	22.43	22.28	23.20
5	16QAM	1	24	22.30	22.47	22.35	23.20
5	16QAM	12	0	22.44	22.50	22.43	23.20
5	16QAM	12	7	22.41	22.53	22.38	23.20
5	16QAM	12	13	22.45	22.51	22.40	23.20
5	16QAM	25	0	22.22	22.39	22.20	23.20
5	64QAM	1	0	22.33	22.39	22.30	23.20
5	64QAM	1	12	22.41	22.47	22.30	23.20
5	64QAM	1	24	22.22	22.37	22.20	23.20
5	64QAM	12	0	21.91	21.99	21.88	22.70
5	64QAM	12	7	21.96	22.11	22.00	22.70
5	64QAM	12	13	21.85	22.02	21.91	22.70
5	64QAM	25	0	21.80	21.91	21.73	22.70
5	256QAM	1	0	19.93	20.03	19.85	20.70
5	256QAM	1	12	19.79	19.94	19.89	20.70
5	256QAM	1	24	20.03	20.07	19.90	20.70
5	256QAM	12	0	19.95	20.06	19.94	20.70
5	256QAM	12	7	19.78	19.94	19.77	20.70
5	256QAM	12	13	19.99	20.04	19.96	20.70
5	256QAM	25	0	19.80	19.94	19.88	20.70

【LTE Band 13_Ant 1_ECI3】

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		22.18		22.70
10	QPSK	1	25		22.05		22.70
10	QPSK	1	49		22.08		22.70
10	QPSK	25	0		22.12		22.70
10	QPSK	25	12		21.99		22.70
10	QPSK	25	25		22.04		22.70
10	QPSK	50	0		22.10		22.70
10	16QAM	1	0		21.91		22.70
10	16QAM	1	25		21.96		22.70
10	16QAM	1	49		21.94		22.70
10	16QAM	25	0		21.95		22.70
10	16QAM	25	12		22.00		22.70
10	16QAM	25	25		21.94		22.70
10	16QAM	50	0		22.00		22.70
10	64QAM	1	0		21.87		22.70
10	64QAM	1	25		21.89		22.70
10	64QAM	1	49		22.02		22.70
10	64QAM	25	0		21.88		22.70
10	64QAM	25	12		21.96		22.70
10	64QAM	25	25		21.93		22.70
10	64QAM	50	0		22.01		22.70
10	256QAM	1	0		20.25		20.70
10	256QAM	1	25		20.26		20.70
10	256QAM	1	49		20.20		20.70
10	256QAM	25	0		20.19		20.70
10	256QAM	25	12		20.17		20.70
10	256QAM	25	25		20.15		20.70
10	256QAM	50	0		20.21		20.70
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	22.02	22.05	22.03	22.70
5	QPSK	1	12	21.92	21.98	21.90	22.70
5	QPSK	1	24	21.94	22.01	21.89	22.70
5	QPSK	12	0	21.99	22.04	21.95	22.70
5	QPSK	12	7	21.84	21.89	21.73	22.70
5	QPSK	12	13	21.81	21.96	21.93	22.70
5	QPSK	25	0	21.95	22.07	22.01	22.70
5	16QAM	1	0	21.75	21.79	21.62	22.70
5	16QAM	1	12	21.76	21.89	21.81	22.70
5	16QAM	1	24	21.73	21.85	21.81	22.70
5	16QAM	12	0	21.71	21.85	21.81	22.70
5	16QAM	12	7	21.80	21.89	21.74	22.70
5	16QAM	12	13	21.73	21.89	21.73	22.70
5	16QAM	25	0	21.77	21.88	21.84	22.70
5	64QAM	1	0	21.59	21.72	21.66	22.70
5	64QAM	1	12	21.67	21.73	21.65	22.70
5	64QAM	1	24	21.75	21.90	21.87	22.70
5	64QAM	12	0	21.72	21.81	21.71	22.70
5	64QAM	12	7	21.79	21.85	21.70	22.70
5	64QAM	12	13	21.69	21.82	21.79	22.70
5	64QAM	25	0	21.79	21.89	21.80	22.70
5	256QAM	1	0	20.11	20.17	20.09	20.70
5	256QAM	1	12	20.04	20.19	20.10	20.70
5	256QAM	1	24	19.94	20.07	19.91	20.70
5	256QAM	12	0	19.95	20.08	20.00	20.70
5	256QAM	12	7	20.01	20.09	20.04	20.70
5	256QAM	12	13	20.01	20.08	19.91	20.70
5	256QAM	25	0	19.87	20.05	20.02	20.70



【LTE Band 13_Ant 1_ECI4】

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		25.20		25.70
10	QPSK	1	25		25.11		25.70
10	QPSK	1	49		25.07		25.70
10	QPSK	25	0		24.26		24.70
10	QPSK	25	12		24.11		24.70
10	QPSK	25	25		24.22		24.70
10	QPSK	50	0		24.25		24.70
10	16QAM	1	0		24.35		24.70
10	16QAM	1	25		24.28		24.70
10	16QAM	1	49		24.36		24.70
10	16QAM	25	0		23.25		23.70
10	16QAM	25	12		23.19		23.70
10	16QAM	25	25		23.19		23.70
10	16QAM	50	0		23.21		23.70
10	64QAM	1	0		23.26		23.70
10	64QAM	1	25		23.23		23.70
10	64QAM	1	49		23.24		23.70
10	64QAM	25	0		22.23		22.70
10	64QAM	25	12		22.19		22.70
10	64QAM	25	25		22.18		22.70
10	64QAM	50	0		22.21		22.70
10	256QAM	1	0		20.25		20.70
10	256QAM	1	25		20.26		20.70
10	256QAM	1	49		20.20		20.70
10	256QAM	25	0		20.19		20.70
10	256QAM	25	12		20.17		20.70
10	256QAM	25	25		20.15		20.70
10	256QAM	50	0		20.21		20.70
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	25.18	25.19	25.11	25.70
5	QPSK	1	12	25.04	25.18	25.09	25.70
5	QPSK	1	24	24.97	25.02	24.85	25.70
5	QPSK	12	0	24.07	24.19	24.06	24.70
5	QPSK	12	7	24.15	24.20	24.06	24.70
5	QPSK	12	13	24.09	24.20	24.09	24.70
5	QPSK	25	0	24.18	24.27	24.06	24.70
5	16QAM	1	0	24.26	24.33	24.10	24.70
5	16QAM	1	12	24.35	24.40	24.27	24.70
5	16QAM	1	24	24.23	24.31	24.16	24.70
5	16QAM	12	0	23.02	23.13	22.95	23.70
5	16QAM	12	7	22.90	23.04	22.86	23.70
5	16QAM	12	13	23.19	23.22	23.05	23.70
5	16QAM	25	0	23.08	23.19	23.01	23.70
5	64QAM	1	0	23.20	23.27	23.10	23.70
5	64QAM	1	12	23.25	23.37	23.28	23.70
5	64QAM	1	24	23.30	23.34	23.18	23.70
5	64QAM	12	0	22.18	22.22	22.02	22.70
5	64QAM	12	7	21.96	22.02	21.93	22.70
5	64QAM	12	13	21.96	22.08	21.87	22.70
5	64QAM	25	0	22.19	22.23	22.07	22.70
5	256QAM	1	0	20.21	20.25	20.06	20.70
5	256QAM	1	12	20.20	20.31	20.11	20.70
5	256QAM	1	24	20.18	20.21	20.02	20.70
5	256QAM	12	0	20.06	20.14	20.03	20.70
5	256QAM	12	7	20.06	20.14	19.98	20.70
5	256QAM	12	13	20.08	20.15	19.98	20.70
5	256QAM	25	0	20.00	20.05	19.84	20.70

【LTE Band 13_Ant 1_ECI5】

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		22.18		22.70
10	QPSK	1	25		22.05		22.70
10	QPSK	1	49		22.08		22.70
10	QPSK	25	0		22.12		22.70
10	QPSK	25	12		21.99		22.70
10	QPSK	25	25		22.04		22.70
10	QPSK	50	0		22.10		22.70
10	16QAM	1	0		21.91		22.70
10	16QAM	1	25		21.96		22.70
10	16QAM	1	49		21.94		22.70
10	16QAM	25	0		21.95		22.70
10	16QAM	25	12		22.00		22.70
10	16QAM	25	25		21.94		22.70
10	16QAM	50	0		22.00		22.70
10	64QAM	1	0		21.87		22.70
10	64QAM	1	25		21.89		22.70
10	64QAM	1	49		22.02		22.70
10	64QAM	25	0		21.88		22.70
10	64QAM	25	12		21.96		22.70
10	64QAM	25	25		21.93		22.70
10	64QAM	50	0		22.01		22.70
10	256QAM	1	0		20.25		20.70
10	256QAM	1	25		20.26		20.70
10	256QAM	1	49		20.20		20.70
10	256QAM	25	0		20.19		20.70
10	256QAM	25	12		20.17		20.70
10	256QAM	25	25		20.15		20.70
10	256QAM	50	0		20.21		20.70
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	22.02	22.05	22.03	22.70
5	QPSK	1	12	21.92	21.98	21.90	22.70
5	QPSK	1	24	21.94	22.01	21.89	22.70
5	QPSK	12	0	21.99	22.04	21.95	22.70
5	QPSK	12	7	21.84	21.89	21.73	22.70
5	QPSK	12	13	21.81	21.96	21.93	22.70
5	QPSK	25	0	21.95	22.07	22.01	22.70
5	16QAM	1	0	21.75	21.79	21.62	22.70
5	16QAM	1	12	21.76	21.89	21.81	22.70
5	16QAM	1	24	21.73	21.85	21.81	22.70
5	16QAM	12	0	21.71	21.85	21.81	22.70
5	16QAM	12	7	21.80	21.89	21.74	22.70
5	16QAM	12	13	21.73	21.89	21.73	22.70
5	16QAM	25	0	21.77	21.88	21.84	22.70
5	64QAM	1	0	21.59	21.72	21.66	22.70
5	64QAM	1	12	21.67	21.73	21.65	22.70
5	64QAM	1	24	21.75	21.90	21.87	22.70
5	64QAM	12	0	21.72	21.81	21.71	22.70
5	64QAM	12	7	21.79	21.85	21.70	22.70
5	64QAM	12	13	21.69	21.82	21.79	22.70
5	64QAM	25	0	21.79	21.89	21.80	22.70
5	256QAM	1	0	20.11	20.17	20.09	20.70
5	256QAM	1	12	20.04	20.19	20.10	20.70
5	256QAM	1	24	19.94	20.07	19.91	20.70
5	256QAM	12	0	19.95	20.08	20.00	20.70
5	256QAM	12	7	20.01	20.09	20.04	20.70
5	256QAM	12	13	20.01	20.08	19.91	20.70
5	256QAM	25	0	19.87	20.05	20.02	20.70



【LTE Band 17_Ant 0_Default】

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	24.58	24.68	24.66	25.50
10	QPSK	1	25	24.46	24.58	24.48	25.50
10	QPSK	1	49	24.42	24.62	24.51	25.50
10	QPSK	25	0	23.47	23.71	23.67	24.50
10	QPSK	25	12	23.45	23.67	23.63	24.50
10	QPSK	25	25	23.44	23.68	23.52	24.50
10	QPSK	50	0	23.53	23.67	23.55	24.50
10	16QAM	1	0	23.65	23.80	23.72	24.50
10	16QAM	1	25	23.61	23.84	23.79	24.50
10	16QAM	1	49	23.61	23.72	23.63	24.50
10	16QAM	25	0	22.59	22.71	22.65	23.50
10	16QAM	25	12	22.57	22.69	22.53	23.50
10	16QAM	25	25	22.48	22.68	22.57	23.50
10	16QAM	50	0	22.58	22.71	22.55	23.50
10	64QAM	1	0	22.60	22.78	22.67	23.50
10	64QAM	1	25	22.66	22.79	22.75	23.50
10	64QAM	1	49	22.57	22.81	22.76	23.50
10	64QAM	25	0	21.56	21.71	21.61	22.50
10	64QAM	25	12	21.55	21.66	21.63	22.50
10	64QAM	25	25	21.52	21.69	21.62	22.50
10	64QAM	50	0	21.57	21.69	21.57	22.50
10	256QAM	1	0	19.60	19.71	19.66	20.50
10	256QAM	1	25	19.51	19.74	19.65	20.50
10	256QAM	1	49	19.65	19.74	19.70	20.50
10	256QAM	25	0	19.52	19.68	19.51	20.50
10	256QAM	25	12	19.50	19.66	19.54	20.50
10	256QAM	25	25	19.53	19.63	19.48	20.50
10	256QAM	50	0	19.47	19.64	19.50	20.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.53	24.59	24.53	25.50
5	QPSK	1	12	24.43	24.49	24.44	25.50
5	QPSK	1	24	24.39	24.59	24.40	25.50
5	QPSK	12	0	23.40	23.63	23.52	24.50
5	QPSK	12	7	23.43	23.59	23.51	24.50
5	QPSK	12	13	23.33	23.62	23.51	24.50
5	QPSK	25	0	23.48	23.57	23.49	24.50
5	16QAM	1	0	23.58	23.72	23.64	24.50
5	16QAM	1	12	23.49	23.81	23.65	24.50
5	16QAM	1	24	23.54	23.59	23.54	24.50
5	16QAM	12	0	22.55	22.60	22.60	23.50
5	16QAM	12	7	22.54	22.64	22.39	23.50
5	16QAM	12	13	22.43	22.54	22.43	23.50
5	16QAM	25	0	22.49	22.57	22.48	23.50
5	64QAM	1	0	22.48	22.69	22.55	23.50
5	64QAM	1	12	22.65	22.74	22.72	23.50
5	64QAM	1	24	22.51	22.78	22.66	23.50
5	64QAM	12	0	21.43	21.68	21.47	22.50
5	64QAM	12	7	21.46	21.63	21.56	22.50
5	64QAM	12	13	21.41	21.64	21.53	22.50
5	64QAM	25	0	21.51	21.61	21.46	22.50
5	256QAM	1	0	19.55	19.58	19.58	20.50
5	256QAM	1	12	19.43	19.71	19.55	20.50
5	256QAM	1	24	19.55	19.69	19.67	20.50
5	256QAM	12	0	19.38	19.64	19.39	20.50
5	256QAM	12	7	19.39	19.62	19.47	20.50
5	256QAM	12	13	19.40	19.50	19.33	20.50
5	256QAM	25	0	19.36	19.62	19.38	20.50

**【LTE Band 17_Ant 0_ECI1】**

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.58	24.68	24.66	25.50
10	QPSK	1	25	24.46	24.58	24.48	25.50
10	QPSK	1	49	24.42	24.62	24.51	25.50
10	QPSK	25	0	23.47	23.71	23.67	24.50
10	QPSK	25	12	23.45	23.67	23.63	24.50
10	QPSK	25	25	23.44	23.68	23.52	24.50
10	QPSK	50	0	23.53	23.67	23.55	24.50
10	16QAM	1	0	23.65	23.80	23.72	24.50
10	16QAM	1	25	23.61	23.84	23.79	24.50
10	16QAM	1	49	23.61	23.72	23.63	24.50
10	16QAM	25	0	22.59	22.71	22.65	23.50
10	16QAM	25	12	22.57	22.69	22.53	23.50
10	16QAM	25	25	22.48	22.68	22.57	23.50
10	16QAM	50	0	22.58	22.71	22.55	23.50
10	64QAM	1	0	22.60	22.78	22.67	23.50
10	64QAM	1	25	22.66	22.79	22.75	23.50
10	64QAM	1	49	22.57	22.81	22.76	23.50
10	64QAM	25	0	21.56	21.71	21.61	22.50
10	64QAM	25	12	21.55	21.66	21.63	22.50
10	64QAM	25	25	21.52	21.69	21.62	22.50
10	64QAM	50	0	21.57	21.69	21.57	22.50
10	256QAM	1	0	19.60	19.71	19.66	20.50
10	256QAM	1	25	19.51	19.74	19.65	20.50
10	256QAM	1	49	19.65	19.74	19.70	20.50
10	256QAM	25	0	19.52	19.68	19.51	20.50
10	256QAM	25	12	19.50	19.66	19.54	20.50
10	256QAM	25	25	19.53	19.63	19.48	20.50
10	256QAM	50	0	19.47	19.64	19.50	20.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.53	24.59	24.53	25.50
5	QPSK	1	12	24.43	24.49	24.44	25.50
5	QPSK	1	24	24.39	24.59	24.40	25.50
5	QPSK	12	0	23.40	23.63	23.52	24.50
5	QPSK	12	7	23.43	23.59	23.51	24.50
5	QPSK	12	13	23.33	23.62	23.51	24.50
5	QPSK	25	0	23.48	23.57	23.49	24.50
5	16QAM	1	0	23.58	23.72	23.64	24.50
5	16QAM	1	12	23.49	23.81	23.65	24.50
5	16QAM	1	24	23.54	23.59	23.54	24.50
5	16QAM	12	0	22.55	22.60	22.60	23.50
5	16QAM	12	7	22.54	22.64	22.39	23.50
5	16QAM	12	13	22.43	22.54	22.43	23.50
5	16QAM	25	0	22.49	22.57	22.48	23.50
5	64QAM	1	0	22.48	22.69	22.55	23.50
5	64QAM	1	12	22.65	22.74	22.72	23.50
5	64QAM	1	24	22.51	22.78	22.66	23.50
5	64QAM	12	0	21.43	21.68	21.47	22.50
5	64QAM	12	7	21.46	21.63	21.56	22.50
5	64QAM	12	13	21.41	21.64	21.53	22.50
5	64QAM	25	0	21.51	21.61	21.46	22.50
5	256QAM	1	0	19.55	19.58	19.58	20.50
5	256QAM	1	12	19.43	19.71	19.55	20.50
5	256QAM	1	24	19.55	19.69	19.67	20.50
5	256QAM	12	0	19.38	19.64	19.39	20.50
5	256QAM	12	7	19.39	19.62	19.47	20.50
5	256QAM	12	13	19.40	19.50	19.33	20.50
5	256QAM	25	0	19.36	19.62	19.38	20.50

**【LTE Band 17_Ant 0_ECI3】**

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	24.58	24.68	24.66	25.50
10	QPSK	1	25	24.46	24.58	24.48	25.50
10	QPSK	1	49	24.42	24.62	24.51	25.50
10	QPSK	25	0	23.47	23.71	23.67	24.50
10	QPSK	25	12	23.45	23.67	23.63	24.50
10	QPSK	25	25	23.44	23.68	23.52	24.50
10	QPSK	50	0	23.53	23.67	23.55	24.50
10	16QAM	1	0	23.65	23.80	23.72	24.50
10	16QAM	1	25	23.61	23.84	23.79	24.50
10	16QAM	1	49	23.61	23.72	23.63	24.50
10	16QAM	25	0	22.59	22.71	22.65	23.50
10	16QAM	25	12	22.57	22.69	22.53	23.50
10	16QAM	25	25	22.48	22.68	22.57	23.50
10	16QAM	50	0	22.58	22.71	22.55	23.50
10	64QAM	1	0	22.60	22.78	22.67	23.50
10	64QAM	1	25	22.66	22.79	22.75	23.50
10	64QAM	1	49	22.57	22.81	22.76	23.50
10	64QAM	25	0	21.56	21.71	21.61	22.50
10	64QAM	25	12	21.55	21.66	21.63	22.50
10	64QAM	25	25	21.52	21.69	21.62	22.50
10	64QAM	50	0	21.57	21.69	21.57	22.50
10	256QAM	1	0	19.60	19.71	19.66	20.50
10	256QAM	1	25	19.51	19.74	19.65	20.50
10	256QAM	1	49	19.65	19.74	19.70	20.50
10	256QAM	25	0	19.52	19.68	19.51	20.50
10	256QAM	25	12	19.50	19.66	19.54	20.50
10	256QAM	25	25	19.53	19.63	19.48	20.50
10	256QAM	50	0	19.47	19.64	19.50	20.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.53	24.59	24.53	25.50
5	QPSK	1	12	24.43	24.49	24.44	25.50
5	QPSK	1	24	24.39	24.59	24.40	25.50
5	QPSK	12	0	23.40	23.63	23.52	24.50
5	QPSK	12	7	23.43	23.59	23.51	24.50
5	QPSK	12	13	23.33	23.62	23.51	24.50
5	QPSK	25	0	23.48	23.57	23.49	24.50
5	16QAM	1	0	23.58	23.72	23.64	24.50
5	16QAM	1	12	23.49	23.81	23.65	24.50
5	16QAM	1	24	23.54	23.59	23.54	24.50
5	16QAM	12	0	22.55	22.60	22.60	23.50
5	16QAM	12	7	22.54	22.64	22.39	23.50
5	16QAM	12	13	22.43	22.54	22.43	23.50
5	16QAM	25	0	22.49	22.57	22.48	23.50
5	64QAM	1	0	22.48	22.69	22.55	23.50
5	64QAM	1	12	22.65	22.74	22.72	23.50
5	64QAM	1	24	22.51	22.78	22.66	23.50
5	64QAM	12	0	21.43	21.68	21.47	22.50
5	64QAM	12	7	21.46	21.63	21.56	22.50
5	64QAM	12	13	21.41	21.64	21.53	22.50
5	64QAM	25	0	21.51	21.61	21.46	22.50
5	256QAM	1	0	19.55	19.58	19.58	20.50
5	256QAM	1	12	19.43	19.71	19.55	20.50
5	256QAM	1	24	19.55	19.69	19.67	20.50
5	256QAM	12	0	19.38	19.64	19.39	20.50
5	256QAM	12	7	19.39	19.62	19.47	20.50
5	256QAM	12	13	19.40	19.50	19.33	20.50
5	256QAM	25	0	19.36	19.62	19.38	20.50

【LTE Band 17_Ant 0_ECI4】

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.58	24.68	24.66	25.50
10	QPSK	1	25	24.46	24.58	24.48	25.50
10	QPSK	1	49	24.42	24.62	24.51	25.50
10	QPSK	25	0	23.47	23.71	23.67	24.50
10	QPSK	25	12	23.45	23.67	23.63	24.50
10	QPSK	25	25	23.44	23.68	23.52	24.50
10	QPSK	50	0	23.53	23.67	23.55	24.50
10	16QAM	1	0	23.65	23.80	23.72	24.50
10	16QAM	1	25	23.61	23.84	23.79	24.50
10	16QAM	1	49	23.61	23.72	23.63	24.50
10	16QAM	25	0	22.59	22.71	22.65	23.50
10	16QAM	25	12	22.57	22.69	22.53	23.50
10	16QAM	25	25	22.48	22.68	22.57	23.50
10	16QAM	50	0	22.58	22.71	22.55	23.50
10	64QAM	1	0	22.60	22.78	22.67	23.50
10	64QAM	1	25	22.66	22.79	22.75	23.50
10	64QAM	1	49	22.57	22.81	22.76	23.50
10	64QAM	25	0	21.56	21.71	21.61	22.50
10	64QAM	25	12	21.55	21.66	21.63	22.50
10	64QAM	25	25	21.52	21.69	21.62	22.50
10	64QAM	50	0	21.57	21.69	21.57	22.50
10	256QAM	1	0	19.60	19.71	19.66	20.50
10	256QAM	1	25	19.51	19.74	19.65	20.50
10	256QAM	1	49	19.65	19.74	19.70	20.50
10	256QAM	25	0	19.52	19.68	19.51	20.50
10	256QAM	25	12	19.50	19.66	19.54	20.50
10	256QAM	25	25	19.53	19.63	19.48	20.50
10	256QAM	50	0	19.47	19.64	19.50	20.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.53	24.59	24.53	25.50
5	QPSK	1	12	24.43	24.49	24.44	25.50
5	QPSK	1	24	24.39	24.59	24.40	25.50
5	QPSK	12	0	23.40	23.63	23.52	24.50
5	QPSK	12	7	23.43	23.59	23.51	24.50
5	QPSK	12	13	23.33	23.62	23.51	24.50
5	QPSK	25	0	23.48	23.57	23.49	24.50
5	16QAM	1	0	23.58	23.72	23.64	24.50
5	16QAM	1	12	23.49	23.81	23.65	24.50
5	16QAM	1	24	23.54	23.59	23.54	24.50
5	16QAM	12	0	22.55	22.60	22.60	23.50
5	16QAM	12	7	22.54	22.64	22.39	23.50
5	16QAM	12	13	22.43	22.54	22.43	23.50
5	16QAM	25	0	22.49	22.57	22.48	23.50
5	64QAM	1	0	22.48	22.69	22.55	23.50
5	64QAM	1	12	22.65	22.74	22.72	23.50
5	64QAM	1	24	22.51	22.78	22.66	23.50
5	64QAM	12	0	21.43	21.68	21.47	22.50
5	64QAM	12	7	21.46	21.63	21.56	22.50
5	64QAM	12	13	21.41	21.64	21.53	22.50
5	64QAM	25	0	21.51	21.61	21.46	22.50
5	256QAM	1	0	19.55	19.58	19.58	20.50
5	256QAM	1	12	19.43	19.71	19.55	20.50
5	256QAM	1	24	19.55	19.69	19.67	20.50
5	256QAM	12	0	19.38	19.64	19.39	20.50
5	256QAM	12	7	19.39	19.62	19.47	20.50
5	256QAM	12	13	19.40	19.50	19.33	20.50
5	256QAM	25	0	19.36	19.62	19.38	20.50

【LTE Band 17_Ant 0_ECI5】

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.58	24.68	24.66	25.50
10	QPSK	1	25	24.46	24.58	24.48	25.50
10	QPSK	1	49	24.42	24.62	24.51	25.50
10	QPSK	25	0	23.47	23.71	23.67	24.50
10	QPSK	25	12	23.45	23.67	23.63	24.50
10	QPSK	25	25	23.44	23.68	23.52	24.50
10	QPSK	50	0	23.53	23.67	23.55	24.50
10	16QAM	1	0	23.65	23.80	23.72	24.50
10	16QAM	1	25	23.61	23.84	23.79	24.50
10	16QAM	1	49	23.61	23.72	23.63	24.50
10	16QAM	25	0	22.59	22.71	22.65	23.50
10	16QAM	25	12	22.57	22.69	22.53	23.50
10	16QAM	25	25	22.48	22.68	22.57	23.50
10	16QAM	50	0	22.58	22.71	22.55	23.50
10	64QAM	1	0	22.60	22.78	22.67	23.50
10	64QAM	1	25	22.66	22.79	22.75	23.50
10	64QAM	1	49	22.57	22.81	22.76	23.50
10	64QAM	25	0	21.56	21.71	21.61	22.50
10	64QAM	25	12	21.55	21.66	21.63	22.50
10	64QAM	25	25	21.52	21.69	21.62	22.50
10	64QAM	50	0	21.57	21.69	21.57	22.50
10	256QAM	1	0	19.60	19.71	19.66	20.50
10	256QAM	1	25	19.51	19.74	19.65	20.50
10	256QAM	1	49	19.65	19.74	19.70	20.50
10	256QAM	25	0	19.52	19.68	19.51	20.50
10	256QAM	25	12	19.50	19.66	19.54	20.50
10	256QAM	25	25	19.53	19.63	19.48	20.50
10	256QAM	50	0	19.47	19.64	19.50	20.50
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	24.53	24.59	24.53	25.50
5	QPSK	1	12	24.43	24.49	24.44	25.50
5	QPSK	1	24	24.39	24.59	24.40	25.50
5	QPSK	12	0	23.40	23.63	23.52	24.50
5	QPSK	12	7	23.43	23.59	23.51	24.50
5	QPSK	12	13	23.33	23.62	23.51	24.50
5	QPSK	25	0	23.48	23.57	23.49	24.50
5	16QAM	1	0	23.58	23.72	23.64	24.50
5	16QAM	1	12	23.49	23.81	23.65	24.50
5	16QAM	1	24	23.54	23.59	23.54	24.50
5	16QAM	12	0	22.55	22.60	22.60	23.50
5	16QAM	12	7	22.54	22.64	22.39	23.50
5	16QAM	12	13	22.43	22.54	22.43	23.50
5	16QAM	25	0	22.49	22.57	22.48	23.50
5	64QAM	1	0	22.48	22.69	22.55	23.50
5	64QAM	1	12	22.65	22.74	22.72	23.50
5	64QAM	1	24	22.51	22.78	22.66	23.50
5	64QAM	12	0	21.43	21.68	21.47	22.50
5	64QAM	12	7	21.46	21.63	21.56	22.50
5	64QAM	12	13	21.41	21.64	21.53	22.50
5	64QAM	25	0	21.51	21.61	21.46	22.50
5	256QAM	1	0	19.55	19.58	19.58	20.50
5	256QAM	1	12	19.43	19.71	19.55	20.50
5	256QAM	1	24	19.55	19.69	19.67	20.50
5	256QAM	12	0	19.38	19.64	19.39	20.50
5	256QAM	12	7	19.39	19.62	19.47	20.50
5	256QAM	12	13	19.40	19.50	19.33	20.50
5	256QAM	25	0	19.36	19.62	19.38	20.50

【LTE Band 17_Ant 1_Default】

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	25.13	25.15	25.20	25.70
10	QPSK	1	25	24.94	25.07	25.09	25.70
10	QPSK	1	49	25.06	25.14	25.12	25.70
10	QPSK	25	0	24.18	24.22	24.24	24.70
10	QPSK	25	12	24.15	24.19	24.11	24.70
10	QPSK	25	25	24.06	24.19	24.15	24.70
10	QPSK	50	0	24.08	24.20	24.11	24.70
10	16QAM	1	0	24.26	24.38	24.40	24.70
10	16QAM	1	25	24.21	24.25	24.17	24.70
10	16QAM	1	49	24.26	24.31	24.22	24.70
10	16QAM	25	0	23.07	23.23	23.19	23.70
10	16QAM	25	12	23.12	23.18	23.21	23.70
10	16QAM	25	25	23.09	23.18	23.11	23.70
10	16QAM	50	0	23.12	23.19	23.21	23.70
10	64QAM	1	0	23.25	23.35	23.26	23.70
10	64QAM	1	25	23.26	23.35	23.27	23.70
10	64QAM	1	49	23.29	23.39	23.35	23.70
10	64QAM	25	0	22.11	22.19	22.09	22.70
10	64QAM	25	12	22.07	22.18	22.12	22.70
10	64QAM	25	25	22.10	22.18	22.15	22.70
10	64QAM	50	0	22.17	22.20	22.20	22.70
10	256QAM	1	0	20.17	20.30	20.25	20.70
10	256QAM	1	25	20.18	20.31	20.31	20.70
10	256QAM	1	49	20.19	20.22	20.12	20.70
10	256QAM	25	0	20.06	20.16	20.12	20.70
10	256QAM	25	12	20.01	20.16	20.17	20.70
10	256QAM	25	25	20.07	20.14	20.15	20.70
10	256QAM	50	0	20.00	20.16	20.08	20.70
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	25.07	25.01	25.08	25.70
5	QPSK	1	12	24.82	25.02	24.98	25.70
5	QPSK	1	24	25.00	25.05	25.06	25.70
5	QPSK	12	0	24.11	24.19	24.22	24.70
5	QPSK	12	7	24.05	24.14	23.97	24.70
5	QPSK	12	13	24.03	24.15	24.03	24.70
5	QPSK	25	0	24.02	24.09	23.96	24.70
5	16QAM	1	0	24.18	24.30	24.25	24.70
5	16QAM	1	12	24.16	24.10	24.09	24.70
5	16QAM	1	24	24.19	24.22	24.16	24.70
5	16QAM	12	0	22.94	23.09	23.12	23.70
5	16QAM	12	7	22.97	23.04	23.11	23.70
5	16QAM	12	13	23.07	23.11	23.04	23.70
5	16QAM	25	0	23.02	23.10	23.12	23.70
5	64QAM	1	0	23.19	23.27	23.22	23.70
5	64QAM	1	12	23.17	23.29	23.26	23.70
5	64QAM	1	24	23.27	23.28	23.31	23.70
5	64QAM	12	0	22.09	22.08	22.04	22.70
5	64QAM	12	7	21.94	22.07	22.05	22.70
5	64QAM	12	13	21.96	22.06	22.05	22.70
5	64QAM	25	0	22.06	22.16	22.16	22.70
5	256QAM	1	0	20.05	20.16	20.16	20.70
5	256QAM	1	12	20.10	20.17	20.22	20.70
5	256QAM	1	24	20.05	20.11	20.08	20.70
5	256QAM	12	0	19.95	20.04	20.05	20.70
5	256QAM	12	7	19.94	20.11	20.09	20.70
5	256QAM	12	13	20.01	20.02	20.12	20.70
5	256QAM	25	0	19.96	20.05	19.95	20.70

【LTE Band 17_Ant 1_ECI1】

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.20	22.27	22.09	22.70
10	QPSK	1	25	22.09	22.16	21.97	22.70
10	QPSK	1	49	21.97	22.20	22.06	22.70
10	QPSK	25	0	22.07	22.20	22.07	22.70
10	QPSK	25	12	22.04	22.16	21.88	22.70
10	QPSK	25	25	21.92	22.13	21.92	22.70
10	QPSK	50	0	21.98	22.14	21.84	22.70
10	16QAM	1	0	21.91	22.08	22.00	22.70
10	16QAM	1	25	22.00	22.19	22.00	22.70
10	16QAM	1	49	21.95	22.05	21.90	22.70
10	16QAM	25	0	21.90	22.11	21.96	22.70
10	16QAM	25	12	21.97	22.08	22.02	22.70
10	16QAM	25	25	21.99	22.05	21.81	22.70
10	16QAM	50	0	21.84	21.95	21.95	22.70
10	64QAM	1	0	21.73	21.99	21.77	22.70
10	64QAM	1	25	21.81	21.89	21.74	22.70
10	64QAM	1	49	21.77	21.99	21.79	22.70
10	64QAM	25	0	22.03	22.05	21.89	22.70
10	64QAM	25	12	21.74	22.02	21.76	22.70
10	64QAM	25	25	21.95	21.98	21.81	22.70
10	64QAM	50	0	21.92	21.87	21.81	22.70
10	256QAM	1	0	19.99	20.13	19.95	20.70
10	256QAM	1	25	19.99	20.14	19.92	20.70
10	256QAM	1	49	19.85	20.04	19.96	20.70
10	256QAM	25	0	19.84	20.01	19.85	20.70
10	256QAM	25	12	19.89	19.99	19.88	20.70
10	256QAM	25	25	19.82	20.00	19.88	20.70
10	256QAM	50	0	19.86	19.91	19.94	20.70
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.05	22.17	21.97	22.70
5	QPSK	1	12	21.94	22.06	21.93	22.70
5	QPSK	1	24	21.96	22.08	21.97	22.70
5	QPSK	12	0	21.95	22.10	22.05	22.70
5	QPSK	12	7	22.01	22.14	21.78	22.70
5	QPSK	12	13	21.90	22.09	21.78	22.70
5	QPSK	25	0	21.91	22.00	21.81	22.70
5	16QAM	1	0	21.80	21.95	21.93	22.70
5	16QAM	1	12	21.86	22.17	21.85	22.70
5	16QAM	1	24	21.92	22.01	21.84	22.70
5	16QAM	12	0	21.79	21.97	21.81	22.70
5	16QAM	12	7	21.87	21.98	21.99	22.70
5	16QAM	12	13	21.96	21.90	21.74	22.70
5	16QAM	25	0	21.78	21.84	21.91	22.70
5	64QAM	1	0	21.62	21.86	21.75	22.70
5	64QAM	1	12	21.71	21.79	21.72	22.70
5	64QAM	1	24	21.71	21.92	21.73	22.70
5	64QAM	12	0	21.96	22.00	21.85	22.70
5	64QAM	12	7	21.69	21.88	21.69	22.70
5	64QAM	12	13	21.80	21.86	21.74	22.70
5	64QAM	25	0	21.90	21.78	21.70	22.70
5	256QAM	1	0	19.89	19.99	19.82	20.70
5	256QAM	1	12	19.88	20.02	19.87	20.70
5	256QAM	1	24	19.76	19.92	19.93	20.70
5	256QAM	12	0	19.69	20.00	19.81	20.70
5	256QAM	12	7	19.81	19.85	19.78	20.70
5	256QAM	12	13	19.71	19.96	19.76	20.70
5	256QAM	25	0	19.82	19.87	19.85	20.70

【LTE Band 17_Ant 1_ECI3】

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	21.46	21.51	21.44	22.20
10	QPSK	1	25	21.25	21.44	21.25	22.20
10	QPSK	1	49	21.20	21.38	21.25	22.20
10	QPSK	25	0	21.40	21.47	21.42	22.20
10	QPSK	25	12	21.24	21.42	21.34	22.20
10	QPSK	25	25	21.24	21.36	21.16	22.20
10	QPSK	50	0	21.44	21.46	21.42	22.20
10	16QAM	1	0	21.24	21.42	21.30	22.20
10	16QAM	1	25	21.17	21.32	21.22	22.20
10	16QAM	1	49	21.21	21.39	21.18	22.20
10	16QAM	25	0	21.22	21.37	21.21	22.20
10	16QAM	25	12	21.25	21.32	21.23	22.20
10	16QAM	25	25	21.27	21.38	21.20	22.20
10	16QAM	50	0	21.23	21.37	21.27	22.20
10	64QAM	1	0	21.21	21.34	21.24	22.20
10	64QAM	1	25	21.33	21.42	21.27	22.20
10	64QAM	1	49	21.17	21.35	21.17	22.20
10	64QAM	25	0	21.17	21.32	21.12	22.20
10	64QAM	25	12	21.23	21.37	21.25	22.20
10	64QAM	25	25	21.11	21.27	21.08	22.20
10	64QAM	50	0	21.12	21.28	21.20	22.20
10	256QAM	1	0	20.17	20.30	20.25	20.70
10	256QAM	1	25	20.18	20.31	20.31	20.70
10	256QAM	1	49	20.19	20.22	20.12	20.70
10	256QAM	25	0	20.06	20.16	20.12	20.70
10	256QAM	25	12	20.01	20.16	20.17	20.70
10	256QAM	25	25	20.07	20.14	20.15	20.70
10	256QAM	50	0	20.00	20.16	20.08	20.70
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	21.44	21.44	21.43	22.20
5	QPSK	1	12	21.21	21.33	21.18	22.20
5	QPSK	1	24	21.11	21.31	21.16	22.20
5	QPSK	12	0	21.26	21.32	21.27	22.20
5	QPSK	12	7	21.16	21.40	21.31	22.20
5	QPSK	12	13	21.09	21.34	21.14	22.20
5	QPSK	25	0	21.33	21.37	21.28	22.20
5	16QAM	1	0	21.16	21.31	21.18	22.20
5	16QAM	1	12	21.09	21.26	21.11	22.20
5	16QAM	1	24	21.16	21.36	21.08	22.20
5	16QAM	12	0	21.21	21.23	21.13	22.20
5	16QAM	12	7	21.14	21.21	21.22	22.20
5	16QAM	12	13	21.24	21.33	21.07	22.20
5	16QAM	25	0	21.21	21.28	21.23	22.20
5	64QAM	1	0	21.14	21.31	21.12	22.20
5	64QAM	1	12	21.22	21.34	21.25	22.20
5	64QAM	1	24	21.14	21.20	21.04	22.20
5	64QAM	12	0	21.05	21.24	21.02	22.20
5	64QAM	12	7	21.16	21.27	21.23	22.20
5	64QAM	12	13	20.99	21.21	21.00	22.20
5	64QAM	25	0	21.03	21.26	21.16	22.20
5	256QAM	1	0	20.15	20.20	20.20	20.70
5	256QAM	1	12	20.08	20.25	20.21	20.70
5	256QAM	1	24	20.15	20.13	20.10	20.70
5	256QAM	12	0	19.92	20.12	20.07	20.70
5	256QAM	12	7	19.98	20.14	20.11	20.70
5	256QAM	12	13	19.92	20.11	20.06	20.70
5	256QAM	25	0	19.94	20.03	19.98	20.70

【LTE Band 17_Ant 1_ECI4】

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	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	25.13	25.15	25.20	25.70
10	QPSK	1	25	24.94	25.07	25.09	25.70
10	QPSK	1	49	25.06	25.14	25.12	25.70
10	QPSK	25	0	24.18	24.22	24.24	24.70
10	QPSK	25	12	24.15	24.19	24.11	24.70
10	QPSK	25	25	24.06	24.19	24.15	24.70
10	QPSK	50	0	24.08	24.20	24.11	24.70
10	16QAM	1	0	24.26	24.38	24.40	24.70
10	16QAM	1	25	24.21	24.25	24.17	24.70
10	16QAM	1	49	24.26	24.31	24.22	24.70
10	16QAM	25	0	23.07	23.23	23.19	23.70
10	16QAM	25	12	23.12	23.18	23.21	23.70
10	16QAM	25	25	23.09	23.18	23.11	23.70
10	16QAM	50	0	23.12	23.19	23.21	23.70
10	64QAM	1	0	23.25	23.35	23.26	23.70
10	64QAM	1	25	23.26	23.35	23.27	23.70
10	64QAM	1	49	23.29	23.39	23.35	23.70
10	64QAM	25	0	22.11	22.19	22.09	22.70
10	64QAM	25	12	22.07	22.18	22.12	22.70
10	64QAM	25	25	22.10	22.18	22.15	22.70
10	64QAM	50	0	22.17	22.20	22.20	22.70
10	256QAM	1	0	20.17	20.30	20.25	20.70
10	256QAM	1	25	20.18	20.31	20.31	20.70
10	256QAM	1	49	20.19	20.22	20.12	20.70
10	256QAM	25	0	20.06	20.16	20.12	20.70
10	256QAM	25	12	20.01	20.16	20.17	20.70
10	256QAM	25	25	20.07	20.14	20.15	20.70
10	256QAM	50	0	20.00	20.16	20.08	20.70
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	25.07	25.01	25.08	25.70
5	QPSK	1	12	24.82	25.02	24.98	25.70
5	QPSK	1	24	25.00	25.05	25.06	25.70
5	QPSK	12	0	24.11	24.19	24.22	24.70
5	QPSK	12	7	24.05	24.14	23.97	24.70
5	QPSK	12	13	24.03	24.15	24.03	24.70
5	QPSK	25	0	24.02	24.09	23.96	24.70
5	16QAM	1	0	24.18	24.30	24.25	24.70
5	16QAM	1	12	24.16	24.10	24.09	24.70
5	16QAM	1	24	24.19	24.22	24.16	24.70
5	16QAM	12	0	22.94	23.09	23.12	23.70
5	16QAM	12	7	22.97	23.04	23.11	23.70
5	16QAM	12	13	23.07	23.11	23.04	23.70
5	16QAM	25	0	23.02	23.10	23.12	23.70
5	64QAM	1	0	23.19	23.27	23.22	23.70
5	64QAM	1	12	23.17	23.29	23.26	23.70
5	64QAM	1	24	23.27	23.28	23.31	23.70
5	64QAM	12	0	22.09	22.08	22.04	22.70
5	64QAM	12	7	21.94	22.07	22.05	22.70
5	64QAM	12	13	21.96	22.06	22.05	22.70
5	64QAM	25	0	22.06	22.16	22.16	22.70
5	256QAM	1	0	20.05	20.16	20.16	20.70
5	256QAM	1	12	20.10	20.17	20.22	20.70
5	256QAM	1	24	20.05	20.11	20.08	20.70
5	256QAM	12	0	19.95	20.04	20.05	20.70
5	256QAM	12	7	19.94	20.11	20.09	20.70
5	256QAM	12	13	20.01	20.02	20.12	20.70
5	256QAM	25	0	19.96	20.05	19.95	20.70

【LTE Band 17_Ant 1_ECI5】

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	21.46	21.51	21.44	22.20
10	QPSK	1	25	21.25	21.44	21.25	22.20
10	QPSK	1	49	21.20	21.38	21.25	22.20
10	QPSK	25	0	21.40	21.47	21.42	22.20
10	QPSK	25	12	21.24	21.42	21.34	22.20
10	QPSK	25	25	21.24	21.36	21.16	22.20
10	QPSK	50	0	21.44	21.46	21.42	22.20
10	16QAM	1	0	21.24	21.42	21.30	22.20
10	16QAM	1	25	21.17	21.32	21.22	22.20
10	16QAM	1	49	21.21	21.39	21.18	22.20
10	16QAM	25	0	21.22	21.37	21.21	22.20
10	16QAM	25	12	21.25	21.32	21.23	22.20
10	16QAM	25	25	21.27	21.38	21.20	22.20
10	16QAM	50	0	21.23	21.37	21.27	22.20
10	64QAM	1	0	21.21	21.34	21.24	22.20
10	64QAM	1	25	21.33	21.42	21.27	22.20
10	64QAM	1	49	21.17	21.35	21.17	22.20
10	64QAM	25	0	21.17	21.32	21.12	22.20
10	64QAM	25	12	21.23	21.37	21.25	22.20
10	64QAM	25	25	21.11	21.27	21.08	22.20
10	64QAM	50	0	21.12	21.28	21.20	22.20
10	256QAM	1	0	20.17	20.30	20.25	20.70
10	256QAM	1	25	20.18	20.31	20.31	20.70
10	256QAM	1	49	20.19	20.22	20.12	20.70
10	256QAM	25	0	20.06	20.16	20.12	20.70
10	256QAM	25	12	20.01	20.16	20.17	20.70
10	256QAM	25	25	20.07	20.14	20.15	20.70
10	256QAM	50	0	20.00	20.16	20.08	20.70
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	21.44	21.44	21.43	22.20
5	QPSK	1	12	21.21	21.33	21.18	22.20
5	QPSK	1	24	21.11	21.31	21.16	22.20
5	QPSK	12	0	21.26	21.32	21.27	22.20
5	QPSK	12	7	21.16	21.40	21.31	22.20
5	QPSK	12	13	21.09	21.34	21.14	22.20
5	QPSK	25	0	21.33	21.37	21.28	22.20
5	16QAM	1	0	21.16	21.31	21.18	22.20
5	16QAM	1	12	21.09	21.26	21.11	22.20
5	16QAM	1	24	21.16	21.36	21.08	22.20
5	16QAM	12	0	21.21	21.23	21.13	22.20
5	16QAM	12	7	21.14	21.21	21.22	22.20
5	16QAM	12	13	21.24	21.33	21.07	22.20
5	16QAM	25	0	21.21	21.28	21.23	22.20
5	64QAM	1	0	21.14	21.31	21.12	22.20
5	64QAM	1	12	21.22	21.34	21.25	22.20
5	64QAM	1	24	21.14	21.20	21.04	22.20
5	64QAM	12	0	21.05	21.24	21.02	22.20
5	64QAM	12	7	21.16	21.27	21.23	22.20
5	64QAM	12	13	20.99	21.21	21.00	22.20
5	64QAM	25	0	21.03	21.26	21.16	22.20
5	256QAM	1	0	20.15	20.20	20.20	20.70
5	256QAM	1	12	20.08	20.25	20.21	20.70
5	256QAM	1	24	20.15	20.13	20.10	20.70
5	256QAM	12	0	19.92	20.12	20.07	20.70
5	256QAM	12	7	19.98	20.14	20.11	20.70
5	256QAM	12	13	19.92	20.11	20.06	20.70
5	256QAM	25	0	19.94	20.03	19.98	20.70



【LTE Band 25_Ant 2_Default】

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	24.23	24.27	24.24	25.00
20	QPSK	1	49	23.72	23.80	23.69	25.00
20	QPSK	1	99	23.80	23.93	23.75	25.00
20	QPSK	50	0	23.00	23.14	23.10	24.00
20	QPSK	50	24	22.86	23.04	23.00	24.00
20	QPSK	50	50	22.96	23.05	22.89	24.00
20	QPSK	100	0	22.95	23.10	22.98	24.00
20	16QAM	1	0	23.25	23.35	23.29	24.00
20	16QAM	1	49	23.16	23.35	23.18	24.00
20	16QAM	1	99	23.37	23.46	23.29	24.00
20	16QAM	50	0	21.99	22.08	21.97	23.00
20	16QAM	50	24	22.09	22.14	22.09	23.00
20	16QAM	50	50	22.10	22.22	22.05	23.00
20	16QAM	100	0	22.05	22.24	22.09	23.00
20	64QAM	1	0	22.31	22.45	22.41	23.00
20	64QAM	1	49	22.30	22.41	22.23	23.00
20	64QAM	1	99	22.52	22.62	22.50	23.00
20	64QAM	50	0	21.12	21.22	21.18	22.00
20	64QAM	50	24	21.11	21.25	21.15	22.00
20	64QAM	50	50	21.19	21.27	21.23	22.00
20	64QAM	100	0	21.24	21.36	21.25	22.00
20	256QAM	1	0	19.34	19.42	19.28	20.00
20	256QAM	1	49	19.31	19.40	19.31	20.00
20	256QAM	1	99	19.36	19.52	19.40	20.00
20	256QAM	50	0	19.16	19.24	19.12	20.00
20	256QAM	50	24	19.13	19.26	19.10	20.00
20	256QAM	50	50	19.10	19.28	19.18	20.00
20	256QAM	100	0	19.16	19.29	19.24	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.13	24.22	24.23	25.00
15	QPSK	1	37	23.59	23.73	23.66	25.00
15	QPSK	1	74	23.74	23.85	23.71	25.00
15	QPSK	36	0	22.93	23.04	23.02	24.00
15	QPSK	36	20	22.82	22.91	22.90	24.00
15	QPSK	36	39	22.83	22.91	22.74	24.00
15	QPSK	75	0	22.88	23.05	22.88	24.00
15	16QAM	1	0	23.12	23.31	23.26	24.00
15	16QAM	1	37	23.09	23.32	23.04	24.00
15	16QAM	1	74	23.27	23.44	23.23	24.00
15	16QAM	36	0	21.93	22.00	21.82	23.00
15	16QAM	36	20	22.07	22.06	22.07	23.00
15	16QAM	36	39	22.00	22.17	21.98	23.00
15	16QAM	75	0	21.94	22.09	22.06	23.00
15	64QAM	1	0	22.17	22.30	22.29	23.00
15	64QAM	1	37	22.23	22.27	22.21	23.00
15	64QAM	1	74	22.42	22.51	22.38	23.00
15	64QAM	36	0	21.05	21.15	21.12	22.00
15	64QAM	36	20	21.00	21.12	21.06	22.00
15	64QAM	36	39	21.15	21.12	21.18	22.00
15	64QAM	75	0	21.17	21.22	21.19	22.00
15	256QAM	1	0	19.29	19.30	19.22	20.00
15	256QAM	1	37	19.29	19.31	19.25	20.00
15	256QAM	1	74	19.26	19.42	19.27	20.00
15	256QAM	36	0	19.10	19.15	19.08	20.00
15	256QAM	36	20	19.04	19.19	19.04	20.00
15	256QAM	36	39	19.02	19.17	19.06	20.00
15	256QAM	75	0	19.04	19.22	19.09	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	24.22	24.22	24.19	25.00
10	QPSK	1	25	23.69	23.68	23.62	25.00
10	QPSK	1	49	23.71	23.85	23.60	25.00
10	QPSK	25	0	22.92	23.08	23.01	24.00
10	QPSK	25	12	22.78	22.89	22.95	24.00
10	QPSK	25	25	22.83	22.99	22.76	24.00
10	QPSK	50	0	22.86	23.01	22.92	24.00
10	16QAM	1	0	23.11	23.32	23.28	24.00
10	16QAM	1	25	23.05	23.32	23.07	24.00
10	16QAM	1	49	23.22	23.35	23.23	24.00
10	16QAM	25	0	21.98	22.05	21.89	23.00



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10	16QAM	25	12	21.99	22.05	21.98	23.00
10	16QAM	25	25	21.98	22.13	21.96	23.00
10	16QAM	50	0	21.92	22.16	22.00	23.00
10	64QAM	1	0	22.19	22.40	22.35	23.00
10	64QAM	1	25	22.22	22.37	22.15	23.00
10	64QAM	1	49	22.46	22.59	22.37	23.00
10	64QAM	25	0	21.05	21.09	21.09	22.00
10	64QAM	25	12	21.10	21.17	21.13	22.00
10	64QAM	25	25	21.13	21.14	21.21	22.00
10	64QAM	50	0	21.20	21.35	21.20	22.00
10	256QAM	1	0	19.26	19.32	19.15	20.00
10	256QAM	1	25	19.19	19.31	19.24	20.00
10	256QAM	1	49	19.25	19.48	19.26	20.00
10	256QAM	25	0	19.02	19.09	18.99	20.00
10	256QAM	25	12	19.09	19.15	19.05	20.00
10	256QAM	25	25	18.99	19.16	19.15	20.00
10	256QAM	50	0	19.08	19.19	19.10	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	24.15	24.17	24.14	25.00
5	QPSK	1	12	23.62	23.70	23.57	25.00
5	QPSK	1	24	23.70	23.86	23.70	25.00
5	QPSK	12	0	22.88	23.08	22.97	24.00
5	QPSK	12	7	22.78	22.91	22.90	24.00
5	QPSK	12	13	22.86	22.97	22.78	24.00
5	QPSK	25	0	22.82	23.04	22.84	24.00
5	16QAM	1	0	23.21	23.28	23.17	24.00
5	16QAM	1	12	23.07	23.20	23.11	24.00
5	16QAM	1	24	23.22	23.39	23.23	24.00
5	16QAM	12	0	21.95	22.04	21.95	23.00
5	16QAM	12	7	22.01	22.04	22.01	23.00
5	16QAM	12	13	21.98	22.13	21.92	23.00
5	16QAM	25	0	22.03	22.19	21.95	23.00
5	64QAM	1	0	22.21	22.40	22.27	23.00
5	64QAM	1	12	22.15	22.35	22.10	23.00
5	64QAM	1	24	22.47	22.55	22.37	23.00
5	64QAM	12	0	21.07	21.13	21.09	22.00
5	64QAM	12	7	21.07	21.10	21.14	22.00
5	64QAM	12	13	21.16	21.17	21.21	22.00
5	64QAM	25	0	21.18	21.28	21.16	22.00
5	256QAM	1	0	19.31	19.32	19.16	20.00
5	256QAM	1	12	19.20	19.30	19.27	20.00
5	256QAM	1	24	19.33	19.39	19.29	20.00
5	256QAM	12	0	19.08	19.20	19.10	20.00
5	256QAM	12	7	19.08	19.23	19.02	20.00
5	256QAM	12	13	19.09	19.17	19.05	20.00
5	256QAM	25	0	19.14	19.28	19.12	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	24.18	24.19	24.14	25.00
3	QPSK	1	8	23.69	23.70	23.61	25.00
3	QPSK	1	14	23.77	23.87	23.65	25.00
3	QPSK	8	0	22.84	23.09	22.95	24.00
3	QPSK	8	4	22.76	22.91	22.89	24.00
3	QPSK	8	7	22.93	23.01	22.79	24.00
3	QPSK	15	0	22.80	23.03	22.85	24.00
3	16QAM	1	0	23.14	23.23	23.24	24.00
3	16QAM	1	8	23.08	23.30	23.17	24.00
3	16QAM	1	14	23.33	23.44	23.15	24.00
3	16QAM	8	0	21.94	22.06	21.96	23.00
3	16QAM	8	4	22.03	22.07	21.95	23.00
3	16QAM	8	7	22.02	22.16	21.96	23.00
3	16QAM	15	0	21.95	22.23	21.96	23.00
3	64QAM	1	0	22.30	22.42	22.38	23.00
3	64QAM	1	8	22.17	22.27	22.20	23.00
3	64QAM	1	14	22.43	22.61	22.45	23.00
3	64QAM	8	0	20.99	21.16	21.13	22.00
3	64QAM	8	4	21.05	21.16	21.00	22.00
3	64QAM	8	7	21.10	21.19	21.21	22.00
3	64QAM	15	0	21.17	21.33	21.12	22.00
3	256QAM	1	0	19.32	19.38	19.22	20.00
3	256QAM	1	8	19.19	19.35	19.26	20.00
3	256QAM	1	14	19.24	19.42	19.38	20.00
3	256QAM	8	0	19.07	19.20	19.10	20.00
3	256QAM	8	4	19.09	19.15	19.04	20.00
3	256QAM	8	7	19.09	19.21	19.16	20.00
3	256QAM	15	0	19.11	19.19	19.16	20.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	24.19	24.18	24.12	25.00
1.4	QPSK	1	3	23.58	23.74	23.59	25.00
1.4	QPSK	1	5	23.77	23.84	23.65	25.00
1.4	QPSK	3	0	23.92	24.00	23.99	25.00
1.4	QPSK	3	1	23.81	23.95	23.92	25.00
1.4	QPSK	3	3	23.93	24.02	23.78	25.00
1.4	QPSK	6	0	22.90	23.05	22.93	24.00
1.4	16QAM	1	0	23.15	23.21	23.14	24.00
1.4	16QAM	1	3	23.04	23.27	23.08	24.00
1.4	16QAM	1	5	23.31	23.31	23.27	24.00
1.4	16QAM	3	0	22.84	23.01	22.93	24.00
1.4	16QAM	3	1	23.02	23.05	22.99	24.00
1.4	16QAM	3	3	22.98	23.07	22.99	24.00
1.4	16QAM	6	0	22.01	22.20	21.96	23.00
1.4	64QAM	1	0	22.20	22.35	22.37	23.00
1.4	64QAM	1	3	22.29	22.35	22.15	23.00
1.4	64QAM	1	5	22.41	22.59	22.42	23.00
1.4	64QAM	3	0	21.97	22.13	22.06	23.00
1.4	64QAM	3	1	22.04	22.20	22.09	23.00
1.4	64QAM	3	3	22.14	22.15	22.21	23.00
1.4	64QAM	6	0	21.13	21.28	21.16	22.00
1.4	256QAM	1	0	19.24	19.34	19.18	20.00
1.4	256QAM	1	3	19.17	19.33	19.20	20.00
1.4	256QAM	1	5	19.27	19.41	19.30	20.00
1.4	256QAM	3	0	19.05	19.12	19.11	20.00
1.4	256QAM	3	1	19.06	19.14	18.98	20.00
1.4	256QAM	3	3	19.09	19.17	19.12	20.00
1.4	256QAM	6	0	19.14	19.25	19.10	20.00

【LTE Band 25_Ant 2_ECI1】

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	17.26	17.30	17.22	18.00
20	QPSK	1	49	17.13	17.26	17.10	18.00
20	QPSK	1	99	17.08	17.21	17.08	18.00
20	QPSK	50	0	17.18	17.25	17.16	18.00
20	QPSK	50	24	17.12	17.22	17.11	18.00
20	QPSK	50	50	17.10	17.19	17.07	18.00
20	QPSK	100	0	17.07	17.18	17.00	18.00
20	16QAM	1	0	17.05	17.11	16.93	18.00
20	16QAM	1	49	16.97	17.15	16.94	18.00
20	16QAM	1	99	17.04	17.13	16.99	18.00
20	16QAM	50	0	17.04	17.10	16.91	18.00
20	16QAM	50	24	16.93	17.08	16.95	18.00
20	16QAM	50	50	16.97	17.07	16.97	18.00
20	16QAM	100	0	16.90	17.06	16.94	18.00
20	64QAM	1	0	16.92	17.07	16.85	18.00
20	64QAM	1	49	16.86	17.01	16.83	18.00
20	64QAM	1	99	16.88	17.00	16.80	18.00
20	64QAM	50	0	16.97	17.11	16.96	18.00
20	64QAM	50	24	16.92	17.04	16.90	18.00
20	64QAM	50	50	16.93	17.05	16.95	18.00
20	64QAM	100	0	16.88	17.03	16.92	18.00
20	256QAM	1	0	17.00	17.12	16.92	18.00
20	256QAM	1	49	16.85	16.97	16.80	18.00
20	256QAM	1	99	16.96	17.11	16.94	18.00
20	256QAM	50	0	17.06	17.17	17.04	18.00
20	256QAM	50	24	16.98	17.06	16.95	18.00
20	256QAM	50	50	16.94	17.01	16.86	18.00
20	256QAM	100	0	17.06	17.13	16.96	18.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.19	17.27	17.14	18.00
15	QPSK	1	37	17.02	17.24	17.05	18.00
15	QPSK	1	74	17.05	17.13	17.03	18.00
15	QPSK	36	0	17.06	17.12	16.98	18.00
15	QPSK	36	20	17.09	17.20	17.08	18.00
15	QPSK	36	39	16.97	17.06	16.92	18.00
15	QPSK	75	0	17.05	17.15	16.86	18.00



15	16QAM	1	0	16.92	17.07	16.85	18.00
15	16QAM	1	37	16.85	17.08	16.82	18.00
15	16QAM	1	74	16.93	17.03	16.88	18.00
15	16QAM	36	0	16.90	17.08	16.81	18.00
15	16QAM	36	20	16.85	17.06	16.91	18.00
15	16QAM	36	39	16.89	16.92	16.85	18.00
15	16QAM	75	0	16.83	17.01	16.89	18.00
15	64QAM	1	0	16.89	17.00	16.81	18.00
15	64QAM	1	37	16.77	16.88	16.81	18.00
15	64QAM	1	74	16.81	16.87	16.76	18.00
15	64QAM	36	0	16.90	16.99	16.95	18.00
15	64QAM	36	20	16.83	17.03	16.79	18.00
15	64QAM	36	39	16.78	16.91	16.86	18.00
15	64QAM	75	0	16.84	16.99	16.85	18.00
15	256QAM	1	0	16.86	17.01	16.81	18.00
15	256QAM	1	37	16.75	16.90	16.73	18.00
15	256QAM	1	74	16.91	17.09	16.85	18.00
15	256QAM	36	0	16.92	17.12	17.01	18.00
15	256QAM	36	20	16.86	16.98	16.84	18.00
15	256QAM	36	39	16.89	16.90	16.79	18.00
15	256QAM	75	0	17.02	17.10	16.94	18.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	17.20	17.24	17.08	18.00
10	QPSK	1	25	17.00	17.21	16.97	18.00
10	QPSK	1	49	17.05	17.17	17.05	18.00
10	QPSK	25	0	17.09	17.10	16.93	18.00
10	QPSK	25	12	17.08	17.19	17.06	18.00
10	QPSK	25	25	16.99	17.07	17.04	18.00
10	QPSK	50	0	16.98	17.10	16.88	18.00
10	16QAM	1	0	17.01	16.99	16.87	18.00
10	16QAM	1	25	16.86	17.06	16.88	18.00
10	16QAM	1	49	16.93	17.11	16.89	18.00
10	16QAM	25	0	16.94	16.97	16.78	18.00
10	16QAM	25	12	16.84	17.04	16.89	18.00
10	16QAM	25	25	16.86	17.02	16.93	18.00
10	16QAM	50	0	16.85	17.01	16.81	18.00
10	64QAM	1	0	16.85	16.98	16.71	18.00
10	64QAM	1	25	16.80	16.95	16.77	18.00
10	64QAM	1	49	16.81	16.88	16.72	18.00
10	64QAM	25	0	16.94	16.96	16.85	18.00
10	64QAM	25	12	16.91	16.92	16.89	18.00
10	64QAM	25	25	16.85	17.02	16.83	18.00
10	64QAM	50	0	16.73	16.92	16.78	18.00
10	256QAM	1	0	16.94	17.07	16.84	18.00
10	256QAM	1	25	16.73	16.89	16.74	18.00
10	256QAM	1	49	16.82	17.06	16.92	18.00
10	256QAM	25	0	16.94	17.08	16.93	18.00
10	256QAM	25	12	16.83	17.01	16.80	18.00
10	256QAM	25	25	16.91	16.96	16.84	18.00
10	256QAM	50	0	16.98	17.08	16.83	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.22	17.25	17.14	18.00
5	QPSK	1	12	17.01	17.22	17.02	18.00
5	QPSK	1	24	17.00	17.06	17.00	18.00
5	QPSK	12	0	17.06	17.16	17.02	18.00
5	QPSK	12	7	16.99	17.14	17.07	18.00
5	QPSK	12	13	16.99	17.17	17.05	18.00
5	QPSK	25	0	17.00	17.11	16.86	18.00
5	16QAM	1	0	16.90	16.97	16.84	18.00
5	16QAM	1	12	16.96	17.12	16.86	18.00
5	16QAM	1	24	16.91	17.04	16.86	18.00
5	16QAM	12	0	16.98	17.01	16.89	18.00
5	16QAM	12	7	16.88	17.03	16.83	18.00
5	16QAM	12	13	16.93	17.00	16.82	18.00
5	16QAM	25	0	16.87	16.92	16.83	18.00
5	64QAM	1	0	16.84	17.04	16.78	18.00
5	64QAM	1	12	16.81	16.97	16.79	18.00
5	64QAM	1	24	16.74	16.98	16.66	18.00
5	64QAM	12	0	16.94	16.97	16.90	18.00
5	64QAM	12	7	16.91	16.92	16.76	18.00
5	64QAM	12	13	16.86	16.97	16.81	18.00
5	64QAM	25	0	16.83	16.91	16.85	18.00
5	256QAM	1	0	16.95	17.03	16.78	18.00
5	256QAM	1	12	16.82	16.83	16.78	18.00
5	256QAM	1	24	16.85	17.02	16.83	18.00
5	256QAM	12	0	16.95	17.02	16.89	18.00



5	256QAM	12	7	16.96	17.01	16.84	18.00
5	256QAM	12	13	16.85	16.87	16.72	18.00
5	256QAM	25	0	17.00	17.03	16.86	18.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.15	17.24	17.13	18.00
3	QPSK	1	8	17.07	17.17	16.96	18.00
3	QPSK	1	14	17.02	17.12	17.01	18.00
3	QPSK	8	0	17.05	17.13	17.04	18.00
3	QPSK	8	4	16.97	17.16	17.00	18.00
3	QPSK	8	7	16.97	17.09	17.06	18.00
3	QPSK	15	0	17.05	17.17	16.86	18.00
3	16QAM	1	0	16.93	16.96	16.84	18.00
3	16QAM	1	8	16.93	17.03	16.81	18.00
3	16QAM	1	14	16.95	17.07	16.87	18.00
3	16QAM	8	0	16.91	17.05	16.87	18.00
3	16QAM	8	4	16.87	16.97	16.82	18.00
3	16QAM	8	7	16.89	17.04	16.84	18.00
3	16QAM	15	0	16.82	16.92	16.90	18.00
3	64QAM	1	0	16.89	17.00	16.74	18.00
3	64QAM	1	8	16.85	16.88	16.72	18.00
3	64QAM	1	14	16.85	16.91	16.72	18.00
3	64QAM	8	0	16.87	17.01	16.85	18.00
3	64QAM	8	4	16.88	16.96	16.85	18.00
3	64QAM	8	7	16.90	16.96	16.84	18.00
3	64QAM	15	0	16.80	16.99	16.78	18.00
3	256QAM	1	0	16.95	16.99	16.79	18.00
3	256QAM	1	8	16.72	16.86	16.74	18.00
3	256QAM	1	14	16.88	17.00	16.85	18.00
3	256QAM	8	0	17.00	17.15	16.95	18.00
3	256QAM	8	4	16.90	16.98	16.89	18.00
3	256QAM	8	7	16.91	16.95	16.76	18.00
3	256QAM	15	0	17.01	17.12	16.84	18.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.23	17.22	17.13	18.00
1.4	QPSK	1	3	17.05	17.13	17.01	18.00
1.4	QPSK	1	5	17.02	17.17	16.96	18.00
1.4	QPSK	3	0	17.08	17.15	17.05	18.00
1.4	QPSK	3	1	17.02	17.10	16.98	18.00
1.4	QPSK	3	3	17.02	17.17	16.96	18.00
1.4	QPSK	6	0	16.97	17.09	16.97	18.00
1.4	16QAM	1	0	17.01	17.01	16.87	18.00
1.4	16QAM	1	3	16.83	17.03	16.91	18.00
1.4	16QAM	1	5	16.99	17.00	16.94	18.00
1.4	16QAM	3	0	16.91	16.97	16.85	18.00
1.4	16QAM	3	1	16.80	17.00	16.86	18.00
1.4	16QAM	3	3	16.93	16.93	16.86	18.00
1.4	16QAM	6	0	16.82	17.03	16.86	18.00
1.4	64QAM	1	0	16.86	16.98	16.74	18.00
1.4	64QAM	1	3	16.79	16.86	16.69	18.00
1.4	64QAM	1	5	16.82	16.97	16.71	18.00
1.4	64QAM	3	0	16.88	17.04	16.91	18.00
1.4	64QAM	3	1	16.81	16.90	16.88	18.00
1.4	64QAM	3	3	16.79	16.91	16.86	18.00
1.4	64QAM	6	0	16.76	16.93	16.86	18.00
1.4	256QAM	1	0	16.88	16.97	16.82	18.00
1.4	256QAM	1	3	16.81	16.95	16.70	18.00
1.4	256QAM	1	5	16.88	16.98	16.81	18.00
1.4	256QAM	3	0	16.91	17.02	16.96	18.00
1.4	256QAM	3	1	16.91	17.00	16.82	18.00
1.4	256QAM	3	3	16.84	16.88	16.81	18.00
1.4	256QAM	6	0	17.04	17.05	16.93	18.00



【LTE Band 25_Ant 2_ECI3】

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	19.25	19.31	19.23	20.00
20	QPSK	1	49	18.91	19.10	18.95	20.00
20	QPSK	1	99	18.89	19.06	18.96	20.00
20	QPSK	50	0	19.20	19.25	19.21	20.00
20	QPSK	50	24	18.94	19.08	18.93	20.00
20	QPSK	50	50	18.97	19.11	18.94	20.00
20	QPSK	100	0	19.18	19.22	19.19	20.00
20	16QAM	1	0	18.78	18.98	18.82	20.00
20	16QAM	1	49	18.88	19.04	18.82	20.00
20	16QAM	1	99	18.98	19.06	18.90	20.00
20	16QAM	50	0	18.91	19.07	18.85	20.00
20	16QAM	50	24	18.94	19.07	18.87	20.00
20	16QAM	50	50	18.81	19.02	18.92	20.00
20	16QAM	100	0	18.91	19.03	18.86	20.00
20	64QAM	1	0	18.96	19.07	18.96	20.00
20	64QAM	1	49	18.93	19.01	18.90	20.00
20	64QAM	1	99	18.84	19.02	18.91	20.00
20	64QAM	50	0	18.93	19.05	18.92	20.00
20	64QAM	50	24	18.90	19.06	18.89	20.00
20	64QAM	50	50	18.91	19.07	18.90	20.00
20	64QAM	100	0	18.89	19.03	18.87	20.00
20	256QAM	1	0	18.86	19.00	18.78	20.00
20	256QAM	1	49	19.00	19.12	18.99	20.00
20	256QAM	1	99	18.89	19.02	18.91	20.00
20	256QAM	50	0	18.94	19.12	18.94	20.00
20	256QAM	50	24	19.01	19.08	18.88	20.00
20	256QAM	50	50	18.95	19.05	18.86	20.00
20	256QAM	100	0	18.88	19.01	18.80	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.18	19.21	19.11	20.00
15	QPSK	1	37	18.78	18.95	18.90	20.00
15	QPSK	1	74	18.84	18.93	18.89	20.00
15	QPSK	36	0	19.10	19.18	19.19	20.00
15	QPSK	36	20	18.89	18.93	18.87	20.00
15	QPSK	36	39	18.91	19.07	18.87	20.00
15	QPSK	75	0	19.05	19.11	19.05	20.00
15	16QAM	1	0	18.73	18.95	18.81	20.00
15	16QAM	1	37	18.85	18.91	18.80	20.00
15	16QAM	1	74	18.94	19.02	18.78	20.00
15	16QAM	36	0	18.79	18.94	18.71	20.00
15	16QAM	36	20	18.91	19.06	18.80	20.00
15	16QAM	36	39	18.68	18.95	18.81	20.00
15	16QAM	75	0	18.77	18.96	18.72	20.00
15	64QAM	1	0	18.88	19.04	18.87	20.00
15	64QAM	1	37	18.86	18.99	18.87	20.00
15	64QAM	1	74	18.76	18.97	18.81	20.00
15	64QAM	36	0	18.85	18.96	18.88	20.00
15	64QAM	36	20	18.78	19.05	18.78	20.00
15	64QAM	36	39	18.83	19.02	18.75	20.00
15	64QAM	75	0	18.85	19.00	18.73	20.00
15	256QAM	1	0	18.73	18.97	18.64	20.00
15	256QAM	1	37	18.94	19.08	18.90	20.00
15	256QAM	1	74	18.83	18.93	18.86	20.00
15	256QAM	36	0	18.80	19.08	18.84	20.00
15	256QAM	36	20	18.99	18.95	18.81	20.00
15	256QAM	36	39	18.82	18.94	18.82	20.00
15	256QAM	75	0	18.80	18.88	18.77	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.12	19.24	19.19	20.00
10	QPSK	1	25	18.90	19.06	18.84	20.00
10	QPSK	1	49	18.86	18.92	18.82	20.00
10	QPSK	25	0	19.15	19.11	19.06	20.00
10	QPSK	25	12	18.85	18.94	18.87	20.00
10	QPSK	25	25	18.92	19.06	18.92	20.00
10	QPSK	50	0	19.13	19.15	19.05	20.00
10	16QAM	1	0	18.69	18.95	18.78	20.00
10	16QAM	1	25	18.79	19.00	18.79	20.00
10	16QAM	1	49	18.87	18.94	18.82	20.00
10	16QAM	25	0	18.77	18.94	18.84	20.00



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10	16QAM	25	12	18.85	19.03	18.86	20.00
10	16QAM	25	25	18.78	18.88	18.78	20.00
10	16QAM	50	0	18.87	18.94	18.77	20.00
10	64QAM	1	0	18.88	19.00	18.83	20.00
10	64QAM	1	25	18.87	18.94	18.81	20.00
10	64QAM	1	49	18.77	18.89	18.88	20.00
10	64QAM	25	0	18.86	18.96	18.82	20.00
10	64QAM	25	12	18.85	18.94	18.79	20.00
10	64QAM	25	25	18.80	18.97	18.76	20.00
10	64QAM	50	0	18.83	18.90	18.74	20.00
10	256QAM	1	0	18.78	18.95	18.75	20.00
10	256QAM	1	25	18.90	19.02	18.91	20.00
10	256QAM	1	49	18.85	18.97	18.88	20.00
10	256QAM	25	0	18.81	19.04	18.81	20.00
10	256QAM	25	12	18.89	18.93	18.81	20.00
10	256QAM	25	25	18.91	18.96	18.78	20.00
10	256QAM	50	0	18.76	18.90	18.69	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.13	19.23	19.17	20.00
5	QPSK	1	12	18.86	19.01	18.83	20.00
5	QPSK	1	24	18.75	19.03	18.83	20.00
5	QPSK	12	0	19.17	19.11	19.09	20.00
5	QPSK	12	7	18.92	18.94	18.92	20.00
5	QPSK	12	13	18.95	18.98	18.83	20.00
5	QPSK	25	0	19.04	19.21	19.08	20.00
5	16QAM	1	0	18.64	18.97	18.71	20.00
5	16QAM	1	12	18.86	18.90	18.73	20.00
5	16QAM	1	24	18.91	18.99	18.82	20.00
5	16QAM	12	0	18.85	18.92	18.82	20.00
5	16QAM	12	7	18.79	19.03	18.85	20.00
5	16QAM	12	13	18.74	18.93	18.83	20.00
5	16QAM	25	0	18.88	18.89	18.76	20.00
5	64QAM	1	0	18.94	18.99	18.90	20.00
5	64QAM	1	12	18.81	18.86	18.85	20.00
5	64QAM	1	24	18.73	18.99	18.77	20.00
5	64QAM	12	0	18.81	18.95	18.80	20.00
5	64QAM	12	7	18.88	18.97	18.76	20.00
5	64QAM	12	13	18.84	18.93	18.81	20.00
5	64QAM	25	0	18.87	18.96	18.76	20.00
5	256QAM	1	0	18.75	18.86	18.64	20.00
5	256QAM	1	12	18.87	19.10	18.94	20.00
5	256QAM	1	24	18.74	18.87	18.80	20.00
5	256QAM	12	0	18.81	19.03	18.84	20.00
5	256QAM	12	7	18.96	19.06	18.77	20.00
5	256QAM	12	13	18.93	18.95	18.79	20.00
5	256QAM	25	0	18.82	18.93	18.76	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.22	19.23	19.09	20.00
3	QPSK	1	8	18.90	19.00	18.88	20.00
3	QPSK	1	14	18.86	18.91	18.90	20.00
3	QPSK	8	0	19.17	19.13	19.11	20.00
3	QPSK	8	4	18.83	19.03	18.88	20.00
3	QPSK	8	7	18.83	19.04	18.85	20.00
3	QPSK	15	0	19.07	19.14	19.10	20.00
3	16QAM	1	0	18.64	18.85	18.79	20.00
3	16QAM	1	8	18.86	18.90	18.75	20.00
3	16QAM	1	14	18.93	19.03	18.86	20.00
3	16QAM	8	0	18.84	18.97	18.79	20.00
3	16QAM	8	4	18.80	18.95	18.74	20.00
3	16QAM	8	7	18.77	18.93	18.86	20.00
3	16QAM	15	0	18.85	18.99	18.75	20.00
3	64QAM	1	0	18.89	18.96	18.92	20.00
3	64QAM	1	8	18.85	18.88	18.83	20.00
3	64QAM	1	14	18.75	19.00	18.81	20.00
3	64QAM	8	0	18.89	18.92	18.85	20.00
3	64QAM	8	4	18.76	19.04	18.81	20.00
3	64QAM	8	7	18.87	19.00	18.88	20.00
3	64QAM	15	0	18.86	18.90	18.72	20.00
3	256QAM	1	0	18.82	18.97	18.76	20.00
3	256QAM	1	8	18.88	19.03	18.91	20.00
3	256QAM	1	14	18.78	18.96	18.77	20.00
3	256QAM	8	0	18.84	18.99	18.93	20.00
3	256QAM	8	4	18.98	19.05	18.83	20.00
3	256QAM	8	7	18.91	19.03	18.81	20.00
3	256QAM	15	0	18.81	18.89	18.67	20.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	19.14	19.18	19.12	20.00
1.4	QPSK	1	3	18.77	19.01	18.91	20.00
1.4	QPSK	1	5	18.85	18.96	18.83	20.00
1.4	QPSK	3	0	19.16	19.19	19.06	20.00
1.4	QPSK	3	1	18.82	19.05	18.86	20.00
1.4	QPSK	3	3	18.93	18.97	18.79	20.00
1.4	QPSK	6	0	19.09	19.20	19.10	20.00
1.4	16QAM	1	0	18.65	18.93	18.71	20.00
1.4	16QAM	1	3	18.74	19.01	18.72	20.00
1.4	16QAM	1	5	18.94	18.93	18.80	20.00
1.4	16QAM	3	0	18.83	19.06	18.78	20.00
1.4	16QAM	3	1	18.90	18.92	18.83	20.00
1.4	16QAM	3	3	18.72	18.93	18.80	20.00
1.4	16QAM	6	0	18.89	18.95	18.80	20.00
1.4	64QAM	1	0	18.82	19.00	18.92	20.00
1.4	64QAM	1	3	18.83	18.94	18.89	20.00
1.4	64QAM	1	5	18.74	18.98	18.82	20.00
1.4	64QAM	3	0	18.79	19.04	18.81	20.00
1.4	64QAM	3	1	18.81	18.96	18.76	20.00
1.4	64QAM	3	3	18.81	19.02	18.84	20.00
1.4	64QAM	6	0	18.82	18.94	18.78	20.00
1.4	256QAM	1	0	18.74	18.90	18.69	20.00
1.4	256QAM	1	3	18.88	19.00	18.86	20.00
1.4	256QAM	1	5	18.87	18.89	18.79	20.00
1.4	256QAM	3	0	18.85	18.97	18.83	20.00
1.4	256QAM	3	1	18.93	19.01	18.82	20.00
1.4	256QAM	3	3	18.86	18.95	18.78	20.00
1.4	256QAM	6	0	18.75	18.90	18.72	20.00

【LTE Band 25_Ant 2_ECI4】

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	24.23	24.27	24.24	25.00
20	QPSK	1	49	23.72	23.80	23.69	25.00
20	QPSK	1	99	23.80	23.93	23.75	25.00
20	QPSK	50	0	23.00	23.14	23.10	24.00
20	QPSK	50	24	22.86	23.04	23.00	24.00
20	QPSK	50	50	22.96	23.05	22.89	24.00
20	QPSK	100	0	22.95	23.10	22.98	24.00
20	16QAM	1	0	23.25	23.35	23.29	24.00
20	16QAM	1	49	23.16	23.35	23.18	24.00
20	16QAM	1	99	23.37	23.46	23.29	24.00
20	16QAM	50	0	21.99	22.08	21.97	23.00
20	16QAM	50	24	22.09	22.14	22.09	23.00
20	16QAM	50	50	22.10	22.22	22.05	23.00
20	16QAM	100	0	22.05	22.24	22.09	23.00
20	64QAM	1	0	22.31	22.45	22.41	23.00
20	64QAM	1	49	22.30	22.41	22.23	23.00
20	64QAM	1	99	22.52	22.62	22.50	23.00
20	64QAM	50	0	21.12	21.22	21.18	22.00
20	64QAM	50	24	21.11	21.25	21.15	22.00
20	64QAM	50	50	21.19	21.27	21.23	22.00
20	64QAM	100	0	21.24	21.36	21.25	22.00
20	256QAM	1	0	19.34	19.42	19.28	20.00
20	256QAM	1	49	19.31	19.40	19.31	20.00
20	256QAM	1	99	19.36	19.52	19.40	20.00
20	256QAM	50	0	19.16	19.24	19.12	20.00
20	256QAM	50	24	19.13	19.26	19.10	20.00
20	256QAM	50	50	19.10	19.28	19.18	20.00
20	256QAM	100	0	19.16	19.29	19.24	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.13	24.22	24.23	25.00
15	QPSK	1	37	23.59	23.73	23.66	25.00
15	QPSK	1	74	23.74	23.85	23.71	25.00
15	QPSK	36	0	22.93	23.04	23.02	24.00
15	QPSK	36	20	22.82	22.91	22.90	24.00
15	QPSK	36	39	22.83	22.91	22.74	24.00
15	QPSK	75	0	22.88	23.05	22.88	24.00



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15	16QAM	1	0	23.12	23.31	23.26	24.00
15	16QAM	1	37	23.09	23.32	23.04	24.00
15	16QAM	1	74	23.27	23.44	23.23	24.00
15	16QAM	36	0	21.93	22.00	21.82	23.00
15	16QAM	36	20	22.07	22.06	22.07	23.00
15	16QAM	36	39	22.00	22.17	21.98	23.00
15	16QAM	75	0	21.94	22.09	22.06	23.00
15	64QAM	1	0	22.17	22.30	22.29	23.00
15	64QAM	1	37	22.23	22.27	22.21	23.00
15	64QAM	1	74	22.42	22.51	22.38	23.00
15	64QAM	36	0	21.05	21.15	21.12	22.00
15	64QAM	36	20	21.00	21.12	21.06	22.00
15	64QAM	36	39	21.15	21.12	21.18	22.00
15	64QAM	75	0	21.17	21.22	21.19	22.00
15	256QAM	1	0	19.29	19.30	19.22	20.00
15	256QAM	1	37	19.29	19.31	19.25	20.00
15	256QAM	1	74	19.26	19.42	19.27	20.00
15	256QAM	36	0	19.10	19.15	19.08	20.00
15	256QAM	36	20	19.04	19.19	19.04	20.00
15	256QAM	36	39	19.02	19.17	19.06	20.00
15	256QAM	75	0	19.04	19.22	19.09	20.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	24.22	24.22	24.19	25.00
10	QPSK	1	25	23.69	23.68	23.62	25.00
10	QPSK	1	49	23.71	23.85	23.60	25.00
10	QPSK	25	0	22.92	23.08	23.01	24.00
10	QPSK	25	12	22.78	22.89	22.95	24.00
10	QPSK	25	25	22.83	22.99	22.76	24.00
10	QPSK	50	0	22.86	23.01	22.92	24.00
10	16QAM	1	0	23.11	23.32	23.28	24.00
10	16QAM	1	25	23.05	23.32	23.07	24.00
10	16QAM	1	49	23.22	23.35	23.23	24.00
10	16QAM	25	0	21.98	22.05	21.89	23.00
10	16QAM	25	12	21.99	22.05	21.98	23.00
10	16QAM	25	25	21.98	22.13	21.96	23.00
10	16QAM	50	0	21.92	22.16	22.00	23.00
10	64QAM	1	0	22.19	22.40	22.35	23.00
10	64QAM	1	25	22.22	22.37	22.15	23.00
10	64QAM	1	49	22.46	22.59	22.37	23.00
10	64QAM	25	0	21.05	21.09	21.09	22.00
10	64QAM	25	12	21.10	21.17	21.13	22.00
10	64QAM	25	25	21.13	21.14	21.21	22.00
10	64QAM	50	0	21.20	21.35	21.20	22.00
10	256QAM	1	0	19.26	19.32	19.15	20.00
10	256QAM	1	25	19.19	19.31	19.24	20.00
10	256QAM	1	49	19.25	19.48	19.26	20.00
10	256QAM	25	0	19.02	19.09	18.99	20.00
10	256QAM	25	12	19.09	19.15	19.05	20.00
10	256QAM	25	25	18.99	19.16	19.15	20.00
10	256QAM	50	0	19.08	19.19	19.10	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	24.15	24.17	24.14	25.00
5	QPSK	1	12	23.62	23.70	23.57	25.00
5	QPSK	1	24	23.70	23.86	23.70	25.00
5	QPSK	12	0	22.88	23.08	22.97	24.00
5	QPSK	12	7	22.78	22.91	22.90	24.00
5	QPSK	12	13	22.86	22.97	22.78	24.00
5	QPSK	25	0	22.82	23.04	22.84	24.00
5	16QAM	1	0	23.21	23.28	23.17	24.00
5	16QAM	1	12	23.07	23.20	23.11	24.00
5	16QAM	1	24	23.22	23.39	23.23	24.00
5	16QAM	12	0	21.95	22.04	21.95	23.00
5	16QAM	12	7	22.01	22.04	22.01	23.00
5	16QAM	12	13	21.98	22.13	21.92	23.00
5	16QAM	25	0	22.03	22.19	21.95	23.00
5	64QAM	1	0	22.21	22.40	22.27	23.00
5	64QAM	1	12	22.15	22.35	22.10	23.00
5	64QAM	1	24	22.47	22.55	22.37	23.00
5	64QAM	12	0	21.07	21.13	21.09	22.00
5	64QAM	12	7	21.07	21.10	21.14	22.00
5	64QAM	12	13	21.16	21.17	21.21	22.00
5	64QAM	25	0	21.18	21.28	21.16	22.00
5	256QAM	1	0	19.31	19.32	19.16	20.00
5	256QAM	1	12	19.20	19.30	19.27	20.00
5	256QAM	1	24	19.33	19.39	19.29	20.00
5	256QAM	12	0	19.08	19.20	19.10	20.00



5	256QAM	12	7	19.08	19.23	19.02	20.00
5	256QAM	12	13	19.09	19.17	19.05	20.00
5	256QAM	25	0	19.14	19.28	19.12	20.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	24.18	24.19	24.14	25.00
3	QPSK	1	8	23.69	23.70	23.61	25.00
3	QPSK	1	14	23.77	23.87	23.65	25.00
3	QPSK	8	0	22.84	23.09	22.95	24.00
3	QPSK	8	4	22.76	22.91	22.89	24.00
3	QPSK	8	7	22.93	23.01	22.79	24.00
3	QPSK	15	0	22.80	23.03	22.85	24.00
3	16QAM	1	0	23.14	23.23	23.24	24.00
3	16QAM	1	8	23.08	23.30	23.17	24.00
3	16QAM	1	14	23.33	23.44	23.15	24.00
3	16QAM	8	0	21.94	22.06	21.96	23.00
3	16QAM	8	4	22.03	22.07	21.95	23.00
3	16QAM	8	7	22.02	22.16	21.96	23.00
3	16QAM	15	0	21.95	22.23	21.96	23.00
3	64QAM	1	0	22.30	22.42	22.38	23.00
3	64QAM	1	8	22.17	22.27	22.20	23.00
3	64QAM	1	14	22.43	22.61	22.45	23.00
3	64QAM	8	0	20.99	21.16	21.13	22.00
3	64QAM	8	4	21.05	21.16	21.00	22.00
3	64QAM	8	7	21.10	21.19	21.21	22.00
3	64QAM	15	0	21.17	21.33	21.12	22.00
3	256QAM	1	0	19.32	19.38	19.22	20.00
3	256QAM	1	8	19.19	19.35	19.26	20.00
3	256QAM	1	14	19.24	19.42	19.38	20.00
3	256QAM	8	0	19.07	19.20	19.10	20.00
3	256QAM	8	4	19.09	19.15	19.04	20.00
3	256QAM	8	7	19.09	19.21	19.16	20.00
3	256QAM	15	0	19.11	19.19	19.16	20.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.19	24.18	24.12	25.00
1.4	QPSK	1	3	23.58	23.74	23.59	25.00
1.4	QPSK	1	5	23.77	23.84	23.65	25.00
1.4	QPSK	3	0	23.92	24.00	23.99	25.00
1.4	QPSK	3	1	23.81	23.95	23.92	25.00
1.4	QPSK	3	3	23.93	24.02	23.78	25.00
1.4	QPSK	6	0	22.90	23.05	22.93	24.00
1.4	16QAM	1	0	23.15	23.21	23.14	24.00
1.4	16QAM	1	3	23.04	23.27	23.08	24.00
1.4	16QAM	1	5	23.31	23.31	23.27	24.00
1.4	16QAM	3	0	22.84	23.01	22.93	24.00
1.4	16QAM	3	1	23.02	23.05	22.99	24.00
1.4	16QAM	3	3	22.98	23.07	22.99	24.00
1.4	16QAM	6	0	22.01	22.20	21.96	23.00
1.4	64QAM	1	0	22.20	22.35	22.37	23.00
1.4	64QAM	1	3	22.29	22.35	22.15	23.00
1.4	64QAM	1	5	22.41	22.59	22.42	23.00
1.4	64QAM	3	0	21.97	22.13	22.06	23.00
1.4	64QAM	3	1	22.04	22.20	22.09	23.00
1.4	64QAM	3	3	22.14	22.15	22.21	23.00
1.4	64QAM	6	0	21.13	21.28	21.16	22.00
1.4	256QAM	1	0	19.24	19.34	19.18	20.00
1.4	256QAM	1	3	19.17	19.33	19.20	20.00
1.4	256QAM	1	5	19.27	19.41	19.30	20.00
1.4	256QAM	3	0	19.05	19.12	19.11	20.00
1.4	256QAM	3	1	19.06	19.14	18.98	20.00
1.4	256QAM	3	3	19.09	19.17	19.12	20.00
1.4	256QAM	6	0	19.14	19.25	19.10	20.00



【LTE Band 25_Ant 2_ECI5】

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	18.00
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.26	17.30	17.22	18.00
20	QPSK	1	49	17.13	17.26	17.10	18.00
20	QPSK	1	99	17.08	17.21	17.08	18.00
20	QPSK	50	0	17.18	17.25	17.16	18.00
20	QPSK	50	24	17.12	17.22	17.11	18.00
20	QPSK	50	50	17.10	17.19	17.07	18.00
20	QPSK	100	0	17.07	17.18	17.00	18.00
20	16QAM	1	0	17.05	17.11	16.93	18.00
20	16QAM	1	49	16.97	17.15	16.94	18.00
20	16QAM	1	99	17.04	17.13	16.99	18.00
20	16QAM	50	0	17.04	17.10	16.91	18.00
20	16QAM	50	24	16.93	17.08	16.95	18.00
20	16QAM	50	50	16.97	17.07	16.97	18.00
20	16QAM	100	0	16.90	17.06	16.94	18.00
20	64QAM	1	0	16.92	17.07	16.85	18.00
20	64QAM	1	49	16.86	17.01	16.83	18.00
20	64QAM	1	99	16.88	17.00	16.80	18.00
20	64QAM	50	0	16.97	17.11	16.96	18.00
20	64QAM	50	24	16.92	17.04	16.90	18.00
20	64QAM	50	50	16.93	17.05	16.95	18.00
20	64QAM	100	0	16.88	17.03	16.92	18.00
20	256QAM	1	0	17.00	17.12	16.92	18.00
20	256QAM	1	49	16.85	16.97	16.80	18.00
20	256QAM	1	99	16.96	17.11	16.94	18.00
20	256QAM	50	0	17.06	17.17	17.04	18.00
20	256QAM	50	24	16.98	17.06	16.95	18.00
20	256QAM	50	50	16.94	17.01	16.86	18.00
20	256QAM	100	0	17.06	17.13	16.96	18.00
Channel				26115	26340	26615	18.00
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.19	17.27	17.14	18.00
15	QPSK	1	37	17.02	17.24	17.05	18.00
15	QPSK	1	74	17.05	17.13	17.03	18.00
15	QPSK	36	0	17.06	17.12	16.98	18.00
15	QPSK	36	20	17.09	17.20	17.08	18.00
15	QPSK	36	39	16.97	17.06	16.92	18.00
15	QPSK	75	0	17.05	17.15	16.86	18.00
15	16QAM	1	0	16.92	17.07	16.85	18.00
15	16QAM	1	37	16.85	17.08	16.82	18.00
15	16QAM	1	74	16.93	17.03	16.88	18.00
15	16QAM	36	0	16.90	17.08	16.81	18.00
15	16QAM	36	20	16.85	17.06	16.91	18.00
15	16QAM	36	39	16.89	16.92	16.85	18.00
15	16QAM	75	0	16.83	17.01	16.89	18.00
15	64QAM	1	0	16.89	17.00	16.81	18.00
15	64QAM	1	37	16.77	16.88	16.81	18.00
15	64QAM	1	74	16.81	16.87	16.76	18.00
15	64QAM	36	0	16.90	16.99	16.95	18.00
15	64QAM	36	20	16.83	17.03	16.79	18.00
15	64QAM	36	39	16.78	16.91	16.86	18.00
15	64QAM	75	0	16.84	16.99	16.85	18.00
15	256QAM	1	0	16.86	17.01	16.81	18.00
15	256QAM	1	37	16.75	16.90	16.73	18.00
15	256QAM	1	74	16.91	17.09	16.85	18.00
15	256QAM	36	0	16.92	17.12	17.01	18.00
15	256QAM	36	20	16.86	16.98	16.84	18.00
15	256QAM	36	39	16.89	16.90	16.79	18.00
15	256QAM	75	0	17.02	17.10	16.94	18.00
Channel				26090	26340	26640	18.00
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.20	17.24	17.08	18.00
10	QPSK	1	25	17.00	17.21	16.97	18.00
10	QPSK	1	49	17.05	17.17	17.05	18.00
10	QPSK	25	0	17.09	17.10	16.93	18.00
10	QPSK	25	12	17.08	17.19	17.06	18.00
10	QPSK	25	25	16.99	17.07	17.04	18.00
10	QPSK	50	0	16.98	17.10	16.88	18.00
10	16QAM	1	0	17.01	16.99	16.87	18.00
10	16QAM	1	25	16.86	17.06	16.88	18.00
10	16QAM	1	49	16.93	17.11	16.89	18.00
10	16QAM	25	0	16.94	16.97	16.78	18.00



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10	16QAM	25	12	16.84	17.04	16.89	18.00
10	16QAM	25	25	16.86	17.02	16.93	18.00
10	16QAM	50	0	16.85	17.01	16.81	18.00
10	64QAM	1	0	16.85	16.98	16.71	18.00
10	64QAM	1	25	16.80	16.95	16.77	18.00
10	64QAM	1	49	16.81	16.88	16.72	18.00
10	64QAM	25	0	16.94	16.96	16.85	18.00
10	64QAM	25	12	16.91	16.92	16.89	18.00
10	64QAM	25	25	16.85	17.02	16.83	18.00
10	64QAM	50	0	16.73	16.92	16.78	18.00
10	256QAM	1	0	16.94	17.07	16.84	18.00
10	256QAM	1	25	16.73	16.89	16.74	18.00
10	256QAM	1	49	16.82	17.06	16.92	18.00
10	256QAM	25	0	16.94	17.08	16.93	18.00
10	256QAM	25	12	16.83	17.01	16.80	18.00
10	256QAM	25	25	16.91	16.96	16.84	18.00
10	256QAM	50	0	16.98	17.08	16.83	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.22	17.25	17.14	18.00
5	QPSK	1	12	17.01	17.22	17.02	18.00
5	QPSK	1	24	17.00	17.06	17.00	18.00
5	QPSK	12	0	17.06	17.16	17.02	18.00
5	QPSK	12	7	16.99	17.14	17.07	18.00
5	QPSK	12	13	16.99	17.17	17.05	18.00
5	QPSK	25	0	17.00	17.11	16.86	18.00
5	16QAM	1	0	16.90	16.97	16.84	18.00
5	16QAM	1	12	16.96	17.12	16.86	18.00
5	16QAM	1	24	16.91	17.04	16.86	18.00
5	16QAM	12	0	16.98	17.01	16.89	18.00
5	16QAM	12	7	16.88	17.03	16.83	18.00
5	16QAM	12	13	16.93	17.00	16.82	18.00
5	16QAM	25	0	16.87	16.92	16.83	18.00
5	64QAM	1	0	16.84	17.04	16.78	18.00
5	64QAM	1	12	16.81	16.97	16.79	18.00
5	64QAM	1	24	16.74	16.98	16.66	18.00
5	64QAM	12	0	16.94	16.97	16.90	18.00
5	64QAM	12	7	16.91	16.92	16.76	18.00
5	64QAM	12	13	16.86	16.97	16.81	18.00
5	64QAM	25	0	16.83	16.91	16.85	18.00
5	256QAM	1	0	16.95	17.03	16.78	18.00
5	256QAM	1	12	16.82	16.83	16.78	18.00
5	256QAM	1	24	16.85	17.02	16.83	18.00
5	256QAM	12	0	16.95	17.02	16.89	18.00
5	256QAM	12	7	16.96	17.01	16.84	18.00
5	256QAM	12	13	16.85	16.87	16.72	18.00
5	256QAM	25	0	17.00	17.03	16.86	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.15	17.24	17.13	18.00
3	QPSK	1	8	17.07	17.17	16.96	18.00
3	QPSK	1	14	17.02	17.12	17.01	18.00
3	QPSK	8	0	17.05	17.13	17.04	18.00
3	QPSK	8	4	16.97	17.16	17.00	18.00
3	QPSK	8	7	16.97	17.09	17.06	18.00
3	QPSK	15	0	17.05	17.17	16.86	18.00
3	16QAM	1	0	16.93	16.96	16.84	18.00
3	16QAM	1	8	16.93	17.03	16.81	18.00
3	16QAM	1	14	16.95	17.07	16.87	18.00
3	16QAM	8	0	16.91	17.05	16.87	18.00
3	16QAM	8	4	16.87	16.97	16.82	18.00
3	16QAM	8	7	16.89	17.04	16.84	18.00
3	16QAM	15	0	16.82	16.92	16.90	18.00
3	64QAM	1	0	16.89	17.00	16.74	18.00
3	64QAM	1	8	16.85	16.88	16.72	18.00
3	64QAM	1	14	16.85	16.91	16.72	18.00
3	64QAM	8	0	16.87	17.01	16.85	18.00
3	64QAM	8	4	16.88	16.96	16.85	18.00
3	64QAM	8	7	16.90	16.96	16.84	18.00
3	64QAM	15	0	16.80	16.99	16.78	18.00
3	256QAM	1	0	16.95	16.99	16.79	18.00
3	256QAM	1	8	16.72	16.86	16.74	18.00
3	256QAM	1	14	16.88	17.00	16.85	18.00
3	256QAM	8	0	17.00	17.15	16.95	18.00
3	256QAM	8	4	16.90	16.98	16.89	18.00
3	256QAM	8	7	16.91	16.95	16.76	18.00
3	256QAM	15	0	17.01	17.12	16.84	18.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	17.23	17.22	17.13	18.00
1.4	QPSK	1	3	17.05	17.13	17.01	18.00
1.4	QPSK	1	5	17.02	17.17	16.96	18.00
1.4	QPSK	3	0	17.08	17.15	17.05	18.00
1.4	QPSK	3	1	17.02	17.10	16.98	18.00
1.4	QPSK	3	3	17.02	17.17	16.96	18.00
1.4	QPSK	6	0	16.97	17.09	16.97	18.00
1.4	16QAM	1	0	17.01	17.01	16.87	18.00
1.4	16QAM	1	3	16.83	17.03	16.91	18.00
1.4	16QAM	1	5	16.99	17.00	16.94	18.00
1.4	16QAM	3	0	16.91	16.97	16.85	18.00
1.4	16QAM	3	1	16.80	17.00	16.86	18.00
1.4	16QAM	3	3	16.93	16.93	16.86	18.00
1.4	16QAM	6	0	16.82	17.03	16.86	18.00
1.4	64QAM	1	0	16.86	16.98	16.74	18.00
1.4	64QAM	1	3	16.79	16.86	16.69	18.00
1.4	64QAM	1	5	16.82	16.97	16.71	18.00
1.4	64QAM	3	0	16.88	17.04	16.91	18.00
1.4	64QAM	3	1	16.81	16.90	16.88	18.00
1.4	64QAM	3	3	16.79	16.91	16.86	18.00
1.4	64QAM	6	0	16.76	16.93	16.86	18.00
1.4	256QAM	1	0	16.88	16.97	16.82	18.00
1.4	256QAM	1	3	16.81	16.95	16.70	18.00
1.4	256QAM	1	5	16.88	16.98	16.81	18.00
1.4	256QAM	3	0	16.91	17.02	16.96	18.00
1.4	256QAM	3	1	16.91	17.00	16.82	18.00
1.4	256QAM	3	3	16.84	16.88	16.81	18.00
1.4	256QAM	6	0	17.04	17.05	16.93	18.00

【LTE Band 25_Ant 3_Default】

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	23.92	23.96	23.85	25.50
20	QPSK	1	49	23.58	23.74	23.54	25.50
20	QPSK	1	99	23.66	23.83	23.68	25.50
20	QPSK	50	0	22.67	22.79	22.74	24.50
20	QPSK	50	24	22.54	22.71	22.51	24.50
20	QPSK	50	50	22.62	22.76	22.62	24.50
20	QPSK	100	0	22.63	22.79	22.61	24.50
20	16QAM	1	0	22.88	22.98	22.86	24.50
20	16QAM	1	49	22.76	22.94	22.80	24.50
20	16QAM	1	99	22.94	23.02	22.83	24.50
20	16QAM	50	0	21.70	21.76	21.60	23.50
20	16QAM	50	24	21.67	21.78	21.62	23.50
20	16QAM	50	50	21.83	21.90	21.70	23.50
20	16QAM	100	0	21.76	21.90	21.71	23.50
20	64QAM	1	0	21.79	21.96	21.83	23.50
20	64QAM	1	49	21.77	21.89	21.75	23.50
20	64QAM	1	99	21.90	22.06	21.83	23.50
20	64QAM	50	0	20.78	20.86	20.70	22.50
20	64QAM	50	24	20.80	20.90	20.75	22.50
20	64QAM	50	50	20.86	20.96	20.80	22.50
20	64QAM	100	0	20.75	20.91	20.76	22.50
20	256QAM	1	0	18.99	19.11	18.98	20.50
20	256QAM	1	49	18.99	19.04	18.88	20.50
20	256QAM	1	99	19.02	19.17	18.96	20.50
20	256QAM	50	0	18.82	18.94	18.82	20.50
20	256QAM	50	24	18.87	18.98	18.82	20.50
20	256QAM	50	50	18.95	19.03	18.84	20.50
20	256QAM	100	0	18.91	19.01	18.79	20.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.85	23.83	23.81	25.50
15	QPSK	1	37	23.46	23.63	23.41	25.50
15	QPSK	1	74	23.63	23.77	23.66	25.50
15	QPSK	36	0	22.50	22.73	22.52	24.50
15	QPSK	36	20	22.45	22.58	22.38	24.50
15	QPSK	36	39	22.51	22.61	22.56	24.50
15	QPSK	75	0	22.54	22.78	22.60	24.50



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15	16QAM	1	0	22.80	22.96	22.79	24.50
15	16QAM	1	37	22.62	22.81	22.71	24.50
15	16QAM	1	74	22.86	22.90	22.80	24.50
15	16QAM	36	0	21.67	21.73	21.57	23.50
15	16QAM	36	20	21.54	21.66	21.54	23.50
15	16QAM	36	39	21.69	21.75	21.66	23.50
15	16QAM	75	0	21.62	21.86	21.70	23.50
15	64QAM	1	0	21.64	21.94	21.80	23.50
15	64QAM	1	37	21.64	21.85	21.70	23.50
15	64QAM	1	74	21.84	21.93	21.78	23.50
15	64QAM	36	0	20.63	20.85	20.64	22.50
15	64QAM	36	20	20.78	20.85	20.72	22.50
15	64QAM	36	39	20.73	20.83	20.79	22.50
15	64QAM	75	0	20.65	20.80	20.63	22.50
15	256QAM	1	0	18.88	18.96	18.92	20.50
15	256QAM	1	37	18.91	19.03	18.80	20.50
15	256QAM	1	74	18.87	19.16	18.85	20.50
15	256QAM	36	0	18.77	18.82	18.77	20.50
15	256QAM	36	20	18.84	18.85	18.71	20.50
15	256QAM	36	39	18.82	19.01	18.71	20.50
15	256QAM	75	0	18.81	18.97	18.69	20.50
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.78	23.88	23.72	25.50
10	QPSK	1	25	23.55	23.65	23.53	25.50
10	QPSK	1	49	23.64	23.81	23.67	25.50
10	QPSK	25	0	22.57	22.78	22.49	24.50
10	QPSK	25	12	22.40	22.56	22.44	24.50
10	QPSK	25	25	22.55	22.65	22.56	24.50
10	QPSK	50	0	22.56	22.64	22.49	24.50
10	16QAM	1	0	22.79	22.91	22.78	24.50
10	16QAM	1	25	22.67	22.86	22.70	24.50
10	16QAM	1	49	22.84	23.00	22.79	24.50
10	16QAM	25	0	21.55	21.72	21.53	23.50
10	16QAM	25	12	21.52	21.66	21.53	23.50
10	16QAM	25	25	21.81	21.89	21.67	23.50
10	16QAM	50	0	21.71	21.78	21.59	23.50
10	64QAM	1	0	21.78	21.92	21.75	23.50
10	64QAM	1	25	21.69	21.84	21.63	23.50
10	64QAM	1	49	21.76	21.96	21.70	23.50
10	64QAM	25	0	20.64	20.84	20.59	22.50
10	64QAM	25	12	20.65	20.76	20.71	22.50
10	64QAM	25	25	20.83	20.85	20.67	22.50
10	64QAM	50	0	20.67	20.81	20.64	22.50
10	256QAM	1	0	18.97	18.98	18.84	20.50
10	256QAM	1	25	18.93	18.97	18.73	20.50
10	256QAM	1	49	18.95	19.11	18.86	20.50
10	256QAM	25	0	18.81	18.82	18.75	20.50
10	256QAM	25	12	18.84	18.83	18.80	20.50
10	256QAM	25	25	18.93	19.00	18.79	20.50
10	256QAM	50	0	18.88	18.87	18.68	20.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.77	23.87	23.79	25.50
5	QPSK	1	12	23.47	23.64	23.52	25.50
5	QPSK	1	24	23.55	23.69	23.60	25.50
5	QPSK	12	0	22.49	22.69	22.43	24.50
5	QPSK	12	7	22.49	22.59	22.40	24.50
5	QPSK	12	13	22.48	22.65	22.58	24.50
5	QPSK	25	0	22.59	22.75	22.58	24.50
5	16QAM	1	0	22.85	22.90	22.83	24.50
5	16QAM	1	12	22.74	22.92	22.75	24.50
5	16QAM	1	24	22.81	22.89	22.70	24.50
5	16QAM	12	0	21.59	21.71	21.51	23.50
5	16QAM	12	7	21.58	21.63	21.57	23.50
5	16QAM	12	13	21.75	21.80	21.68	23.50
5	16QAM	25	0	21.66	21.76	21.62	23.50
5	64QAM	1	0	21.71	21.87	21.80	23.50
5	64QAM	1	12	21.71	21.77	21.60	23.50
5	64QAM	1	24	21.82	21.92	21.69	23.50
5	64QAM	12	0	20.65	20.84	20.56	22.50
5	64QAM	12	7	20.74	20.79	20.66	22.50
5	64QAM	12	13	20.80	20.91	20.69	22.50
5	64QAM	25	0	20.67	20.80	20.70	22.50
5	256QAM	1	0	18.84	19.01	18.93	20.50
5	256QAM	1	12	18.88	18.96	18.80	20.50
5	256QAM	1	24	18.97	19.05	18.86	20.50
5	256QAM	12	0	18.75	18.84	18.73	20.50



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5	256QAM	12	7	18.82	18.85	18.73	20.50
5	256QAM	12	13	18.90	18.95	18.73	20.50
5	256QAM	25	0	18.76	18.90	18.76	20.50
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.78	23.88	23.84	25.50
3	QPSK	1	8	23.51	23.60	23.52	25.50
3	QPSK	1	14	23.61	23.73	23.55	25.50
3	QPSK	8	0	22.55	22.75	22.39	24.50
3	QPSK	8	4	22.47	22.67	22.48	24.50
3	QPSK	8	7	22.57	22.68	22.60	24.50
3	QPSK	15	0	22.60	22.74	22.56	24.50
3	16QAM	1	0	22.84	22.93	22.79	24.50
3	16QAM	1	8	22.67	22.81	22.77	24.50
3	16QAM	1	14	22.87	22.95	22.81	24.50
3	16QAM	8	0	21.60	21.63	21.55	23.50
3	16QAM	8	4	21.57	21.76	21.49	23.50
3	16QAM	8	7	21.77	21.86	21.65	23.50
3	16QAM	15	0	21.64	21.87	21.62	23.50
3	64QAM	1	0	21.66	21.81	21.75	23.50
3	64QAM	1	8	21.69	21.75	21.71	23.50
3	64QAM	1	14	21.82	21.94	21.73	23.50
3	64QAM	8	0	20.68	20.71	20.61	22.50
3	64QAM	8	4	20.74	20.78	20.72	22.50
3	64QAM	8	7	20.76	20.87	20.71	22.50
3	64QAM	15	0	20.65	20.82	20.71	22.50
3	256QAM	1	0	18.86	19.01	18.84	20.50
3	256QAM	1	8	18.97	19.01	18.76	20.50
3	256QAM	1	14	18.90	19.07	18.81	20.50
3	256QAM	8	0	18.77	18.85	18.70	20.50
3	256QAM	8	4	18.84	18.94	18.78	20.50
3	256QAM	8	7	18.90	18.99	18.80	20.50
3	256QAM	15	0	18.86	18.95	18.68	20.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.79	23.95	23.72	25.50
1.4	QPSK	1	3	23.56	23.72	23.52	25.50
1.4	QPSK	1	5	23.62	23.75	23.58	25.50
1.4	QPSK	3	0	23.58	23.72	23.48	25.50
1.4	QPSK	3	1	23.51	23.61	23.46	25.50
1.4	QPSK	3	3	23.50	23.62	23.57	25.50
1.4	QPSK	6	0	22.52	22.73	22.53	24.50
1.4	16QAM	1	0	22.83	22.96	22.78	24.50
1.4	16QAM	1	3	22.62	22.81	22.70	24.50
1.4	16QAM	1	5	22.88	22.98	22.79	24.50
1.4	16QAM	3	0	22.56	22.67	22.55	24.50
1.4	16QAM	3	1	22.63	22.72	22.58	24.50
1.4	16QAM	3	3	22.75	22.76	22.68	24.50
1.4	16QAM	6	0	21.68	21.77	21.60	23.50
1.4	64QAM	1	0	21.77	21.92	21.74	23.50
1.4	64QAM	1	3	21.67	21.86	21.72	23.50
1.4	64QAM	1	5	21.87	22.04	21.80	23.50
1.4	64QAM	3	0	21.72	21.78	21.55	23.50
1.4	64QAM	3	1	21.71	21.83	21.67	23.50
1.4	64QAM	3	3	21.82	21.89	21.75	23.50
1.4	64QAM	6	0	20.68	20.78	20.65	22.50
1.4	256QAM	1	0	18.95	19.05	18.84	20.50
1.4	256QAM	1	3	18.96	18.90	18.77	20.50
1.4	256QAM	1	5	18.89	19.16	18.93	20.50
1.4	256QAM	3	0	18.75	18.85	18.77	20.50
1.4	256QAM	3	1	18.81	18.91	18.68	20.50
1.4	256QAM	3	3	18.89	18.91	18.77	20.50
1.4	256QAM	6	0	18.80	18.89	18.78	20.50



【LTE Band 25_Ant 3_ECI1】

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	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	16.99	17.02	16.95	18.50
20	QPSK	1	49	16.71	16.92	16.81	18.50
20	QPSK	1	99	16.78	16.90	16.76	18.50
20	QPSK	50	0	16.81	16.95	16.88	18.50
20	QPSK	50	24	16.80	16.93	16.83	18.50
20	QPSK	50	50	16.66	16.88	16.73	18.50
20	QPSK	100	0	16.68	16.85	16.77	18.50
20	16QAM	1	0	16.74	16.83	16.65	18.50
20	16QAM	1	49	16.72	16.81	16.62	18.50
20	16QAM	1	99	16.69	16.85	16.73	18.50
20	16QAM	50	0	16.76	16.89	16.78	18.50
20	16QAM	50	24	16.66	16.82	16.64	18.50
20	16QAM	50	50	16.73	16.84	16.67	18.50
20	16QAM	100	0	16.69	16.80	16.62	18.50
20	64QAM	1	0	16.67	16.83	16.65	18.50
20	64QAM	1	49	16.64	16.80	16.67	18.50
20	64QAM	1	99	16.65	16.76	16.66	18.50
20	64QAM	50	0	16.66	16.81	16.76	18.50
20	64QAM	50	24	16.66	16.81	16.75	18.50
20	64QAM	50	50	16.70	16.82	16.64	18.50
20	64QAM	100	0	16.71	16.80	16.72	18.50
20	256QAM	1	0	16.60	16.77	16.60	18.50
20	256QAM	1	49	16.63	16.80	16.68	18.50
20	256QAM	1	99	16.64	16.74	16.56	18.50
20	256QAM	50	0	16.57	16.77	16.63	18.50
20	256QAM	50	24	16.71	16.83	16.74	18.50
20	256QAM	50	50	16.53	16.74	16.59	18.50
20	256QAM	100	0	16.61	16.77	16.61	18.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.84	16.91	16.89	18.50
15	QPSK	1	37	16.68	16.89	16.74	18.50
15	QPSK	1	74	16.71	16.87	16.75	18.50
15	QPSK	36	0	16.67	16.92	16.71	18.50
15	QPSK	36	20	16.66	16.89	16.69	18.50
15	QPSK	36	39	16.64	16.75	16.65	18.50
15	QPSK	75	0	16.58	16.83	16.75	18.50
15	16QAM	1	0	16.68	16.78	16.64	18.50
15	16QAM	1	37	16.60	16.75	16.48	18.50
15	16QAM	1	74	16.63	16.76	16.59	18.50
15	16QAM	36	0	16.65	16.75	16.77	18.50
15	16QAM	36	20	16.65	16.70	16.56	18.50
15	16QAM	36	39	16.69	16.73	16.60	18.50
15	16QAM	75	0	16.61	16.66	16.50	18.50
15	64QAM	1	0	16.52	16.81	16.57	18.50
15	64QAM	1	37	16.51	16.69	16.53	18.50
15	64QAM	1	74	16.52	16.62	16.61	18.50
15	64QAM	36	0	16.64	16.73	16.63	18.50
15	64QAM	36	20	16.62	16.79	16.61	18.50
15	64QAM	36	39	16.67	16.70	16.58	18.50
15	64QAM	75	0	16.66	16.67	16.66	18.50
15	256QAM	1	0	16.45	16.68	16.54	18.50
15	256QAM	1	37	16.60	16.66	16.57	18.50
15	256QAM	1	74	16.53	16.73	16.52	18.50
15	256QAM	36	0	16.48	16.68	16.55	18.50
15	256QAM	36	20	16.61	16.72	16.70	18.50
15	256QAM	36	39	16.39	16.68	16.57	18.50
15	256QAM	75	0	16.55	16.71	16.47	18.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.86	16.97	16.86	18.50
10	QPSK	1	25	16.56	16.87	16.75	18.50
10	QPSK	1	49	16.67	16.81	16.67	18.50
10	QPSK	25	0	16.76	16.83	16.68	18.50
10	QPSK	25	12	16.72	16.84	16.81	18.50
10	QPSK	25	25	16.64	16.83	16.71	18.50
10	QPSK	50	0	16.64	16.77	16.71	18.50
10	16QAM	1	0	16.64	16.69	16.52	18.50
10	16QAM	1	25	16.69	16.66	16.57	18.50
10	16QAM	1	49	16.64	16.73	16.67	18.50
10	16QAM	25	0	16.69	16.85	16.77	18.50



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10	16QAM	25	12	16.64	16.75	16.49	18.50
10	16QAM	25	25	16.66	16.74	16.58	18.50
10	16QAM	50	0	16.65	16.68	16.50	18.50
10	64QAM	1	0	16.56	16.78	16.50	18.50
10	64QAM	1	25	16.52	16.74	16.55	18.50
10	64QAM	1	49	16.54	16.72	16.62	18.50
10	64QAM	25	0	16.52	16.69	16.67	18.50
10	64QAM	25	12	16.59	16.72	16.70	18.50
10	64QAM	25	25	16.61	16.76	16.57	18.50
10	64QAM	50	0	16.58	16.76	16.66	18.50
10	256QAM	1	0	16.58	16.70	16.46	18.50
10	256QAM	1	25	16.55	16.78	16.57	18.50
10	256QAM	1	49	16.57	16.63	16.50	18.50
10	256QAM	25	0	16.52	16.75	16.52	18.50
10	256QAM	25	12	16.69	16.81	16.64	18.50
10	256QAM	25	25	16.38	16.61	16.53	18.50
10	256QAM	50	0	16.54	16.76	16.59	18.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.87	16.85	16.89	18.50
5	QPSK	1	12	16.59	16.82	16.78	18.50
5	QPSK	1	24	16.75	16.82	16.64	18.50
5	QPSK	12	0	16.79	16.90	16.73	18.50
5	QPSK	12	7	16.71	16.85	16.81	18.50
5	QPSK	12	13	16.61	16.78	16.61	18.50
5	QPSK	25	0	16.55	16.81	16.72	18.50
5	16QAM	1	0	16.69	16.68	16.58	18.50
5	16QAM	1	12	16.68	16.80	16.52	18.50
5	16QAM	1	24	16.57	16.81	16.68	18.50
5	16QAM	12	0	16.71	16.86	16.72	18.50
5	16QAM	12	7	16.58	16.68	16.51	18.50
5	16QAM	12	13	16.64	16.72	16.65	18.50
5	16QAM	25	0	16.67	16.74	16.55	18.50
5	64QAM	1	0	16.60	16.81	16.51	18.50
5	64QAM	1	12	16.52	16.67	16.60	18.50
5	64QAM	1	24	16.57	16.70	16.56	18.50
5	64QAM	12	0	16.55	16.78	16.71	18.50
5	64QAM	12	7	16.61	16.66	16.64	18.50
5	64QAM	12	13	16.64	16.72	16.56	18.50
5	64QAM	25	0	16.56	16.79	16.60	18.50
5	256QAM	1	0	16.50	16.62	16.50	18.50
5	256QAM	1	12	16.55	16.72	16.55	18.50
5	256QAM	1	24	16.52	16.60	16.41	18.50
5	256QAM	12	0	16.47	16.66	16.62	18.50
5	256QAM	12	7	16.56	16.70	16.65	18.50
5	256QAM	12	13	16.42	16.60	16.57	18.50
5	256QAM	25	0	16.57	16.70	16.54	18.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	16.80	16.89	16.91	18.50
3	QPSK	1	8	16.68	16.89	16.67	18.50
3	QPSK	1	14	16.67	16.83	16.64	18.50
3	QPSK	8	0	16.75	16.83	16.71	18.50
3	QPSK	8	4	16.75	16.80	16.81	18.50
3	QPSK	8	7	16.58	16.79	16.70	18.50
3	QPSK	15	0	16.57	16.81	16.72	18.50
3	16QAM	1	0	16.59	16.75	16.59	18.50
3	16QAM	1	8	16.61	16.67	16.51	18.50
3	16QAM	1	14	16.57	16.71	16.70	18.50
3	16QAM	8	0	16.61	16.88	16.65	18.50
3	16QAM	8	4	16.54	16.80	16.50	18.50
3	16QAM	8	7	16.63	16.72	16.56	18.50
3	16QAM	15	0	16.67	16.78	16.59	18.50
3	64QAM	1	0	16.56	16.80	16.56	18.50
3	64QAM	1	8	16.55	16.78	16.53	18.50
3	64QAM	1	14	16.55	16.68	16.64	18.50
3	64QAM	8	0	16.53	16.70	16.70	18.50
3	64QAM	8	4	16.64	16.67	16.74	18.50
3	64QAM	8	7	16.62	16.79	16.56	18.50
3	64QAM	15	0	16.61	16.76	16.63	18.50
3	256QAM	1	0	16.45	16.67	16.51	18.50
3	256QAM	1	8	16.49	16.77	16.58	18.50
3	256QAM	1	14	16.50	16.69	16.45	18.50
3	256QAM	8	0	16.50	16.68	16.59	18.50
3	256QAM	8	4	16.66	16.70	16.62	18.50
3	256QAM	8	7	16.50	16.71	16.45	18.50
3	256QAM	15	0	16.49	16.69	16.49	18.50
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	16.85	16.87	16.89	18.50
1.4	QPSK	1	3	16.65	16.85	16.78	18.50
1.4	QPSK	1	5	16.73	16.83	16.70	18.50
1.4	QPSK	3	0	16.68	16.87	16.64	18.50
1.4	QPSK	3	1	16.70	16.86	16.72	18.50
1.4	QPSK	3	3	16.63	16.82	16.59	18.50
1.4	QPSK	6	0	16.56	16.79	16.66	18.50
1.4	16QAM	1	0	16.70	16.71	16.58	18.50
1.4	16QAM	1	3	16.65	16.76	16.60	18.50
1.4	16QAM	1	5	16.64	16.82	16.65	18.50
1.4	16QAM	3	0	16.71	16.81	16.75	18.50
1.4	16QAM	3	1	16.65	16.80	16.62	18.50
1.4	16QAM	3	3	16.69	16.80	16.59	18.50
1.4	16QAM	6	0	16.65	16.78	16.48	18.50
1.4	64QAM	1	0	16.57	16.74	16.56	18.50
1.4	64QAM	1	3	16.58	16.78	16.52	18.50
1.4	64QAM	1	5	16.51	16.68	16.52	18.50
1.4	64QAM	3	0	16.61	16.71	16.66	18.50
1.4	64QAM	3	1	16.60	16.72	16.74	18.50
1.4	64QAM	3	3	16.55	16.72	16.51	18.50
1.4	64QAM	6	0	16.58	16.77	16.69	18.50
1.4	256QAM	1	0	16.49	16.65	16.48	18.50
1.4	256QAM	1	3	16.51	16.70	16.57	18.50
1.4	256QAM	1	5	16.61	16.64	16.45	18.50
1.4	256QAM	3	0	16.42	16.75	16.60	18.50
1.4	256QAM	3	1	16.66	16.76	16.71	18.50
1.4	256QAM	3	3	16.49	16.66	16.50	18.50
1.4	256QAM	6	0	16.52	16.68	16.56	18.50

【LTE Band 25_Ant 3_ECI3】

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	17.76	17.78	17.74	19.00
20	QPSK	1	49	17.57	17.67	17.59	19.00
20	QPSK	1	99	17.51	17.60	17.46	19.00
20	QPSK	50	0	17.66	17.72	17.68	19.00
20	QPSK	50	24	17.55	17.59	17.46	19.00
20	QPSK	50	50	17.52	17.66	17.54	19.00
20	QPSK	100	0	17.65	17.67	17.63	19.00
20	16QAM	1	0	17.37	17.47	17.34	19.00
20	16QAM	1	49	17.35	17.48	17.40	19.00
20	16QAM	1	99	17.47	17.52	17.38	19.00
20	16QAM	50	0	17.48	17.51	17.34	19.00
20	16QAM	50	24	17.57	17.62	17.44	19.00
20	16QAM	50	50	17.47	17.51	17.43	19.00
20	16QAM	100	0	17.46	17.49	17.34	19.00
20	64QAM	1	0	17.41	17.48	17.35	19.00
20	64QAM	1	49	17.47	17.52	17.36	19.00
20	64QAM	1	99	17.52	17.57	17.50	19.00
20	64QAM	50	0	17.44	17.54	17.42	19.00
20	64QAM	50	24	17.54	17.60	17.53	19.00
20	64QAM	50	50	17.49	17.60	17.46	19.00
20	64QAM	100	0	17.51	17.56	17.41	19.00
20	256QAM	1	0	17.39	17.49	17.38	19.00
20	256QAM	1	49	17.45	17.55	17.42	19.00
20	256QAM	1	99	17.53	17.58	17.51	19.00
20	256QAM	50	0	17.48	17.59	17.54	19.00
20	256QAM	50	24	17.38	17.52	17.38	19.00
20	256QAM	50	50	17.34	17.48	17.33	19.00
20	256QAM	100	0	17.37	17.48	17.38	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.65	17.72	17.71	19.00
15	QPSK	1	37	17.48	17.65	17.53	19.00
15	QPSK	1	74	17.49	17.57	17.40	19.00
15	QPSK	36	0	17.54	17.64	17.57	19.00
15	QPSK	36	20	17.42	17.58	17.40	19.00
15	QPSK	36	39	17.45	17.53	17.43	19.00
15	QPSK	75	0	17.61	17.54	17.53	19.00



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15	16QAM	1	0	17.25	17.35	17.33	19.00
15	16QAM	1	37	17.33	17.43	17.33	19.00
15	16QAM	1	74	17.39	17.44	17.28	19.00
15	16QAM	36	0	17.40	17.42	17.21	19.00
15	16QAM	36	20	17.56	17.61	17.43	19.00
15	16QAM	36	39	17.41	17.41	17.33	19.00
15	16QAM	75	0	17.33	17.43	17.24	19.00
15	64QAM	1	0	17.35	17.36	17.34	19.00
15	64QAM	1	37	17.34	17.48	17.35	19.00
15	64QAM	1	74	17.48	17.52	17.43	19.00
15	64QAM	36	0	17.31	17.49	17.38	19.00
15	64QAM	36	20	17.40	17.52	17.42	19.00
15	64QAM	36	39	17.36	17.54	17.36	19.00
15	64QAM	75	0	17.44	17.42	17.29	19.00
15	256QAM	1	0	17.32	17.38	17.33	19.00
15	256QAM	1	37	17.34	17.52	17.37	19.00
15	256QAM	1	74	17.42	17.51	17.37	19.00
15	256QAM	36	0	17.39	17.57	17.43	19.00
15	256QAM	36	20	17.27	17.40	17.24	19.00
15	256QAM	36	39	17.21	17.34	17.23	19.00
15	256QAM	75	0	17.26	17.40	17.31	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	17.64	17.65	17.64	19.00
10	QPSK	1	25	17.49	17.57	17.56	19.00
10	QPSK	1	49	17.42	17.56	17.38	19.00
10	QPSK	25	0	17.63	17.58	17.54	19.00
10	QPSK	25	12	17.47	17.48	17.34	19.00
10	QPSK	25	25	17.47	17.54	17.47	19.00
10	QPSK	50	0	17.63	17.61	17.54	19.00
10	16QAM	1	0	17.34	17.43	17.22	19.00
10	16QAM	1	25	17.32	17.36	17.33	19.00
10	16QAM	1	49	17.44	17.48	17.33	19.00
10	16QAM	25	0	17.42	17.48	17.19	19.00
10	16QAM	25	12	17.54	17.55	17.39	19.00
10	16QAM	25	25	17.33	17.39	17.39	19.00
10	16QAM	50	0	17.40	17.45	17.25	19.00
10	64QAM	1	0	17.31	17.37	17.22	19.00
10	64QAM	1	25	17.35	17.39	17.26	19.00
10	64QAM	1	49	17.48	17.54	17.41	19.00
10	64QAM	25	0	17.40	17.53	17.38	19.00
10	64QAM	25	12	17.44	17.49	17.48	19.00
10	64QAM	25	25	17.42	17.55	17.32	19.00
10	64QAM	50	0	17.41	17.48	17.27	19.00
10	256QAM	1	0	17.36	17.46	17.24	19.00
10	256QAM	1	25	17.38	17.53	17.39	19.00
10	256QAM	1	49	17.51	17.50	17.43	19.00
10	256QAM	25	0	17.45	17.48	17.42	19.00
10	256QAM	25	12	17.29	17.48	17.30	19.00
10	256QAM	25	25	17.21	17.41	17.25	19.00
10	256QAM	50	0	17.28	17.36	17.28	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.67	17.75	17.72	19.00
5	QPSK	1	12	17.49	17.55	17.49	19.00
5	QPSK	1	24	17.45	17.47	17.41	19.00
5	QPSK	12	0	17.57	17.70	17.53	19.00
5	QPSK	12	7	17.46	17.44	17.31	19.00
5	QPSK	12	13	17.46	17.58	17.40	19.00
5	QPSK	25	0	17.60	17.56	17.61	19.00
5	16QAM	1	0	17.30	17.38	17.26	19.00
5	16QAM	1	12	17.20	17.39	17.34	19.00
5	16QAM	1	24	17.38	17.39	17.27	19.00
5	16QAM	12	0	17.39	17.37	17.25	19.00
5	16QAM	12	7	17.51	17.59	17.41	19.00
5	16QAM	12	13	17.45	17.39	17.38	19.00
5	16QAM	25	0	17.34	17.48	17.23	19.00
5	64QAM	1	0	17.32	17.43	17.30	19.00
5	64QAM	1	12	17.41	17.51	17.23	19.00
5	64QAM	1	24	17.41	17.52	17.47	19.00
5	64QAM	12	0	17.36	17.42	17.31	19.00
5	64QAM	12	7	17.40	17.52	17.39	19.00
5	64QAM	12	13	17.37	17.56	17.33	19.00
5	64QAM	25	0	17.39	17.55	17.32	19.00
5	256QAM	1	0	17.38	17.39	17.26	19.00
5	256QAM	1	12	17.30	17.49	17.35	19.00
5	256QAM	1	24	17.50	17.48	17.40	19.00
5	256QAM	12	0	17.38	17.51	17.40	19.00



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5	256QAM	12	7	17.24	17.48	17.32	19.00
5	256QAM	12	13	17.20	17.36	17.29	19.00
5	256QAM	25	0	17.33	17.40	17.36	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.68	17.71	17.62	19.00
3	QPSK	1	8	17.50	17.57	17.54	19.00
3	QPSK	1	14	17.45	17.51	17.45	19.00
3	QPSK	8	0	17.53	17.61	17.61	19.00
3	QPSK	8	4	17.51	17.51	17.37	19.00
3	QPSK	8	7	17.44	17.52	17.42	19.00
3	QPSK	15	0	17.63	17.62	17.51	19.00
3	16QAM	1	0	17.30	17.34	17.32	19.00
3	16QAM	1	8	17.31	17.46	17.25	19.00
3	16QAM	1	14	17.32	17.45	17.30	19.00
3	16QAM	8	0	17.45	17.48	17.24	19.00
3	16QAM	8	4	17.49	17.58	17.37	19.00
3	16QAM	8	7	17.43	17.49	17.30	19.00
3	16QAM	15	0	17.43	17.38	17.19	19.00
3	64QAM	1	0	17.33	17.44	17.32	19.00
3	64QAM	1	8	17.35	17.49	17.30	19.00
3	64QAM	1	14	17.49	17.53	17.48	19.00
3	64QAM	8	0	17.40	17.39	17.37	19.00
3	64QAM	8	4	17.41	17.49	17.41	19.00
3	64QAM	8	7	17.43	17.46	17.36	19.00
3	64QAM	15	0	17.41	17.42	17.29	19.00
3	256QAM	1	0	17.28	17.35	17.29	19.00
3	256QAM	1	8	17.39	17.44	17.30	19.00
3	256QAM	1	14	17.47	17.50	17.46	19.00
3	256QAM	8	0	17.35	17.53	17.42	19.00
3	256QAM	8	4	17.26	17.49	17.29	19.00
3	256QAM	8	7	17.22	17.43	17.26	19.00
3	256QAM	15	0	17.24	17.41	17.34	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.67	17.69	17.66	19.00
1.4	QPSK	1	3	17.53	17.55	17.44	19.00
1.4	QPSK	1	5	17.43	17.47	17.32	19.00
1.4	QPSK	3	0	17.57	17.67	17.59	19.00
1.4	QPSK	3	1	17.51	17.51	17.38	19.00
1.4	QPSK	3	3	17.44	17.56	17.51	19.00
1.4	QPSK	6	0	17.63	17.52	17.55	19.00
1.4	16QAM	1	0	17.26	17.39	17.32	19.00
1.4	16QAM	1	3	17.23	17.45	17.30	19.00
1.4	16QAM	1	5	17.45	17.48	17.33	19.00
1.4	16QAM	3	0	17.37	17.40	17.30	19.00
1.4	16QAM	3	1	17.53	17.50	17.32	19.00
1.4	16QAM	3	3	17.37	17.36	17.36	19.00
1.4	16QAM	6	0	17.37	17.37	17.22	19.00
1.4	64QAM	1	0	17.36	17.36	17.31	19.00
1.4	64QAM	1	3	17.37	17.50	17.32	19.00
1.4	64QAM	1	5	17.49	17.54	17.41	19.00
1.4	64QAM	3	0	17.35	17.42	17.32	19.00
1.4	64QAM	3	1	17.41	17.46	17.50	19.00
1.4	64QAM	3	3	17.34	17.54	17.34	19.00
1.4	64QAM	6	0	17.41	17.47	17.37	19.00
1.4	256QAM	1	0	17.34	17.44	17.35	19.00
1.4	256QAM	1	3	17.34	17.43	17.37	19.00
1.4	256QAM	1	5	17.48	17.46	17.39	19.00
1.4	256QAM	3	0	17.41	17.57	17.52	19.00
1.4	256QAM	3	1	17.33	17.48	17.27	19.00
1.4	256QAM	3	3	17.20	17.35	17.22	19.00
1.4	256QAM	6	0	17.22	17.41	17.37	19.00



【LTE Band 25_Ant 3_ECI4】

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	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.92	23.96	23.85	25.50
20	QPSK	1	49	23.58	23.74	23.54	25.50
20	QPSK	1	99	23.66	23.83	23.68	25.50
20	QPSK	50	0	22.67	22.79	22.74	24.50
20	QPSK	50	24	22.54	22.71	22.51	24.50
20	QPSK	50	50	22.62	22.76	22.62	24.50
20	QPSK	100	0	22.63	22.79	22.61	24.50
20	16QAM	1	0	22.88	22.98	22.86	24.50
20	16QAM	1	49	22.76	22.94	22.80	24.50
20	16QAM	1	99	22.94	23.02	22.83	24.50
20	16QAM	50	0	21.70	21.76	21.60	23.50
20	16QAM	50	24	21.67	21.78	21.62	23.50
20	16QAM	50	50	21.83	21.90	21.70	23.50
20	16QAM	100	0	21.76	21.90	21.71	23.50
20	64QAM	1	0	21.79	21.96	21.83	23.50
20	64QAM	1	49	21.77	21.89	21.75	23.50
20	64QAM	1	99	21.90	22.06	21.83	23.50
20	64QAM	50	0	20.78	20.86	20.70	22.50
20	64QAM	50	24	20.80	20.90	20.75	22.50
20	64QAM	50	50	20.86	20.96	20.80	22.50
20	64QAM	100	0	20.75	20.91	20.76	22.50
20	256QAM	1	0	18.99	19.11	18.98	20.50
20	256QAM	1	49	18.99	19.04	18.88	20.50
20	256QAM	1	99	19.02	19.17	18.96	20.50
20	256QAM	50	0	18.82	18.94	18.82	20.50
20	256QAM	50	24	18.87	18.98	18.82	20.50
20	256QAM	50	50	18.95	19.03	18.84	20.50
20	256QAM	100	0	18.91	19.01	18.79	20.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.85	23.83	23.81	25.50
15	QPSK	1	37	23.46	23.63	23.41	25.50
15	QPSK	1	74	23.63	23.77	23.66	25.50
15	QPSK	36	0	22.50	22.73	22.52	24.50
15	QPSK	36	20	22.45	22.58	22.38	24.50
15	QPSK	36	39	22.51	22.61	22.56	24.50
15	QPSK	75	0	22.54	22.78	22.60	24.50
15	16QAM	1	0	22.80	22.96	22.79	24.50
15	16QAM	1	37	22.62	22.81	22.71	24.50
15	16QAM	1	74	22.86	22.90	22.80	24.50
15	16QAM	36	0	21.67	21.73	21.57	23.50
15	16QAM	36	20	21.54	21.66	21.54	23.50
15	16QAM	36	39	21.69	21.75	21.66	23.50
15	16QAM	75	0	21.62	21.86	21.70	23.50
15	64QAM	1	0	21.64	21.94	21.80	23.50
15	64QAM	1	37	21.64	21.85	21.70	23.50
15	64QAM	1	74	21.84	21.93	21.78	23.50
15	64QAM	36	0	20.63	20.85	20.64	22.50
15	64QAM	36	20	20.78	20.85	20.72	22.50
15	64QAM	36	39	20.73	20.83	20.79	22.50
15	64QAM	75	0	20.65	20.80	20.63	22.50
15	256QAM	1	0	18.88	18.96	18.92	20.50
15	256QAM	1	37	18.91	19.03	18.80	20.50
15	256QAM	1	74	18.87	19.16	18.85	20.50
15	256QAM	36	0	18.77	18.82	18.77	20.50
15	256QAM	36	20	18.84	18.85	18.71	20.50
15	256QAM	36	39	18.82	19.01	18.71	20.50
15	256QAM	75	0	18.81	18.97	18.69	20.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.78	23.88	23.72	25.50
10	QPSK	1	25	23.55	23.65	23.53	25.50
10	QPSK	1	49	23.64	23.81	23.67	25.50
10	QPSK	25	0	22.57	22.78	22.49	24.50
10	QPSK	25	12	22.40	22.56	22.44	24.50
10	QPSK	25	25	22.55	22.65	22.56	24.50
10	QPSK	50	0	22.56	22.64	22.49	24.50
10	16QAM	1	0	22.79	22.91	22.78	24.50
10	16QAM	1	25	22.67	22.86	22.70	24.50
10	16QAM	1	49	22.84	23.00	22.79	24.50
10	16QAM	25	0	21.55	21.72	21.53	23.50



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10	16QAM	25	12	21.52	21.66	21.53	23.50
10	16QAM	25	25	21.81	21.89	21.67	23.50
10	16QAM	50	0	21.71	21.78	21.59	23.50
10	64QAM	1	0	21.78	21.92	21.75	23.50
10	64QAM	1	25	21.69	21.84	21.63	23.50
10	64QAM	1	49	21.76	21.96	21.70	23.50
10	64QAM	25	0	20.64	20.84	20.59	22.50
10	64QAM	25	12	20.65	20.76	20.71	22.50
10	64QAM	25	25	20.83	20.85	20.67	22.50
10	64QAM	50	0	20.67	20.81	20.64	22.50
10	256QAM	1	0	18.97	18.98	18.84	20.50
10	256QAM	1	25	18.93	18.97	18.73	20.50
10	256QAM	1	49	18.95	19.11	18.86	20.50
10	256QAM	25	0	18.81	18.82	18.75	20.50
10	256QAM	25	12	18.84	18.83	18.80	20.50
10	256QAM	25	25	18.93	19.00	18.79	20.50
10	256QAM	50	0	18.88	18.87	18.68	20.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.77	23.87	23.79	25.50
5	QPSK	1	12	23.47	23.64	23.52	25.50
5	QPSK	1	24	23.55	23.69	23.60	25.50
5	QPSK	12	0	22.49	22.69	22.43	24.50
5	QPSK	12	7	22.49	22.59	22.40	24.50
5	QPSK	12	13	22.48	22.65	22.58	24.50
5	QPSK	25	0	22.59	22.75	22.58	24.50
5	16QAM	1	0	22.85	22.90	22.83	24.50
5	16QAM	1	12	22.74	22.92	22.75	24.50
5	16QAM	1	24	22.81	22.89	22.70	24.50
5	16QAM	12	0	21.59	21.71	21.51	23.50
5	16QAM	12	7	21.58	21.63	21.57	23.50
5	16QAM	12	13	21.75	21.80	21.68	23.50
5	16QAM	25	0	21.66	21.76	21.62	23.50
5	64QAM	1	0	21.71	21.87	21.80	23.50
5	64QAM	1	12	21.71	21.77	21.60	23.50
5	64QAM	1	24	21.82	21.92	21.69	23.50
5	64QAM	12	0	20.65	20.84	20.56	22.50
5	64QAM	12	7	20.74	20.79	20.66	22.50
5	64QAM	12	13	20.80	20.91	20.69	22.50
5	64QAM	25	0	20.67	20.80	20.70	22.50
5	256QAM	1	0	18.84	19.01	18.93	20.50
5	256QAM	1	12	18.88	18.96	18.80	20.50
5	256QAM	1	24	18.97	19.05	18.86	20.50
5	256QAM	12	0	18.75	18.84	18.73	20.50
5	256QAM	12	7	18.82	18.85	18.73	20.50
5	256QAM	12	13	18.90	18.95	18.73	20.50
5	256QAM	25	0	18.76	18.90	18.76	20.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.78	23.88	23.84	25.50
3	QPSK	1	8	23.51	23.60	23.52	25.50
3	QPSK	1	14	23.61	23.73	23.55	25.50
3	QPSK	8	0	22.55	22.75	22.39	24.50
3	QPSK	8	4	22.47	22.67	22.48	24.50
3	QPSK	8	7	22.57	22.68	22.60	24.50
3	QPSK	15	0	22.60	22.74	22.56	24.50
3	16QAM	1	0	22.84	22.93	22.79	24.50
3	16QAM	1	8	22.67	22.81	22.77	24.50
3	16QAM	1	14	22.87	22.95	22.81	24.50
3	16QAM	8	0	21.60	21.63	21.55	23.50
3	16QAM	8	4	21.57	21.76	21.49	23.50
3	16QAM	8	7	21.77	21.86	21.65	23.50
3	16QAM	15	0	21.64	21.87	21.62	23.50
3	64QAM	1	0	21.66	21.81	21.75	23.50
3	64QAM	1	8	21.69	21.75	21.71	23.50
3	64QAM	1	14	21.82	21.94	21.73	23.50
3	64QAM	8	0	20.68	20.71	20.61	22.50
3	64QAM	8	4	20.74	20.78	20.72	22.50
3	64QAM	8	7	20.76	20.87	20.71	22.50
3	64QAM	15	0	20.65	20.82	20.71	22.50
3	256QAM	1	0	18.86	19.01	18.84	20.50
3	256QAM	1	8	18.97	19.01	18.76	20.50
3	256QAM	1	14	18.90	19.07	18.81	20.50
3	256QAM	8	0	18.77	18.85	18.70	20.50
3	256QAM	8	4	18.84	18.94	18.78	20.50
3	256QAM	8	7	18.90	18.99	18.80	20.50
3	256QAM	15	0	18.86	18.95	18.68	20.50
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.79	23.95	23.72	25.50
1.4	QPSK	1	3	23.56	23.72	23.52	25.50
1.4	QPSK	1	5	23.62	23.75	23.58	25.50
1.4	QPSK	3	0	23.58	23.72	23.48	25.50
1.4	QPSK	3	1	23.51	23.61	23.46	25.50
1.4	QPSK	3	3	23.50	23.62	23.57	25.50
1.4	QPSK	6	0	22.52	22.73	22.53	24.50
1.4	16QAM	1	0	22.83	22.96	22.78	24.50
1.4	16QAM	1	3	22.62	22.81	22.70	24.50
1.4	16QAM	1	5	22.88	22.98	22.79	24.50
1.4	16QAM	3	0	22.56	22.67	22.55	24.50
1.4	16QAM	3	1	22.63	22.72	22.58	24.50
1.4	16QAM	3	3	22.75	22.76	22.68	24.50
1.4	16QAM	6	0	21.68	21.77	21.60	23.50
1.4	64QAM	1	0	21.77	21.92	21.74	23.50
1.4	64QAM	1	3	21.67	21.86	21.72	23.50
1.4	64QAM	1	5	21.87	22.04	21.80	23.50
1.4	64QAM	3	0	21.72	21.78	21.55	23.50
1.4	64QAM	3	1	21.71	21.83	21.67	23.50
1.4	64QAM	3	3	21.82	21.89	21.75	23.50
1.4	64QAM	6	0	20.68	20.78	20.65	22.50
1.4	256QAM	1	0	18.95	19.05	18.84	20.50
1.4	256QAM	1	3	18.96	18.90	18.77	20.50
1.4	256QAM	1	5	18.89	19.16	18.93	20.50
1.4	256QAM	3	0	18.75	18.85	18.77	20.50
1.4	256QAM	3	1	18.81	18.91	18.68	20.50
1.4	256QAM	3	3	18.89	18.91	18.77	20.50
1.4	256QAM	6	0	18.80	18.89	18.78	20.50

【LTE Band 25_Ant 3_ECI5】

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	16.99	17.02	16.95	18.50
20	QPSK	1	49	16.71	16.92	16.81	18.50
20	QPSK	1	99	16.78	16.90	16.76	18.50
20	QPSK	50	0	16.81	16.95	16.88	18.50
20	QPSK	50	24	16.80	16.93	16.83	18.50
20	QPSK	50	50	16.66	16.88	16.73	18.50
20	QPSK	100	0	16.68	16.85	16.77	18.50
20	16QAM	1	0	16.74	16.83	16.65	18.50
20	16QAM	1	49	16.72	16.81	16.62	18.50
20	16QAM	1	99	16.69	16.85	16.73	18.50
20	16QAM	50	0	16.76	16.89	16.78	18.50
20	16QAM	50	24	16.66	16.82	16.64	18.50
20	16QAM	50	50	16.73	16.84	16.67	18.50
20	16QAM	100	0	16.69	16.80	16.62	18.50
20	64QAM	1	0	16.67	16.83	16.65	18.50
20	64QAM	1	49	16.64	16.80	16.67	18.50
20	64QAM	1	99	16.65	16.76	16.66	18.50
20	64QAM	50	0	16.66	16.81	16.76	18.50
20	64QAM	50	24	16.66	16.81	16.75	18.50
20	64QAM	50	50	16.70	16.82	16.64	18.50
20	64QAM	100	0	16.71	16.80	16.72	18.50
20	256QAM	1	0	16.60	16.77	16.60	18.50
20	256QAM	1	49	16.63	16.80	16.68	18.50
20	256QAM	1	99	16.64	16.74	16.56	18.50
20	256QAM	50	0	16.57	16.77	16.63	18.50
20	256QAM	50	24	16.71	16.83	16.74	18.50
20	256QAM	50	50	16.53	16.74	16.59	18.50
20	256QAM	100	0	16.61	16.77	16.61	18.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.84	16.91	16.89	18.50
15	QPSK	1	37	16.68	16.89	16.74	18.50
15	QPSK	1	74	16.71	16.87	16.75	18.50
15	QPSK	36	0	16.67	16.92	16.71	18.50
15	QPSK	36	20	16.66	16.89	16.69	18.50
15	QPSK	36	39	16.64	16.75	16.65	18.50
15	QPSK	75	0	16.58	16.83	16.75	18.50



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15	16QAM	1	0	16.68	16.78	16.64	18.50
15	16QAM	1	37	16.60	16.75	16.48	18.50
15	16QAM	1	74	16.63	16.76	16.59	18.50
15	16QAM	36	0	16.65	16.75	16.77	18.50
15	16QAM	36	20	16.65	16.70	16.56	18.50
15	16QAM	36	39	16.69	16.73	16.60	18.50
15	16QAM	75	0	16.61	16.66	16.50	18.50
15	64QAM	1	0	16.52	16.81	16.57	18.50
15	64QAM	1	37	16.51	16.69	16.53	18.50
15	64QAM	1	74	16.52	16.62	16.61	18.50
15	64QAM	36	0	16.64	16.73	16.63	18.50
15	64QAM	36	20	16.62	16.79	16.61	18.50
15	64QAM	36	39	16.67	16.70	16.58	18.50
15	64QAM	75	0	16.66	16.67	16.66	18.50
15	256QAM	1	0	16.45	16.68	16.54	18.50
15	256QAM	1	37	16.60	16.66	16.57	18.50
15	256QAM	1	74	16.53	16.73	16.52	18.50
15	256QAM	36	0	16.48	16.68	16.55	18.50
15	256QAM	36	20	16.61	16.72	16.70	18.50
15	256QAM	36	39	16.39	16.68	16.57	18.50
15	256QAM	75	0	16.55	16.71	16.47	18.50
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	16.86	16.97	16.86	18.50
10	QPSK	1	25	16.56	16.87	16.75	18.50
10	QPSK	1	49	16.67	16.81	16.67	18.50
10	QPSK	25	0	16.76	16.83	16.68	18.50
10	QPSK	25	12	16.72	16.84	16.81	18.50
10	QPSK	25	25	16.64	16.83	16.71	18.50
10	QPSK	50	0	16.64	16.77	16.71	18.50
10	16QAM	1	0	16.64	16.69	16.52	18.50
10	16QAM	1	25	16.69	16.66	16.57	18.50
10	16QAM	1	49	16.64	16.73	16.67	18.50
10	16QAM	25	0	16.69	16.85	16.77	18.50
10	16QAM	25	12	16.64	16.75	16.49	18.50
10	16QAM	25	25	16.66	16.74	16.58	18.50
10	16QAM	50	0	16.65	16.68	16.50	18.50
10	64QAM	1	0	16.56	16.78	16.50	18.50
10	64QAM	1	25	16.52	16.74	16.55	18.50
10	64QAM	1	49	16.54	16.72	16.62	18.50
10	64QAM	25	0	16.52	16.69	16.67	18.50
10	64QAM	25	12	16.59	16.72	16.70	18.50
10	64QAM	25	25	16.61	16.76	16.57	18.50
10	64QAM	50	0	16.58	16.76	16.66	18.50
10	256QAM	1	0	16.58	16.70	16.46	18.50
10	256QAM	1	25	16.55	16.78	16.57	18.50
10	256QAM	1	49	16.57	16.63	16.50	18.50
10	256QAM	25	0	16.52	16.75	16.52	18.50
10	256QAM	25	12	16.69	16.81	16.64	18.50
10	256QAM	25	25	16.38	16.61	16.53	18.50
10	256QAM	50	0	16.54	16.76	16.59	18.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.87	16.85	16.89	18.50
5	QPSK	1	12	16.59	16.82	16.78	18.50
5	QPSK	1	24	16.75	16.82	16.64	18.50
5	QPSK	12	0	16.79	16.90	16.73	18.50
5	QPSK	12	7	16.71	16.85	16.81	18.50
5	QPSK	12	13	16.61	16.78	16.61	18.50
5	QPSK	25	0	16.55	16.81	16.72	18.50
5	16QAM	1	0	16.69	16.68	16.58	18.50
5	16QAM	1	12	16.68	16.80	16.52	18.50
5	16QAM	1	24	16.57	16.81	16.68	18.50
5	16QAM	12	0	16.71	16.86	16.72	18.50
5	16QAM	12	7	16.58	16.68	16.51	18.50
5	16QAM	12	13	16.64	16.72	16.65	18.50
5	16QAM	25	0	16.67	16.74	16.55	18.50
5	64QAM	1	0	16.60	16.81	16.51	18.50
5	64QAM	1	12	16.52	16.67	16.60	18.50
5	64QAM	1	24	16.57	16.70	16.56	18.50
5	64QAM	12	0	16.55	16.78	16.71	18.50
5	64QAM	12	7	16.61	16.66	16.64	18.50
5	64QAM	12	13	16.64	16.72	16.56	18.50
5	64QAM	25	0	16.56	16.79	16.60	18.50
5	256QAM	1	0	16.50	16.62	16.50	18.50
5	256QAM	1	12	16.55	16.72	16.55	18.50
5	256QAM	1	24	16.52	16.60	16.41	18.50
5	256QAM	12	0	16.47	16.66	16.62	18.50



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5	256QAM	12	7	16.56	16.70	16.65	18.50
5	256QAM	12	13	16.42	16.60	16.57	18.50
5	256QAM	25	0	16.57	16.70	16.54	18.50
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.80	16.89	16.91	18.50
3	QPSK	1	8	16.68	16.89	16.67	18.50
3	QPSK	1	14	16.67	16.83	16.64	18.50
3	QPSK	8	0	16.75	16.83	16.71	18.50
3	QPSK	8	4	16.75	16.80	16.81	18.50
3	QPSK	8	7	16.58	16.79	16.70	18.50
3	QPSK	15	0	16.57	16.81	16.72	18.50
3	16QAM	1	0	16.59	16.75	16.59	18.50
3	16QAM	1	8	16.61	16.67	16.51	18.50
3	16QAM	1	14	16.57	16.71	16.70	18.50
3	16QAM	8	0	16.61	16.88	16.65	18.50
3	16QAM	8	4	16.54	16.80	16.50	18.50
3	16QAM	8	7	16.63	16.72	16.56	18.50
3	16QAM	15	0	16.67	16.78	16.59	18.50
3	64QAM	1	0	16.56	16.80	16.56	18.50
3	64QAM	1	8	16.55	16.78	16.53	18.50
3	64QAM	1	14	16.55	16.68	16.64	18.50
3	64QAM	8	0	16.53	16.70	16.70	18.50
3	64QAM	8	4	16.64	16.67	16.74	18.50
3	64QAM	8	7	16.62	16.79	16.56	18.50
3	64QAM	15	0	16.61	16.76	16.63	18.50
3	256QAM	1	0	16.45	16.67	16.51	18.50
3	256QAM	1	8	16.49	16.77	16.58	18.50
3	256QAM	1	14	16.50	16.69	16.45	18.50
3	256QAM	8	0	16.50	16.68	16.59	18.50
3	256QAM	8	4	16.66	16.70	16.62	18.50
3	256QAM	8	7	16.50	16.71	16.45	18.50
3	256QAM	15	0	16.49	16.69	16.49	18.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.85	16.87	16.89	18.50
1.4	QPSK	1	3	16.65	16.85	16.78	18.50
1.4	QPSK	1	5	16.73	16.83	16.70	18.50
1.4	QPSK	3	0	16.68	16.87	16.64	18.50
1.4	QPSK	3	1	16.70	16.86	16.72	18.50
1.4	QPSK	3	3	16.63	16.82	16.59	18.50
1.4	QPSK	6	0	16.56	16.79	16.66	18.50
1.4	16QAM	1	0	16.70	16.71	16.58	18.50
1.4	16QAM	1	3	16.65	16.76	16.60	18.50
1.4	16QAM	1	5	16.64	16.82	16.65	18.50
1.4	16QAM	3	0	16.71	16.81	16.75	18.50
1.4	16QAM	3	1	16.65	16.80	16.62	18.50
1.4	16QAM	3	3	16.69	16.80	16.59	18.50
1.4	16QAM	6	0	16.65	16.78	16.48	18.50
1.4	64QAM	1	0	16.57	16.74	16.56	18.50
1.4	64QAM	1	3	16.58	16.78	16.52	18.50
1.4	64QAM	1	5	16.51	16.68	16.52	18.50
1.4	64QAM	3	0	16.61	16.71	16.66	18.50
1.4	64QAM	3	1	16.60	16.72	16.74	18.50
1.4	64QAM	3	3	16.55	16.72	16.51	18.50
1.4	64QAM	6	0	16.58	16.77	16.69	18.50
1.4	256QAM	1	0	16.49	16.65	16.48	18.50
1.4	256QAM	1	3	16.51	16.70	16.57	18.50
1.4	256QAM	1	5	16.61	16.64	16.45	18.50
1.4	256QAM	3	0	16.42	16.75	16.60	18.50
1.4	256QAM	3	1	16.66	16.76	16.71	18.50
1.4	256QAM	3	3	16.49	16.66	16.50	18.50
1.4	256QAM	6	0	16.52	16.68	16.56	18.50



【LTE Band 25_Ant 4_Default】

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	23.54	23.57	23.53	25.00
20	QPSK	1	49	23.27	23.38	23.32	25.00
20	QPSK	1	99	23.44	23.53	23.43	25.00
20	QPSK	50	0	22.46	22.57	22.47	24.00
20	QPSK	50	24	22.39	22.56	22.46	24.00
20	QPSK	50	50	22.40	22.53	22.41	24.00
20	QPSK	100	0	22.44	22.59	22.51	24.00
20	16QAM	1	0	22.84	22.90	22.81	24.00
20	16QAM	1	49	22.78	22.82	22.70	24.00
20	16QAM	1	99	22.83	22.92	22.77	24.00
20	16QAM	50	0	21.66	21.74	21.56	23.00
20	16QAM	50	24	21.57	21.74	21.64	23.00
20	16QAM	50	50	21.69	21.82	21.69	23.00
20	16QAM	100	0	21.72	21.77	21.72	23.00
20	64QAM	1	0	21.94	22.04	21.90	23.00
20	64QAM	1	49	21.77	21.91	21.82	23.00
20	64QAM	1	99	22.00	22.10	21.93	23.00
20	64QAM	50	0	20.58	20.76	20.66	22.00
20	64QAM	50	24	20.77	20.84	20.77	22.00
20	64QAM	50	50	20.74	20.85	20.78	22.00
20	64QAM	100	0	20.75	20.87	20.78	22.00
20	256QAM	1	0	18.90	18.97	18.92	20.00
20	256QAM	1	49	18.82	18.94	18.80	20.00
20	256QAM	1	99	18.83	18.99	18.93	20.00
20	256QAM	50	0	18.73	18.77	18.71	20.00
20	256QAM	50	24	18.71	18.80	18.75	20.00
20	256QAM	50	50	18.65	18.81	18.64	20.00
20	256QAM	100	0	18.75	18.84	18.73	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.50	23.56	23.51	25.00
15	QPSK	1	37	23.17	23.37	23.25	25.00
15	QPSK	1	74	23.41	23.52	23.39	25.00
15	QPSK	36	0	22.35	22.46	22.38	24.00
15	QPSK	36	20	22.34	22.46	22.41	24.00
15	QPSK	36	39	22.34	22.48	22.38	24.00
15	QPSK	75	0	22.38	22.58	22.48	24.00
15	16QAM	1	0	22.81	22.83	22.70	24.00
15	16QAM	1	37	22.72	22.76	22.59	24.00
15	16QAM	1	74	22.77	22.85	22.63	24.00
15	16QAM	36	0	21.62	21.66	21.52	23.00
15	16QAM	36	20	21.47	21.72	21.51	23.00
15	16QAM	36	39	21.66	21.79	21.63	23.00
15	16QAM	75	0	21.60	21.63	21.66	23.00
15	64QAM	1	0	21.89	21.95	21.80	23.00
15	64QAM	1	37	21.69	21.81	21.79	23.00
15	64QAM	1	74	21.97	21.96	21.84	23.00
15	64QAM	36	0	20.49	20.72	20.57	22.00
15	64QAM	36	20	20.70	20.82	20.64	22.00
15	64QAM	36	39	20.62	20.75	20.73	22.00
15	64QAM	75	0	20.69	20.76	20.72	22.00
15	256QAM	1	0	18.89	18.82	18.80	20.00
15	256QAM	1	37	18.74	18.83	18.75	20.00
15	256QAM	1	74	18.79	18.85	18.86	20.00
15	256QAM	36	0	18.62	18.72	18.60	20.00
15	256QAM	36	20	18.69	18.68	18.64	20.00
15	256QAM	36	39	18.57	18.71	18.57	20.00
15	256QAM	75	0	18.64	18.81	18.62	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.43	23.56	23.52	25.00
10	QPSK	1	25	23.18	23.28	23.21	25.00
10	QPSK	1	49	23.39	23.39	23.34	25.00
10	QPSK	25	0	22.40	22.53	22.33	24.00
10	QPSK	25	12	22.28	22.53	22.43	24.00
10	QPSK	25	25	22.32	22.50	22.36	24.00
10	QPSK	50	0	22.42	22.49	22.44	24.00
10	16QAM	1	0	22.78	22.75	22.74	24.00
10	16QAM	1	25	22.72	22.68	22.68	24.00
10	16QAM	1	49	22.82	22.90	22.68	24.00
10	16QAM	25	0	21.59	21.66	21.51	23.00



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10	16QAM	25	12	21.50	21.62	21.57	23.00
10	16QAM	25	25	21.67	21.71	21.66	23.00
10	16QAM	50	0	21.59	21.74	21.60	23.00
10	64QAM	1	0	21.85	21.92	21.82	23.00
10	64QAM	1	25	21.65	21.85	21.74	23.00
10	64QAM	1	49	21.91	21.96	21.83	23.00
10	64QAM	25	0	20.46	20.63	20.59	22.00
10	64QAM	25	12	20.70	20.72	20.73	22.00
10	64QAM	25	25	20.61	20.72	20.72	22.00
10	64QAM	50	0	20.65	20.73	20.67	22.00
10	256QAM	1	0	18.87	18.92	18.90	20.00
10	256QAM	1	25	18.76	18.89	18.69	20.00
10	256QAM	1	49	18.70	18.91	18.87	20.00
10	256QAM	25	0	18.68	18.68	18.66	20.00
10	256QAM	25	12	18.60	18.65	18.74	20.00
10	256QAM	25	25	18.54	18.73	18.57	20.00
10	256QAM	50	0	18.69	18.82	18.71	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.49	23.52	23.45	25.00
5	QPSK	1	12	23.20	23.29	23.30	25.00
5	QPSK	1	24	23.36	23.44	23.36	25.00
5	QPSK	12	0	22.39	22.49	22.35	24.00
5	QPSK	12	7	22.29	22.53	22.44	24.00
5	QPSK	12	13	22.32	22.40	22.29	24.00
5	QPSK	25	0	22.33	22.51	22.47	24.00
5	16QAM	1	0	22.76	22.82	22.78	24.00
5	16QAM	1	12	22.63	22.74	22.64	24.00
5	16QAM	1	24	22.80	22.84	22.72	24.00
5	16QAM	12	0	21.51	21.64	21.53	23.00
5	16QAM	12	7	21.48	21.72	21.53	23.00
5	16QAM	12	13	21.58	21.76	21.62	23.00
5	16QAM	25	0	21.65	21.64	21.67	23.00
5	64QAM	1	0	21.91	21.91	21.85	23.00
5	64QAM	1	12	21.63	21.88	21.71	23.00
5	64QAM	1	24	21.96	21.98	21.85	23.00
5	64QAM	12	0	20.45	20.62	20.52	22.00
5	64QAM	12	7	20.68	20.75	20.76	22.00
5	64QAM	12	13	20.59	20.84	20.65	22.00
5	64QAM	25	0	20.60	20.84	20.64	22.00
5	256QAM	1	0	18.84	18.88	18.77	20.00
5	256QAM	1	12	18.76	18.87	18.76	20.00
5	256QAM	1	24	18.77	18.95	18.82	20.00
5	256QAM	12	0	18.68	18.73	18.57	20.00
5	256QAM	12	7	18.69	18.70	18.60	20.00
5	256QAM	12	13	18.60	18.74	18.53	20.00
5	256QAM	25	0	18.71	18.70	18.60	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.48	23.43	23.47	25.00
3	QPSK	1	8	23.20	23.37	23.23	25.00
3	QPSK	1	14	23.39	23.47	23.37	25.00
3	QPSK	8	0	22.44	22.49	22.35	24.00
3	QPSK	8	4	22.34	22.52	22.36	24.00
3	QPSK	8	7	22.30	22.39	22.32	24.00
3	QPSK	15	0	22.30	22.58	22.36	24.00
3	16QAM	1	0	22.71	22.79	22.74	24.00
3	16QAM	1	8	22.69	22.67	22.56	24.00
3	16QAM	1	14	22.71	22.81	22.66	24.00
3	16QAM	8	0	21.51	21.64	21.54	23.00
3	16QAM	8	4	21.56	21.69	21.51	23.00
3	16QAM	8	7	21.66	21.77	21.60	23.00
3	16QAM	15	0	21.71	21.72	21.69	23.00
3	64QAM	1	0	21.80	21.90	21.78	23.00
3	64QAM	1	8	21.67	21.85	21.73	23.00
3	64QAM	1	14	21.93	22.00	21.88	23.00
3	64QAM	8	0	20.54	20.75	20.63	22.00
3	64QAM	8	4	20.65	20.79	20.71	22.00
3	64QAM	8	7	20.63	20.75	20.70	22.00
3	64QAM	15	0	20.64	20.75	20.75	22.00
3	256QAM	1	0	18.86	18.94	18.83	20.00
3	256QAM	1	8	18.69	18.84	18.66	20.00
3	256QAM	1	14	18.81	18.97	18.80	20.00
3	256QAM	8	0	18.59	18.75	18.59	20.00
3	256QAM	8	4	18.58	18.72	18.66	20.00
3	256QAM	8	7	18.52	18.80	18.58	20.00
3	256QAM	15	0	18.67	18.72	18.63	20.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.49	23.43	23.42	25.00
1.4	QPSK	1	3	23.24	23.23	23.31	25.00
1.4	QPSK	1	5	23.33	23.49	23.29	25.00
1.4	QPSK	3	0	23.38	23.43	23.34	25.00
1.4	QPSK	3	1	23.29	23.51	23.37	25.00
1.4	QPSK	3	3	23.34	23.40	23.35	25.00
1.4	QPSK	6	0	22.39	22.53	22.42	24.00
1.4	16QAM	1	0	22.78	22.79	22.74	24.00
1.4	16QAM	1	3	22.72	22.79	22.64	24.00
1.4	16QAM	1	5	22.79	22.83	22.76	24.00
1.4	16QAM	3	0	22.54	22.64	22.41	24.00
1.4	16QAM	3	1	22.48	22.61	22.61	24.00
1.4	16QAM	3	3	22.68	22.79	22.67	24.00
1.4	16QAM	6	0	21.58	21.71	21.61	23.00
1.4	64QAM	1	0	21.89	21.93	21.85	23.00
1.4	64QAM	1	3	21.75	21.80	21.76	23.00
1.4	64QAM	1	5	21.89	22.01	21.86	23.00
1.4	64QAM	3	0	21.55	21.74	21.55	23.00
1.4	64QAM	3	1	21.64	21.71	21.73	23.00
1.4	64QAM	3	3	21.71	21.79	21.65	23.00
1.4	64QAM	6	0	20.64	20.78	20.74	22.00
1.4	256QAM	1	0	18.86	18.93	18.78	20.00
1.4	256QAM	1	3	18.73	18.81	18.74	20.00
1.4	256QAM	1	5	18.69	18.97	18.81	20.00
1.4	256QAM	3	0	18.62	18.71	18.62	20.00
1.4	256QAM	3	1	18.64	18.73	18.64	20.00
1.4	256QAM	3	3	18.61	18.79	18.60	20.00
1.4	256QAM	6	0	18.63	18.76	18.68	20.00

【LTE Band 25_Ant 4_ECI1】

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	23.54	23.57	23.53	25.00
20	QPSK	1	49	23.27	23.38	23.32	25.00
20	QPSK	1	99	23.44	23.53	23.43	25.00
20	QPSK	50	0	22.46	22.57	22.47	24.00
20	QPSK	50	24	22.39	22.56	22.46	24.00
20	QPSK	50	50	22.40	22.53	22.41	24.00
20	QPSK	100	0	22.44	22.59	22.51	24.00
20	16QAM	1	0	22.84	22.90	22.81	24.00
20	16QAM	1	49	22.78	22.82	22.70	24.00
20	16QAM	1	99	22.83	22.92	22.77	24.00
20	16QAM	50	0	21.66	21.74	21.56	23.00
20	16QAM	50	24	21.57	21.74	21.64	23.00
20	16QAM	50	50	21.69	21.82	21.69	23.00
20	16QAM	100	0	21.72	21.77	21.72	23.00
20	64QAM	1	0	21.94	22.04	21.90	23.00
20	64QAM	1	49	21.77	21.91	21.82	23.00
20	64QAM	1	99	22.00	22.10	21.93	23.00
20	64QAM	50	0	20.58	20.76	20.66	22.00
20	64QAM	50	24	20.77	20.84	20.77	22.00
20	64QAM	50	50	20.74	20.85	20.78	22.00
20	64QAM	100	0	20.75	20.87	20.78	22.00
20	256QAM	1	0	18.90	18.97	18.92	20.00
20	256QAM	1	49	18.82	18.94	18.80	20.00
20	256QAM	1	99	18.83	18.99	18.93	20.00
20	256QAM	50	0	18.73	18.77	18.71	20.00
20	256QAM	50	24	18.71	18.80	18.75	20.00
20	256QAM	50	50	18.65	18.81	18.64	20.00
20	256QAM	100	0	18.75	18.84	18.73	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.50	23.56	23.51	25.00
15	QPSK	1	37	23.17	23.37	23.25	25.00
15	QPSK	1	74	23.41	23.52	23.39	25.00
15	QPSK	36	0	22.35	22.46	22.38	24.00
15	QPSK	36	20	22.34	22.46	22.41	24.00
15	QPSK	36	39	22.34	22.48	22.38	24.00
15	QPSK	75	0	22.38	22.58	22.48	24.00



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15	16QAM	1	0	22.81	22.83	22.70	24.00
15	16QAM	1	37	22.72	22.76	22.59	24.00
15	16QAM	1	74	22.77	22.85	22.63	24.00
15	16QAM	36	0	21.62	21.66	21.52	23.00
15	16QAM	36	20	21.47	21.72	21.51	23.00
15	16QAM	36	39	21.66	21.79	21.63	23.00
15	16QAM	75	0	21.60	21.63	21.66	23.00
15	64QAM	1	0	21.89	21.95	21.80	23.00
15	64QAM	1	37	21.69	21.81	21.79	23.00
15	64QAM	1	74	21.97	21.96	21.84	23.00
15	64QAM	36	0	20.49	20.72	20.57	22.00
15	64QAM	36	20	20.70	20.82	20.64	22.00
15	64QAM	36	39	20.62	20.75	20.73	22.00
15	64QAM	75	0	20.69	20.76	20.72	22.00
15	256QAM	1	0	18.89	18.82	18.80	20.00
15	256QAM	1	37	18.74	18.83	18.75	20.00
15	256QAM	1	74	18.79	18.85	18.86	20.00
15	256QAM	36	0	18.62	18.72	18.60	20.00
15	256QAM	36	20	18.69	18.68	18.64	20.00
15	256QAM	36	39	18.57	18.71	18.57	20.00
15	256QAM	75	0	18.64	18.81	18.62	20.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.43	23.56	23.52	25.00
10	QPSK	1	25	23.18	23.28	23.21	25.00
10	QPSK	1	49	23.39	23.39	23.34	25.00
10	QPSK	25	0	22.40	22.53	22.33	24.00
10	QPSK	25	12	22.28	22.53	22.43	24.00
10	QPSK	25	25	22.32	22.50	22.36	24.00
10	QPSK	50	0	22.42	22.49	22.44	24.00
10	16QAM	1	0	22.78	22.75	22.74	24.00
10	16QAM	1	25	22.72	22.68	22.68	24.00
10	16QAM	1	49	22.82	22.90	22.68	24.00
10	16QAM	25	0	21.59	21.66	21.51	23.00
10	16QAM	25	12	21.50	21.62	21.57	23.00
10	16QAM	25	25	21.67	21.71	21.66	23.00
10	16QAM	50	0	21.59	21.74	21.60	23.00
10	64QAM	1	0	21.85	21.92	21.82	23.00
10	64QAM	1	25	21.65	21.85	21.74	23.00
10	64QAM	1	49	21.91	21.96	21.83	23.00
10	64QAM	25	0	20.46	20.63	20.59	22.00
10	64QAM	25	12	20.70	20.72	20.73	22.00
10	64QAM	25	25	20.61	20.72	20.72	22.00
10	64QAM	50	0	20.65	20.73	20.67	22.00
10	256QAM	1	0	18.87	18.92	18.90	20.00
10	256QAM	1	25	18.76	18.89	18.69	20.00
10	256QAM	1	49	18.70	18.91	18.87	20.00
10	256QAM	25	0	18.68	18.68	18.66	20.00
10	256QAM	25	12	18.60	18.65	18.74	20.00
10	256QAM	25	25	18.54	18.73	18.57	20.00
10	256QAM	50	0	18.69	18.82	18.71	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.49	23.52	23.45	25.00
5	QPSK	1	12	23.20	23.29	23.30	25.00
5	QPSK	1	24	23.36	23.44	23.36	25.00
5	QPSK	12	0	22.39	22.49	22.35	24.00
5	QPSK	12	7	22.29	22.53	22.44	24.00
5	QPSK	12	13	22.32	22.40	22.29	24.00
5	QPSK	25	0	22.33	22.51	22.47	24.00
5	16QAM	1	0	22.76	22.82	22.78	24.00
5	16QAM	1	12	22.63	22.74	22.64	24.00
5	16QAM	1	24	22.80	22.84	22.72	24.00
5	16QAM	12	0	21.51	21.64	21.53	23.00
5	16QAM	12	7	21.48	21.72	21.53	23.00
5	16QAM	12	13	21.58	21.76	21.62	23.00
5	16QAM	25	0	21.65	21.64	21.67	23.00
5	64QAM	1	0	21.91	21.91	21.85	23.00
5	64QAM	1	12	21.63	21.88	21.71	23.00
5	64QAM	1	24	21.96	21.98	21.85	23.00
5	64QAM	12	0	20.45	20.62	20.52	22.00
5	64QAM	12	7	20.68	20.75	20.76	22.00
5	64QAM	12	13	20.59	20.84	20.65	22.00
5	64QAM	25	0	20.60	20.84	20.64	22.00
5	256QAM	1	0	18.84	18.88	18.77	20.00
5	256QAM	1	12	18.76	18.87	18.76	20.00
5	256QAM	1	24	18.77	18.95	18.82	20.00
5	256QAM	12	0	18.68	18.73	18.57	20.00



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5	256QAM	12	7	18.69	18.70	18.60	20.00
5	256QAM	12	13	18.60	18.74	18.53	20.00
5	256QAM	25	0	18.71	18.70	18.60	20.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.48	23.43	23.47	25.00
3	QPSK	1	8	23.20	23.37	23.23	25.00
3	QPSK	1	14	23.39	23.47	23.37	25.00
3	QPSK	8	0	22.44	22.49	22.35	24.00
3	QPSK	8	4	22.34	22.52	22.36	24.00
3	QPSK	8	7	22.30	22.39	22.32	24.00
3	QPSK	15	0	22.30	22.58	22.36	24.00
3	16QAM	1	0	22.71	22.79	22.74	24.00
3	16QAM	1	8	22.69	22.67	22.56	24.00
3	16QAM	1	14	22.71	22.81	22.66	24.00
3	16QAM	8	0	21.51	21.64	21.54	23.00
3	16QAM	8	4	21.56	21.69	21.51	23.00
3	16QAM	8	7	21.66	21.77	21.60	23.00
3	16QAM	15	0	21.71	21.72	21.69	23.00
3	64QAM	1	0	21.80	21.90	21.78	23.00
3	64QAM	1	8	21.67	21.85	21.73	23.00
3	64QAM	1	14	21.93	22.00	21.88	23.00
3	64QAM	8	0	20.54	20.75	20.63	22.00
3	64QAM	8	4	20.65	20.79	20.71	22.00
3	64QAM	8	7	20.63	20.75	20.70	22.00
3	64QAM	15	0	20.64	20.75	20.75	22.00
3	256QAM	1	0	18.86	18.94	18.83	20.00
3	256QAM	1	8	18.69	18.84	18.66	20.00
3	256QAM	1	14	18.81	18.97	18.80	20.00
3	256QAM	8	0	18.59	18.75	18.59	20.00
3	256QAM	8	4	18.58	18.72	18.66	20.00
3	256QAM	8	7	18.52	18.80	18.58	20.00
3	256QAM	15	0	18.67	18.72	18.63	20.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.49	23.43	23.42	25.00
1.4	QPSK	1	3	23.24	23.23	23.31	25.00
1.4	QPSK	1	5	23.33	23.49	23.29	25.00
1.4	QPSK	3	0	23.38	23.43	23.34	25.00
1.4	QPSK	3	1	23.29	23.51	23.37	25.00
1.4	QPSK	3	3	23.34	23.40	23.35	25.00
1.4	QPSK	6	0	22.39	22.53	22.42	24.00
1.4	16QAM	1	0	22.78	22.79	22.74	24.00
1.4	16QAM	1	3	22.72	22.79	22.64	24.00
1.4	16QAM	1	5	22.79	22.83	22.76	24.00
1.4	16QAM	3	0	22.54	22.64	22.41	24.00
1.4	16QAM	3	1	22.48	22.61	22.61	24.00
1.4	16QAM	3	3	22.68	22.79	22.67	24.00
1.4	16QAM	6	0	21.58	21.71	21.61	23.00
1.4	64QAM	1	0	21.89	21.93	21.85	23.00
1.4	64QAM	1	3	21.75	21.80	21.76	23.00
1.4	64QAM	1	5	21.89	22.01	21.86	23.00
1.4	64QAM	3	0	21.55	21.74	21.55	23.00
1.4	64QAM	3	1	21.64	21.71	21.73	23.00
1.4	64QAM	3	3	21.71	21.79	21.65	23.00
1.4	64QAM	6	0	20.64	20.78	20.74	22.00
1.4	256QAM	1	0	18.86	18.93	18.78	20.00
1.4	256QAM	1	3	18.73	18.81	18.74	20.00
1.4	256QAM	1	5	18.69	18.97	18.81	20.00
1.4	256QAM	3	0	18.62	18.71	18.62	20.00
1.4	256QAM	3	1	18.64	18.73	18.64	20.00
1.4	256QAM	3	3	18.61	18.79	18.60	20.00
1.4	256QAM	6	0	18.63	18.76	18.68	20.00



【LTE Band 25_Ant 4_ECI3】

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	19.66	19.67	19.65	21.00
20	QPSK	1	49	19.42	19.49	19.35	21.00
20	QPSK	1	99	19.42	19.55	19.49	21.00
20	QPSK	50	0	19.61	19.63	19.59	21.00
20	QPSK	50	24	19.41	19.55	19.50	21.00
20	QPSK	50	50	19.39	19.42	19.35	21.00
20	QPSK	100	0	19.46	19.50	19.36	21.00
20	16QAM	1	0	19.46	19.57	19.41	21.00
20	16QAM	1	49	19.47	19.55	19.42	21.00
20	16QAM	1	99	19.33	19.42	19.28	21.00
20	16QAM	50	0	19.41	19.47	19.40	21.00
20	16QAM	50	24	19.52	19.55	19.47	21.00
20	16QAM	50	50	19.35	19.42	19.33	21.00
20	16QAM	100	0	19.37	19.51	19.38	21.00
20	64QAM	1	0	19.29	19.44	19.41	21.00
20	64QAM	1	49	19.43	19.47	19.32	21.00
20	64QAM	1	99	19.40	19.49	19.33	21.00
20	64QAM	50	0	19.44	19.53	19.48	21.00
20	64QAM	50	24	19.35	19.42	19.35	21.00
20	64QAM	50	50	19.40	19.52	19.43	21.00
20	64QAM	100	0	19.36	19.44	19.40	21.00
20	256QAM	1	0	18.90	18.97	18.92	20.00
20	256QAM	1	49	18.82	18.94	18.80	20.00
20	256QAM	1	99	18.83	18.99	18.93	20.00
20	256QAM	50	0	18.73	18.77	18.71	20.00
20	256QAM	50	24	18.71	18.80	18.75	20.00
20	256QAM	50	50	18.65	18.81	18.64	20.00
20	256QAM	100	0	18.75	18.84	18.73	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.61	19.63	19.51	21.00
15	QPSK	1	37	19.33	19.35	19.32	21.00
15	QPSK	1	74	19.31	19.48	19.34	21.00
15	QPSK	36	0	19.48	19.54	19.45	21.00
15	QPSK	36	20	19.38	19.49	19.43	21.00
15	QPSK	36	39	19.29	19.38	19.25	21.00
15	QPSK	75	0	19.39	19.38	19.23	21.00
15	16QAM	1	0	19.39	19.55	19.39	21.00
15	16QAM	1	37	19.43	19.44	19.39	21.00
15	16QAM	1	74	19.24	19.34	19.27	21.00
15	16QAM	36	0	19.27	19.39	19.36	21.00
15	16QAM	36	20	19.43	19.48	19.32	21.00
15	16QAM	36	39	19.31	19.41	19.28	21.00
15	16QAM	75	0	19.32	19.42	19.30	21.00
15	64QAM	1	0	19.28	19.38	19.35	21.00
15	64QAM	1	37	19.34	19.34	19.23	21.00
15	64QAM	1	74	19.31	19.45	19.21	21.00
15	64QAM	36	0	19.31	19.50	19.38	21.00
15	64QAM	36	20	19.29	19.34	19.20	21.00
15	64QAM	36	39	19.27	19.44	19.34	21.00
15	64QAM	75	0	19.30	19.40	19.26	21.00
15	256QAM	1	0	18.88	18.92	18.89	20.00
15	256QAM	1	37	18.79	18.90	18.76	20.00
15	256QAM	1	74	18.80	18.94	18.90	20.00
15	256QAM	36	0	18.61	18.71	18.59	20.00
15	256QAM	36	20	18.60	18.71	18.74	20.00
15	256QAM	36	39	18.52	18.75	18.62	20.00
15	256QAM	75	0	18.73	18.77	18.68	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.53	19.63	19.56	21.00
10	QPSK	1	25	19.34	19.40	19.23	21.00
10	QPSK	1	49	19.31	19.43	19.42	21.00
10	QPSK	25	0	19.55	19.55	19.44	21.00
10	QPSK	25	12	19.33	19.44	19.46	21.00
10	QPSK	25	25	19.31	19.37	19.33	21.00
10	QPSK	50	0	19.35	19.37	19.31	21.00
10	16QAM	1	0	19.33	19.56	19.37	21.00
10	16QAM	1	25	19.43	19.44	19.40	21.00
10	16QAM	1	49	19.29	19.39	19.17	21.00
10	16QAM	25	0	19.33	19.34	19.28	21.00



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10	16QAM	25	12	19.37	19.54	19.45	21.00
10	16QAM	25	25	19.25	19.38	19.30	21.00
10	16QAM	50	0	19.23	19.48	19.33	21.00
10	64QAM	1	0	19.21	19.35	19.35	21.00
10	64QAM	1	25	19.38	19.34	19.19	21.00
10	64QAM	1	49	19.37	19.47	19.20	21.00
10	64QAM	25	0	19.36	19.51	19.43	21.00
10	64QAM	25	12	19.22	19.31	19.23	21.00
10	64QAM	25	25	19.25	19.49	19.41	21.00
10	64QAM	50	0	19.22	19.29	19.30	21.00
10	256QAM	1	0	18.89	18.84	18.84	20.00
10	256QAM	1	25	18.70	18.92	18.66	20.00
10	256QAM	1	49	18.73	18.96	18.89	20.00
10	256QAM	25	0	18.65	18.72	18.67	20.00
10	256QAM	25	12	18.59	18.68	18.60	20.00
10	256QAM	25	25	18.58	18.76	18.63	20.00
10	256QAM	50	0	18.65	18.70	18.70	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.62	19.59	19.50	21.00
5	QPSK	1	12	19.32	19.46	19.21	21.00
5	QPSK	1	24	19.35	19.48	19.45	21.00
5	QPSK	12	0	19.54	19.57	19.46	21.00
5	QPSK	12	7	19.30	19.53	19.48	21.00
5	QPSK	12	13	19.27	19.35	19.26	21.00
5	QPSK	25	0	19.42	19.38	19.23	21.00
5	16QAM	1	0	19.35	19.42	19.34	21.00
5	16QAM	1	12	19.42	19.44	19.32	21.00
5	16QAM	1	24	19.27	19.35	19.25	21.00
5	16QAM	12	0	19.27	19.41	19.33	21.00
5	16QAM	12	7	19.44	19.42	19.42	21.00
5	16QAM	12	13	19.23	19.29	19.23	21.00
5	16QAM	25	0	19.23	19.38	19.28	21.00
5	64QAM	1	0	19.22	19.39	19.30	21.00
5	64QAM	1	12	19.32	19.35	19.28	21.00
5	64QAM	1	24	19.39	19.44	19.18	21.00
5	64QAM	12	0	19.36	19.45	19.36	21.00
5	64QAM	12	7	19.24	19.38	19.32	21.00
5	64QAM	12	13	19.26	19.43	19.33	21.00
5	64QAM	25	0	19.23	19.41	19.34	21.00
5	256QAM	1	0	18.76	18.86	18.84	20.00
5	256QAM	1	12	18.81	18.92	18.72	20.00
5	256QAM	1	24	18.71	18.90	18.92	20.00
5	256QAM	12	0	18.58	18.76	18.67	20.00
5	256QAM	12	7	18.57	18.73	18.72	20.00
5	256QAM	12	13	18.62	18.72	18.61	20.00
5	256QAM	25	0	18.66	18.76	18.65	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.65	19.52	19.58	21.00
3	QPSK	1	8	19.40	19.47	19.28	21.00
3	QPSK	1	14	19.39	19.44	19.36	21.00
3	QPSK	8	0	19.48	19.51	19.54	21.00
3	QPSK	8	4	19.30	19.51	19.46	21.00
3	QPSK	8	7	19.35	19.32	19.24	21.00
3	QPSK	15	0	19.44	19.39	19.29	21.00
3	16QAM	1	0	19.39	19.44	19.34	21.00
3	16QAM	1	8	19.42	19.50	19.34	21.00
3	16QAM	1	14	19.32	19.39	19.27	21.00
3	16QAM	8	0	19.38	19.33	19.27	21.00
3	16QAM	8	4	19.42	19.49	19.39	21.00
3	16QAM	8	7	19.32	19.28	19.19	21.00
3	16QAM	15	0	19.24	19.39	19.33	21.00
3	64QAM	1	0	19.16	19.40	19.32	21.00
3	64QAM	1	8	19.29	19.40	19.27	21.00
3	64QAM	1	14	19.39	19.41	19.19	21.00
3	64QAM	8	0	19.31	19.41	19.37	21.00
3	64QAM	8	4	19.30	19.36	19.27	21.00
3	64QAM	8	7	19.39	19.46	19.40	21.00
3	64QAM	15	0	19.28	19.37	19.33	21.00
3	256QAM	1	0	18.80	18.83	18.86	20.00
3	256QAM	1	8	18.79	18.91	18.72	20.00
3	256QAM	1	14	18.70	18.96	18.82	20.00
3	256QAM	8	0	18.61	18.64	18.64	20.00
3	256QAM	8	4	18.60	18.70	18.65	20.00
3	256QAM	8	7	18.60	18.76	18.60	20.00
3	256QAM	15	0	18.66	18.81	18.64	20.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	19.58	19.60	19.54	21.00
1.4	QPSK	1	3	19.29	19.45	19.34	21.00
1.4	QPSK	1	5	19.35	19.42	19.41	21.00
1.4	QPSK	3	0	19.59	19.53	19.52	21.00
1.4	QPSK	3	1	19.32	19.44	19.45	21.00
1.4	QPSK	3	3	19.33	19.38	19.33	21.00
1.4	QPSK	6	0	19.34	19.45	19.22	21.00
1.4	16QAM	1	0	19.33	19.55	19.38	21.00
1.4	16QAM	1	3	19.42	19.49	19.38	21.00
1.4	16QAM	1	5	19.26	19.34	19.18	21.00
1.4	16QAM	3	0	19.31	19.40	19.29	21.00
1.4	16QAM	3	1	19.43	19.41	19.46	21.00
1.4	16QAM	3	3	19.29	19.33	19.22	21.00
1.4	16QAM	6	0	19.34	19.47	19.31	21.00
1.4	64QAM	1	0	19.20	19.34	19.27	21.00
1.4	64QAM	1	3	19.35	19.32	19.21	21.00
1.4	64QAM	1	5	19.34	19.45	19.19	21.00
1.4	64QAM	3	0	19.42	19.43	19.34	21.00
1.4	64QAM	3	1	19.27	19.36	19.20	21.00
1.4	64QAM	3	3	19.37	19.42	19.31	21.00
1.4	64QAM	6	0	19.31	19.33	19.35	21.00
1.4	256QAM	1	0	18.78	18.84	18.82	20.00
1.4	256QAM	1	3	18.77	18.84	18.75	20.00
1.4	256QAM	1	5	18.71	18.87	18.78	20.00
1.4	256QAM	3	0	18.61	18.71	18.68	20.00
1.4	256QAM	3	1	18.62	18.76	18.66	20.00
1.4	256QAM	3	3	18.62	18.72	18.50	20.00
1.4	256QAM	6	0	8.70	8.72	8.58	10.00

【LTE Band 25_Ant 4_ECI4】

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	19.66	19.67	19.65	21.00
20	QPSK	1	49	19.42	19.49	19.35	21.00
20	QPSK	1	99	19.42	19.55	19.49	21.00
20	QPSK	50	0	19.61	19.63	19.59	21.00
20	QPSK	50	24	19.41	19.55	19.50	21.00
20	QPSK	50	50	19.39	19.42	19.35	21.00
20	QPSK	100	0	19.46	19.50	19.36	21.00
20	16QAM	1	0	19.46	19.57	19.41	21.00
20	16QAM	1	49	19.47	19.55	19.42	21.00
20	16QAM	1	99	19.33	19.42	19.28	21.00
20	16QAM	50	0	19.41	19.47	19.40	21.00
20	16QAM	50	24	19.52	19.55	19.47	21.00
20	16QAM	50	50	19.35	19.42	19.33	21.00
20	16QAM	100	0	19.37	19.51	19.38	21.00
20	64QAM	1	0	19.29	19.44	19.41	21.00
20	64QAM	1	49	19.43	19.47	19.32	21.00
20	64QAM	1	99	19.40	19.49	19.33	21.00
20	64QAM	50	0	19.44	19.53	19.48	21.00
20	64QAM	50	24	19.35	19.42	19.35	21.00
20	64QAM	50	50	19.40	19.52	19.43	21.00
20	64QAM	100	0	19.36	19.44	19.40	21.00
20	256QAM	1	0	18.90	18.97	18.92	20.00
20	256QAM	1	49	18.82	18.94	18.80	20.00
20	256QAM	1	99	18.83	18.99	18.93	20.00
20	256QAM	50	0	18.73	18.77	18.71	20.00
20	256QAM	50	24	18.71	18.80	18.75	20.00
20	256QAM	50	50	18.65	18.81	18.64	20.00
20	256QAM	100	0	18.75	18.84	18.73	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.61	19.63	19.51	21.00
15	QPSK	1	37	19.33	19.35	19.32	21.00
15	QPSK	1	74	19.31	19.48	19.34	21.00
15	QPSK	36	0	19.48	19.54	19.45	21.00
15	QPSK	36	20	19.38	19.49	19.43	21.00
15	QPSK	36	39	19.29	19.38	19.25	21.00
15	QPSK	75	0	19.39	19.38	19.23	21.00



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15	16QAM	1	0	19.39	19.55	19.39	21.00
15	16QAM	1	37	19.43	19.44	19.39	21.00
15	16QAM	1	74	19.24	19.34	19.27	21.00
15	16QAM	36	0	19.27	19.39	19.36	21.00
15	16QAM	36	20	19.43	19.48	19.32	21.00
15	16QAM	36	39	19.31	19.41	19.28	21.00
15	16QAM	75	0	19.32	19.42	19.30	21.00
15	64QAM	1	0	19.28	19.38	19.35	21.00
15	64QAM	1	37	19.34	19.34	19.23	21.00
15	64QAM	1	74	19.31	19.45	19.21	21.00
15	64QAM	36	0	19.31	19.50	19.38	21.00
15	64QAM	36	20	19.29	19.34	19.20	21.00
15	64QAM	36	39	19.27	19.44	19.34	21.00
15	64QAM	75	0	19.30	19.40	19.26	21.00
15	256QAM	1	0	18.88	18.92	18.89	20.00
15	256QAM	1	37	18.79	18.90	18.76	20.00
15	256QAM	1	74	18.80	18.94	18.90	20.00
15	256QAM	36	0	18.61	18.71	18.59	20.00
15	256QAM	36	20	18.60	18.71	18.74	20.00
15	256QAM	36	39	18.52	18.75	18.62	20.00
15	256QAM	75	0	18.73	18.77	18.68	20.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	19.53	19.63	19.56	21.00
10	QPSK	1	25	19.34	19.40	19.23	21.00
10	QPSK	1	49	19.31	19.43	19.42	21.00
10	QPSK	25	0	19.55	19.55	19.44	21.00
10	QPSK	25	12	19.33	19.44	19.46	21.00
10	QPSK	25	25	19.31	19.37	19.33	21.00
10	QPSK	50	0	19.35	19.37	19.31	21.00
10	16QAM	1	0	19.33	19.56	19.37	21.00
10	16QAM	1	25	19.43	19.44	19.40	21.00
10	16QAM	1	49	19.29	19.39	19.17	21.00
10	16QAM	25	0	19.33	19.34	19.28	21.00
10	16QAM	25	12	19.37	19.54	19.45	21.00
10	16QAM	25	25	19.25	19.38	19.30	21.00
10	16QAM	50	0	19.23	19.48	19.33	21.00
10	64QAM	1	0	19.21	19.35	19.35	21.00
10	64QAM	1	25	19.38	19.34	19.19	21.00
10	64QAM	1	49	19.37	19.47	19.20	21.00
10	64QAM	25	0	19.36	19.51	19.43	21.00
10	64QAM	25	12	19.22	19.31	19.23	21.00
10	64QAM	25	25	19.25	19.49	19.41	21.00
10	64QAM	50	0	19.22	19.29	19.30	21.00
10	256QAM	1	0	18.89	18.84	18.84	20.00
10	256QAM	1	25	18.70	18.92	18.66	20.00
10	256QAM	1	49	18.73	18.96	18.89	20.00
10	256QAM	25	0	18.65	18.72	18.67	20.00
10	256QAM	25	12	18.59	18.68	18.60	20.00
10	256QAM	25	25	18.58	18.76	18.63	20.00
10	256QAM	50	0	18.65	18.70	18.70	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.62	19.59	19.50	21.00
5	QPSK	1	12	19.32	19.46	19.21	21.00
5	QPSK	1	24	19.35	19.48	19.45	21.00
5	QPSK	12	0	19.54	19.57	19.46	21.00
5	QPSK	12	7	19.30	19.53	19.48	21.00
5	QPSK	12	13	19.27	19.35	19.26	21.00
5	QPSK	25	0	19.42	19.38	19.23	21.00
5	16QAM	1	0	19.35	19.42	19.34	21.00
5	16QAM	1	12	19.42	19.44	19.32	21.00
5	16QAM	1	24	19.27	19.35	19.25	21.00
5	16QAM	12	0	19.27	19.41	19.33	21.00
5	16QAM	12	7	19.44	19.42	19.42	21.00
5	16QAM	12	13	19.23	19.29	19.23	21.00
5	16QAM	25	0	19.23	19.38	19.28	21.00
5	64QAM	1	0	19.22	19.39	19.30	21.00
5	64QAM	1	12	19.32	19.35	19.28	21.00
5	64QAM	1	24	19.39	19.44	19.18	21.00
5	64QAM	12	0	19.36	19.45	19.36	21.00
5	64QAM	12	7	19.24	19.38	19.32	21.00
5	64QAM	12	13	19.26	19.43	19.33	21.00
5	64QAM	25	0	19.23	19.41	19.34	21.00
5	256QAM	1	0	18.76	18.86	18.84	20.00
5	256QAM	1	12	18.81	18.92	18.72	20.00
5	256QAM	1	24	18.71	18.90	18.92	20.00
5	256QAM	12	0	18.58	18.76	18.67	20.00



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5	256QAM	12	7	18.57	18.73	18.72	20.00
5	256QAM	12	13	18.62	18.72	18.61	20.00
5	256QAM	25	0	18.66	18.76	18.65	20.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	19.65	19.52	19.58	21.00
3	QPSK	1	8	19.40	19.47	19.28	21.00
3	QPSK	1	14	19.39	19.44	19.36	21.00
3	QPSK	8	0	19.48	19.51	19.54	21.00
3	QPSK	8	4	19.30	19.51	19.46	21.00
3	QPSK	8	7	19.35	19.32	19.24	21.00
3	QPSK	15	0	19.44	19.39	19.29	21.00
3	16QAM	1	0	19.39	19.44	19.34	21.00
3	16QAM	1	8	19.42	19.50	19.34	21.00
3	16QAM	1	14	19.32	19.39	19.27	21.00
3	16QAM	8	0	19.38	19.33	19.27	21.00
3	16QAM	8	4	19.42	19.49	19.39	21.00
3	16QAM	8	7	19.32	19.28	19.19	21.00
3	16QAM	15	0	19.24	19.39	19.33	21.00
3	64QAM	1	0	19.16	19.40	19.32	21.00
3	64QAM	1	8	19.29	19.40	19.27	21.00
3	64QAM	1	14	19.39	19.41	19.19	21.00
3	64QAM	8	0	19.31	19.41	19.37	21.00
3	64QAM	8	4	19.30	19.36	19.27	21.00
3	64QAM	8	7	19.39	19.46	19.40	21.00
3	64QAM	15	0	19.28	19.37	19.33	21.00
3	256QAM	1	0	18.80	18.83	18.86	20.00
3	256QAM	1	8	18.79	18.91	18.72	20.00
3	256QAM	1	14	18.70	18.96	18.82	20.00
3	256QAM	8	0	18.61	18.64	18.64	20.00
3	256QAM	8	4	18.60	18.70	18.65	20.00
3	256QAM	8	7	18.60	18.76	18.60	20.00
3	256QAM	15	0	18.66	18.81	18.64	20.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	19.58	19.60	19.54	21.00
1.4	QPSK	1	3	19.29	19.45	19.34	21.00
1.4	QPSK	1	5	19.35	19.42	19.41	21.00
1.4	QPSK	3	0	19.59	19.53	19.52	21.00
1.4	QPSK	3	1	19.32	19.44	19.45	21.00
1.4	QPSK	3	3	19.33	19.38	19.33	21.00
1.4	QPSK	6	0	19.34	19.45	19.22	21.00
1.4	16QAM	1	0	19.33	19.55	19.38	21.00
1.4	16QAM	1	3	19.42	19.49	19.38	21.00
1.4	16QAM	1	5	19.26	19.34	19.18	21.00
1.4	16QAM	3	0	19.31	19.40	19.29	21.00
1.4	16QAM	3	1	19.43	19.41	19.46	21.00
1.4	16QAM	3	3	19.29	19.33	19.22	21.00
1.4	16QAM	6	0	19.34	19.47	19.31	21.00
1.4	64QAM	1	0	19.20	19.34	19.27	21.00
1.4	64QAM	1	3	19.35	19.32	19.21	21.00
1.4	64QAM	1	5	19.34	19.45	19.19	21.00
1.4	64QAM	3	0	19.42	19.43	19.34	21.00
1.4	64QAM	3	1	19.27	19.36	19.20	21.00
1.4	64QAM	3	3	19.37	19.42	19.31	21.00
1.4	64QAM	6	0	19.31	19.33	19.35	21.00
1.4	256QAM	1	0	18.78	18.84	18.82	20.00
1.4	256QAM	1	3	18.77	18.84	18.75	20.00
1.4	256QAM	1	5	18.71	18.87	18.78	20.00
1.4	256QAM	3	0	18.61	18.71	18.68	20.00
1.4	256QAM	3	1	18.62	18.76	18.66	20.00
1.4	256QAM	3	3	18.62	18.72	18.50	20.00
1.4	256QAM	6	0	8.70	8.72	8.58	10.00



【LTE Band 25_Ant 4_ECI5】

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	19.66	19.67	19.65	21.00
20	QPSK	1	49	19.42	19.49	19.35	21.00
20	QPSK	1	99	19.42	19.55	19.49	21.00
20	QPSK	50	0	19.61	19.63	19.59	21.00
20	QPSK	50	24	19.41	19.55	19.50	21.00
20	QPSK	50	50	19.39	19.42	19.35	21.00
20	QPSK	100	0	19.46	19.50	19.36	21.00
20	16QAM	1	0	19.46	19.57	19.41	21.00
20	16QAM	1	49	19.47	19.55	19.42	21.00
20	16QAM	1	99	19.33	19.42	19.28	21.00
20	16QAM	50	0	19.41	19.47	19.40	21.00
20	16QAM	50	24	19.52	19.55	19.47	21.00
20	16QAM	50	50	19.35	19.42	19.33	21.00
20	16QAM	100	0	19.37	19.51	19.38	21.00
20	64QAM	1	0	19.29	19.44	19.41	21.00
20	64QAM	1	49	19.43	19.47	19.32	21.00
20	64QAM	1	99	19.40	19.49	19.33	21.00
20	64QAM	50	0	19.44	19.53	19.48	21.00
20	64QAM	50	24	19.35	19.42	19.35	21.00
20	64QAM	50	50	19.40	19.52	19.43	21.00
20	64QAM	100	0	19.36	19.44	19.40	21.00
20	256QAM	1	0	18.90	18.97	18.92	20.00
20	256QAM	1	49	18.82	18.94	18.80	20.00
20	256QAM	1	99	18.83	18.99	18.93	20.00
20	256QAM	50	0	18.73	18.77	18.71	20.00
20	256QAM	50	24	18.71	18.80	18.75	20.00
20	256QAM	50	50	18.65	18.81	18.64	20.00
20	256QAM	100	0	18.75	18.84	18.73	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.61	19.63	19.51	21.00
15	QPSK	1	37	19.33	19.35	19.32	21.00
15	QPSK	1	74	19.31	19.48	19.34	21.00
15	QPSK	36	0	19.48	19.54	19.45	21.00
15	QPSK	36	20	19.38	19.49	19.43	21.00
15	QPSK	36	39	19.29	19.38	19.25	21.00
15	QPSK	75	0	19.39	19.38	19.23	21.00
15	16QAM	1	0	19.39	19.55	19.39	21.00
15	16QAM	1	37	19.43	19.44	19.39	21.00
15	16QAM	1	74	19.24	19.34	19.27	21.00
15	16QAM	36	0	19.27	19.39	19.36	21.00
15	16QAM	36	20	19.43	19.48	19.32	21.00
15	16QAM	36	39	19.31	19.41	19.28	21.00
15	16QAM	75	0	19.32	19.42	19.30	21.00
15	64QAM	1	0	19.28	19.38	19.35	21.00
15	64QAM	1	37	19.34	19.34	19.23	21.00
15	64QAM	1	74	19.31	19.45	19.21	21.00
15	64QAM	36	0	19.31	19.50	19.38	21.00
15	64QAM	36	20	19.29	19.34	19.20	21.00
15	64QAM	36	39	19.27	19.44	19.34	21.00
15	64QAM	75	0	19.30	19.40	19.26	21.00
15	256QAM	1	0	18.88	18.92	18.89	20.00
15	256QAM	1	37	18.79	18.90	18.76	20.00
15	256QAM	1	74	18.80	18.94	18.90	20.00
15	256QAM	36	0	18.61	18.71	18.59	20.00
15	256QAM	36	20	18.60	18.71	18.74	20.00
15	256QAM	36	39	18.52	18.75	18.62	20.00
15	256QAM	75	0	18.73	18.77	18.68	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.53	19.63	19.56	21.00
10	QPSK	1	25	19.34	19.40	19.23	21.00
10	QPSK	1	49	19.31	19.43	19.42	21.00
10	QPSK	25	0	19.55	19.55	19.44	21.00
10	QPSK	25	12	19.33	19.44	19.46	21.00
10	QPSK	25	25	19.31	19.37	19.33	21.00
10	QPSK	50	0	19.35	19.37	19.31	21.00
10	16QAM	1	0	19.33	19.56	19.37	21.00
10	16QAM	1	25	19.43	19.44	19.40	21.00
10	16QAM	1	49	19.29	19.39	19.17	21.00
10	16QAM	25	0	19.33	19.34	19.28	21.00



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10	16QAM	25	12	19.37	19.54	19.45	21.00
10	16QAM	25	25	19.25	19.38	19.30	21.00
10	16QAM	50	0	19.23	19.48	19.33	21.00
10	64QAM	1	0	19.21	19.35	19.35	21.00
10	64QAM	1	25	19.38	19.34	19.19	21.00
10	64QAM	1	49	19.37	19.47	19.20	21.00
10	64QAM	25	0	19.36	19.51	19.43	21.00
10	64QAM	25	12	19.22	19.31	19.23	21.00
10	64QAM	25	25	19.25	19.49	19.41	21.00
10	64QAM	50	0	19.22	19.29	19.30	21.00
10	256QAM	1	0	18.89	18.84	18.84	20.00
10	256QAM	1	25	18.70	18.92	18.66	20.00
10	256QAM	1	49	18.73	18.96	18.89	20.00
10	256QAM	25	0	18.65	18.72	18.67	20.00
10	256QAM	25	12	18.59	18.68	18.60	20.00
10	256QAM	25	25	18.58	18.76	18.63	20.00
10	256QAM	50	0	18.65	18.70	18.70	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	19.62	19.59	19.50	21.00
5	QPSK	1	12	19.32	19.46	19.21	21.00
5	QPSK	1	24	19.35	19.48	19.45	21.00
5	QPSK	12	0	19.54	19.57	19.46	21.00
5	QPSK	12	7	19.30	19.53	19.48	21.00
5	QPSK	12	13	19.27	19.35	19.26	21.00
5	QPSK	25	0	19.42	19.38	19.23	21.00
5	16QAM	1	0	19.35	19.42	19.34	21.00
5	16QAM	1	12	19.42	19.44	19.32	21.00
5	16QAM	1	24	19.27	19.35	19.25	21.00
5	16QAM	12	0	19.27	19.41	19.33	21.00
5	16QAM	12	7	19.44	19.42	19.42	21.00
5	16QAM	12	13	19.23	19.29	19.23	21.00
5	16QAM	25	0	19.23	19.38	19.28	21.00
5	64QAM	1	0	19.22	19.39	19.30	21.00
5	64QAM	1	12	19.32	19.35	19.28	21.00
5	64QAM	1	24	19.39	19.44	19.18	21.00
5	64QAM	12	0	19.36	19.45	19.36	21.00
5	64QAM	12	7	19.24	19.38	19.32	21.00
5	64QAM	12	13	19.26	19.43	19.33	21.00
5	64QAM	25	0	19.23	19.41	19.34	21.00
5	256QAM	1	0	18.76	18.86	18.84	20.00
5	256QAM	1	12	18.81	18.92	18.72	20.00
5	256QAM	1	24	18.71	18.90	18.92	20.00
5	256QAM	12	0	18.58	18.76	18.67	20.00
5	256QAM	12	7	18.57	18.73	18.72	20.00
5	256QAM	12	13	18.62	18.72	18.61	20.00
5	256QAM	25	0	18.66	18.76	18.65	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.65	19.52	19.58	21.00
3	QPSK	1	8	19.40	19.47	19.28	21.00
3	QPSK	1	14	19.39	19.44	19.36	21.00
3	QPSK	8	0	19.48	19.51	19.54	21.00
3	QPSK	8	4	19.30	19.51	19.46	21.00
3	QPSK	8	7	19.35	19.32	19.24	21.00
3	QPSK	15	0	19.44	19.39	19.29	21.00
3	16QAM	1	0	19.39	19.44	19.34	21.00
3	16QAM	1	8	19.42	19.50	19.34	21.00
3	16QAM	1	14	19.32	19.39	19.27	21.00
3	16QAM	8	0	19.38	19.33	19.27	21.00
3	16QAM	8	4	19.42	19.49	19.39	21.00
3	16QAM	8	7	19.32	19.28	19.19	21.00
3	16QAM	15	0	19.24	19.39	19.33	21.00
3	64QAM	1	0	19.16	19.40	19.32	21.00
3	64QAM	1	8	19.29	19.40	19.27	21.00
3	64QAM	1	14	19.39	19.41	19.19	21.00
3	64QAM	8	0	19.31	19.41	19.37	21.00
3	64QAM	8	4	19.30	19.36	19.27	21.00
3	64QAM	8	7	19.39	19.46	19.40	21.00
3	64QAM	15	0	19.28	19.37	19.33	21.00
3	256QAM	1	0	18.80	18.83	18.86	20.00
3	256QAM	1	8	18.79	18.91	18.72	20.00
3	256QAM	1	14	18.70	18.96	18.82	20.00
3	256QAM	8	0	18.61	18.64	18.64	20.00
3	256QAM	8	4	18.60	18.70	18.65	20.00
3	256QAM	8	7	18.60	18.76	18.60	20.00
3	256QAM	15	0	18.66	18.81	18.64	20.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	19.58	19.60	19.54	21.00
1.4	QPSK	1	3	19.29	19.45	19.34	21.00
1.4	QPSK	1	5	19.35	19.42	19.41	21.00
1.4	QPSK	3	0	19.59	19.53	19.52	21.00
1.4	QPSK	3	1	19.32	19.44	19.45	21.00
1.4	QPSK	3	3	19.33	19.38	19.33	21.00
1.4	QPSK	6	0	19.34	19.45	19.22	21.00
1.4	16QAM	1	0	19.33	19.55	19.38	21.00
1.4	16QAM	1	3	19.42	19.49	19.38	21.00
1.4	16QAM	1	5	19.26	19.34	19.18	21.00
1.4	16QAM	3	0	19.31	19.40	19.29	21.00
1.4	16QAM	3	1	19.43	19.41	19.46	21.00
1.4	16QAM	3	3	19.29	19.33	19.22	21.00
1.4	16QAM	6	0	19.34	19.47	19.31	21.00
1.4	64QAM	1	0	19.20	19.34	19.27	21.00
1.4	64QAM	1	3	19.35	19.32	19.21	21.00
1.4	64QAM	1	5	19.34	19.45	19.19	21.00
1.4	64QAM	3	0	19.42	19.43	19.34	21.00
1.4	64QAM	3	1	19.27	19.36	19.20	21.00
1.4	64QAM	3	3	19.37	19.42	19.31	21.00
1.4	64QAM	6	0	19.31	19.33	19.35	21.00
1.4	256QAM	1	0	18.78	18.84	18.82	20.00
1.4	256QAM	1	3	18.77	18.84	18.75	20.00
1.4	256QAM	1	5	18.71	18.87	18.78	20.00
1.4	256QAM	3	0	18.61	18.71	18.68	20.00
1.4	256QAM	3	1	18.62	18.76	18.66	20.00
1.4	256QAM	3	3	18.62	18.72	18.50	20.00
1.4	256QAM	6	0	8.70	8.72	8.58	10.00

【LTE Band 25_Ant 5_Default】

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	22.62	22.65	22.54	24.00
20	QPSK	1	49	22.47	22.53	22.34	24.00
20	QPSK	1	99	22.41	22.50	22.26	24.00
20	QPSK	50	0	21.51	21.58	21.47	23.00
20	QPSK	50	24	21.47	21.54	21.34	23.00
20	QPSK	50	50	21.39	21.52	21.34	23.00
20	QPSK	100	0	21.46	21.55	21.38	23.00
20	16QAM	1	0	21.78	21.92	21.70	23.00
20	16QAM	1	49	21.48	21.62	21.37	23.00
20	16QAM	1	99	21.75	21.81	21.60	23.00
20	16QAM	50	0	20.37	20.49	20.34	22.00
20	16QAM	50	24	20.44	20.49	20.37	22.00
20	16QAM	50	50	20.52	20.58	20.37	22.00
20	16QAM	100	0	20.49	20.57	20.34	22.00
20	64QAM	1	0	20.69	20.74	20.55	22.00
20	64QAM	1	49	20.62	20.73	20.54	22.00
20	64QAM	1	99	20.76	20.86	20.67	22.00
20	64QAM	50	0	19.43	19.58	19.34	21.00
20	64QAM	50	24	19.43	19.60	19.38	21.00
20	64QAM	50	50	19.53	19.64	19.44	21.00
20	64QAM	100	0	19.49	19.65	19.46	21.00
20	256QAM	1	0	17.68	17.72	17.57	19.00
20	256QAM	1	49	17.49	17.65	17.47	19.00
20	256QAM	1	99	17.71	17.76	17.64	19.00
20	256QAM	50	0	17.48	17.52	17.41	19.00
20	256QAM	50	24	17.41	17.58	17.42	19.00
20	256QAM	50	50	17.44	17.60	17.49	19.00
20	256QAM	100	0	17.52	17.61	17.51	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.48	22.51	22.46	24.00
15	QPSK	1	37	22.37	22.40	22.20	24.00
15	QPSK	1	74	22.33	22.40	22.25	24.00
15	QPSK	36	0	21.41	21.52	21.30	23.00
15	QPSK	36	20	21.32	21.44	21.27	23.00
15	QPSK	36	39	21.32	21.47	21.23	23.00
15	QPSK	75	0	21.37	21.53	21.34	23.00



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15	16QAM	1	0	21.72	21.91	21.66	23.00
15	16QAM	1	37	21.46	21.47	21.26	23.00
15	16QAM	1	74	21.64	21.67	21.56	23.00
15	16QAM	36	0	20.26	20.45	20.22	22.00
15	16QAM	36	20	20.43	20.37	20.24	22.00
15	16QAM	36	39	20.40	20.46	20.34	22.00
15	16QAM	75	0	20.45	20.49	20.20	22.00
15	64QAM	1	0	20.63	20.67	20.47	22.00
15	64QAM	1	37	20.48	20.63	20.52	22.00
15	64QAM	1	74	20.68	20.75	20.54	22.00
15	64QAM	36	0	19.31	19.52	19.27	21.00
15	64QAM	36	20	19.28	19.53	19.36	21.00
15	64QAM	36	39	19.46	19.61	19.40	21.00
15	64QAM	75	0	19.44	19.54	19.42	21.00
15	256QAM	1	0	17.54	17.66	17.47	19.00
15	256QAM	1	37	17.37	17.61	17.45	19.00
15	256QAM	1	74	17.68	17.69	17.62	19.00
15	256QAM	36	0	17.37	17.38	17.28	19.00
15	256QAM	36	20	17.40	17.52	17.31	19.00
15	256QAM	36	39	17.29	17.58	17.38	19.00
15	256QAM	75	0	17.49	17.48	17.49	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.58	22.63	22.49	24.00
10	QPSK	1	25	22.35	22.51	22.29	24.00
10	QPSK	1	49	22.36	22.38	22.16	24.00
10	QPSK	25	0	21.39	21.47	21.32	23.00
10	QPSK	25	12	21.34	21.40	21.31	23.00
10	QPSK	25	25	21.36	21.51	21.29	23.00
10	QPSK	50	0	21.35	21.50	21.37	23.00
10	16QAM	1	0	21.75	21.89	21.57	23.00
10	16QAM	1	25	21.42	21.53	21.34	23.00
10	16QAM	1	49	21.66	21.74	21.58	23.00
10	16QAM	25	0	20.26	20.45	20.24	22.00
10	16QAM	25	12	20.39	20.44	20.35	22.00
10	16QAM	25	25	20.46	20.47	20.26	22.00
10	16QAM	50	0	20.44	20.54	20.32	22.00
10	64QAM	1	0	20.62	20.64	20.45	22.00
10	64QAM	1	25	20.50	20.70	20.52	22.00
10	64QAM	1	49	20.72	20.77	20.53	22.00
10	64QAM	25	0	19.39	19.53	19.20	21.00
10	64QAM	25	12	19.35	19.46	19.32	21.00
10	64QAM	25	25	19.49	19.56	19.41	21.00
10	64QAM	50	0	19.36	19.56	19.33	21.00
10	256QAM	1	0	17.63	17.69	17.53	19.00
10	256QAM	1	25	17.44	17.58	17.39	19.00
10	256QAM	1	49	17.60	17.63	17.57	19.00
10	256QAM	25	0	17.45	17.38	17.34	19.00
10	256QAM	25	12	17.35	17.54	17.31	19.00
10	256QAM	25	25	17.37	17.58	17.37	19.00
10	256QAM	50	0	17.44	17.56	17.49	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.52	22.55	22.50	24.00
5	QPSK	1	12	22.35	22.44	22.26	24.00
5	QPSK	1	24	22.31	22.44	22.18	24.00
5	QPSK	12	0	21.37	21.46	21.24	23.00
5	QPSK	12	7	21.38	21.50	21.32	23.00
5	QPSK	12	13	21.31	21.47	21.29	23.00
5	QPSK	25	0	21.33	21.52	21.33	23.00
5	16QAM	1	0	21.66	21.82	21.64	23.00
5	16QAM	1	12	21.43	21.59	21.28	23.00
5	16QAM	1	24	21.71	21.68	21.57	23.00
5	16QAM	12	0	20.24	20.44	20.29	22.00
5	16QAM	12	7	20.30	20.41	20.26	22.00
5	16QAM	12	13	20.51	20.50	20.33	22.00
5	16QAM	25	0	20.46	20.53	20.27	22.00
5	64QAM	1	0	20.60	20.68	20.50	22.00
5	64QAM	1	12	20.49	20.61	20.41	22.00
5	64QAM	1	24	20.72	20.78	20.54	22.00
5	64QAM	12	0	19.34	19.52	19.20	21.00
5	64QAM	12	7	19.42	19.54	19.27	21.00
5	64QAM	12	13	19.50	19.55	19.40	21.00
5	64QAM	25	0	19.36	19.51	19.34	21.00
5	256QAM	1	0	17.60	17.63	17.56	19.00
5	256QAM	1	12	17.42	17.55	17.34	19.00
5	256QAM	1	24	17.66	17.68	17.56	19.00
5	256QAM	12	0	17.36	17.48	17.33	19.00



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5	256QAM	12	7	17.32	17.57	17.35	19.00
5	256QAM	12	13	17.38	17.51	17.47	19.00
5	256QAM	25	0	17.47	17.54	17.49	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.55	22.57	22.52	24.00
3	QPSK	1	8	22.32	22.39	22.30	24.00
3	QPSK	1	14	22.30	22.42	22.20	24.00
3	QPSK	8	0	21.38	21.48	21.29	23.00
3	QPSK	8	4	21.39	21.45	21.33	23.00
3	QPSK	8	7	21.26	21.40	21.24	23.00
3	QPSK	15	0	21.37	21.43	21.35	23.00
3	16QAM	1	0	21.63	21.90	21.68	23.00
3	16QAM	1	8	21.35	21.54	21.33	23.00
3	16QAM	1	14	21.63	21.79	21.58	23.00
3	16QAM	8	0	20.28	20.46	20.32	22.00
3	16QAM	8	4	20.40	20.40	20.25	22.00
3	16QAM	8	7	20.40	20.43	20.35	22.00
3	16QAM	15	0	20.40	20.50	20.28	22.00
3	64QAM	1	0	20.57	20.65	20.44	22.00
3	64QAM	1	8	20.56	20.65	20.40	22.00
3	64QAM	1	14	20.68	20.77	20.55	22.00
3	64QAM	8	0	19.29	19.46	19.23	21.00
3	64QAM	8	4	19.35	19.57	19.34	21.00
3	64QAM	8	7	19.47	19.57	19.37	21.00
3	64QAM	15	0	19.37	19.51	19.32	21.00
3	256QAM	1	0	17.61	17.65	17.46	19.00
3	256QAM	1	8	17.45	17.56	17.37	19.00
3	256QAM	1	14	17.66	17.68	17.59	19.00
3	256QAM	8	0	17.36	17.40	17.29	19.00
3	256QAM	8	4	17.32	17.52	17.40	19.00
3	256QAM	8	7	17.35	17.47	17.35	19.00
3	256QAM	15	0	17.43	17.55	17.45	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	22.54	22.62	22.50	24.00
1.4	QPSK	1	3	22.32	22.43	22.28	24.00
1.4	QPSK	1	5	22.39	22.40	22.16	24.00
1.4	QPSK	3	0	22.37	22.44	22.25	24.00
1.4	QPSK	3	1	22.41	22.52	22.32	24.00
1.4	QPSK	3	3	22.28	22.41	22.28	24.00
1.4	QPSK	6	0	21.42	21.45	21.34	23.00
1.4	16QAM	1	0	21.63	21.87	21.67	23.00
1.4	16QAM	1	3	21.43	21.57	21.31	23.00
1.4	16QAM	1	5	21.66	21.69	21.57	23.00
1.4	16QAM	3	0	21.34	21.48	21.24	23.00
1.4	16QAM	3	1	21.35	21.36	21.34	23.00
1.4	16QAM	3	3	21.48	21.53	21.24	23.00
1.4	16QAM	6	0	20.35	20.46	20.31	22.00
1.4	64QAM	1	0	20.60	20.68	20.45	22.00
1.4	64QAM	1	3	20.55	20.69	20.44	22.00
1.4	64QAM	1	5	20.70	20.81	20.55	22.00
1.4	64QAM	3	0	20.42	20.55	20.22	22.00
1.4	64QAM	3	1	20.42	20.46	20.27	22.00
1.4	64QAM	3	3	20.47	20.60	20.41	22.00
1.4	64QAM	6	0	19.41	19.59	19.32	21.00
1.4	256QAM	1	0	17.62	17.66	17.46	19.00
1.4	256QAM	1	3	17.40	17.55	17.35	19.00
1.4	256QAM	1	5	17.68	17.72	17.61	19.00
1.4	256QAM	3	0	17.43	17.43	17.40	19.00
1.4	256QAM	3	1	17.33	17.44	17.27	19.00
1.4	256QAM	3	3	17.41	17.52	17.37	19.00
1.4	256QAM	6	0	17.43	17.51	17.44	19.00



【LTE Band 25_Ant 5_ECI1】

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	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.07	17.12	17.05	18.50
20	QPSK	1	49	16.87	17.06	16.91	18.50
20	QPSK	1	99	16.83	17.01	16.83	18.50
20	QPSK	50	0	17.00	17.08	16.98	18.50
20	QPSK	50	24	16.91	16.99	16.90	18.50
20	QPSK	50	50	16.91	17.05	16.84	18.50
20	QPSK	100	0	16.95	17.01	16.85	18.50
20	16QAM	1	0	16.78	16.96	16.75	18.50
20	16QAM	1	49	16.80	16.98	16.83	18.50
20	16QAM	1	99	16.73	16.92	16.77	18.50
20	16QAM	50	0	16.82	16.97	16.84	18.50
20	16QAM	50	24	16.84	16.93	16.79	18.50
20	16QAM	50	50	16.85	16.92	16.80	18.50
20	16QAM	100	0	16.89	16.98	16.83	18.50
20	64QAM	1	0	16.76	16.95	16.81	18.50
20	64QAM	1	49	16.92	16.99	16.82	18.50
20	64QAM	1	99	16.77	16.93	16.77	18.50
20	64QAM	50	0	16.74	16.91	16.71	18.50
20	64QAM	50	24	16.80	16.94	16.80	18.50
20	64QAM	50	50	16.78	16.98	16.79	18.50
20	64QAM	100	0	16.75	16.93	16.78	18.50
20	256QAM	1	0	16.83	16.98	16.76	18.50
20	256QAM	1	49	16.77	16.89	16.80	18.50
20	256QAM	1	99	16.73	16.87	16.76	18.50
20	256QAM	50	0	16.64	16.81	16.69	18.50
20	256QAM	50	24	16.72	16.88	16.74	18.50
20	256QAM	50	50	16.88	16.95	16.75	18.50
20	256QAM	100	0	16.78	16.89	16.70	18.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.01	17.06	16.93	18.50
15	QPSK	1	37	16.76	16.92	16.85	18.50
15	QPSK	1	74	16.72	16.88	16.78	18.50
15	QPSK	36	0	16.92	16.97	16.88	18.50
15	QPSK	36	20	16.84	16.97	16.88	18.50
15	QPSK	36	39	16.88	16.95	16.79	18.50
15	QPSK	75	0	16.93	16.91	16.73	18.50
15	16QAM	1	0	16.67	16.92	16.73	18.50
15	16QAM	1	37	16.70	16.85	16.76	18.50
15	16QAM	1	74	16.63	16.82	16.66	18.50
15	16QAM	36	0	16.80	16.88	16.81	18.50
15	16QAM	36	20	16.79	16.81	16.64	18.50
15	16QAM	36	39	16.83	16.87	16.74	18.50
15	16QAM	75	0	16.82	16.89	16.73	18.50
15	64QAM	1	0	16.74	16.86	16.70	18.50
15	64QAM	1	37	16.78	16.93	16.70	18.50
15	64QAM	1	74	16.74	16.84	16.63	18.50
15	64QAM	36	0	16.62	16.82	16.60	18.50
15	64QAM	36	20	16.74	16.89	16.76	18.50
15	64QAM	36	39	16.68	16.84	16.70	18.50
15	64QAM	75	0	16.71	16.84	16.69	18.50
15	256QAM	1	0	16.80	16.91	16.72	18.50
15	256QAM	1	37	16.71	16.77	16.72	18.50
15	256QAM	1	74	16.58	16.76	16.63	18.50
15	256QAM	36	0	16.53	16.69	16.56	18.50
15	256QAM	36	20	16.66	16.76	16.69	18.50
15	256QAM	36	39	16.78	16.92	16.73	18.50
15	256QAM	75	0	16.72	16.85	16.67	18.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.93	17.07	16.91	18.50
10	QPSK	1	25	16.83	17.00	16.80	18.50
10	QPSK	1	49	16.79	16.89	16.69	18.50
10	QPSK	25	0	16.98	17.04	16.87	18.50
10	QPSK	25	12	16.84	16.86	16.86	18.50
10	QPSK	25	25	16.79	17.00	16.78	18.50
10	QPSK	50	0	16.83	16.93	16.73	18.50
10	16QAM	1	0	16.72	16.94	16.63	18.50
10	16QAM	1	25	16.78	16.91	16.72	18.50
10	16QAM	1	49	16.62	16.82	16.72	18.50
10	16QAM	25	0	16.78	16.95	16.82	18.50



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10	16QAM	25	12	16.70	16.83	16.74	18.50
10	16QAM	25	25	16.81	16.80	16.67	18.50
10	16QAM	50	0	16.80	16.85	16.77	18.50
10	64QAM	1	0	16.68	16.88	16.74	18.50
10	64QAM	1	25	16.90	16.85	16.74	18.50
10	64QAM	1	49	16.73	16.89	16.65	18.50
10	64QAM	25	0	16.62	16.79	16.70	18.50
10	64QAM	25	12	16.65	16.79	16.77	18.50
10	64QAM	25	25	16.71	16.87	16.77	18.50
10	64QAM	50	0	16.73	16.88	16.64	18.50
10	256QAM	1	0	16.77	16.84	16.75	18.50
10	256QAM	1	25	16.66	16.80	16.72	18.50
10	256QAM	1	49	16.60	16.80	16.69	18.50
10	256QAM	25	0	16.63	16.71	16.62	18.50
10	256QAM	25	12	16.69	16.83	16.70	18.50
10	256QAM	25	25	16.78	16.87	16.68	18.50
10	256QAM	50	0	16.76	16.86	16.65	18.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.94	17.08	16.97	18.50
5	QPSK	1	12	16.84	16.95	16.83	18.50
5	QPSK	1	24	16.78	16.86	16.72	18.50
5	QPSK	12	0	16.95	17.04	16.75	18.50
5	QPSK	12	7	16.85	16.92	16.79	18.50
5	QPSK	12	13	16.82	16.91	16.80	18.50
5	QPSK	25	0	16.94	16.93	16.71	18.50
5	16QAM	1	0	16.65	16.84	16.74	18.50
5	16QAM	1	12	16.67	16.96	16.75	18.50
5	16QAM	1	24	16.60	16.87	16.65	18.50
5	16QAM	12	0	16.79	16.90	16.82	18.50
5	16QAM	12	7	16.72	16.78	16.77	18.50
5	16QAM	12	13	16.71	16.79	16.72	18.50
5	16QAM	25	0	16.86	16.94	16.78	18.50
5	64QAM	1	0	16.68	16.84	16.70	18.50
5	64QAM	1	12	16.81	16.85	16.71	18.50
5	64QAM	1	24	16.62	16.78	16.64	18.50
5	64QAM	12	0	16.72	16.84	16.63	18.50
5	64QAM	12	7	16.77	16.86	16.67	18.50
5	64QAM	12	13	16.71	16.84	16.71	18.50
5	64QAM	25	0	16.60	16.85	16.72	18.50
5	256QAM	1	0	16.79	16.88	16.63	18.50
5	256QAM	1	12	16.63	16.76	16.69	18.50
5	256QAM	1	24	16.65	16.84	16.71	18.50
5	256QAM	12	0	16.51	16.79	16.64	18.50
5	256QAM	12	7	16.66	16.85	16.61	18.50
5	256QAM	12	13	16.74	16.81	16.65	18.50
5	256QAM	25	0	16.68	16.76	16.64	18.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	16.94	17.01	16.93	18.50
3	QPSK	1	8	16.79	16.94	16.82	18.50
3	QPSK	1	14	16.75	16.99	16.76	18.50
3	QPSK	8	0	16.87	17.02	16.77	18.50
3	QPSK	8	4	16.76	16.97	16.81	18.50
3	QPSK	8	7	16.79	16.97	16.72	18.50
3	QPSK	15	0	16.87	16.88	16.74	18.50
3	16QAM	1	0	16.75	16.93	16.66	18.50
3	16QAM	1	8	16.70	16.92	16.75	18.50
3	16QAM	1	14	16.71	16.84	16.70	18.50
3	16QAM	8	0	16.77	16.90	16.80	18.50
3	16QAM	8	4	16.72	16.88	16.67	18.50
3	16QAM	8	7	16.83	16.81	16.66	18.50
3	16QAM	15	0	16.80	16.89	16.75	18.50
3	64QAM	1	0	16.70	16.85	16.76	18.50
3	64QAM	1	8	16.85	16.87	16.77	18.50
3	64QAM	1	14	16.73	16.82	16.64	18.50
3	64QAM	8	0	16.65	16.83	16.69	18.50
3	64QAM	8	4	16.68	16.89	16.78	18.50
3	64QAM	8	7	16.71	16.90	16.66	18.50
3	64QAM	15	0	16.60	16.82	16.72	18.50
3	256QAM	1	0	16.70	16.86	16.65	18.50
3	256QAM	1	8	16.75	16.84	16.76	18.50
3	256QAM	1	14	16.71	16.84	16.66	18.50
3	256QAM	8	0	16.54	16.77	16.61	18.50
3	256QAM	8	4	16.60	16.83	16.65	18.50
3	256QAM	8	7	16.82	16.88	16.73	18.50
3	256QAM	15	0	16.68	16.87	16.57	18.50
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	16.98	16.99	16.94	18.50
1.4	QPSK	1	3	16.81	16.91	16.82	18.50
1.4	QPSK	1	5	16.81	16.89	16.70	18.50
1.4	QPSK	3	0	16.91	17.06	16.79	18.50
1.4	QPSK	3	1	16.79	16.90	16.85	18.50
1.4	QPSK	3	3	16.78	16.94	16.78	18.50
1.4	QPSK	6	0	16.82	16.92	16.74	18.50
1.4	16QAM	1	0	16.74	16.94	16.68	18.50
1.4	16QAM	1	3	16.69	16.88	16.76	18.50
1.4	16QAM	1	5	16.68	16.88	16.74	18.50
1.4	16QAM	3	0	16.75	16.94	16.74	18.50
1.4	16QAM	3	1	16.72	16.89	16.70	18.50
1.4	16QAM	3	3	16.71	16.89	16.77	18.50
1.4	16QAM	6	0	16.81	16.83	16.74	18.50
1.4	64QAM	1	0	16.73	16.86	16.68	18.50
1.4	64QAM	1	3	16.81	16.93	16.76	18.50
1.4	64QAM	1	5	16.73	16.91	16.66	18.50
1.4	64QAM	3	0	16.64	16.86	16.66	18.50
1.4	64QAM	3	1	16.70	16.87	16.67	18.50
1.4	64QAM	3	3	16.69	16.86	16.65	18.50
1.4	64QAM	6	0	16.64	16.90	16.66	18.50
1.4	256QAM	1	0	16.74	16.95	16.72	18.50
1.4	256QAM	1	3	16.71	16.88	16.79	18.50
1.4	256QAM	1	5	16.66	16.78	16.65	18.50
1.4	256QAM	3	0	16.50	16.73	16.59	18.50
1.4	256QAM	3	1	16.68	16.80	16.66	18.50
1.4	256QAM	3	3	16.78	16.90	16.66	18.50
1.4	256QAM	6	0	16.68	16.77	16.61	18.50

【LTE Band 25_Ant 5_ECI3】

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	18.76	18.78	18.74	20.00
20	QPSK	1	49	18.25	18.47	18.35	20.00
20	QPSK	1	99	18.34	18.55	18.37	20.00
20	QPSK	50	0	18.69	18.76	18.73	20.00
20	QPSK	50	24	18.27	18.44	18.22	20.00
20	QPSK	50	50	18.27	18.50	18.36	20.00
20	QPSK	100	0	18.67	18.69	18.65	20.00
20	16QAM	1	0	18.24	18.48	18.38	20.00
20	16QAM	1	49	18.24	18.45	18.34	20.00
20	16QAM	1	99	18.29	18.52	18.36	20.00
20	16QAM	50	0	18.23	18.46	18.30	20.00
20	16QAM	50	24	18.26	18.50	18.35	20.00
20	16QAM	50	50	18.20	18.42	18.31	20.00
20	16QAM	100	0	18.34	18.46	18.27	20.00
20	64QAM	1	0	18.30	18.42	18.29	20.00
20	64QAM	1	49	18.39	18.51	18.35	20.00
20	64QAM	1	99	18.34	18.47	18.35	20.00
20	64QAM	50	0	18.25	18.43	18.24	20.00
20	64QAM	50	24	18.27	18.46	18.25	20.00
20	64QAM	50	50	18.21	18.40	18.27	20.00
20	64QAM	100	0	18.39	18.53	18.37	20.00
20	256QAM	1	0	17.68	17.72	17.57	19.00
20	256QAM	1	49	17.49	17.65	17.47	19.00
20	256QAM	1	99	17.71	17.76	17.64	19.00
20	256QAM	50	0	17.48	17.52	17.41	19.00
20	256QAM	50	24	17.41	17.58	17.42	19.00
20	256QAM	50	50	17.44	17.60	17.49	19.00
20	256QAM	100	0	17.52	17.61	17.51	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.44	18.47	18.48	20.00
15	QPSK	1	37	18.18	18.35	18.24	20.00
15	QPSK	1	74	18.25	18.49	18.32	20.00
15	QPSK	36	0	18.46	18.52	18.37	20.00
15	QPSK	36	20	18.13	18.42	18.12	20.00
15	QPSK	36	39	18.23	18.40	18.33	20.00
15	QPSK	75	0	18.51	18.44	18.43	20.00



15	16QAM	1	0	18.15	18.45	18.35	20.00
15	16QAM	1	37	18.14	18.34	18.22	20.00
15	16QAM	1	74	18.23	18.37	18.25	20.00
15	16QAM	36	0	18.17	18.37	18.18	20.00
15	16QAM	36	20	18.11	18.43	18.30	20.00
15	16QAM	36	39	18.08	18.33	18.19	20.00
15	16QAM	75	0	18.28	18.33	18.19	20.00
15	64QAM	1	0	18.17	18.30	18.18	20.00
15	64QAM	1	37	18.32	18.50	18.25	20.00
15	64QAM	1	74	18.21	18.40	18.29	20.00
15	64QAM	36	0	18.17	18.35	18.17	20.00
15	64QAM	36	20	18.22	18.35	18.12	20.00
15	64QAM	36	39	18.09	18.28	18.18	20.00
15	64QAM	75	0	18.28	18.52	18.25	20.00
15	256QAM	1	0	17.54	17.66	17.47	19.00
15	256QAM	1	37	17.37	17.61	17.45	19.00
15	256QAM	1	74	17.68	17.69	17.62	19.00
15	256QAM	36	0	17.37	17.38	17.28	19.00
15	256QAM	36	20	17.40	17.52	17.31	19.00
15	256QAM	36	39	17.29	17.58	17.38	19.00
15	256QAM	75	0	17.49	17.48	17.49	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	18.47	18.49	18.40	20.00
10	QPSK	1	25	18.15	18.45	18.32	20.00
10	QPSK	1	49	18.31	18.42	18.27	20.00
10	QPSK	25	0	18.46	18.46	18.45	20.00
10	QPSK	25	12	18.23	18.35	18.08	20.00
10	QPSK	25	25	18.18	18.45	18.22	20.00
10	QPSK	50	0	18.47	18.45	18.43	20.00
10	16QAM	1	0	18.12	18.37	18.34	20.00
10	16QAM	1	25	18.11	18.37	18.23	20.00
10	16QAM	1	49	18.15	18.43	18.33	20.00
10	16QAM	25	0	18.21	18.34	18.27	20.00
10	16QAM	25	12	18.18	18.38	18.31	20.00
10	16QAM	25	25	18.18	18.32	18.23	20.00
10	16QAM	50	0	18.21	18.36	18.23	20.00
10	64QAM	1	0	18.27	18.40	18.23	20.00
10	64QAM	1	25	18.24	18.37	18.28	20.00
10	64QAM	1	49	18.27	18.34	18.29	20.00
10	64QAM	25	0	18.13	18.35	18.15	20.00
10	64QAM	25	12	18.25	18.44	18.12	20.00
10	64QAM	25	25	18.14	18.33	18.24	20.00
10	64QAM	50	0	18.30	18.40	18.31	20.00
10	256QAM	1	0	17.63	17.69	17.53	19.00
10	256QAM	1	25	17.44	17.58	17.39	19.00
10	256QAM	1	49	17.60	17.63	17.57	19.00
10	256QAM	25	0	17.45	17.38	17.34	19.00
10	256QAM	25	12	17.35	17.54	17.31	19.00
10	256QAM	25	25	17.37	17.58	17.37	19.00
10	256QAM	50	0	17.44	17.56	17.49	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	18.41	18.55	18.41	20.00
5	QPSK	1	12	18.14	18.33	18.30	20.00
5	QPSK	1	24	18.25	18.43	18.31	20.00
5	QPSK	12	0	18.41	18.45	18.40	20.00
5	QPSK	12	7	18.18	18.41	18.17	20.00
5	QPSK	12	13	18.13	18.45	18.29	20.00
5	QPSK	25	0	18.47	18.48	18.49	20.00
5	16QAM	1	0	18.20	18.36	18.32	20.00
5	16QAM	1	12	18.10	18.43	18.31	20.00
5	16QAM	1	24	18.19	18.39	18.33	20.00
5	16QAM	12	0	18.13	18.35	18.18	20.00
5	16QAM	12	7	18.21	18.36	18.32	20.00
5	16QAM	12	13	18.13	18.28	18.24	20.00
5	16QAM	25	0	18.23	18.34	18.16	20.00
5	64QAM	1	0	18.19	18.39	18.17	20.00
5	64QAM	1	12	18.28	18.45	18.33	20.00
5	64QAM	1	24	18.25	18.34	18.26	20.00
5	64QAM	12	0	18.17	18.30	18.18	20.00
5	64QAM	12	7	18.24	18.44	18.22	20.00
5	64QAM	12	13	18.10	18.25	18.16	20.00
5	64QAM	25	0	18.35	18.46	18.29	20.00
5	256QAM	1	0	17.55	17.65	17.48	19.00
5	256QAM	1	12	17.35	17.57	17.44	19.00
5	256QAM	1	24	17.60	17.67	17.53	19.00
5	256QAM	12	0	17.44	17.51	17.31	19.00



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5	256QAM	12	7	17.27	17.52	17.38	19.00
5	256QAM	12	13	17.32	17.48	17.47	19.00
5	256QAM	25	0	17.38	17.54	17.40	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.43	18.52	18.53	20.00
3	QPSK	1	8	18.15	18.39	18.31	20.00
3	QPSK	1	14	18.31	18.44	18.25	20.00
3	QPSK	8	0	18.47	18.56	18.44	20.00
3	QPSK	8	4	18.23	18.29	18.21	20.00
3	QPSK	8	7	18.24	18.48	18.22	20.00
3	QPSK	15	0	18.48	18.46	18.47	20.00
3	16QAM	1	0	18.15	18.37	18.33	20.00
3	16QAM	1	8	18.10	18.41	18.28	20.00
3	16QAM	1	14	18.18	18.49	18.28	20.00
3	16QAM	8	0	18.10	18.38	18.17	20.00
3	16QAM	8	4	18.13	18.43	18.27	20.00
3	16QAM	8	7	18.15	18.38	18.16	20.00
3	16QAM	15	0	18.24	18.39	18.22	20.00
3	64QAM	1	0	18.20	18.39	18.25	20.00
3	64QAM	1	8	18.31	18.50	18.25	20.00
3	64QAM	1	14	18.27	18.35	18.26	20.00
3	64QAM	8	0	18.20	18.30	18.11	20.00
3	64QAM	8	4	18.24	18.38	18.13	20.00
3	64QAM	8	7	18.11	18.35	18.12	20.00
3	64QAM	15	0	18.28	18.43	18.26	20.00
3	256QAM	1	0	17.62	17.69	17.44	19.00
3	256QAM	1	8	17.43	17.53	17.44	19.00
3	256QAM	1	14	17.56	17.67	17.55	19.00
3	256QAM	8	0	17.36	17.43	17.33	19.00
3	256QAM	8	4	17.26	17.46	17.39	19.00
3	256QAM	8	7	17.34	17.47	17.37	19.00
3	256QAM	15	0	17.47	17.55	17.41	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.41	18.58	18.50	20.00
1.4	QPSK	1	3	18.11	18.33	18.31	20.00
1.4	QPSK	1	5	18.28	18.47	18.30	20.00
1.4	QPSK	3	0	18.46	18.55	18.43	20.00
1.4	QPSK	3	1	18.21	18.39	18.13	20.00
1.4	QPSK	3	3	18.21	18.42	18.24	20.00
1.4	QPSK	6	0	18.54	18.49	18.37	20.00
1.4	16QAM	1	0	18.09	18.36	18.26	20.00
1.4	16QAM	1	3	18.18	18.35	18.31	20.00
1.4	16QAM	1	5	18.23	18.42	18.25	20.00
1.4	16QAM	3	0	18.12	18.43	18.24	20.00
1.4	16QAM	3	1	18.20	18.44	18.23	20.00
1.4	16QAM	3	3	18.08	18.31	18.20	20.00
1.4	16QAM	6	0	18.27	18.37	18.14	20.00
1.4	64QAM	1	0	18.20	18.29	18.26	20.00
1.4	64QAM	1	3	18.35	18.45	18.30	20.00
1.4	64QAM	1	5	18.21	18.40	18.27	20.00
1.4	64QAM	3	0	18.15	18.35	18.18	20.00
1.4	64QAM	3	1	18.20	18.32	18.16	20.00
1.4	64QAM	3	3	18.11	18.36	18.23	20.00
1.4	64QAM	6	0	18.36	18.42	18.28	20.00
1.4	256QAM	1	0	17.58	17.58	17.46	19.00
1.4	256QAM	1	3	17.46	17.61	17.44	19.00
1.4	256QAM	1	5	17.58	17.71	17.53	19.00
1.4	256QAM	3	0	17.36	17.42	17.35	19.00
1.4	256QAM	3	1	17.35	17.51	17.40	19.00
1.4	256QAM	3	3	17.32	17.54	17.39	19.00
1.4	256QAM	6	0	17.43	17.55	17.41	19.00



【LTE Band 25_Ant 5_ECI4】

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	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	18.76	18.78	18.74	20.00
20	QPSK	1	49	18.25	18.47	18.35	20.00
20	QPSK	1	99	18.34	18.55	18.37	20.00
20	QPSK	50	0	18.69	18.76	18.73	20.00
20	QPSK	50	24	18.27	18.44	18.22	20.00
20	QPSK	50	50	18.27	18.50	18.36	20.00
20	QPSK	100	0	18.67	18.69	18.65	20.00
20	16QAM	1	0	18.24	18.48	18.38	20.00
20	16QAM	1	49	18.24	18.45	18.34	20.00
20	16QAM	1	99	18.29	18.52	18.36	20.00
20	16QAM	50	0	18.23	18.46	18.30	20.00
20	16QAM	50	24	18.26	18.50	18.35	20.00
20	16QAM	50	50	18.20	18.42	18.31	20.00
20	16QAM	100	0	18.34	18.46	18.27	20.00
20	64QAM	1	0	18.30	18.42	18.29	20.00
20	64QAM	1	49	18.39	18.51	18.35	20.00
20	64QAM	1	99	18.34	18.47	18.35	20.00
20	64QAM	50	0	18.25	18.43	18.24	20.00
20	64QAM	50	24	18.27	18.46	18.25	20.00
20	64QAM	50	50	18.21	18.40	18.27	20.00
20	64QAM	100	0	18.39	18.53	18.37	20.00
20	256QAM	1	0	17.68	17.72	17.57	19.00
20	256QAM	1	49	17.49	17.65	17.47	19.00
20	256QAM	1	99	17.71	17.76	17.64	19.00
20	256QAM	50	0	17.48	17.52	17.41	19.00
20	256QAM	50	24	17.41	17.58	17.42	19.00
20	256QAM	50	50	17.44	17.60	17.49	19.00
20	256QAM	100	0	17.52	17.61	17.51	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.44	18.47	18.48	20.00
15	QPSK	1	37	18.18	18.35	18.24	20.00
15	QPSK	1	74	18.25	18.49	18.32	20.00
15	QPSK	36	0	18.46	18.52	18.37	20.00
15	QPSK	36	20	18.13	18.42	18.12	20.00
15	QPSK	36	39	18.23	18.40	18.33	20.00
15	QPSK	75	0	18.51	18.44	18.43	20.00
15	16QAM	1	0	18.15	18.45	18.35	20.00
15	16QAM	1	37	18.14	18.34	18.22	20.00
15	16QAM	1	74	18.23	18.37	18.25	20.00
15	16QAM	36	0	18.17	18.37	18.18	20.00
15	16QAM	36	20	18.11	18.43	18.30	20.00
15	16QAM	36	39	18.08	18.33	18.19	20.00
15	16QAM	75	0	18.28	18.33	18.19	20.00
15	64QAM	1	0	18.17	18.30	18.18	20.00
15	64QAM	1	37	18.32	18.50	18.25	20.00
15	64QAM	1	74	18.21	18.40	18.29	20.00
15	64QAM	36	0	18.17	18.35	18.17	20.00
15	64QAM	36	20	18.22	18.35	18.12	20.00
15	64QAM	36	39	18.09	18.28	18.18	20.00
15	64QAM	75	0	18.28	18.52	18.25	20.00
15	256QAM	1	0	17.54	17.66	17.47	19.00
15	256QAM	1	37	17.37	17.61	17.45	19.00
15	256QAM	1	74	17.68	17.69	17.62	19.00
15	256QAM	36	0	17.37	17.38	17.28	19.00
15	256QAM	36	20	17.40	17.52	17.31	19.00
15	256QAM	36	39	17.29	17.58	17.38	19.00
15	256QAM	75	0	17.49	17.48	17.49	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.47	18.49	18.40	20.00
10	QPSK	1	25	18.15	18.45	18.32	20.00
10	QPSK	1	49	18.31	18.42	18.27	20.00
10	QPSK	25	0	18.46	18.46	18.45	20.00
10	QPSK	25	12	18.23	18.35	18.08	20.00
10	QPSK	25	25	18.18	18.45	18.22	20.00
10	QPSK	50	0	18.47	18.45	18.43	20.00
10	16QAM	1	0	18.12	18.37	18.34	20.00
10	16QAM	1	25	18.11	18.37	18.23	20.00
10	16QAM	1	49	18.15	18.43	18.33	20.00
10	16QAM	25	0	18.21	18.34	18.27	20.00



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10	16QAM	25	12	18.18	18.38	18.31	20.00
10	16QAM	25	25	18.18	18.32	18.23	20.00
10	16QAM	50	0	18.21	18.36	18.23	20.00
10	64QAM	1	0	18.27	18.40	18.23	20.00
10	64QAM	1	25	18.24	18.37	18.28	20.00
10	64QAM	1	49	18.27	18.34	18.29	20.00
10	64QAM	25	0	18.13	18.35	18.15	20.00
10	64QAM	25	12	18.25	18.44	18.12	20.00
10	64QAM	25	25	18.14	18.33	18.24	20.00
10	64QAM	50	0	18.30	18.40	18.31	20.00
10	256QAM	1	0	17.63	17.69	17.53	19.00
10	256QAM	1	25	17.44	17.58	17.39	19.00
10	256QAM	1	49	17.60	17.63	17.57	19.00
10	256QAM	25	0	17.45	17.38	17.34	19.00
10	256QAM	25	12	17.35	17.54	17.31	19.00
10	256QAM	25	25	17.37	17.58	17.37	19.00
10	256QAM	50	0	17.44	17.56	17.49	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	18.41	18.55	18.41	20.00
5	QPSK	1	12	18.14	18.33	18.30	20.00
5	QPSK	1	24	18.25	18.43	18.31	20.00
5	QPSK	12	0	18.41	18.45	18.40	20.00
5	QPSK	12	7	18.18	18.41	18.17	20.00
5	QPSK	12	13	18.13	18.45	18.29	20.00
5	QPSK	25	0	18.47	18.48	18.49	20.00
5	16QAM	1	0	18.20	18.36	18.32	20.00
5	16QAM	1	12	18.10	18.43	18.31	20.00
5	16QAM	1	24	18.19	18.39	18.33	20.00
5	16QAM	12	0	18.13	18.35	18.18	20.00
5	16QAM	12	7	18.21	18.36	18.32	20.00
5	16QAM	12	13	18.13	18.28	18.24	20.00
5	16QAM	25	0	18.23	18.34	18.16	20.00
5	64QAM	1	0	18.19	18.39	18.17	20.00
5	64QAM	1	12	18.28	18.45	18.33	20.00
5	64QAM	1	24	18.25	18.34	18.26	20.00
5	64QAM	12	0	18.17	18.30	18.18	20.00
5	64QAM	12	7	18.24	18.44	18.22	20.00
5	64QAM	12	13	18.10	18.25	18.16	20.00
5	64QAM	25	0	18.35	18.46	18.29	20.00
5	256QAM	1	0	17.55	17.65	17.48	19.00
5	256QAM	1	12	17.35	17.57	17.44	19.00
5	256QAM	1	24	17.60	17.67	17.53	19.00
5	256QAM	12	0	17.44	17.51	17.31	19.00
5	256QAM	12	7	17.27	17.52	17.38	19.00
5	256QAM	12	13	17.32	17.48	17.47	19.00
5	256QAM	25	0	17.38	17.54	17.40	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	18.43	18.52	18.53	20.00
3	QPSK	1	8	18.15	18.39	18.31	20.00
3	QPSK	1	14	18.31	18.44	18.25	20.00
3	QPSK	8	0	18.47	18.56	18.44	20.00
3	QPSK	8	4	18.23	18.29	18.21	20.00
3	QPSK	8	7	18.24	18.48	18.22	20.00
3	QPSK	15	0	18.48	18.46	18.47	20.00
3	16QAM	1	0	18.15	18.37	18.33	20.00
3	16QAM	1	8	18.10	18.41	18.28	20.00
3	16QAM	1	14	18.18	18.49	18.28	20.00
3	16QAM	8	0	18.10	18.38	18.17	20.00
3	16QAM	8	4	18.13	18.43	18.27	20.00
3	16QAM	8	7	18.15	18.38	18.16	20.00
3	16QAM	15	0	18.24	18.39	18.22	20.00
3	64QAM	1	0	18.20	18.39	18.25	20.00
3	64QAM	1	8	18.31	18.50	18.25	20.00
3	64QAM	1	14	18.27	18.35	18.26	20.00
3	64QAM	8	0	18.20	18.30	18.11	20.00
3	64QAM	8	4	18.24	18.38	18.13	20.00
3	64QAM	8	7	18.11	18.35	18.12	20.00
3	64QAM	15	0	18.28	18.43	18.26	20.00
3	256QAM	1	0	17.62	17.69	17.44	19.00
3	256QAM	1	8	17.43	17.53	17.44	19.00
3	256QAM	1	14	17.56	17.67	17.55	19.00
3	256QAM	8	0	17.36	17.43	17.33	19.00
3	256QAM	8	4	17.26	17.46	17.39	19.00
3	256QAM	8	7	17.34	17.47	17.37	19.00
3	256QAM	15	0	17.47	17.55	17.41	19.00
Channel				26047	26340	26683	Tune-up limit



Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	18.41	18.58	18.50	20.00
1.4	QPSK	1	3	18.11	18.33	18.31	20.00
1.4	QPSK	1	5	18.28	18.47	18.30	20.00
1.4	QPSK	3	0	18.46	18.55	18.43	20.00
1.4	QPSK	3	1	18.21	18.39	18.13	20.00
1.4	QPSK	3	3	18.21	18.42	18.24	20.00
1.4	QPSK	6	0	18.54	18.49	18.37	20.00
1.4	16QAM	1	0	18.09	18.36	18.26	20.00
1.4	16QAM	1	3	18.18	18.35	18.31	20.00
1.4	16QAM	1	5	18.23	18.42	18.25	20.00
1.4	16QAM	3	0	18.12	18.43	18.24	20.00
1.4	16QAM	3	1	18.20	18.44	18.23	20.00
1.4	16QAM	3	3	18.08	18.31	18.20	20.00
1.4	16QAM	6	0	18.27	18.37	18.14	20.00
1.4	64QAM	1	0	18.20	18.29	18.26	20.00
1.4	64QAM	1	3	18.35	18.45	18.30	20.00
1.4	64QAM	1	5	18.21	18.40	18.27	20.00
1.4	64QAM	3	0	18.15	18.35	18.18	20.00
1.4	64QAM	3	1	18.20	18.32	18.16	20.00
1.4	64QAM	3	3	18.11	18.36	18.23	20.00
1.4	64QAM	6	0	18.36	18.42	18.28	20.00
1.4	256QAM	1	0	17.58	17.58	17.46	19.00
1.4	256QAM	1	3	17.46	17.61	17.44	19.00
1.4	256QAM	1	5	17.58	17.71	17.53	19.00
1.4	256QAM	3	0	17.36	17.42	17.35	19.00
1.4	256QAM	3	1	17.35	17.51	17.40	19.00
1.4	256QAM	3	3	17.32	17.54	17.39	19.00
1.4	256QAM	6	0	17.43	17.55	17.41	19.00

【LTE Band 25_Ant 5_ECI5】

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	17.07	17.12	17.05	18.50
20	QPSK	1	49	16.87	17.06	16.91	18.50
20	QPSK	1	99	16.83	17.01	16.83	18.50
20	QPSK	50	0	17.00	17.08	16.98	18.50
20	QPSK	50	24	16.91	16.99	16.90	18.50
20	QPSK	50	50	16.91	17.05	16.84	18.50
20	QPSK	100	0	16.95	17.01	16.85	18.50
20	16QAM	1	0	16.78	16.96	16.75	18.50
20	16QAM	1	49	16.80	16.98	16.83	18.50
20	16QAM	1	99	16.73	16.92	16.77	18.50
20	16QAM	50	0	16.82	16.97	16.84	18.50
20	16QAM	50	24	16.84	16.93	16.79	18.50
20	16QAM	50	50	16.85	16.92	16.80	18.50
20	16QAM	100	0	16.89	16.98	16.83	18.50
20	64QAM	1	0	16.76	16.95	16.81	18.50
20	64QAM	1	49	16.92	16.99	16.82	18.50
20	64QAM	1	99	16.77	16.93	16.77	18.50
20	64QAM	50	0	16.74	16.91	16.71	18.50
20	64QAM	50	24	16.80	16.94	16.80	18.50
20	64QAM	50	50	16.78	16.98	16.79	18.50
20	64QAM	100	0	16.75	16.93	16.78	18.50
20	256QAM	1	0	16.83	16.98	16.76	18.50
20	256QAM	1	49	16.77	16.89	16.80	18.50
20	256QAM	1	99	16.73	16.87	16.76	18.50
20	256QAM	50	0	16.64	16.81	16.69	18.50
20	256QAM	50	24	16.72	16.88	16.74	18.50
20	256QAM	50	50	16.88	16.95	16.75	18.50
20	256QAM	100	0	16.78	16.89	16.70	18.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.01	17.06	16.93	18.50
15	QPSK	1	37	16.76	16.92	16.85	18.50
15	QPSK	1	74	16.72	16.88	16.78	18.50
15	QPSK	36	0	16.92	16.97	16.88	18.50
15	QPSK	36	20	16.84	16.97	16.88	18.50
15	QPSK	36	39	16.88	16.95	16.79	18.50
15	QPSK	75	0	16.93	16.91	16.73	18.50



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15	16QAM	1	0	16.67	16.92	16.73	18.50
15	16QAM	1	37	16.70	16.85	16.76	18.50
15	16QAM	1	74	16.63	16.82	16.66	18.50
15	16QAM	36	0	16.80	16.88	16.81	18.50
15	16QAM	36	20	16.79	16.81	16.64	18.50
15	16QAM	36	39	16.83	16.87	16.74	18.50
15	16QAM	75	0	16.82	16.89	16.73	18.50
15	64QAM	1	0	16.74	16.86	16.70	18.50
15	64QAM	1	37	16.78	16.93	16.70	18.50
15	64QAM	1	74	16.74	16.84	16.63	18.50
15	64QAM	36	0	16.62	16.82	16.60	18.50
15	64QAM	36	20	16.74	16.89	16.76	18.50
15	64QAM	36	39	16.68	16.84	16.70	18.50
15	64QAM	75	0	16.71	16.84	16.69	18.50
15	256QAM	1	0	16.80	16.91	16.72	18.50
15	256QAM	1	37	16.71	16.77	16.72	18.50
15	256QAM	1	74	16.58	16.76	16.63	18.50
15	256QAM	36	0	16.53	16.69	16.56	18.50
15	256QAM	36	20	16.66	16.76	16.69	18.50
15	256QAM	36	39	16.78	16.92	16.73	18.50
15	256QAM	75	0	16.72	16.85	16.67	18.50
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	16.93	17.07	16.91	18.50
10	QPSK	1	25	16.83	17.00	16.80	18.50
10	QPSK	1	49	16.79	16.89	16.69	18.50
10	QPSK	25	0	16.98	17.04	16.87	18.50
10	QPSK	25	12	16.84	16.86	16.86	18.50
10	QPSK	25	25	16.79	17.00	16.78	18.50
10	QPSK	50	0	16.83	16.93	16.73	18.50
10	16QAM	1	0	16.72	16.94	16.63	18.50
10	16QAM	1	25	16.78	16.91	16.72	18.50
10	16QAM	1	49	16.62	16.82	16.72	18.50
10	16QAM	25	0	16.78	16.95	16.82	18.50
10	16QAM	25	12	16.70	16.83	16.74	18.50
10	16QAM	25	25	16.81	16.80	16.67	18.50
10	16QAM	50	0	16.80	16.85	16.77	18.50
10	64QAM	1	0	16.68	16.88	16.74	18.50
10	64QAM	1	25	16.90	16.85	16.74	18.50
10	64QAM	1	49	16.73	16.89	16.65	18.50
10	64QAM	25	0	16.62	16.79	16.70	18.50
10	64QAM	25	12	16.65	16.79	16.77	18.50
10	64QAM	25	25	16.71	16.87	16.77	18.50
10	64QAM	50	0	16.73	16.88	16.64	18.50
10	256QAM	1	0	16.77	16.84	16.75	18.50
10	256QAM	1	25	16.66	16.80	16.72	18.50
10	256QAM	1	49	16.60	16.80	16.69	18.50
10	256QAM	25	0	16.63	16.71	16.62	18.50
10	256QAM	25	12	16.69	16.83	16.70	18.50
10	256QAM	25	25	16.78	16.87	16.68	18.50
10	256QAM	50	0	16.76	16.86	16.65	18.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.94	17.08	16.97	18.50
5	QPSK	1	12	16.84	16.95	16.83	18.50
5	QPSK	1	24	16.78	16.86	16.72	18.50
5	QPSK	12	0	16.95	17.04	16.75	18.50
5	QPSK	12	7	16.85	16.92	16.79	18.50
5	QPSK	12	13	16.82	16.91	16.80	18.50
5	QPSK	25	0	16.94	16.93	16.71	18.50
5	16QAM	1	0	16.65	16.84	16.74	18.50
5	16QAM	1	12	16.67	16.96	16.75	18.50
5	16QAM	1	24	16.60	16.87	16.65	18.50
5	16QAM	12	0	16.79	16.90	16.82	18.50
5	16QAM	12	7	16.72	16.78	16.77	18.50
5	16QAM	12	13	16.71	16.79	16.72	18.50
5	16QAM	25	0	16.86	16.94	16.78	18.50
5	64QAM	1	0	16.68	16.84	16.70	18.50
5	64QAM	1	12	16.81	16.85	16.71	18.50
5	64QAM	1	24	16.62	16.78	16.64	18.50
5	64QAM	12	0	16.72	16.84	16.63	18.50
5	64QAM	12	7	16.77	16.86	16.67	18.50
5	64QAM	12	13	16.71	16.84	16.71	18.50
5	64QAM	25	0	16.60	16.85	16.72	18.50
5	256QAM	1	0	16.79	16.88	16.63	18.50
5	256QAM	1	12	16.63	16.76	16.69	18.50
5	256QAM	1	24	16.65	16.84	16.71	18.50
5	256QAM	12	0	16.51	16.79	16.64	18.50



5	256QAM	12	7	16.66	16.85	16.61	18.50
5	256QAM	12	13	16.74	16.81	16.65	18.50
5	256QAM	25	0	16.68	16.76	16.64	18.50
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.94	17.01	16.93	18.50
3	QPSK	1	8	16.79	16.94	16.82	18.50
3	QPSK	1	14	16.75	16.99	16.76	18.50
3	QPSK	8	0	16.87	17.02	16.77	18.50
3	QPSK	8	4	16.76	16.97	16.81	18.50
3	QPSK	8	7	16.79	16.97	16.72	18.50
3	QPSK	15	0	16.87	16.88	16.74	18.50
3	16QAM	1	0	16.75	16.93	16.66	18.50
3	16QAM	1	8	16.70	16.92	16.75	18.50
3	16QAM	1	14	16.71	16.84	16.70	18.50
3	16QAM	8	0	16.77	16.90	16.80	18.50
3	16QAM	8	4	16.72	16.88	16.67	18.50
3	16QAM	8	7	16.83	16.81	16.66	18.50
3	16QAM	15	0	16.80	16.89	16.75	18.50
3	64QAM	1	0	16.70	16.85	16.76	18.50
3	64QAM	1	8	16.85	16.87	16.77	18.50
3	64QAM	1	14	16.73	16.82	16.64	18.50
3	64QAM	8	0	16.65	16.83	16.69	18.50
3	64QAM	8	4	16.68	16.89	16.78	18.50
3	64QAM	8	7	16.71	16.90	16.66	18.50
3	64QAM	15	0	16.60	16.82	16.72	18.50
3	256QAM	1	0	16.70	16.86	16.65	18.50
3	256QAM	1	8	16.75	16.84	16.76	18.50
3	256QAM	1	14	16.71	16.84	16.66	18.50
3	256QAM	8	0	16.54	16.77	16.61	18.50
3	256QAM	8	4	16.60	16.83	16.65	18.50
3	256QAM	8	7	16.82	16.88	16.73	18.50
3	256QAM	15	0	16.68	16.87	16.57	18.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.98	16.99	16.94	18.50
1.4	QPSK	1	3	16.81	16.91	16.82	18.50
1.4	QPSK	1	5	16.81	16.89	16.70	18.50
1.4	QPSK	3	0	16.91	17.06	16.79	18.50
1.4	QPSK	3	1	16.79	16.90	16.85	18.50
1.4	QPSK	3	3	16.78	16.94	16.78	18.50
1.4	QPSK	6	0	16.82	16.92	16.74	18.50
1.4	16QAM	1	0	16.74	16.94	16.68	18.50
1.4	16QAM	1	3	16.69	16.88	16.76	18.50
1.4	16QAM	1	5	16.68	16.88	16.74	18.50
1.4	16QAM	3	0	16.75	16.94	16.74	18.50
1.4	16QAM	3	1	16.72	16.89	16.70	18.50
1.4	16QAM	3	3	16.71	16.89	16.77	18.50
1.4	16QAM	6	0	16.81	16.83	16.74	18.50
1.4	64QAM	1	0	16.73	16.86	16.68	18.50
1.4	64QAM	1	3	16.81	16.93	16.76	18.50
1.4	64QAM	1	5	16.73	16.91	16.66	18.50
1.4	64QAM	3	0	16.64	16.86	16.66	18.50
1.4	64QAM	3	1	16.70	16.87	16.67	18.50
1.4	64QAM	3	3	16.69	16.86	16.65	18.50
1.4	64QAM	6	0	16.64	16.90	16.66	18.50
1.4	256QAM	1	0	16.74	16.95	16.72	18.50
1.4	256QAM	1	3	16.71	16.88	16.79	18.50
1.4	256QAM	1	5	16.66	16.78	16.65	18.50
1.4	256QAM	3	0	16.50	16.73	16.59	18.50
1.4	256QAM	3	1	16.68	16.80	16.66	18.50
1.4	256QAM	3	3	16.78	16.90	16.66	18.50
1.4	256QAM	6	0	16.68	16.77	16.61	18.50



【LTE Band 26_FCC (814~849MHz)_Ant 0_Default】

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	25.01	25.06	24.93	25.70
15	QPSK	1	37	24.62	24.78	24.53	25.70
15	QPSK	1	74	24.66	24.79	24.64	25.70
15	QPSK	36	0	23.78	23.88	23.81	24.70
15	QPSK	36	20	23.73	23.86	23.73	24.70
15	QPSK	36	39	23.70	23.85	23.67	24.70
15	QPSK	75	0	23.79	23.95	23.81	24.70
15	16QAM	1	0	24.16	24.22	24.02	24.70
15	16QAM	1	37	24.01	24.16	23.99	24.70
15	16QAM	1	74	23.95	24.05	23.80	24.70
15	16QAM	36	0	22.77	22.97	22.74	23.70
15	16QAM	36	20	22.77	22.94	22.72	23.70
15	16QAM	36	39	22.84	22.92	22.75	23.70
15	16QAM	75	0	22.87	22.97	22.80	23.70
15	64QAM	1	0	23.14	23.21	23.00	23.70
15	64QAM	1	37	22.97	23.12	22.92	23.70
15	64QAM	1	74	23.01	23.09	22.88	23.70
15	64QAM	36	0	21.90	22.00	21.85	22.70
15	64QAM	36	20	21.77	21.95	21.70	22.70
15	64QAM	36	39	21.75	21.91	21.79	22.70
15	64QAM	75	0	21.86	21.92	21.76	22.70
15	256QAM	1	0	20.06	20.19	20.04	20.70
15	256QAM	1	37	19.95	20.05	19.90	20.70
15	256QAM	1	74	19.84	20.01	19.84	20.70
15	256QAM	36	0	19.84	19.93	19.73	20.70
15	256QAM	36	20	19.79	19.90	19.70	20.70
15	256QAM	36	39	19.74	19.86	19.63	20.70
15	256QAM	75	0	19.82	19.90	19.76	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.87	24.96	24.88	25.70
10	QPSK	1	25	24.60	24.69	24.49	25.70
10	QPSK	1	49	24.60	24.70	24.61	25.70
10	QPSK	25	0	23.63	23.79	23.61	24.70
10	QPSK	25	12	23.68	23.81	23.62	24.70
10	QPSK	25	25	23.55	23.73	23.66	24.70
10	QPSK	50	0	23.65	23.84	23.76	24.70
10	16QAM	1	0	24.11	24.11	24.00	24.70
10	16QAM	1	25	23.89	24.04	23.98	24.70
10	16QAM	1	49	23.87	24.00	23.78	24.70
10	16QAM	25	0	22.74	22.86	22.65	23.70
10	16QAM	25	12	22.65	22.79	22.67	23.70
10	16QAM	25	25	22.71	22.83	22.63	23.70
10	16QAM	50	0	22.86	22.92	22.69	23.70
10	64QAM	1	0	23.06	23.08	22.95	23.70
10	64QAM	1	25	22.91	23.09	22.79	23.70
10	64QAM	1	49	22.98	23.02	22.84	23.70
10	64QAM	25	0	21.82	21.93	21.72	22.70
10	64QAM	25	12	21.64	21.81	21.65	22.70
10	64QAM	25	25	21.67	21.80	21.68	22.70
10	64QAM	50	0	21.75	21.87	21.63	22.70
10	256QAM	1	0	19.93	20.05	19.97	20.70
10	256QAM	1	25	19.87	19.95	19.84	20.70
10	256QAM	1	49	19.75	19.99	19.82	20.70
10	256QAM	25	0	19.71	19.90	19.66	20.70
10	256QAM	25	12	19.65	19.82	19.56	20.70
10	256QAM	25	25	19.62	19.80	19.56	20.70
10	256QAM	50	0	19.69	19.81	19.68	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.92	25.01	24.90	25.70
5	QPSK	1	12	24.58	24.70	24.41	25.70
5	QPSK	1	24	24.54	24.67	24.61	25.70
5	QPSK	12	0	23.59	23.77	23.67	24.70
5	QPSK	12	7	23.64	23.71	23.64	24.70
5	QPSK	12	13	23.60	23.72	23.59	24.70
5	QPSK	25	0	23.72	23.83	23.80	24.70
5	16QAM	1	0	24.09	24.20	23.97	24.70
5	16QAM	1	12	23.91	24.03	23.97	24.70
5	16QAM	1	24	23.89	24.02	23.67	24.70
5	16QAM	12	0	22.70	22.89	22.63	23.70



5	16QAM	12	7	22.66	22.79	22.68	23.70
5	16QAM	12	13	22.79	22.88	22.62	23.70
5	16QAM	25	0	22.72	22.95	22.75	23.70
5	64QAM	1	0	23.02	23.13	22.90	23.70
5	64QAM	1	12	22.85	23.10	22.77	23.70
5	64QAM	1	24	22.98	22.96	22.87	23.70
5	64QAM	12	0	21.76	21.88	21.72	22.70
5	64QAM	12	7	21.64	21.87	21.66	22.70
5	64QAM	12	13	21.62	21.81	21.73	22.70
5	64QAM	25	0	21.80	21.83	21.65	22.70
5	256QAM	1	0	19.99	20.11	20.01	20.70
5	256QAM	1	12	19.90	19.92	19.80	20.70
5	256QAM	1	24	19.75	19.88	19.75	20.70
5	256QAM	12	0	19.81	19.92	19.60	20.70
5	256QAM	12	7	19.76	19.75	19.57	20.70
5	256QAM	12	13	19.70	19.72	19.53	20.70
5	256QAM	25	0	19.72	19.87	19.64	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.97	25.00	24.80	25.70
3	QPSK	1	8	24.56	24.70	24.49	25.70
3	QPSK	1	14	24.63	24.68	24.62	25.70
3	QPSK	8	0	23.60	23.83	23.65	24.70
3	QPSK	8	4	23.64	23.79	23.70	24.70
3	QPSK	8	7	23.64	23.78	23.55	24.70
3	QPSK	15	0	23.77	23.90	23.70	24.70
3	16QAM	1	0	24.07	24.12	23.90	24.70
3	16QAM	1	8	23.88	24.13	23.93	24.70
3	16QAM	1	14	23.88	23.98	23.69	24.70
3	16QAM	8	0	22.69	22.88	22.62	23.70
3	16QAM	8	4	22.66	22.92	22.65	23.70
3	16QAM	8	7	22.76	22.87	22.64	23.70
3	16QAM	15	0	22.84	22.91	22.68	23.70
3	64QAM	1	0	23.08	23.08	22.88	23.70
3	64QAM	1	8	22.87	23.06	22.88	23.70
3	64QAM	1	14	22.96	22.95	22.78	23.70
3	64QAM	8	0	21.83	21.85	21.74	22.70
3	64QAM	8	4	21.63	21.83	21.57	22.70
3	64QAM	8	7	21.72	21.79	21.78	22.70
3	64QAM	15	0	21.73	21.90	21.67	22.70
3	256QAM	1	0	19.96	20.08	19.98	20.70
3	256QAM	1	8	19.91	20.02	19.88	20.70
3	256QAM	1	14	19.70	19.95	19.82	20.70
3	256QAM	8	0	19.76	19.84	19.68	20.70
3	256QAM	8	4	19.70	19.78	19.61	20.70
3	256QAM	8	7	19.65	19.83	19.61	20.70
3	256QAM	15	0	19.81	19.80	19.67	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.97	25.01	24.82	25.70
1.4	QPSK	1	3	24.55	24.67	24.41	25.70
1.4	QPSK	1	5	24.52	24.76	24.51	25.70
1.4	QPSK	3	0	24.65	24.76	24.61	25.70
1.4	QPSK	3	1	24.70	24.77	24.64	25.70
1.4	QPSK	3	3	24.67	24.82	24.55	25.70
1.4	QPSK	6	0	23.76	23.86	23.80	24.70
1.4	16QAM	1	0	24.08	24.18	23.89	24.70
1.4	16QAM	1	3	23.96	24.13	23.98	24.70
1.4	16QAM	1	5	23.91	24.01	23.79	24.70
1.4	16QAM	3	0	23.73	23.84	23.71	24.70
1.4	16QAM	3	1	23.70	23.87	23.68	24.70
1.4	16QAM	3	3	23.81	23.80	23.69	24.70
1.4	16QAM	6	0	22.72	22.93	22.65	23.70
1.4	64QAM	1	0	23.05	23.13	22.90	23.70
1.4	64QAM	1	3	22.90	23.01	22.85	23.70
1.4	64QAM	1	5	22.86	23.06	22.76	23.70
1.4	64QAM	3	0	22.76	22.98	22.75	23.70
1.4	64QAM	3	1	22.67	22.84	22.63	23.70
1.4	64QAM	3	3	22.69	22.85	22.69	23.70
1.4	64QAM	6	0	21.85	21.88	21.62	22.70
1.4	256QAM	1	0	20.04	20.18	20.00	20.70
1.4	256QAM	1	3	19.86	19.98	19.81	20.70
1.4	256QAM	1	5	19.79	19.87	19.80	20.70
1.4	256QAM	3	0	19.72	19.79	19.58	20.70
1.4	256QAM	3	1	19.68	19.79	19.60	20.70
1.4	256QAM	3	3	19.70	19.84	19.48	20.70
1.4	256QAM	6	0	19.69	19.77	19.73	20.70



【LTE Band 26_FCC (814~849MHz)_Ant 0_ECI1】

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	25.01	25.06	24.93	25.70
15	QPSK	1	37	24.62	24.78	24.53	25.70
15	QPSK	1	74	24.66	24.79	24.64	25.70
15	QPSK	36	0	23.78	23.88	23.81	24.70
15	QPSK	36	20	23.73	23.86	23.73	24.70
15	QPSK	36	39	23.70	23.85	23.67	24.70
15	QPSK	75	0	23.79	23.95	23.81	24.70
15	16QAM	1	0	24.16	24.22	24.02	24.70
15	16QAM	1	37	24.01	24.16	23.99	24.70
15	16QAM	1	74	23.95	24.05	23.80	24.70
15	16QAM	36	0	22.77	22.97	22.74	23.70
15	16QAM	36	20	22.77	22.94	22.72	23.70
15	16QAM	36	39	22.84	22.92	22.75	23.70
15	16QAM	75	0	22.87	22.97	22.80	23.70
15	64QAM	1	0	23.14	23.21	23.00	23.70
15	64QAM	1	37	22.97	23.12	22.92	23.70
15	64QAM	1	74	23.01	23.09	22.88	23.70
15	64QAM	36	0	21.90	22.00	21.85	22.70
15	64QAM	36	20	21.77	21.95	21.70	22.70
15	64QAM	36	39	21.75	21.91	21.79	22.70
15	64QAM	75	0	21.86	21.92	21.76	22.70
15	256QAM	1	0	20.06	20.19	20.04	20.70
15	256QAM	1	37	19.95	20.05	19.90	20.70
15	256QAM	1	74	19.84	20.01	19.84	20.70
15	256QAM	36	0	19.84	19.93	19.73	20.70
15	256QAM	36	20	19.79	19.90	19.70	20.70
15	256QAM	36	39	19.74	19.86	19.63	20.70
15	256QAM	75	0	19.82	19.90	19.76	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.87	24.96	24.88	25.70
10	QPSK	1	25	24.60	24.69	24.49	25.70
10	QPSK	1	49	24.60	24.70	24.61	25.70
10	QPSK	25	0	23.63	23.79	23.61	24.70
10	QPSK	25	12	23.68	23.81	23.62	24.70
10	QPSK	25	25	23.55	23.73	23.66	24.70
10	QPSK	50	0	23.65	23.84	23.76	24.70
10	16QAM	1	0	24.11	24.11	24.00	24.70
10	16QAM	1	25	23.89	24.04	23.98	24.70
10	16QAM	1	49	23.87	24.00	23.78	24.70
10	16QAM	25	0	22.74	22.86	22.65	23.70
10	16QAM	25	12	22.65	22.79	22.67	23.70
10	16QAM	25	25	22.71	22.83	22.63	23.70
10	16QAM	50	0	22.86	22.92	22.69	23.70
10	64QAM	1	0	23.06	23.08	22.95	23.70
10	64QAM	1	25	22.91	23.09	22.79	23.70
10	64QAM	1	49	22.98	23.02	22.84	23.70
10	64QAM	25	0	21.82	21.93	21.72	22.70
10	64QAM	25	12	21.64	21.81	21.65	22.70
10	64QAM	25	25	21.67	21.80	21.68	22.70
10	64QAM	50	0	21.75	21.87	21.63	22.70
10	256QAM	1	0	19.93	20.05	19.97	20.70
10	256QAM	1	25	19.87	19.95	19.84	20.70
10	256QAM	1	49	19.75	19.99	19.82	20.70
10	256QAM	25	0	19.71	19.90	19.66	20.70
10	256QAM	25	12	19.65	19.82	19.56	20.70
10	256QAM	25	25	19.62	19.80	19.56	20.70
10	256QAM	50	0	19.69	19.81	19.68	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.92	25.01	24.90	25.70
5	QPSK	1	12	24.58	24.70	24.41	25.70
5	QPSK	1	24	24.54	24.67	24.61	25.70
5	QPSK	12	0	23.59	23.77	23.67	24.70
5	QPSK	12	7	23.64	23.71	23.64	24.70
5	QPSK	12	13	23.60	23.72	23.59	24.70
5	QPSK	25	0	23.72	23.83	23.80	24.70
5	16QAM	1	0	24.09	24.20	23.97	24.70
5	16QAM	1	12	23.91	24.03	23.97	24.70
5	16QAM	1	24	23.89	24.02	23.67	24.70
5	16QAM	12	0	22.70	22.89	22.63	23.70



5	16QAM	12	7	22.66	22.79	22.68	23.70
5	16QAM	12	13	22.79	22.88	22.62	23.70
5	16QAM	25	0	22.72	22.95	22.75	23.70
5	64QAM	1	0	23.02	23.13	22.90	23.70
5	64QAM	1	12	22.85	23.10	22.77	23.70
5	64QAM	1	24	22.98	22.96	22.87	23.70
5	64QAM	12	0	21.76	21.88	21.72	22.70
5	64QAM	12	7	21.64	21.87	21.66	22.70
5	64QAM	12	13	21.62	21.81	21.73	22.70
5	64QAM	25	0	21.80	21.83	21.65	22.70
5	256QAM	1	0	19.99	20.11	20.01	20.70
5	256QAM	1	12	19.90	19.92	19.80	20.70
5	256QAM	1	24	19.75	19.88	19.75	20.70
5	256QAM	12	0	19.81	19.92	19.60	20.70
5	256QAM	12	7	19.76	19.75	19.57	20.70
5	256QAM	12	13	19.70	19.72	19.53	20.70
5	256QAM	25	0	19.72	19.87	19.64	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.97	25.00	24.80	25.70
3	QPSK	1	8	24.56	24.70	24.49	25.70
3	QPSK	1	14	24.63	24.68	24.62	25.70
3	QPSK	8	0	23.60	23.83	23.65	24.70
3	QPSK	8	4	23.64	23.79	23.70	24.70
3	QPSK	8	7	23.64	23.78	23.55	24.70
3	QPSK	15	0	23.77	23.90	23.70	24.70
3	16QAM	1	0	24.07	24.12	23.90	24.70
3	16QAM	1	8	23.88	24.13	23.93	24.70
3	16QAM	1	14	23.88	23.98	23.69	24.70
3	16QAM	8	0	22.69	22.88	22.62	23.70
3	16QAM	8	4	22.66	22.92	22.65	23.70
3	16QAM	8	7	22.76	22.87	22.64	23.70
3	16QAM	15	0	22.84	22.91	22.68	23.70
3	64QAM	1	0	23.08	23.08	22.88	23.70
3	64QAM	1	8	22.87	23.06	22.88	23.70
3	64QAM	1	14	22.96	22.95	22.78	23.70
3	64QAM	8	0	21.83	21.85	21.74	22.70
3	64QAM	8	4	21.63	21.83	21.57	22.70
3	64QAM	8	7	21.72	21.79	21.78	22.70
3	64QAM	15	0	21.73	21.90	21.67	22.70
3	256QAM	1	0	19.96	20.08	19.98	20.70
3	256QAM	1	8	19.91	20.02	19.88	20.70
3	256QAM	1	14	19.70	19.95	19.82	20.70
3	256QAM	8	0	19.76	19.84	19.68	20.70
3	256QAM	8	4	19.70	19.78	19.61	20.70
3	256QAM	8	7	19.65	19.83	19.61	20.70
3	256QAM	15	0	19.81	19.80	19.67	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.97	25.01	24.82	25.70
1.4	QPSK	1	3	24.55	24.67	24.41	25.70
1.4	QPSK	1	5	24.52	24.76	24.51	25.70
1.4	QPSK	3	0	24.65	24.76	24.61	25.70
1.4	QPSK	3	1	24.70	24.77	24.64	25.70
1.4	QPSK	3	3	24.67	24.82	24.55	25.70
1.4	QPSK	6	0	23.76	23.86	23.80	24.70
1.4	16QAM	1	0	24.08	24.18	23.89	24.70
1.4	16QAM	1	3	23.96	24.13	23.98	24.70
1.4	16QAM	1	5	23.91	24.01	23.79	24.70
1.4	16QAM	3	0	23.73	23.84	23.71	24.70
1.4	16QAM	3	1	23.70	23.87	23.68	24.70
1.4	16QAM	3	3	23.81	23.80	23.69	24.70
1.4	16QAM	6	0	22.72	22.93	22.65	23.70
1.4	64QAM	1	0	23.05	23.13	22.90	23.70
1.4	64QAM	1	3	22.90	23.01	22.85	23.70
1.4	64QAM	1	5	22.86	23.06	22.76	23.70
1.4	64QAM	3	0	22.76	22.98	22.75	23.70
1.4	64QAM	3	1	22.67	22.84	22.63	23.70
1.4	64QAM	3	3	22.69	22.85	22.69	23.70
1.4	64QAM	6	0	21.85	21.88	21.62	22.70
1.4	256QAM	1	0	20.04	20.18	20.00	20.70
1.4	256QAM	1	3	19.86	19.98	19.81	20.70
1.4	256QAM	1	5	19.79	19.87	19.80	20.70
1.4	256QAM	3	0	19.72	19.79	19.58	20.70
1.4	256QAM	3	1	19.68	19.79	19.60	20.70
1.4	256QAM	3	3	19.70	19.84	19.48	20.70
1.4	256QAM	6	0	19.69	19.77	19.73	20.70

【LTE Band 26_FCC (814~849MHz)_Ant 0_EC13】

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	24.68	24.73	24.69	25.20
15	QPSK	1	37	24.33	24.55	24.39	25.20
15	QPSK	1	74	24.41	24.59	24.39	25.20
15	QPSK	36	0	24.04	24.15	24.06	24.70
15	QPSK	36	20	23.93	24.13	23.89	24.70
15	QPSK	36	39	24.01	24.08	23.96	24.70
15	QPSK	75	0	24.07	24.21	23.97	24.70
15	16QAM	1	0	24.06	24.21	24.03	24.70
15	16QAM	1	37	24.06	24.22	24.03	24.70
15	16QAM	1	74	24.09	24.34	24.24	24.70
15	16QAM	36	0	23.09	23.21	23.09	23.70
15	16QAM	36	20	23.03	23.11	23.02	23.70
15	16QAM	36	39	22.95	23.00	22.85	23.70
15	16QAM	75	0	23.09	23.15	22.97	23.70
15	64QAM	1	0	23.19	23.20	23.06	23.70
15	64QAM	1	37	23.14	23.15	23.01	23.70
15	64QAM	1	74	23.15	23.26	23.15	23.70
15	64QAM	36	0	22.07	22.09	21.94	22.70
15	64QAM	36	20	21.96	22.04	21.87	22.70
15	64QAM	36	39	21.89	22.15	21.93	22.70
15	64QAM	75	0	22.03	22.16	21.99	22.70
15	256QAM	1	0	20.04	20.10	20.04	20.70
15	256QAM	1	37	20.08	20.14	20.04	20.70
15	256QAM	1	74	19.99	20.10	20.03	20.70
15	256QAM	36	0	20.11	20.17	19.89	20.70
15	256QAM	36	20	20.08	20.03	19.97	20.70
15	256QAM	36	39	19.92	20.05	19.98	20.70
15	256QAM	75	0	20.00	20.02	19.94	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.54	24.66	24.66	25.20
10	QPSK	1	25	24.20	24.53	24.32	25.20
10	QPSK	1	49	24.26	24.53	24.33	25.20
10	QPSK	25	0	23.91	24.08	23.94	24.70
10	QPSK	25	12	23.81	24.09	23.80	24.70
10	QPSK	25	25	23.95	24.05	23.91	24.70
10	QPSK	50	0	23.96	24.17	23.93	24.70
10	16QAM	1	0	24.00	24.19	23.97	24.70
10	16QAM	1	25	23.92	24.16	23.94	24.70
10	16QAM	1	49	24.01	24.23	24.21	24.70
10	16QAM	25	0	22.94	23.12	22.95	23.70
10	16QAM	25	12	22.97	23.08	22.91	23.70
10	16QAM	25	25	22.86	22.90	22.72	23.70
10	16QAM	50	0	23.00	23.09	22.94	23.70
10	64QAM	1	0	23.13	23.18	22.94	23.70
10	64QAM	1	25	23.06	23.07	22.98	23.70
10	64QAM	1	49	23.03	23.16	23.10	23.70
10	64QAM	25	0	21.95	22.01	21.90	22.70
10	64QAM	25	12	21.85	21.94	21.86	22.70
10	64QAM	25	25	21.78	22.12	21.87	22.70
10	64QAM	50	0	21.92	22.02	21.92	22.70
10	256QAM	1	0	19.95	20.06	19.92	20.70
10	256QAM	1	25	20.05	20.09	20.00	20.70
10	256QAM	1	49	19.91	20.06	19.95	20.70
10	256QAM	25	0	20.10	20.13	19.87	20.70
10	256QAM	25	12	20.02	19.92	19.87	20.70
10	256QAM	25	25	19.87	20.04	19.87	20.70
10	256QAM	50	0	19.88	20.00	19.87	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.62	24.65	24.62	25.20
5	QPSK	1	12	24.28	24.49	24.27	25.20
5	QPSK	1	24	24.31	24.46	24.33	25.20
5	QPSK	12	0	24.03	24.11	23.94	24.70
5	QPSK	12	7	23.80	24.07	23.75	24.70
5	QPSK	12	13	23.94	23.97	23.90	24.70
5	QPSK	25	0	23.93	24.08	23.85	24.70
5	16QAM	1	0	24.03	24.16	23.97	24.70
5	16QAM	1	12	24.04	24.15	24.01	24.70
5	16QAM	1	24	24.07	24.29	24.22	24.70
5	16QAM	12	0	22.98	23.08	22.95	23.70



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5	16QAM	12	7	22.89	23.09	22.97	23.70
5	16QAM	12	13	22.80	22.97	22.71	23.70
5	16QAM	25	0	23.01	23.10	22.96	23.70
5	64QAM	1	0	23.10	23.19	23.01	23.70
5	64QAM	1	12	23.10	23.00	22.91	23.70
5	64QAM	1	24	23.01	23.15	23.04	23.70
5	64QAM	12	0	21.99	21.98	21.92	22.70
5	64QAM	12	7	21.82	21.95	21.74	22.70
5	64QAM	12	13	21.79	22.01	21.88	22.70
5	64QAM	25	0	21.99	22.02	21.94	22.70
5	256QAM	1	0	20.00	19.99	20.03	20.70
5	256QAM	1	12	20.03	20.11	19.92	20.70
5	256QAM	1	24	19.90	20.08	19.92	20.70
5	256QAM	12	0	20.01	20.12	19.81	20.70
5	256QAM	12	7	19.97	19.93	19.92	20.70
5	256QAM	12	13	19.91	20.00	19.86	20.70
5	256QAM	25	0	19.90	19.92	19.87	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.60	24.64	24.56	25.20
3	QPSK	1	8	24.30	24.52	24.29	25.20
3	QPSK	1	14	24.36	24.48	24.29	25.20
3	QPSK	8	0	24.01	24.12	23.97	24.70
3	QPSK	8	4	23.84	24.07	23.87	24.70
3	QPSK	8	7	24.00	24.04	23.92	24.70
3	QPSK	15	0	24.00	24.11	23.86	24.70
3	16QAM	1	0	23.95	24.07	23.91	24.70
3	16QAM	1	8	23.94	24.21	23.96	24.70
3	16QAM	1	14	24.00	24.25	24.20	24.70
3	16QAM	8	0	23.04	23.06	23.06	23.70
3	16QAM	8	4	22.91	23.02	22.96	23.70
3	16QAM	8	7	22.93	22.93	22.79	23.70
3	16QAM	15	0	22.98	23.07	22.84	23.70
3	64QAM	1	0	23.08	23.17	22.93	23.70
3	64QAM	1	8	23.11	23.04	22.95	23.70
3	64QAM	1	14	23.05	23.23	23.05	23.70
3	64QAM	8	0	22.05	22.01	21.86	22.70
3	64QAM	8	4	21.91	21.99	21.85	22.70
3	64QAM	8	7	21.85	22.11	21.85	22.70
3	64QAM	15	0	21.92	22.03	21.95	22.70
3	256QAM	1	0	20.00	19.98	19.95	20.70
3	256QAM	1	8	19.94	20.02	20.03	20.70
3	256QAM	1	14	19.84	20.08	20.00	20.70
3	256QAM	8	0	19.97	20.05	19.85	20.70
3	256QAM	8	4	19.95	19.91	19.83	20.70
3	256QAM	8	7	19.79	20.01	19.91	20.70
3	256QAM	15	0	19.93	19.97	19.80	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.59	24.69	24.66	25.20
1.4	QPSK	1	3	24.19	24.53	24.27	25.20
1.4	QPSK	1	5	24.32	24.56	24.32	25.20
1.4	QPSK	3	0	24.39	24.60	24.46	25.20
1.4	QPSK	3	1	24.33	24.57	24.27	25.20
1.4	QPSK	3	3	24.43	24.55	24.36	25.20
1.4	QPSK	6	0	23.95	24.17	23.90	24.70
1.4	16QAM	1	0	24.05	24.12	24.01	24.70
1.4	16QAM	1	3	23.96	24.19	23.89	24.70
1.4	16QAM	1	5	24.04	24.22	24.18	24.70
1.4	16QAM	3	0	24.00	24.16	24.02	24.70
1.4	16QAM	3	1	23.96	24.02	24.00	24.70
1.4	16QAM	3	3	23.82	23.89	23.72	24.70
1.4	16QAM	6	0	22.98	23.03	22.83	23.70
1.4	64QAM	1	0	23.07	23.09	22.92	23.70
1.4	64QAM	1	3	23.07	23.06	22.94	23.70
1.4	64QAM	1	5	23.02	23.18	23.09	23.70
1.4	64QAM	3	0	23.05	23.02	22.89	23.70
1.4	64QAM	3	1	22.87	22.95	22.79	23.70
1.4	64QAM	3	3	22.79	23.03	22.86	23.70
1.4	64QAM	6	0	21.98	22.04	21.97	22.70
1.4	256QAM	1	0	20.01	19.96	19.91	20.70
1.4	256QAM	1	3	20.04	20.07	19.92	20.70
1.4	256QAM	1	5	19.88	20.08	19.94	20.70
1.4	256QAM	3	0	19.98	20.04	19.79	20.70
1.4	256QAM	3	1	19.95	19.96	19.93	20.70
1.4	256QAM	3	3	19.79	19.97	19.83	20.70
1.4	256QAM	6	0	19.98	19.99	19.85	20.70

【LTE Band 26_FCC (814~849MHz)_Ant 0_ECI4】

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	24.68	24.73	24.69	25.20
15	QPSK	1	37	24.33	24.55	24.39	25.20
15	QPSK	1	74	24.41	24.59	24.39	25.20
15	QPSK	36	0	24.04	24.15	24.06	24.70
15	QPSK	36	20	23.93	24.13	23.89	24.70
15	QPSK	36	39	24.01	24.08	23.96	24.70
15	QPSK	75	0	24.07	24.21	23.97	24.70
15	16QAM	1	0	24.06	24.21	24.03	24.70
15	16QAM	1	37	24.06	24.22	24.03	24.70
15	16QAM	1	74	24.09	24.34	24.24	24.70
15	16QAM	36	0	23.09	23.21	23.09	23.70
15	16QAM	36	20	23.03	23.11	23.02	23.70
15	16QAM	36	39	22.95	23.00	22.85	23.70
15	16QAM	75	0	23.09	23.15	22.97	23.70
15	64QAM	1	0	23.19	23.20	23.06	23.70
15	64QAM	1	37	23.14	23.15	23.01	23.70
15	64QAM	1	74	23.15	23.26	23.15	23.70
15	64QAM	36	0	22.07	22.09	21.94	22.70
15	64QAM	36	20	21.96	22.04	21.87	22.70
15	64QAM	36	39	21.89	22.15	21.93	22.70
15	64QAM	75	0	22.03	22.16	21.99	22.70
15	256QAM	1	0	20.04	20.10	20.04	20.70
15	256QAM	1	37	20.08	20.14	20.04	20.70
15	256QAM	1	74	19.99	20.10	20.03	20.70
15	256QAM	36	0	20.11	20.17	19.89	20.70
15	256QAM	36	20	20.08	20.03	19.97	20.70
15	256QAM	36	39	19.92	20.05	19.98	20.70
15	256QAM	75	0	20.00	20.02	19.94	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.54	24.66	24.66	25.20
10	QPSK	1	25	24.20	24.53	24.32	25.20
10	QPSK	1	49	24.26	24.53	24.33	25.20
10	QPSK	25	0	23.91	24.08	23.94	24.70
10	QPSK	25	12	23.81	24.09	23.80	24.70
10	QPSK	25	25	23.95	24.05	23.91	24.70
10	QPSK	50	0	23.96	24.17	23.93	24.70
10	16QAM	1	0	24.00	24.19	23.97	24.70
10	16QAM	1	25	23.92	24.16	23.94	24.70
10	16QAM	1	49	24.01	24.23	24.21	24.70
10	16QAM	25	0	22.94	23.12	22.95	23.70
10	16QAM	25	12	22.97	23.08	22.91	23.70
10	16QAM	25	25	22.86	22.90	22.72	23.70
10	16QAM	50	0	23.00	23.09	22.94	23.70
10	64QAM	1	0	23.13	23.18	22.94	23.70
10	64QAM	1	25	23.06	23.07	22.98	23.70
10	64QAM	1	49	23.03	23.16	23.10	23.70
10	64QAM	25	0	21.95	22.01	21.90	22.70
10	64QAM	25	12	21.85	21.94	21.86	22.70
10	64QAM	25	25	21.78	22.12	21.87	22.70
10	64QAM	50	0	21.92	22.02	21.92	22.70
10	256QAM	1	0	19.95	20.06	19.92	20.70
10	256QAM	1	25	20.05	20.09	20.00	20.70
10	256QAM	1	49	19.91	20.06	19.95	20.70
10	256QAM	25	0	20.10	20.13	19.87	20.70
10	256QAM	25	12	20.02	19.92	19.87	20.70
10	256QAM	25	25	19.87	20.04	19.87	20.70
10	256QAM	50	0	19.88	20.00	19.87	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.62	24.65	24.62	25.20
5	QPSK	1	12	24.28	24.49	24.27	25.20
5	QPSK	1	24	24.31	24.46	24.33	25.20
5	QPSK	12	0	24.03	24.11	23.94	24.70
5	QPSK	12	7	23.80	24.07	23.75	24.70
5	QPSK	12	13	23.94	23.97	23.90	24.70
5	QPSK	25	0	23.93	24.08	23.85	24.70
5	16QAM	1	0	24.03	24.16	23.97	24.70
5	16QAM	1	12	24.04	24.15	24.01	24.70
5	16QAM	1	24	24.07	24.29	24.22	24.70
5	16QAM	12	0	22.98	23.08	22.95	23.70



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5	16QAM	12	7	22.89	23.09	22.97	23.70
5	16QAM	12	13	22.80	22.97	22.71	23.70
5	16QAM	25	0	23.01	23.10	22.96	23.70
5	64QAM	1	0	23.10	23.19	23.01	23.70
5	64QAM	1	12	23.10	23.00	22.91	23.70
5	64QAM	1	24	23.01	23.15	23.04	23.70
5	64QAM	12	0	21.99	21.98	21.92	22.70
5	64QAM	12	7	21.82	21.95	21.74	22.70
5	64QAM	12	13	21.79	22.01	21.88	22.70
5	64QAM	25	0	21.99	22.02	21.94	22.70
5	256QAM	1	0	20.00	19.99	20.03	20.70
5	256QAM	1	12	20.03	20.11	19.92	20.70
5	256QAM	1	24	19.90	20.08	19.92	20.70
5	256QAM	12	0	20.01	20.12	19.81	20.70
5	256QAM	12	7	19.97	19.93	19.92	20.70
5	256QAM	12	13	19.91	20.00	19.86	20.70
5	256QAM	25	0	19.90	19.92	19.87	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.60	24.64	24.56	25.20
3	QPSK	1	8	24.30	24.52	24.29	25.20
3	QPSK	1	14	24.36	24.48	24.29	25.20
3	QPSK	8	0	24.01	24.12	23.97	24.70
3	QPSK	8	4	23.84	24.07	23.87	24.70
3	QPSK	8	7	24.00	24.04	23.92	24.70
3	QPSK	15	0	24.00	24.11	23.86	24.70
3	16QAM	1	0	23.95	24.07	23.91	24.70
3	16QAM	1	8	23.94	24.21	23.96	24.70
3	16QAM	1	14	24.00	24.25	24.20	24.70
3	16QAM	8	0	23.04	23.06	23.06	23.70
3	16QAM	8	4	22.91	23.02	22.96	23.70
3	16QAM	8	7	22.93	22.93	22.79	23.70
3	16QAM	15	0	22.98	23.07	22.84	23.70
3	64QAM	1	0	23.08	23.17	22.93	23.70
3	64QAM	1	8	23.11	23.04	22.95	23.70
3	64QAM	1	14	23.05	23.23	23.05	23.70
3	64QAM	8	0	22.05	22.01	21.86	22.70
3	64QAM	8	4	21.91	21.99	21.85	22.70
3	64QAM	8	7	21.85	22.11	21.85	22.70
3	64QAM	15	0	21.92	22.03	21.95	22.70
3	256QAM	1	0	20.00	19.98	19.95	20.70
3	256QAM	1	8	19.94	20.02	20.03	20.70
3	256QAM	1	14	19.84	20.08	20.00	20.70
3	256QAM	8	0	19.97	20.05	19.85	20.70
3	256QAM	8	4	19.95	19.91	19.83	20.70
3	256QAM	8	7	19.79	20.01	19.91	20.70
3	256QAM	15	0	19.93	19.97	19.80	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.59	24.69	24.66	25.20
1.4	QPSK	1	3	24.19	24.53	24.27	25.20
1.4	QPSK	1	5	24.32	24.56	24.32	25.20
1.4	QPSK	3	0	24.39	24.60	24.46	25.20
1.4	QPSK	3	1	24.33	24.57	24.27	25.20
1.4	QPSK	3	3	24.43	24.55	24.36	25.20
1.4	QPSK	6	0	23.95	24.17	23.90	24.70
1.4	16QAM	1	0	24.05	24.12	24.01	24.70
1.4	16QAM	1	3	23.96	24.19	23.89	24.70
1.4	16QAM	1	5	24.04	24.22	24.18	24.70
1.4	16QAM	3	0	24.00	24.16	24.02	24.70
1.4	16QAM	3	1	23.96	24.02	24.00	24.70
1.4	16QAM	3	3	23.82	23.89	23.72	24.70
1.4	16QAM	6	0	22.98	23.03	22.83	23.70
1.4	64QAM	1	0	23.07	23.09	22.92	23.70
1.4	64QAM	1	3	23.07	23.06	22.94	23.70
1.4	64QAM	1	5	23.02	23.18	23.09	23.70
1.4	64QAM	3	0	23.05	23.02	22.89	23.70
1.4	64QAM	3	1	22.87	22.95	22.79	23.70
1.4	64QAM	3	3	22.79	23.03	22.86	23.70
1.4	64QAM	6	0	21.98	22.04	21.97	22.70
1.4	256QAM	1	0	20.01	19.96	19.91	20.70
1.4	256QAM	1	3	20.04	20.07	19.92	20.70
1.4	256QAM	1	5	19.88	20.08	19.94	20.70
1.4	256QAM	3	0	19.98	20.04	19.79	20.70
1.4	256QAM	3	1	19.95	19.96	19.93	20.70
1.4	256QAM	3	3	19.79	19.97	19.83	20.70
1.4	256QAM	6	0	19.98	19.99	19.85	20.70

【LTE Band 26_FCC (814~849MHz)_Ant 0_ECI5】

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	24.68	24.73	24.69	25.20
15	QPSK	1	37	24.33	24.55	24.39	25.20
15	QPSK	1	74	24.41	24.59	24.39	25.20
15	QPSK	36	0	24.04	24.15	24.06	24.70
15	QPSK	36	20	23.93	24.13	23.89	24.70
15	QPSK	36	39	24.01	24.08	23.96	24.70
15	QPSK	75	0	24.07	24.21	23.97	24.70
15	16QAM	1	0	24.06	24.21	24.03	24.70
15	16QAM	1	37	24.06	24.22	24.03	24.70
15	16QAM	1	74	24.09	24.34	24.24	24.70
15	16QAM	36	0	23.09	23.21	23.09	23.70
15	16QAM	36	20	23.03	23.11	23.02	23.70
15	16QAM	36	39	22.95	23.00	22.85	23.70
15	16QAM	75	0	23.09	23.15	22.97	23.70
15	64QAM	1	0	23.19	23.20	23.06	23.70
15	64QAM	1	37	23.14	23.15	23.01	23.70
15	64QAM	1	74	23.15	23.26	23.15	23.70
15	64QAM	36	0	22.07	22.09	21.94	22.70
15	64QAM	36	20	21.96	22.04	21.87	22.70
15	64QAM	36	39	21.89	22.15	21.93	22.70
15	64QAM	75	0	22.03	22.16	21.99	22.70
15	256QAM	1	0	20.04	20.10	20.04	20.70
15	256QAM	1	37	20.08	20.14	20.04	20.70
15	256QAM	1	74	19.99	20.10	20.03	20.70
15	256QAM	36	0	20.11	20.17	19.89	20.70
15	256QAM	36	20	20.08	20.03	19.97	20.70
15	256QAM	36	39	19.92	20.05	19.98	20.70
15	256QAM	75	0	20.00	20.02	19.94	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.54	24.66	24.66	25.20
10	QPSK	1	25	24.20	24.53	24.32	25.20
10	QPSK	1	49	24.26	24.53	24.33	25.20
10	QPSK	25	0	23.91	24.08	23.94	24.70
10	QPSK	25	12	23.81	24.09	23.80	24.70
10	QPSK	25	25	23.95	24.05	23.91	24.70
10	QPSK	50	0	23.96	24.17	23.93	24.70
10	16QAM	1	0	24.00	24.19	23.97	24.70
10	16QAM	1	25	23.92	24.16	23.94	24.70
10	16QAM	1	49	24.01	24.23	24.21	24.70
10	16QAM	25	0	22.94	23.12	22.95	23.70
10	16QAM	25	12	22.97	23.08	22.91	23.70
10	16QAM	25	25	22.86	22.90	22.72	23.70
10	16QAM	50	0	23.00	23.09	22.94	23.70
10	64QAM	1	0	23.13	23.18	22.94	23.70
10	64QAM	1	25	23.06	23.07	22.98	23.70
10	64QAM	1	49	23.03	23.16	23.10	23.70
10	64QAM	25	0	21.95	22.01	21.90	22.70
10	64QAM	25	12	21.85	21.94	21.86	22.70
10	64QAM	25	25	21.78	22.12	21.87	22.70
10	64QAM	50	0	21.92	22.02	21.92	22.70
10	256QAM	1	0	19.95	20.06	19.92	20.70
10	256QAM	1	25	20.05	20.09	20.00	20.70
10	256QAM	1	49	19.91	20.06	19.95	20.70
10	256QAM	25	0	20.10	20.13	19.87	20.70
10	256QAM	25	12	20.02	19.92	19.87	20.70
10	256QAM	25	25	19.87	20.04	19.87	20.70
10	256QAM	50	0	19.88	20.00	19.87	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.62	24.65	24.62	25.20
5	QPSK	1	12	24.28	24.49	24.27	25.20
5	QPSK	1	24	24.31	24.46	24.33	25.20
5	QPSK	12	0	24.03	24.11	23.94	24.70
5	QPSK	12	7	23.80	24.07	23.75	24.70
5	QPSK	12	13	23.94	23.97	23.90	24.70
5	QPSK	25	0	23.93	24.08	23.85	24.70
5	16QAM	1	0	24.03	24.16	23.97	24.70
5	16QAM	1	12	24.04	24.15	24.01	24.70
5	16QAM	1	24	24.07	24.29	24.22	24.70
5	16QAM	12	0	22.98	23.08	22.95	23.70



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5	16QAM	12	7	22.89	23.09	22.97	23.70
5	16QAM	12	13	22.80	22.97	22.71	23.70
5	16QAM	25	0	23.01	23.10	22.96	23.70
5	64QAM	1	0	23.10	23.19	23.01	23.70
5	64QAM	1	12	23.10	23.00	22.91	23.70
5	64QAM	1	24	23.01	23.15	23.04	23.70
5	64QAM	12	0	21.99	21.98	21.92	22.70
5	64QAM	12	7	21.82	21.95	21.74	22.70
5	64QAM	12	13	21.79	22.01	21.88	22.70
5	64QAM	25	0	21.99	22.02	21.94	22.70
5	256QAM	1	0	20.00	19.99	20.03	20.70
5	256QAM	1	12	20.03	20.11	19.92	20.70
5	256QAM	1	24	19.90	20.08	19.92	20.70
5	256QAM	12	0	20.01	20.12	19.81	20.70
5	256QAM	12	7	19.97	19.93	19.92	20.70
5	256QAM	12	13	19.91	20.00	19.86	20.70
5	256QAM	25	0	19.90	19.92	19.87	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.60	24.64	24.56	25.20
3	QPSK	1	8	24.30	24.52	24.29	25.20
3	QPSK	1	14	24.36	24.48	24.29	25.20
3	QPSK	8	0	24.01	24.12	23.97	24.70
3	QPSK	8	4	23.84	24.07	23.87	24.70
3	QPSK	8	7	24.00	24.04	23.92	24.70
3	QPSK	15	0	24.00	24.11	23.86	24.70
3	16QAM	1	0	23.95	24.07	23.91	24.70
3	16QAM	1	8	23.94	24.21	23.96	24.70
3	16QAM	1	14	24.00	24.25	24.20	24.70
3	16QAM	8	0	23.04	23.06	23.06	23.70
3	16QAM	8	4	22.91	23.02	22.96	23.70
3	16QAM	8	7	22.93	22.93	22.79	23.70
3	16QAM	15	0	22.98	23.07	22.84	23.70
3	64QAM	1	0	23.08	23.17	22.93	23.70
3	64QAM	1	8	23.11	23.04	22.95	23.70
3	64QAM	1	14	23.05	23.23	23.05	23.70
3	64QAM	8	0	22.05	22.01	21.86	22.70
3	64QAM	8	4	21.91	21.99	21.85	22.70
3	64QAM	8	7	21.85	22.11	21.85	22.70
3	64QAM	15	0	21.92	22.03	21.95	22.70
3	256QAM	1	0	20.00	19.98	19.95	20.70
3	256QAM	1	8	19.94	20.02	20.03	20.70
3	256QAM	1	14	19.84	20.08	20.00	20.70
3	256QAM	8	0	19.97	20.05	19.85	20.70
3	256QAM	8	4	19.95	19.91	19.83	20.70
3	256QAM	8	7	19.79	20.01	19.91	20.70
3	256QAM	15	0	19.93	19.97	19.80	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.59	24.69	24.66	25.20
1.4	QPSK	1	3	24.19	24.53	24.27	25.20
1.4	QPSK	1	5	24.32	24.56	24.32	25.20
1.4	QPSK	3	0	24.39	24.60	24.46	25.20
1.4	QPSK	3	1	24.33	24.57	24.27	25.20
1.4	QPSK	3	3	24.43	24.55	24.36	25.20
1.4	QPSK	6	0	23.95	24.17	23.90	24.70
1.4	16QAM	1	0	24.05	24.12	24.01	24.70
1.4	16QAM	1	3	23.96	24.19	23.89	24.70
1.4	16QAM	1	5	24.04	24.22	24.18	24.70
1.4	16QAM	3	0	24.00	24.16	24.02	24.70
1.4	16QAM	3	1	23.96	24.02	24.00	24.70
1.4	16QAM	3	3	23.82	23.89	23.72	24.70
1.4	16QAM	6	0	22.98	23.03	22.83	23.70
1.4	64QAM	1	0	23.07	23.09	22.92	23.70
1.4	64QAM	1	3	23.07	23.06	22.94	23.70
1.4	64QAM	1	5	23.02	23.18	23.09	23.70
1.4	64QAM	3	0	23.05	23.02	22.89	23.70
1.4	64QAM	3	1	22.87	22.95	22.79	23.70
1.4	64QAM	3	3	22.79	23.03	22.86	23.70
1.4	64QAM	6	0	21.98	22.04	21.97	22.70
1.4	256QAM	1	0	20.01	19.96	19.91	20.70
1.4	256QAM	1	3	20.04	20.07	19.92	20.70
1.4	256QAM	1	5	19.88	20.08	19.94	20.70
1.4	256QAM	3	0	19.98	20.04	19.79	20.70
1.4	256QAM	3	1	19.95	19.96	19.93	20.70
1.4	256QAM	3	3	19.79	19.97	19.83	20.70
1.4	256QAM	6	0	19.98	19.99	19.85	20.70

【LTE Band 26_FCC (814~849MHz)_Ant 1_Default】

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	25.05	25.11	25.06	25.70
15	QPSK	1	37	24.75	24.87	24.77	25.70
15	QPSK	1	74	24.97	25.08	25.00	25.70
15	QPSK	36	0	23.97	24.10	23.94	24.70
15	QPSK	36	20	23.91	24.04	23.91	24.70
15	QPSK	36	39	23.92	24.01	23.83	24.70
15	QPSK	75	0	23.93	24.05	23.91	24.70
15	16QAM	1	0	24.37	24.47	24.38	24.70
15	16QAM	1	37	24.05	24.21	24.13	24.70
15	16QAM	1	74	24.36	24.44	24.35	24.70
15	16QAM	36	0	22.95	23.05	22.89	23.70
15	16QAM	36	20	22.81	23.01	22.93	23.70
15	16QAM	36	39	22.92	23.02	22.88	23.70
15	16QAM	75	0	22.89	23.00	22.94	23.70
15	64QAM	1	0	23.28	23.35	23.28	23.70
15	64QAM	1	37	23.12	23.26	23.09	23.70
15	64QAM	1	74	23.06	23.19	23.02	23.70
15	64QAM	36	0	21.90	22.04	21.98	22.70
15	64QAM	36	20	21.84	22.03	21.91	22.70
15	64QAM	36	39	21.94	22.01	21.86	22.70
15	64QAM	75	0	21.94	22.03	21.86	22.70
15	256QAM	1	0	20.17	20.26	20.07	20.70
15	256QAM	1	37	19.93	20.11	20.03	20.70
15	256QAM	1	74	20.08	20.14	20.02	20.70
15	256QAM	36	0	19.91	20.02	19.95	20.70
15	256QAM	36	20	19.91	20.00	19.88	20.70
15	256QAM	36	39	19.86	19.97	19.89	20.70
15	256QAM	75	0	19.91	20.01	19.87	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	25.02	24.96	24.94	25.70
10	QPSK	1	25	24.66	24.81	24.62	25.70
10	QPSK	1	49	24.86	24.98	24.86	25.70
10	QPSK	25	0	23.95	24.08	23.85	24.70
10	QPSK	25	12	23.85	24.01	23.80	24.70
10	QPSK	25	25	23.88	23.98	23.77	24.70
10	QPSK	50	0	23.92	23.98	23.80	24.70
10	16QAM	1	0	24.28	24.39	24.28	24.70
10	16QAM	1	25	23.98	24.08	24.05	24.70
10	16QAM	1	49	24.24	24.33	24.24	24.70
10	16QAM	25	0	22.92	22.94	22.77	23.70
10	16QAM	25	12	22.76	22.88	22.78	23.70
10	16QAM	25	25	22.84	22.97	22.83	23.70
10	16QAM	50	0	22.86	22.90	22.88	23.70
10	64QAM	1	0	23.20	23.23	23.15	23.70
10	64QAM	1	25	23.02	23.22	23.01	23.70
10	64QAM	1	49	22.92	23.12	22.98	23.70
10	64QAM	25	0	21.88	22.02	21.95	22.70
10	64QAM	25	12	21.70	22.02	21.80	22.70
10	64QAM	25	25	21.83	22.00	21.84	22.70
10	64QAM	50	0	21.90	21.95	21.77	22.70
10	256QAM	1	0	20.16	20.12	20.01	20.70
10	256QAM	1	25	19.90	20.08	19.92	20.70
10	256QAM	1	49	20.06	20.01	19.96	20.70
10	256QAM	25	0	19.78	19.90	19.82	20.70
10	256QAM	25	12	19.85	19.99	19.85	20.70
10	256QAM	25	25	19.84	19.89	19.77	20.70
10	256QAM	50	0	19.86	19.97	19.80	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.95	25.05	24.99	25.70
5	QPSK	1	12	24.62	24.73	24.75	25.70
5	QPSK	1	24	24.85	25.06	24.89	25.70
5	QPSK	12	0	23.88	24.03	23.88	24.70
5	QPSK	12	7	23.78	23.93	23.78	24.70
5	QPSK	12	13	23.88	23.89	23.81	24.70
5	QPSK	25	0	23.85	24.02	23.85	24.70
5	16QAM	1	0	24.23	24.43	24.24	24.70
5	16QAM	1	12	24.01	24.06	24.00	24.70
5	16QAM	1	24	24.24	24.29	24.26	24.70
5	16QAM	12	0	22.93	22.97	22.80	23.70



5	16QAM	12	7	22.78	22.90	22.90	23.70
5	16QAM	12	13	22.84	22.90	22.75	23.70
5	16QAM	25	0	22.88	22.97	22.83	23.70
5	64QAM	1	0	23.26	23.30	23.16	23.70
5	64QAM	1	12	23.08	23.18	22.94	23.70
5	64QAM	1	24	23.01	23.06	22.90	23.70
5	64QAM	12	0	21.86	21.99	21.90	22.70
5	64QAM	12	7	21.80	21.98	21.89	22.70
5	64QAM	12	13	21.80	21.98	21.85	22.70
5	64QAM	25	0	21.93	21.93	21.81	22.70
5	256QAM	1	0	20.08	20.15	19.96	20.70
5	256QAM	1	12	19.81	20.08	20.01	20.70
5	256QAM	1	24	19.96	20.04	19.97	20.70
5	256QAM	12	0	19.87	19.90	19.88	20.70
5	256QAM	12	7	19.90	19.85	19.78	20.70
5	256QAM	12	13	19.82	19.87	19.82	20.70
5	256QAM	25	0	19.84	19.97	19.83	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	25.02	25.02	24.98	25.70
3	QPSK	1	8	24.69	24.76	24.73	25.70
3	QPSK	1	14	24.83	25.00	24.93	25.70
3	QPSK	8	0	23.96	23.96	23.90	24.70
3	QPSK	8	4	23.83	23.96	23.83	24.70
3	QPSK	8	7	23.91	23.96	23.70	24.70
3	QPSK	15	0	23.89	23.94	23.88	24.70
3	16QAM	1	0	24.32	24.36	24.30	24.70
3	16QAM	1	8	23.93	24.18	24.07	24.70
3	16QAM	1	14	24.32	24.33	24.33	24.70
3	16QAM	8	0	22.91	23.00	22.75	23.70
3	16QAM	8	4	22.71	22.99	22.83	23.70
3	16QAM	8	7	22.81	22.94	22.86	23.70
3	16QAM	15	0	22.84	22.99	22.86	23.70
3	64QAM	1	0	23.22	23.24	23.26	23.70
3	64QAM	1	8	23.03	23.11	22.98	23.70
3	64QAM	1	14	22.98	23.13	22.87	23.70
3	64QAM	8	0	21.81	22.03	21.97	22.70
3	64QAM	8	4	21.82	21.97	21.83	22.70
3	64QAM	8	7	21.84	21.90	21.72	22.70
3	64QAM	15	0	21.84	22.01	21.82	22.70
3	256QAM	1	0	20.06	20.15	19.95	20.70
3	256QAM	1	8	19.80	20.02	19.97	20.70
3	256QAM	1	14	20.05	20.05	19.87	20.70
3	256QAM	8	0	19.88	19.96	19.88	20.70
3	256QAM	8	4	19.81	19.97	19.81	20.70
3	256QAM	8	7	19.81	19.86	19.75	20.70
3	256QAM	15	0	19.77	19.93	19.75	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	25.04	25.07	25.04	25.70
1.4	QPSK	1	3	24.62	24.80	24.62	25.70
1.4	QPSK	1	5	24.86	25.01	24.98	25.70
1.4	QPSK	3	0	24.95	25.03	24.78	25.70
1.4	QPSK	3	1	24.79	24.91	24.82	25.70
1.4	QPSK	3	3	24.79	24.91	24.77	25.70
1.4	QPSK	6	0	23.91	23.90	23.85	24.70
1.4	16QAM	1	0	24.26	24.46	24.25	24.70
1.4	16QAM	1	3	24.01	24.13	24.04	24.70
1.4	16QAM	1	5	24.27	24.38	24.24	24.70
1.4	16QAM	3	0	23.91	23.94	23.86	24.70
1.4	16QAM	3	1	23.67	23.89	23.87	24.70
1.4	16QAM	3	3	23.79	23.96	23.85	24.70
1.4	16QAM	6	0	22.83	22.93	22.82	23.70
1.4	64QAM	1	0	23.15	23.24	23.17	23.70
1.4	64QAM	1	3	23.04	23.19	23.04	23.70
1.4	64QAM	1	5	22.91	23.18	22.95	23.70
1.4	64QAM	3	0	22.78	22.99	22.94	23.70
1.4	64QAM	3	1	22.80	22.95	22.79	23.70
1.4	64QAM	3	3	22.82	22.93	22.77	23.70
1.4	64QAM	6	0	21.92	21.94	21.77	22.70
1.4	256QAM	1	0	20.09	20.20	20.00	20.70
1.4	256QAM	1	3	19.90	20.04	19.92	20.70
1.4	256QAM	1	5	19.95	20.13	19.94	20.70
1.4	256QAM	3	0	19.89	19.92	19.91	20.70
1.4	256QAM	3	1	19.81	19.88	19.74	20.70
1.4	256QAM	3	3	19.74	19.95	19.80	20.70
1.4	256QAM	6	0	19.89	19.95	19.85	20.70

**【LTE Band 26_FCC (814~849MHz)_Ant 1_ECI1】**

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	21.51	21.58	21.53	22.20
15	QPSK	1	37	21.33	21.46	21.39	22.20
15	QPSK	1	74	21.26	21.43	21.30	22.20
15	QPSK	36	0	21.44	21.55	21.46	22.20
15	QPSK	36	20	21.38	21.51	21.37	22.20
15	QPSK	36	39	21.28	21.48	21.29	22.20
15	QPSK	75	0	21.25	21.43	21.28	22.20
15	16QAM	1	0	21.27	21.46	21.34	22.20
15	16QAM	1	37	21.20	21.41	21.30	22.20
15	16QAM	1	74	21.23	21.43	21.25	22.20
15	16QAM	36	0	21.25	21.44	21.32	22.20
15	16QAM	36	20	21.26	21.36	21.26	22.20
15	16QAM	36	39	21.28	21.42	21.32	22.20
15	16QAM	75	0	21.30	21.41	21.33	22.20
15	64QAM	1	0	21.16	21.34	21.19	22.20
15	64QAM	1	37	21.29	21.43	21.26	22.20
15	64QAM	1	74	21.17	21.38	21.28	22.20
15	64QAM	36	0	21.22	21.37	21.27	22.20
15	64QAM	36	20	21.18	21.38	21.29	22.20
15	64QAM	36	39	21.17	21.25	21.14	22.20
15	64QAM	75	0	21.25	21.42	21.27	22.20
15	256QAM	1	0	19.92	20.06	19.87	20.70
15	256QAM	1	37	19.88	20.01	19.82	20.70
15	256QAM	1	74	19.82	19.94	19.81	20.70
15	256QAM	36	0	19.91	19.99	19.83	20.70
15	256QAM	36	20	19.79	19.98	19.85	20.70
15	256QAM	36	39	19.80	19.92	19.78	20.70
15	256QAM	75	0	19.75	19.95	19.86	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.37	21.45	21.51	22.20
10	QPSK	1	25	21.24	21.34	21.33	22.20
10	QPSK	1	49	21.22	21.34	21.28	22.20
10	QPSK	25	0	21.42	21.42	21.39	22.20
10	QPSK	25	12	21.33	21.50	21.35	22.20
10	QPSK	25	25	21.16	21.41	21.24	22.20
10	QPSK	50	0	21.18	21.39	21.14	22.20
10	16QAM	1	0	21.17	21.38	21.23	22.20
10	16QAM	1	25	21.06	21.28	21.17	22.20
10	16QAM	1	49	21.18	21.37	21.14	22.20
10	16QAM	25	0	21.18	21.34	21.18	22.20
10	16QAM	25	12	21.24	21.26	21.19	22.20
10	16QAM	25	25	21.15	21.36	21.18	22.20
10	16QAM	50	0	21.23	21.32	21.31	22.20
10	64QAM	1	0	21.08	21.24	21.06	22.20
10	64QAM	1	25	21.23	21.34	21.17	22.20
10	64QAM	1	49	21.12	21.37	21.14	22.20
10	64QAM	25	0	21.07	21.22	21.24	22.20
10	64QAM	25	12	21.08	21.33	21.27	22.20
10	64QAM	25	25	21.14	21.17	21.10	22.20
10	64QAM	50	0	21.18	21.34	21.18	22.20
10	256QAM	1	0	19.89	20.01	19.74	20.70
10	256QAM	1	25	19.76	19.92	19.69	20.70
10	256QAM	1	49	19.80	19.92	19.74	20.70
10	256QAM	25	0	19.82	19.84	19.80	20.70
10	256QAM	25	12	19.69	19.95	19.72	20.70
10	256QAM	25	25	19.68	19.91	19.75	20.70
10	256QAM	50	0	19.63	19.84	19.73	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.38	21.45	21.39	22.20
5	QPSK	1	12	21.18	21.39	21.38	22.20
5	QPSK	1	24	21.16	21.36	21.28	22.20
5	QPSK	12	0	21.41	21.49	21.34	22.20
5	QPSK	12	7	21.32	21.42	21.30	22.20
5	QPSK	12	13	21.21	21.38	21.16	22.20
5	QPSK	25	0	21.18	21.38	21.14	22.20
5	16QAM	1	0	21.18	21.38	21.21	22.20
5	16QAM	1	12	21.06	21.33	21.25	22.20
5	16QAM	1	24	21.12	21.38	21.13	22.20
5	16QAM	12	0	21.12	21.42	21.19	22.20



5	16QAM	12	7	21.15	21.32	21.21	22.20
5	16QAM	12	13	21.17	21.33	21.27	22.20
5	16QAM	25	0	21.18	21.39	21.30	22.20
5	64QAM	1	0	21.01	21.24	21.17	22.20
5	64QAM	1	12	21.16	21.38	21.19	22.20
5	64QAM	1	24	21.10	21.26	21.21	22.20
5	64QAM	12	0	21.12	21.26	21.23	22.20
5	64QAM	12	7	21.06	21.32	21.22	22.20
5	64QAM	12	13	21.14	21.15	21.08	22.20
5	64QAM	25	0	21.19	21.38	21.20	22.20
5	256QAM	1	0	19.78	19.94	19.78	20.70
5	256QAM	1	12	19.78	19.88	19.72	20.70
5	256QAM	1	24	19.75	19.86	19.71	20.70
5	256QAM	12	0	19.87	19.94	19.69	20.70
5	256QAM	12	7	19.69	19.90	19.71	20.70
5	256QAM	12	13	19.66	19.88	19.69	20.70
5	256QAM	25	0	19.72	19.88	19.84	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.47	21.48	21.46	22.20
3	QPSK	1	8	21.21	21.43	21.35	22.20
3	QPSK	1	14	21.17	21.28	21.19	22.20
3	QPSK	8	0	21.37	21.51	21.37	22.20
3	QPSK	8	4	21.31	21.41	21.30	22.20
3	QPSK	8	7	21.19	21.47	21.19	22.20
3	QPSK	15	0	21.22	21.39	21.23	22.20
3	16QAM	1	0	21.16	21.43	21.28	22.20
3	16QAM	1	8	21.15	21.38	21.25	22.20
3	16QAM	1	14	21.18	21.38	21.14	22.20
3	16QAM	8	0	21.21	21.39	21.20	22.20
3	16QAM	8	4	21.12	21.25	21.16	22.20
3	16QAM	8	7	21.21	21.34	21.22	22.20
3	16QAM	15	0	21.19	21.39	21.30	22.20
3	64QAM	1	0	21.07	21.31	21.12	22.20
3	64QAM	1	8	21.28	21.38	21.13	22.20
3	64QAM	1	14	21.05	21.35	21.14	22.20
3	64QAM	8	0	21.08	21.24	21.13	22.20
3	64QAM	8	4	21.14	21.23	21.25	22.20
3	64QAM	8	7	21.04	21.12	21.00	22.20
3	64QAM	15	0	21.19	21.38	21.23	22.20
3	256QAM	1	0	19.83	19.98	19.74	20.70
3	256QAM	1	8	19.81	19.93	19.75	20.70
3	256QAM	1	14	19.77	19.91	19.71	20.70
3	256QAM	8	0	19.85	19.84	19.73	20.70
3	256QAM	8	4	19.70	19.95	19.77	20.70
3	256QAM	8	7	19.75	19.87	19.68	20.70
3	256QAM	15	0	19.63	19.83	19.71	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.44	21.49	21.43	22.20
1.4	QPSK	1	3	21.24	21.31	21.30	22.20
1.4	QPSK	1	5	21.11	21.41	21.19	22.20
1.4	QPSK	3	0	21.40	21.43	21.44	22.20
1.4	QPSK	3	1	21.29	21.43	21.26	22.20
1.4	QPSK	3	3	21.22	21.38	21.14	22.20
1.4	QPSK	6	0	21.21	21.32	21.17	22.20
1.4	16QAM	1	0	21.17	21.42	21.22	22.20
1.4	16QAM	1	3	21.15	21.27	21.27	22.20
1.4	16QAM	1	5	21.12	21.34	21.14	22.20
1.4	16QAM	3	0	21.15	21.31	21.27	22.20
1.4	16QAM	3	1	21.11	21.31	21.14	22.20
1.4	16QAM	3	3	21.25	21.33	21.30	22.20
1.4	16QAM	6	0	21.21	21.34	21.21	22.20
1.4	64QAM	1	0	21.09	21.21	21.13	22.20
1.4	64QAM	1	3	21.14	21.38	21.24	22.20
1.4	64QAM	1	5	21.08	21.27	21.22	22.20
1.4	64QAM	3	0	21.17	21.24	21.22	22.20
1.4	64QAM	3	1	21.16	21.36	21.26	22.20
1.4	64QAM	3	3	21.09	21.11	21.12	22.20
1.4	64QAM	6	0	21.18	21.40	21.14	22.20
1.4	256QAM	1	0	19.79	19.94	19.73	20.70
1.4	256QAM	1	3	19.85	19.89	19.71	20.70
1.4	256QAM	1	5	19.68	19.83	19.69	20.70
1.4	256QAM	3	0	19.88	19.98	19.78	20.70
1.4	256QAM	3	1	19.67	19.94	19.74	20.70
1.4	256QAM	3	3	19.69	19.83	19.72	20.70
1.4	256QAM	6	0	19.65	19.92	19.73	20.70



【LTE Band 26_FCC (814~849MHz)_Ant 1_ECI3】

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	21.16	21.18	21.12	21.70
15	QPSK	1	37	20.94	20.98	20.91	21.70
15	QPSK	1	74	20.93	21.06	20.97	21.70
15	QPSK	36	0	21.11	21.12	21.09	21.70
15	QPSK	36	20	20.83	20.95	20.88	21.70
15	QPSK	36	39	20.82	20.94	20.87	21.70
15	QPSK	75	0	21.00	21.06	21.02	21.70
15	16QAM	1	0	20.90	20.94	20.82	21.70
15	16QAM	1	37	20.87	21.02	20.89	21.70
15	16QAM	1	74	20.75	20.88	20.73	21.70
15	16QAM	36	0	20.83	20.94	20.79	21.70
15	16QAM	36	20	20.91	20.97	20.82	21.70
15	16QAM	36	39	20.91	20.99	20.89	21.70
15	16QAM	75	0	20.90	20.96	20.78	21.70
15	64QAM	1	0	20.94	21.00	20.86	21.70
15	64QAM	1	37	20.82	20.91	20.70	21.70
15	64QAM	1	74	20.89	20.93	20.76	21.70
15	64QAM	36	0	20.87	20.96	20.85	21.70
15	64QAM	36	20	20.77	20.94	20.80	21.70
15	64QAM	36	39	20.83	20.92	20.84	21.70
15	64QAM	75	0	20.88	20.98	20.91	21.70
15	256QAM	1	0	20.17	20.26	20.07	20.70
15	256QAM	1	37	19.93	20.11	20.03	20.70
15	256QAM	1	74	20.08	20.14	20.02	20.70
15	256QAM	36	0	19.91	20.02	19.95	20.70
15	256QAM	36	20	19.91	20.00	19.88	20.70
15	256QAM	36	39	19.86	19.97	19.89	20.70
15	256QAM	75	0	19.91	20.01	19.87	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.05	21.16	21.09	21.70
10	QPSK	1	25	20.82	20.93	20.90	21.70
10	QPSK	1	49	20.78	20.92	20.83	21.70
10	QPSK	25	0	21.06	21.10	20.94	21.70
10	QPSK	25	12	20.74	20.83	20.79	21.70
10	QPSK	25	25	20.69	20.80	20.76	21.70
10	QPSK	50	0	20.97	21.05	20.82	21.70
10	16QAM	1	0	20.76	20.80	20.76	21.70
10	16QAM	1	25	20.73	20.98	20.77	21.70
10	16QAM	1	49	20.72	20.78	20.69	21.70
10	16QAM	25	0	20.70	20.85	20.69	21.70
10	16QAM	25	12	20.80	20.96	20.71	21.70
10	16QAM	25	25	20.84	20.93	20.77	21.70
10	16QAM	50	0	20.87	20.83	20.71	21.70
10	64QAM	1	0	20.81	20.98	20.82	21.70
10	64QAM	1	25	20.70	20.83	20.64	21.70
10	64QAM	1	49	20.88	20.90	20.63	21.70
10	64QAM	25	0	20.75	20.93	20.80	21.70
10	64QAM	25	12	20.64	20.86	20.75	21.70
10	64QAM	25	25	20.77	20.79	20.78	21.70
10	64QAM	50	0	20.79	20.91	20.83	21.70
10	256QAM	1	0	20.04	20.13	20.05	20.70
10	256QAM	1	25	19.87	19.99	20.00	20.70
10	256QAM	1	49	20.05	20.04	19.90	20.70
10	256QAM	25	0	19.86	19.95	19.93	20.70
10	256QAM	25	12	19.86	19.96	19.87	20.70
10	256QAM	25	25	19.76	19.95	19.75	20.70
10	256QAM	50	0	19.84	19.96	19.78	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.04	21.07	21.09	21.70
5	QPSK	1	12	20.82	20.85	20.80	21.70
5	QPSK	1	24	20.84	20.93	20.84	21.70
5	QPSK	12	0	20.98	20.98	21.03	21.70
5	QPSK	12	7	20.74	20.80	20.87	21.70
5	QPSK	12	13	20.73	20.84	20.79	21.70
5	QPSK	25	0	20.96	21.01	20.78	21.70
5	16QAM	1	0	20.79	20.88	20.76	21.70
5	16QAM	1	12	20.75	20.88	20.74	21.70
5	16QAM	1	24	20.69	20.82	20.65	21.70
5	16QAM	12	0	20.77	20.89	20.69	21.70



5	16QAM	12	7	20.78	20.95	20.79	21.70
5	16QAM	12	13	20.86	20.93	20.78	21.70
5	16QAM	25	0	20.83	20.85	20.70	21.70
5	64QAM	1	0	20.80	20.88	20.78	21.70
5	64QAM	1	12	20.79	20.84	20.64	21.70
5	64QAM	1	24	20.76	20.87	20.73	21.70
5	64QAM	12	0	20.84	20.88	20.82	21.70
5	64QAM	12	7	20.76	20.81	20.79	21.70
5	64QAM	12	13	20.81	20.88	20.74	21.70
5	64QAM	25	0	20.76	20.88	20.78	21.70
5	256QAM	1	0	20.12	20.18	20.03	20.70
5	256QAM	1	12	19.84	19.97	19.98	20.70
5	256QAM	1	24	19.94	20.08	19.93	20.70
5	256QAM	12	0	19.81	19.96	19.91	20.70
5	256QAM	12	7	19.88	19.86	19.76	20.70
5	256QAM	12	13	19.84	19.93	19.87	20.70
5	256QAM	25	0	19.82	19.99	19.84	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.01	21.04	21.00	21.70
3	QPSK	1	8	20.88	20.93	20.77	21.70
3	QPSK	1	14	20.85	20.94	20.96	21.70
3	QPSK	8	0	21.02	20.98	20.97	21.70
3	QPSK	8	4	20.76	20.90	20.79	21.70
3	QPSK	8	7	20.70	20.93	20.76	21.70
3	QPSK	15	0	20.92	20.96	20.74	21.70
3	16QAM	1	0	20.80	20.83	20.79	21.70
3	16QAM	1	8	20.77	20.91	20.76	21.70
3	16QAM	1	14	20.64	20.86	20.61	21.70
3	16QAM	8	0	20.78	20.92	20.68	21.70
3	16QAM	8	4	20.80	20.82	20.68	21.70
3	16QAM	8	7	20.76	20.95	20.79	21.70
3	16QAM	15	0	20.82	20.92	20.65	21.70
3	64QAM	1	0	20.86	20.86	20.84	21.70
3	64QAM	1	8	20.73	20.85	20.63	21.70
3	64QAM	1	14	20.84	20.89	20.61	21.70
3	64QAM	8	0	20.80	20.85	20.75	21.70
3	64QAM	8	4	20.75	20.91	20.78	21.70
3	64QAM	8	7	20.79	20.84	20.74	21.70
3	64QAM	15	0	20.75	20.86	20.81	21.70
3	256QAM	1	0	20.03	20.13	19.95	20.70
3	256QAM	1	8	19.89	20.00	20.00	20.70
3	256QAM	1	14	20.04	20.01	20.01	20.70
3	256QAM	8	0	19.82	19.91	19.83	20.70
3	256QAM	8	4	19.80	19.90	19.77	20.70
3	256QAM	8	7	19.75	19.84	19.79	20.70
3	256QAM	15	0	19.86	19.95	19.74	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.12	21.17	21.08	21.70
1.4	QPSK	1	3	20.83	20.95	20.76	21.70
1.4	QPSK	1	5	20.89	21.04	20.84	21.70
1.4	QPSK	3	0	21.02	21.07	20.99	21.70
1.4	QPSK	3	1	20.74	20.86	20.86	21.70
1.4	QPSK	3	3	20.74	20.90	20.79	21.70
1.4	QPSK	6	0	20.90	20.97	20.79	21.70
1.4	16QAM	1	0	20.85	20.93	20.79	21.70
1.4	16QAM	1	3	20.76	20.97	20.84	21.70
1.4	16QAM	1	5	20.74	20.78	20.64	21.70
1.4	16QAM	3	0	20.78	20.85	20.67	21.70
1.4	16QAM	3	1	20.83	20.82	20.79	21.70
1.4	16QAM	3	3	20.79	20.89	20.85	21.70
1.4	16QAM	6	0	20.82	20.85	20.64	21.70
1.4	64QAM	1	0	20.82	20.91	20.73	21.70
1.4	64QAM	1	3	20.72	20.87	20.67	21.70
1.4	64QAM	1	5	20.85	20.80	20.65	21.70
1.4	64QAM	3	0	20.72	20.84	20.81	21.70
1.4	64QAM	3	1	20.71	20.81	20.78	21.70
1.4	64QAM	3	3	20.73	20.87	20.72	21.70
1.4	64QAM	6	0	20.79	20.86	20.82	21.70
1.4	256QAM	1	0	20.04	20.17	19.99	20.70
1.4	256QAM	1	3	19.91	20.04	20.00	20.70
1.4	256QAM	1	5	20.04	20.08	19.90	20.70
1.4	256QAM	3	0	19.77	19.97	19.91	20.70
1.4	256QAM	3	1	19.84	19.89	19.75	20.70
1.4	256QAM	3	3	19.72	19.87	19.85	20.70
1.4	256QAM	6	0	19.77	19.95	19.84	20.70



【LTE Band 26_FCC (814~849MHz)_Ant 1_ECI4】

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	25.05	25.11	25.06	25.70
15	QPSK	1	37	24.75	24.87	24.77	25.70
15	QPSK	1	74	24.97	25.08	25.00	25.70
15	QPSK	36	0	23.97	24.10	23.94	24.70
15	QPSK	36	20	23.91	24.04	23.91	24.70
15	QPSK	36	39	23.92	24.01	23.83	24.70
15	QPSK	75	0	23.93	24.05	23.91	24.70
15	16QAM	1	0	24.37	24.47	24.38	24.70
15	16QAM	1	37	24.05	24.21	24.13	24.70
15	16QAM	1	74	24.36	24.44	24.35	24.70
15	16QAM	36	0	22.95	23.05	22.89	23.70
15	16QAM	36	20	22.81	23.01	22.93	23.70
15	16QAM	36	39	22.92	23.02	22.88	23.70
15	16QAM	75	0	22.89	23.00	22.94	23.70
15	64QAM	1	0	23.28	23.35	23.28	23.70
15	64QAM	1	37	23.12	23.26	23.09	23.70
15	64QAM	1	74	23.06	23.19	23.02	23.70
15	64QAM	36	0	21.90	22.04	21.98	22.70
15	64QAM	36	20	21.84	22.03	21.91	22.70
15	64QAM	36	39	21.94	22.01	21.86	22.70
15	64QAM	75	0	21.94	22.03	21.86	22.70
15	256QAM	1	0	20.17	20.26	20.07	20.70
15	256QAM	1	37	19.93	20.11	20.03	20.70
15	256QAM	1	74	20.08	20.14	20.02	20.70
15	256QAM	36	0	19.91	20.02	19.95	20.70
15	256QAM	36	20	19.91	20.00	19.88	20.70
15	256QAM	36	39	19.86	19.97	19.89	20.70
15	256QAM	75	0	19.91	20.01	19.87	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	25.02	24.96	24.94	25.70
10	QPSK	1	25	24.66	24.81	24.62	25.70
10	QPSK	1	49	24.86	24.98	24.86	25.70
10	QPSK	25	0	23.95	24.08	23.85	24.70
10	QPSK	25	12	23.85	24.01	23.80	24.70
10	QPSK	25	25	23.88	23.98	23.77	24.70
10	QPSK	50	0	23.92	23.98	23.80	24.70
10	16QAM	1	0	24.28	24.39	24.28	24.70
10	16QAM	1	25	23.98	24.08	24.05	24.70
10	16QAM	1	49	24.24	24.33	24.24	24.70
10	16QAM	25	0	22.92	22.94	22.77	23.70
10	16QAM	25	12	22.76	22.88	22.78	23.70
10	16QAM	25	25	22.84	22.97	22.83	23.70
10	16QAM	50	0	22.86	22.90	22.88	23.70
10	64QAM	1	0	23.20	23.23	23.15	23.70
10	64QAM	1	25	23.02	23.22	23.01	23.70
10	64QAM	1	49	22.92	23.12	22.98	23.70
10	64QAM	25	0	21.88	22.02	21.95	22.70
10	64QAM	25	12	21.70	22.02	21.80	22.70
10	64QAM	25	25	21.83	22.00	21.84	22.70
10	64QAM	50	0	21.90	21.95	21.77	22.70
10	256QAM	1	0	20.16	20.12	20.01	20.70
10	256QAM	1	25	19.90	20.08	19.92	20.70
10	256QAM	1	49	20.06	20.01	19.96	20.70
10	256QAM	25	0	19.78	19.90	19.82	20.70
10	256QAM	25	12	19.85	19.99	19.85	20.70
10	256QAM	25	25	19.84	19.89	19.77	20.70
10	256QAM	50	0	19.86	19.97	19.80	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.95	25.05	24.99	25.70
5	QPSK	1	12	24.62	24.73	24.75	25.70
5	QPSK	1	24	24.85	25.06	24.89	25.70
5	QPSK	12	0	23.88	24.03	23.88	24.70
5	QPSK	12	7	23.78	23.93	23.78	24.70
5	QPSK	12	13	23.88	23.89	23.81	24.70
5	QPSK	25	0	23.85	24.02	23.85	24.70
5	16QAM	1	0	24.23	24.43	24.24	24.70
5	16QAM	1	12	24.01	24.06	24.00	24.70
5	16QAM	1	24	24.24	24.29	24.26	24.70
5	16QAM	12	0	22.93	22.97	22.80	23.70



5	16QAM	12	7	22.78	22.90	22.90	23.70
5	16QAM	12	13	22.84	22.90	22.75	23.70
5	16QAM	25	0	22.88	22.97	22.83	23.70
5	64QAM	1	0	23.26	23.30	23.16	23.70
5	64QAM	1	12	23.08	23.18	22.94	23.70
5	64QAM	1	24	23.01	23.06	22.90	23.70
5	64QAM	12	0	21.86	21.99	21.90	22.70
5	64QAM	12	7	21.80	21.98	21.89	22.70
5	64QAM	12	13	21.80	21.98	21.85	22.70
5	64QAM	25	0	21.93	21.93	21.81	22.70
5	256QAM	1	0	20.08	20.15	19.96	20.70
5	256QAM	1	12	19.81	20.08	20.01	20.70
5	256QAM	1	24	19.96	20.04	19.97	20.70
5	256QAM	12	0	19.87	19.90	19.88	20.70
5	256QAM	12	7	19.90	19.85	19.78	20.70
5	256QAM	12	13	19.82	19.87	19.82	20.70
5	256QAM	25	0	19.84	19.97	19.83	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	25.02	25.02	24.98	25.70
3	QPSK	1	8	24.69	24.76	24.73	25.70
3	QPSK	1	14	24.83	25.00	24.93	25.70
3	QPSK	8	0	23.96	23.96	23.90	24.70
3	QPSK	8	4	23.83	23.96	23.83	24.70
3	QPSK	8	7	23.91	23.96	23.70	24.70
3	QPSK	15	0	23.89	23.94	23.88	24.70
3	16QAM	1	0	24.32	24.36	24.30	24.70
3	16QAM	1	8	23.93	24.18	24.07	24.70
3	16QAM	1	14	24.32	24.33	24.33	24.70
3	16QAM	8	0	22.91	23.00	22.75	23.70
3	16QAM	8	4	22.71	22.99	22.83	23.70
3	16QAM	8	7	22.81	22.94	22.86	23.70
3	16QAM	15	0	22.84	22.99	22.86	23.70
3	64QAM	1	0	23.22	23.24	23.26	23.70
3	64QAM	1	8	23.03	23.11	22.98	23.70
3	64QAM	1	14	22.98	23.13	22.87	23.70
3	64QAM	8	0	21.81	22.03	21.97	22.70
3	64QAM	8	4	21.82	21.97	21.83	22.70
3	64QAM	8	7	21.84	21.90	21.72	22.70
3	64QAM	15	0	21.84	22.01	21.82	22.70
3	256QAM	1	0	20.06	20.15	19.95	20.70
3	256QAM	1	8	19.80	20.02	19.97	20.70
3	256QAM	1	14	20.05	20.05	19.87	20.70
3	256QAM	8	0	19.88	19.96	19.88	20.70
3	256QAM	8	4	19.81	19.97	19.81	20.70
3	256QAM	8	7	19.81	19.86	19.75	20.70
3	256QAM	15	0	19.77	19.93	19.75	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	25.04	25.07	25.04	25.70
1.4	QPSK	1	3	24.62	24.80	24.62	25.70
1.4	QPSK	1	5	24.86	25.01	24.98	25.70
1.4	QPSK	3	0	24.95	25.03	24.78	25.70
1.4	QPSK	3	1	24.79	24.91	24.82	25.70
1.4	QPSK	3	3	24.79	24.91	24.77	25.70
1.4	QPSK	6	0	23.91	23.90	23.85	24.70
1.4	16QAM	1	0	24.26	24.46	24.25	24.70
1.4	16QAM	1	3	24.01	24.13	24.04	24.70
1.4	16QAM	1	5	24.27	24.38	24.24	24.70
1.4	16QAM	3	0	23.91	23.94	23.86	24.70
1.4	16QAM	3	1	23.67	23.89	23.87	24.70
1.4	16QAM	3	3	23.79	23.96	23.85	24.70
1.4	16QAM	6	0	22.83	22.93	22.82	23.70
1.4	64QAM	1	0	23.15	23.24	23.17	23.70
1.4	64QAM	1	3	23.04	23.19	23.04	23.70
1.4	64QAM	1	5	22.91	23.18	22.95	23.70
1.4	64QAM	3	0	22.78	22.99	22.94	23.70
1.4	64QAM	3	1	22.80	22.95	22.79	23.70
1.4	64QAM	3	3	22.82	22.93	22.77	23.70
1.4	64QAM	6	0	21.92	21.94	21.77	22.70
1.4	256QAM	1	0	20.09	20.20	20.00	20.70
1.4	256QAM	1	3	19.90	20.04	19.92	20.70
1.4	256QAM	1	5	19.95	20.13	19.94	20.70
1.4	256QAM	3	0	19.89	19.92	19.91	20.70
1.4	256QAM	3	1	19.81	19.88	19.74	20.70
1.4	256QAM	3	3	19.74	19.95	19.80	20.70
1.4	256QAM	6	0	19.89	19.95	19.85	20.70



【LTE Band 26_FCC (814~849MHz)_Ant 1_ECI5】

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	21.16	21.18	21.12	21.70
15	QPSK	1	37	20.94	20.98	20.91	21.70
15	QPSK	1	74	20.93	21.06	20.97	21.70
15	QPSK	36	0	21.11	21.12	21.09	21.70
15	QPSK	36	20	20.83	20.95	20.88	21.70
15	QPSK	36	39	20.82	20.94	20.87	21.70
15	QPSK	75	0	21.00	21.06	21.02	21.70
15	16QAM	1	0	20.90	20.94	20.82	21.70
15	16QAM	1	37	20.87	21.02	20.89	21.70
15	16QAM	1	74	20.75	20.88	20.73	21.70
15	16QAM	36	0	20.83	20.94	20.79	21.70
15	16QAM	36	20	20.91	20.97	20.82	21.70
15	16QAM	36	39	20.91	20.99	20.89	21.70
15	16QAM	75	0	20.90	20.96	20.78	21.70
15	64QAM	1	0	20.94	21.00	20.86	21.70
15	64QAM	1	37	20.82	20.91	20.70	21.70
15	64QAM	1	74	20.89	20.93	20.76	21.70
15	64QAM	36	0	20.87	20.96	20.85	21.70
15	64QAM	36	20	20.77	20.94	20.80	21.70
15	64QAM	36	39	20.83	20.92	20.84	21.70
15	64QAM	75	0	20.88	20.98	20.91	21.70
15	256QAM	1	0	20.17	20.26	20.07	20.70
15	256QAM	1	37	19.93	20.11	20.03	20.70
15	256QAM	1	74	20.08	20.14	20.02	20.70
15	256QAM	36	0	19.91	20.02	19.95	20.70
15	256QAM	36	20	19.91	20.00	19.88	20.70
15	256QAM	36	39	19.86	19.97	19.89	20.70
15	256QAM	75	0	19.91	20.01	19.87	20.70
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.05	21.16	21.09	21.70
10	QPSK	1	25	20.82	20.93	20.90	21.70
10	QPSK	1	49	20.78	20.92	20.83	21.70
10	QPSK	25	0	21.06	21.10	20.94	21.70
10	QPSK	25	12	20.74	20.83	20.79	21.70
10	QPSK	25	25	20.69	20.80	20.76	21.70
10	QPSK	50	0	20.97	21.05	20.82	21.70
10	16QAM	1	0	20.76	20.80	20.76	21.70
10	16QAM	1	25	20.73	20.98	20.77	21.70
10	16QAM	1	49	20.72	20.78	20.69	21.70
10	16QAM	25	0	20.70	20.85	20.69	21.70
10	16QAM	25	12	20.80	20.96	20.71	21.70
10	16QAM	25	25	20.84	20.93	20.77	21.70
10	16QAM	50	0	20.87	20.83	20.71	21.70
10	64QAM	1	0	20.81	20.98	20.82	21.70
10	64QAM	1	25	20.70	20.83	20.64	21.70
10	64QAM	1	49	20.88	20.90	20.63	21.70
10	64QAM	25	0	20.75	20.93	20.80	21.70
10	64QAM	25	12	20.64	20.86	20.75	21.70
10	64QAM	25	25	20.77	20.79	20.78	21.70
10	64QAM	50	0	20.79	20.91	20.83	21.70
10	256QAM	1	0	20.04	20.13	20.05	20.70
10	256QAM	1	25	19.87	19.99	20.00	20.70
10	256QAM	1	49	20.05	20.04	19.90	20.70
10	256QAM	25	0	19.86	19.95	19.93	20.70
10	256QAM	25	12	19.86	19.96	19.87	20.70
10	256QAM	25	25	19.76	19.95	19.75	20.70
10	256QAM	50	0	19.84	19.96	19.78	20.70
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.04	21.07	21.09	21.70
5	QPSK	1	12	20.82	20.85	20.80	21.70
5	QPSK	1	24	20.84	20.93	20.84	21.70
5	QPSK	12	0	20.98	20.98	21.03	21.70
5	QPSK	12	7	20.74	20.80	20.87	21.70
5	QPSK	12	13	20.73	20.84	20.79	21.70
5	QPSK	25	0	20.96	21.01	20.78	21.70
5	16QAM	1	0	20.79	20.88	20.76	21.70
5	16QAM	1	12	20.75	20.88	20.74	21.70
5	16QAM	1	24	20.69	20.82	20.65	21.70
5	16QAM	12	0	20.77	20.89	20.69	21.70



5	16QAM	12	7	20.78	20.95	20.79	21.70
5	16QAM	12	13	20.86	20.93	20.78	21.70
5	16QAM	25	0	20.83	20.85	20.70	21.70
5	64QAM	1	0	20.80	20.88	20.78	21.70
5	64QAM	1	12	20.79	20.84	20.64	21.70
5	64QAM	1	24	20.76	20.87	20.73	21.70
5	64QAM	12	0	20.84	20.88	20.82	21.70
5	64QAM	12	7	20.76	20.81	20.79	21.70
5	64QAM	12	13	20.81	20.88	20.74	21.70
5	64QAM	25	0	20.76	20.88	20.78	21.70
5	256QAM	1	0	20.12	20.18	20.03	20.70
5	256QAM	1	12	19.84	19.97	19.98	20.70
5	256QAM	1	24	19.94	20.08	19.93	20.70
5	256QAM	12	0	19.81	19.96	19.91	20.70
5	256QAM	12	7	19.88	19.86	19.76	20.70
5	256QAM	12	13	19.84	19.93	19.87	20.70
5	256QAM	25	0	19.82	19.99	19.84	20.70
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.01	21.04	21.00	21.70
3	QPSK	1	8	20.88	20.93	20.77	21.70
3	QPSK	1	14	20.85	20.94	20.96	21.70
3	QPSK	8	0	21.02	20.98	20.97	21.70
3	QPSK	8	4	20.76	20.90	20.79	21.70
3	QPSK	8	7	20.70	20.93	20.76	21.70
3	QPSK	15	0	20.92	20.96	20.74	21.70
3	16QAM	1	0	20.80	20.83	20.79	21.70
3	16QAM	1	8	20.77	20.91	20.76	21.70
3	16QAM	1	14	20.64	20.86	20.61	21.70
3	16QAM	8	0	20.78	20.92	20.68	21.70
3	16QAM	8	4	20.80	20.82	20.68	21.70
3	16QAM	8	7	20.76	20.95	20.79	21.70
3	16QAM	15	0	20.82	20.92	20.65	21.70
3	64QAM	1	0	20.86	20.86	20.84	21.70
3	64QAM	1	8	20.73	20.85	20.63	21.70
3	64QAM	1	14	20.84	20.89	20.61	21.70
3	64QAM	8	0	20.80	20.85	20.75	21.70
3	64QAM	8	4	20.75	20.91	20.78	21.70
3	64QAM	8	7	20.79	20.84	20.74	21.70
3	64QAM	15	0	20.75	20.86	20.81	21.70
3	256QAM	1	0	20.03	20.13	19.95	20.70
3	256QAM	1	8	19.89	20.00	20.00	20.70
3	256QAM	1	14	20.04	20.01	20.01	20.70
3	256QAM	8	0	19.82	19.91	19.83	20.70
3	256QAM	8	4	19.80	19.90	19.77	20.70
3	256QAM	8	7	19.75	19.84	19.79	20.70
3	256QAM	15	0	19.86	19.95	19.74	20.70
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.12	21.17	21.08	21.70
1.4	QPSK	1	3	20.83	20.95	20.76	21.70
1.4	QPSK	1	5	20.89	21.04	20.84	21.70
1.4	QPSK	3	0	21.02	21.07	20.99	21.70
1.4	QPSK	3	1	20.74	20.86	20.86	21.70
1.4	QPSK	3	3	20.74	20.90	20.79	21.70
1.4	QPSK	6	0	20.90	20.97	20.79	21.70
1.4	16QAM	1	0	20.85	20.93	20.79	21.70
1.4	16QAM	1	3	20.76	20.97	20.84	21.70
1.4	16QAM	1	5	20.74	20.78	20.64	21.70
1.4	16QAM	3	0	20.78	20.85	20.67	21.70
1.4	16QAM	3	1	20.83	20.82	20.79	21.70
1.4	16QAM	3	3	20.79	20.89	20.85	21.70
1.4	16QAM	6	0	20.82	20.85	20.64	21.70
1.4	64QAM	1	0	20.82	20.91	20.73	21.70
1.4	64QAM	1	3	20.72	20.87	20.67	21.70
1.4	64QAM	1	5	20.85	20.80	20.65	21.70
1.4	64QAM	3	0	20.72	20.84	20.81	21.70
1.4	64QAM	3	1	20.71	20.81	20.78	21.70
1.4	64QAM	3	3	20.73	20.87	20.72	21.70
1.4	64QAM	6	0	20.79	20.86	20.82	21.70
1.4	256QAM	1	0	20.04	20.17	19.99	20.70
1.4	256QAM	1	3	19.91	20.04	20.00	20.70
1.4	256QAM	1	5	20.04	20.08	19.90	20.70
1.4	256QAM	3	0	19.77	19.97	19.91	20.70
1.4	256QAM	3	1	19.84	19.89	19.75	20.70
1.4	256QAM	3	3	19.72	19.87	19.85	20.70
1.4	256QAM	6	0	19.77	19.95	19.84	20.70



【LTE Band 38_Ant 2_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.19	25.37	25.32	25.70
20	QPSK	1	49	24.95	25.19	25.03	25.70
20	QPSK	1	99	24.99	25.20	25.03	25.70
20	QPSK	50	0	24.15	24.41	24.28	24.70
20	QPSK	50	24	24.01	24.31	24.14	24.70
20	QPSK	50	50	24.08	24.35	24.27	24.70
20	QPSK	100	0	24.12	24.42	24.24	24.70
20	16QAM	1	0	24.40	24.66	24.53	24.70
20	16QAM	1	49	24.32	24.56	24.41	24.70
20	16QAM	1	99	24.37	24.57	24.38	24.70
20	16QAM	50	0	23.25	23.43	23.35	23.70
20	16QAM	50	24	23.22	23.41	23.35	23.70
20	16QAM	50	50	23.15	23.40	23.22	23.70
20	16QAM	100	0	23.22	23.44	23.29	23.70
20	64QAM	1	0	22.84	23.08	22.99	23.70
20	64QAM	1	49	22.78	23.07	22.90	23.70
20	64QAM	1	99	22.78	23.05	22.98	23.70
20	64QAM	50	0	22.25	22.42	22.35	22.70
20	64QAM	50	24	22.18	22.39	22.21	22.70
20	64QAM	50	50	22.09	22.38	22.24	22.70
20	64QAM	100	0	22.12	22.41	22.22	22.70
20	256QAM	1	0	20.21	20.43	20.37	20.70
20	256QAM	1	49	20.22	20.44	20.36	20.70
20	256QAM	1	99	20.13	20.41	20.29	20.70
20	256QAM	50	0	20.22	20.45	20.39	20.70
20	256QAM	50	24	20.26	20.43	20.29	20.70
20	256QAM	50	50	20.26	20.42	20.35	20.70
20	256QAM	100	0	20.19	20.39	20.29	20.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.14	25.31	25.27	25.70
15	QPSK	1	37	24.86	25.14	24.98	25.70
15	QPSK	1	74	24.86	25.08	24.98	25.70
15	QPSK	36	0	24.11	24.34	24.23	24.70
15	QPSK	36	20	23.88	24.22	24.01	24.70
15	QPSK	36	39	23.96	24.22	24.16	24.70
15	QPSK	75	0	24.09	24.27	24.16	24.70
15	16QAM	1	0	24.33	24.54	24.50	24.70
15	16QAM	1	37	24.24	24.49	24.35	24.70
15	16QAM	1	74	24.31	24.51	24.27	24.70
15	16QAM	36	0	23.20	23.36	23.24	23.70
15	16QAM	36	20	23.16	23.37	23.29	23.70
15	16QAM	36	39	23.10	23.31	23.11	23.70
15	16QAM	75	0	23.09	23.39	23.17	23.70
15	64QAM	1	0	22.69	22.96	22.95	23.70
15	64QAM	1	37	22.71	22.98	22.76	23.70
15	64QAM	1	74	22.72	22.94	22.95	23.70
15	64QAM	36	0	22.23	22.34	22.28	22.70
15	64QAM	36	20	22.17	22.37	22.14	22.70
15	64QAM	36	39	22.01	22.29	22.17	22.70
15	64QAM	75	0	22.06	22.33	22.17	22.70
15	256QAM	1	0	20.15	20.40	20.32	20.70
15	256QAM	1	37	20.19	20.33	20.31	20.70
15	256QAM	1	74	20.03	20.27	20.21	20.70
15	256QAM	36	0	20.18	20.38	20.36	20.70
15	256QAM	36	20	20.16	20.40	20.22	20.70
15	256QAM	36	39	20.13	20.30	20.26	20.70
15	256QAM	75	0	20.05	20.26	20.20	20.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.14	25.29	25.17	25.70
10	QPSK	1	25	24.87	25.09	24.93	25.70
10	QPSK	1	49	24.85	25.09	24.94	25.70
10	QPSK	25	0	24.12	24.34	24.24	24.70
10	QPSK	25	12	23.95	24.19	24.10	24.70
10	QPSK	25	25	24.02	24.25	24.19	24.70
10	QPSK	50	0	24.01	24.33	24.12	24.70
10	16QAM	1	0	24.30	24.61	24.39	24.70
10	16QAM	1	25	24.18	24.45	24.29	24.70
10	16QAM	1	49	24.35	24.54	24.36	24.70
10	16QAM	25	0	23.23	23.29	23.30	23.70



10	16QAM	25	12	23.17	23.36	23.27	23.70
10	16QAM	25	25	23.08	23.31	23.18	23.70
10	16QAM	50	0	23.19	23.29	23.22	23.70
10	64QAM	1	0	22.70	23.04	22.91	23.70
10	64QAM	1	25	22.75	23.04	22.84	23.70
10	64QAM	1	49	22.71	22.96	22.91	23.70
10	64QAM	25	0	22.16	22.33	22.33	22.70
10	64QAM	25	12	22.14	22.26	22.12	22.70
10	64QAM	25	25	22.02	22.24	22.12	22.70
10	64QAM	50	0	22.02	22.34	22.15	22.70
10	256QAM	1	0	20.11	20.33	20.27	20.70
10	256QAM	1	25	20.11	20.36	20.33	20.70
10	256QAM	1	49	20.10	20.34	20.27	20.70
10	256QAM	25	0	20.17	20.32	20.30	20.70
10	256QAM	25	12	20.14	20.31	20.26	20.70
10	256QAM	25	25	20.24	20.28	20.24	20.70
10	256QAM	50	0	20.15	20.25	20.14	20.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.16	25.33	25.31	25.70
5	QPSK	1	12	24.88	25.08	24.93	25.70
5	QPSK	1	24	24.88	25.13	25.02	25.70
5	QPSK	12	0	24.13	24.28	24.20	24.70
5	QPSK	12	7	23.90	24.16	24.03	24.70
5	QPSK	12	13	23.94	24.27	24.15	24.70
5	QPSK	25	0	24.09	24.39	24.14	24.70
5	16QAM	1	0	24.27	24.59	24.41	24.70
5	16QAM	1	12	24.30	24.50	24.35	24.70
5	16QAM	1	24	24.33	24.45	24.23	24.70
5	16QAM	12	0	23.13	23.34	23.24	23.70
5	16QAM	12	7	23.20	23.38	23.28	23.70
5	16QAM	12	13	23.01	23.31	23.15	23.70
5	16QAM	25	0	23.10	23.42	23.26	23.70
5	64QAM	1	0	22.75	23.00	22.84	23.70
5	64QAM	1	12	22.74	22.97	22.82	23.70
5	64QAM	1	24	22.72	22.95	22.90	23.70
5	64QAM	12	0	22.18	22.33	22.20	22.70
5	64QAM	12	7	22.07	22.29	22.09	22.70
5	64QAM	12	13	21.98	22.27	22.15	22.70
5	64QAM	25	0	22.07	22.29	22.19	22.70
5	256QAM	1	0	20.16	20.29	20.30	20.70
5	256QAM	1	12	20.14	20.31	20.31	20.70
5	256QAM	1	24	20.03	20.28	20.17	20.70
5	256QAM	12	0	20.10	20.37	20.29	20.70
5	256QAM	12	7	20.23	20.37	20.28	20.70
5	256QAM	12	13	20.22	20.29	20.27	20.70
5	256QAM	25	0	20.05	20.25	20.20	20.70

【LTE Band 38_Ant 2_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.19	19.23	19.19	19.70
20	QPSK	1	49	18.98	19.15	18.99	19.70
20	QPSK	1	99	19.03	19.10	19.01	19.70
20	QPSK	50	0	19.11	19.20	19.08	19.70
20	QPSK	50	24	18.96	19.15	18.88	19.70
20	QPSK	50	50	18.99	19.09	18.86	19.70
20	QPSK	100	0	18.85	19.00	18.82	19.70
20	16QAM	1	0	18.87	19.06	18.89	19.70
20	16QAM	1	49	18.96	19.14	18.90	19.70
20	16QAM	1	99	18.99	19.03	18.96	19.70
20	16QAM	50	0	18.99	18.93	18.90	19.70
20	16QAM	50	24	18.79	18.99	18.67	19.70
20	16QAM	50	50	18.93	18.94	18.80	19.70
20	16QAM	100	0	18.82	19.00	18.72	19.70
20	64QAM	1	0	18.86	18.93	18.75	19.70
20	64QAM	1	49	18.79	19.03	18.84	19.70
20	64QAM	1	99	18.89	18.96	18.95	19.70
20	64QAM	50	0	18.80	19.02	18.90	19.70
20	64QAM	50	24	18.80	18.98	18.76	19.70



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20	64QAM	50	50	18.71	18.83	18.81	19.70
20	64QAM	100	0	18.93	18.94	18.84	19.70
20	256QAM	1	0	18.80	18.91	18.88	19.70
20	256QAM	1	49	18.97	18.94	18.76	19.70
20	256QAM	1	99	18.82	18.97	18.90	19.70
20	256QAM	50	0	18.84	18.97	18.83	19.70
20	256QAM	50	24	18.84	18.87	18.78	19.70
20	256QAM	50	50	18.68	18.89	18.73	19.70
20	256QAM	100	0	18.75	19.05	18.78	19.70
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	19.07	19.14	19.06	19.70
15	QPSK	1	37	18.89	19.02	18.94	19.70
15	QPSK	1	74	19.02	19.02	19.00	19.70
15	QPSK	36	0	19.01	19.08	18.95	19.70
15	QPSK	36	20	18.81	19.04	18.87	19.70
15	QPSK	36	39	18.85	18.97	18.79	19.70
15	QPSK	75	0	18.82	18.98	18.76	19.70
15	16QAM	1	0	18.81	19.02	18.74	19.70
15	16QAM	1	37	18.93	19.05	18.82	19.70
15	16QAM	1	74	18.95	18.94	18.82	19.70
15	16QAM	36	0	18.86	18.85	18.88	19.70
15	16QAM	36	20	18.76	18.93	18.63	19.70
15	16QAM	36	39	18.90	18.81	18.78	19.70
15	16QAM	75	0	18.76	18.88	18.66	19.70
15	64QAM	1	0	18.83	18.83	18.71	19.70
15	64QAM	1	37	18.74	18.94	18.72	19.70
15	64QAM	1	74	18.84	18.86	18.90	19.70
15	64QAM	36	0	18.78	19.00	18.78	19.70
15	64QAM	36	20	18.67	18.93	18.64	19.70
15	64QAM	36	39	18.63	18.74	18.68	19.70
15	64QAM	75	0	18.86	18.88	18.71	19.70
15	256QAM	1	0	18.71	18.83	18.80	19.70
15	256QAM	1	37	18.91	18.80	18.63	19.70
15	256QAM	1	74	18.72	18.92	18.82	19.70
15	256QAM	36	0	18.73	18.96	18.70	19.70
15	256QAM	36	20	18.70	18.72	18.77	19.70
15	256QAM	36	39	18.61	18.84	18.69	19.70
15	256QAM	75	0	18.63	18.94	18.64	19.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.18	19.20	19.05	19.70
10	QPSK	1	25	18.97	19.09	18.90	19.70
10	QPSK	1	49	18.96	18.99	19.00	19.70
10	QPSK	25	0	19.04	19.10	18.96	19.70
10	QPSK	25	12	18.95	19.01	18.73	19.70
10	QPSK	25	25	18.98	19.07	18.78	19.70
10	QPSK	50	0	18.82	18.97	18.78	19.70
10	16QAM	1	0	18.82	19.04	18.85	19.70
10	16QAM	1	25	18.82	19.00	18.78	19.70
10	16QAM	1	49	18.96	19.02	18.89	19.70
10	16QAM	25	0	18.91	18.89	18.86	19.70
10	16QAM	25	12	18.75	18.96	18.58	19.70
10	16QAM	25	25	18.85	18.80	18.68	19.70
10	16QAM	50	0	18.80	18.88	18.60	19.70
10	64QAM	1	0	18.76	18.82	18.67	19.70
10	64QAM	1	25	18.66	18.94	18.78	19.70
10	64QAM	1	49	18.84	18.95	18.84	19.70
10	64QAM	25	0	18.73	18.95	18.88	19.70
10	64QAM	25	12	18.77	18.92	18.65	19.70
10	64QAM	25	25	18.61	18.81	18.79	19.70
10	64QAM	50	0	18.88	18.90	18.78	19.70
10	256QAM	1	0	18.69	18.83	18.83	19.70
10	256QAM	1	25	18.89	18.84	18.63	19.70
10	256QAM	1	49	18.76	18.87	18.79	19.70
10	256QAM	25	0	18.81	18.85	18.72	19.70
10	256QAM	25	12	18.76	18.77	18.69	19.70
10	256QAM	25	25	18.66	18.76	18.66	19.70
10	256QAM	50	0	18.60	19.00	18.66	19.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.14	19.17	19.06	19.70
5	QPSK	1	12	18.88	19.01	18.90	19.70
5	QPSK	1	24	18.98	18.97	18.95	19.70
5	QPSK	12	0	18.98	19.18	19.07	19.70
5	QPSK	12	7	18.88	19.08	18.77	19.70
5	QPSK	12	13	18.84	18.98	18.77	19.70
5	QPSK	25	0	18.71	18.96	18.80	19.70



5	16QAM	1	0	18.73	18.96	18.78	19.70
5	16QAM	1	12	18.84	19.04	18.83	19.70
5	16QAM	1	24	18.96	18.99	18.86	19.70
5	16QAM	12	0	18.92	18.84	18.80	19.70
5	16QAM	12	7	18.69	18.92	18.55	19.70
5	16QAM	12	13	18.89	18.80	18.77	19.70
5	16QAM	25	0	18.68	18.88	18.61	19.70
5	64QAM	1	0	18.82	18.90	18.62	19.70
5	64QAM	1	12	18.72	19.02	18.82	19.70
5	64QAM	1	24	18.84	18.89	18.90	19.70
5	64QAM	12	0	18.67	18.88	18.88	19.70
5	64QAM	12	7	18.70	18.96	18.70	19.70
5	64QAM	12	13	18.57	18.79	18.67	19.70
5	64QAM	25	0	18.83	18.85	18.71	19.70
5	256QAM	1	0	18.68	18.87	18.74	19.70
5	256QAM	1	12	18.94	18.88	18.71	19.70
5	256QAM	1	24	18.71	18.87	18.75	19.70
5	256QAM	12	0	18.70	18.95	18.73	19.70
5	256QAM	12	7	18.74	18.80	18.70	19.70
5	256QAM	12	13	18.55	18.85	18.66	19.70
5	256QAM	25	0	18.60	18.97	18.70	19.70

【LTE Band 38_Ant 2_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.19	19.23	19.19	19.70
20	QPSK	1	49	18.98	19.15	18.99	19.70
20	QPSK	1	99	19.03	19.10	19.01	19.70
20	QPSK	50	0	19.11	19.20	19.08	19.70
20	QPSK	50	24	18.96	19.15	18.88	19.70
20	QPSK	50	50	18.99	19.09	18.86	19.70
20	QPSK	100	0	18.85	19.00	18.82	19.70
20	16QAM	1	0	18.87	19.06	18.89	19.70
20	16QAM	1	49	18.96	19.14	18.90	19.70
20	16QAM	1	99	18.99	19.03	18.96	19.70
20	16QAM	50	0	18.99	18.93	18.90	19.70
20	16QAM	50	24	18.79	18.99	18.67	19.70
20	16QAM	50	50	18.93	18.94	18.80	19.70
20	16QAM	100	0	18.82	19.00	18.72	19.70
20	64QAM	1	0	18.86	18.93	18.75	19.70
20	64QAM	1	49	18.79	19.03	18.84	19.70
20	64QAM	1	99	18.89	18.96	18.95	19.70
20	64QAM	50	0	18.80	19.02	18.90	19.70
20	64QAM	50	24	18.80	18.98	18.76	19.70
20	64QAM	50	50	18.71	18.83	18.81	19.70
20	64QAM	100	0	18.93	18.94	18.84	19.70
20	256QAM	1	0	18.80	18.91	18.88	19.70
20	256QAM	1	49	18.97	18.94	18.76	19.70
20	256QAM	1	99	18.82	18.97	18.90	19.70
20	256QAM	50	0	18.84	18.97	18.83	19.70
20	256QAM	50	24	18.84	18.87	18.78	19.70
20	256QAM	50	50	18.68	18.89	18.73	19.70
20	256QAM	100	0	18.75	19.05	18.78	19.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.07	19.14	19.06	19.70
15	QPSK	1	37	18.89	19.02	18.94	19.70
15	QPSK	1	74	19.02	19.02	19.00	19.70
15	QPSK	36	0	19.01	19.08	18.95	19.70
15	QPSK	36	20	18.81	19.04	18.87	19.70
15	QPSK	36	39	18.85	18.97	18.79	19.70
15	QPSK	75	0	18.82	18.98	18.76	19.70
15	16QAM	1	0	18.81	19.02	18.74	19.70
15	16QAM	1	37	18.93	19.05	18.82	19.70
15	16QAM	1	74	18.95	18.94	18.82	19.70
15	16QAM	36	0	18.86	18.85	18.88	19.70
15	16QAM	36	20	18.76	18.93	18.63	19.70
15	16QAM	36	39	18.90	18.81	18.78	19.70
15	16QAM	75	0	18.76	18.88	18.66	19.70
15	64QAM	1	0	18.83	18.83	18.71	19.70



15	64QAM	1	37	18.74	18.94	18.72	19.70
15	64QAM	1	74	18.84	18.86	18.90	19.70
15	64QAM	36	0	18.78	19.00	18.78	19.70
15	64QAM	36	20	18.67	18.93	18.64	19.70
15	64QAM	36	39	18.63	18.74	18.68	19.70
15	64QAM	75	0	18.86	18.88	18.71	19.70
15	256QAM	1	0	18.71	18.83	18.80	19.70
15	256QAM	1	37	18.91	18.80	18.63	19.70
15	256QAM	1	74	18.72	18.92	18.82	19.70
15	256QAM	36	0	18.73	18.96	18.70	19.70
15	256QAM	36	20	18.70	18.72	18.77	19.70
15	256QAM	36	39	18.61	18.84	18.69	19.70
15	256QAM	75	0	18.63	18.94	18.64	19.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.18	19.20	19.05	19.70
10	QPSK	1	25	18.97	19.09	18.90	19.70
10	QPSK	1	49	18.96	18.99	19.00	19.70
10	QPSK	25	0	19.04	19.10	18.96	19.70
10	QPSK	25	12	18.95	19.01	18.73	19.70
10	QPSK	25	25	18.98	19.07	18.78	19.70
10	QPSK	50	0	18.82	18.97	18.78	19.70
10	16QAM	1	0	18.82	19.04	18.85	19.70
10	16QAM	1	25	18.82	19.00	18.78	19.70
10	16QAM	1	49	18.96	19.02	18.89	19.70
10	16QAM	25	0	18.91	18.89	18.86	19.70
10	16QAM	25	12	18.75	18.96	18.58	19.70
10	16QAM	25	25	18.85	18.80	18.68	19.70
10	16QAM	50	0	18.80	18.88	18.60	19.70
10	64QAM	1	0	18.76	18.82	18.67	19.70
10	64QAM	1	25	18.66	18.94	18.78	19.70
10	64QAM	1	49	18.84	18.95	18.84	19.70
10	64QAM	25	0	18.73	18.95	18.88	19.70
10	64QAM	25	12	18.77	18.92	18.65	19.70
10	64QAM	25	25	18.61	18.81	18.79	19.70
10	64QAM	50	0	18.88	18.90	18.78	19.70
10	256QAM	1	0	18.69	18.83	18.83	19.70
10	256QAM	1	25	18.89	18.84	18.63	19.70
10	256QAM	1	49	18.76	18.87	18.79	19.70
10	256QAM	25	0	18.81	18.85	18.72	19.70
10	256QAM	25	12	18.76	18.77	18.69	19.70
10	256QAM	25	25	18.66	18.76	18.66	19.70
10	256QAM	50	0	18.60	19.00	18.66	19.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.14	19.17	19.06	19.70
5	QPSK	1	12	18.88	19.01	18.90	19.70
5	QPSK	1	24	18.98	18.97	18.95	19.70
5	QPSK	12	0	18.98	19.18	19.07	19.70
5	QPSK	12	7	18.88	19.08	18.77	19.70
5	QPSK	12	13	18.84	18.98	18.77	19.70
5	QPSK	25	0	18.71	18.96	18.80	19.70
5	16QAM	1	0	18.73	18.96	18.78	19.70
5	16QAM	1	12	18.84	19.04	18.83	19.70
5	16QAM	1	24	18.96	18.99	18.86	19.70
5	16QAM	12	0	18.92	18.84	18.80	19.70
5	16QAM	12	7	18.69	18.92	18.55	19.70
5	16QAM	12	13	18.89	18.80	18.77	19.70
5	16QAM	25	0	18.68	18.88	18.61	19.70
5	64QAM	1	0	18.82	18.90	18.62	19.70
5	64QAM	1	12	18.72	19.02	18.82	19.70
5	64QAM	1	24	18.84	18.89	18.90	19.70
5	64QAM	12	0	18.67	18.88	18.88	19.70
5	64QAM	12	7	18.70	18.96	18.70	19.70
5	64QAM	12	13	18.57	18.79	18.67	19.70
5	64QAM	25	0	18.83	18.85	18.71	19.70
5	256QAM	1	0	18.68	18.87	18.74	19.70
5	256QAM	1	12	18.94	18.88	18.71	19.70
5	256QAM	1	24	18.71	18.87	18.75	19.70
5	256QAM	12	0	18.70	18.95	18.73	19.70
5	256QAM	12	7	18.74	18.80	18.70	19.70
5	256QAM	12	13	18.55	18.85	18.66	19.70
5	256QAM	25	0	18.60	18.97	18.70	19.70

**【LTE Band 38_Ant 2_ECI4】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.19	25.37	25.32	25.70
20	QPSK	1	49	24.95	25.19	25.03	25.70
20	QPSK	1	99	24.99	25.20	25.03	25.70
20	QPSK	50	0	24.15	24.41	24.28	24.70
20	QPSK	50	24	24.01	24.31	24.14	24.70
20	QPSK	50	50	24.08	24.35	24.27	24.70
20	QPSK	100	0	24.12	24.42	24.24	24.70
20	16QAM	1	0	24.40	24.66	24.53	24.70
20	16QAM	1	49	24.32	24.56	24.41	24.70
20	16QAM	1	99	24.37	24.57	24.38	24.70
20	16QAM	50	0	23.25	23.43	23.35	23.70
20	16QAM	50	24	23.22	23.41	23.35	23.70
20	16QAM	50	50	23.15	23.40	23.22	23.70
20	16QAM	100	0	23.22	23.44	23.29	23.70
20	64QAM	1	0	22.84	23.08	22.99	23.70
20	64QAM	1	49	22.78	23.07	22.90	23.70
20	64QAM	1	99	22.78	23.05	22.98	23.70
20	64QAM	50	0	22.25	22.42	22.35	22.70
20	64QAM	50	24	22.18	22.39	22.21	22.70
20	64QAM	50	50	22.09	22.38	22.24	22.70
20	64QAM	100	0	22.12	22.41	22.22	22.70
20	256QAM	1	0	20.21	20.43	20.37	20.70
20	256QAM	1	49	20.22	20.44	20.36	20.70
20	256QAM	1	99	20.13	20.41	20.29	20.70
20	256QAM	50	0	20.22	20.45	20.39	20.70
20	256QAM	50	24	20.26	20.43	20.29	20.70
20	256QAM	50	50	20.26	20.42	20.35	20.70
20	256QAM	100	0	20.19	20.39	20.29	20.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.14	25.31	25.27	25.70
15	QPSK	1	37	24.86	25.14	24.98	25.70
15	QPSK	1	74	24.86	25.08	24.98	25.70
15	QPSK	36	0	24.11	24.34	24.23	24.70
15	QPSK	36	20	23.88	24.22	24.01	24.70
15	QPSK	36	39	23.96	24.22	24.16	24.70
15	QPSK	75	0	24.09	24.27	24.16	24.70
15	16QAM	1	0	24.33	24.54	24.50	24.70
15	16QAM	1	37	24.24	24.49	24.35	24.70
15	16QAM	1	74	24.31	24.51	24.27	24.70
15	16QAM	36	0	23.20	23.36	23.24	23.70
15	16QAM	36	20	23.16	23.37	23.29	23.70
15	16QAM	36	39	23.10	23.31	23.11	23.70
15	16QAM	75	0	23.09	23.39	23.17	23.70
15	64QAM	1	0	22.69	22.96	22.95	23.70
15	64QAM	1	37	22.71	22.98	22.76	23.70
15	64QAM	1	74	22.72	22.94	22.95	23.70
15	64QAM	36	0	22.23	22.34	22.28	22.70
15	64QAM	36	20	22.17	22.37	22.14	22.70
15	64QAM	36	39	22.01	22.29	22.17	22.70
15	64QAM	75	0	22.06	22.33	22.17	22.70
15	256QAM	1	0	20.15	20.40	20.32	20.70
15	256QAM	1	37	20.19	20.33	20.31	20.70
15	256QAM	1	74	20.03	20.27	20.21	20.70
15	256QAM	36	0	20.18	20.38	20.36	20.70
15	256QAM	36	20	20.16	20.40	20.22	20.70
15	256QAM	36	39	20.13	20.30	20.26	20.70
15	256QAM	75	0	20.05	20.26	20.20	20.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.14	25.29	25.17	25.70
10	QPSK	1	25	24.87	25.09	24.93	25.70
10	QPSK	1	49	24.85	25.09	24.94	25.70
10	QPSK	25	0	24.12	24.34	24.24	24.70
10	QPSK	25	12	23.95	24.19	24.10	24.70
10	QPSK	25	25	24.02	24.25	24.19	24.70
10	QPSK	50	0	24.01	24.33	24.12	24.70
10	16QAM	1	0	24.30	24.61	24.39	24.70
10	16QAM	1	25	24.18	24.45	24.29	24.70
10	16QAM	1	49	24.35	24.54	24.36	24.70
10	16QAM	25	0	23.23	23.29	23.30	23.70
10	16QAM	25	12	23.17	23.36	23.27	23.70



10	16QAM	25	25	23.08	23.31	23.18	23.70
10	16QAM	50	0	23.19	23.29	23.22	23.70
10	64QAM	1	0	22.70	23.04	22.91	23.70
10	64QAM	1	25	22.75	23.04	22.84	23.70
10	64QAM	1	49	22.71	22.96	22.91	23.70
10	64QAM	25	0	22.16	22.33	22.33	22.70
10	64QAM	25	12	22.14	22.26	22.12	22.70
10	64QAM	25	25	22.02	22.24	22.12	22.70
10	64QAM	50	0	22.02	22.34	22.15	22.70
10	256QAM	1	0	20.11	20.33	20.27	20.70
10	256QAM	1	25	20.11	20.36	20.33	20.70
10	256QAM	1	49	20.10	20.34	20.27	20.70
10	256QAM	25	0	20.17	20.32	20.30	20.70
10	256QAM	25	12	20.14	20.31	20.26	20.70
10	256QAM	25	25	20.24	20.28	20.24	20.70
10	256QAM	50	0	20.15	20.25	20.14	20.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.16	25.33	25.31	25.70
5	QPSK	1	12	24.88	25.08	24.93	25.70
5	QPSK	1	24	24.88	25.13	25.02	25.70
5	QPSK	12	0	24.13	24.28	24.20	24.70
5	QPSK	12	7	23.90	24.16	24.03	24.70
5	QPSK	12	13	23.94	24.27	24.15	24.70
5	QPSK	25	0	24.09	24.39	24.14	24.70
5	16QAM	1	0	24.27	24.59	24.41	24.70
5	16QAM	1	12	24.30	24.50	24.35	24.70
5	16QAM	1	24	24.33	24.45	24.23	24.70
5	16QAM	12	0	23.13	23.34	23.24	23.70
5	16QAM	12	7	23.20	23.38	23.28	23.70
5	16QAM	12	13	23.01	23.31	23.15	23.70
5	16QAM	25	0	23.10	23.42	23.26	23.70
5	64QAM	1	0	22.75	23.00	22.84	23.70
5	64QAM	1	12	22.74	22.97	22.82	23.70
5	64QAM	1	24	22.72	22.95	22.90	23.70
5	64QAM	12	0	22.18	22.33	22.20	22.70
5	64QAM	12	7	22.07	22.29	22.09	22.70
5	64QAM	12	13	21.98	22.27	22.15	22.70
5	64QAM	25	0	22.07	22.29	22.19	22.70
5	256QAM	1	0	20.16	20.29	20.30	20.70
5	256QAM	1	12	20.14	20.31	20.31	20.70
5	256QAM	1	24	20.03	20.28	20.17	20.70
5	256QAM	12	0	20.10	20.37	20.29	20.70
5	256QAM	12	7	20.23	20.37	20.28	20.70
5	256QAM	12	13	20.22	20.29	20.27	20.70
5	256QAM	25	0	20.05	20.25	20.20	20.70

【LTE Band 38_Ant 2_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.19	19.23	19.19	19.70
20	QPSK	1	49	18.98	19.15	18.99	19.70
20	QPSK	1	99	19.03	19.10	19.01	19.70
20	QPSK	50	0	19.11	19.20	19.08	19.70
20	QPSK	50	24	18.96	19.15	18.88	19.70
20	QPSK	50	50	18.99	19.09	18.86	19.70
20	QPSK	100	0	18.85	19.00	18.82	19.70
20	16QAM	1	0	18.87	19.06	18.89	19.70
20	16QAM	1	49	18.96	19.14	18.90	19.70
20	16QAM	1	99	18.99	19.03	18.96	19.70
20	16QAM	50	0	18.99	18.93	18.90	19.70
20	16QAM	50	24	18.79	18.99	18.67	19.70
20	16QAM	50	50	18.93	18.94	18.80	19.70
20	16QAM	100	0	18.82	19.00	18.72	19.70
20	64QAM	1	0	18.86	18.93	18.75	19.70
20	64QAM	1	49	18.79	19.03	18.84	19.70
20	64QAM	1	99	18.89	18.96	18.95	19.70
20	64QAM	50	0	18.80	19.02	18.90	19.70
20	64QAM	50	24	18.80	18.98	18.76	19.70
20	64QAM	50	50	18.71	18.83	18.81	19.70



20	64QAM	100	0	18.93	18.94	18.84	19.70
20	256QAM	1	0	18.80	18.91	18.88	19.70
20	256QAM	1	49	18.97	18.94	18.76	19.70
20	256QAM	1	99	18.82	18.97	18.90	19.70
20	256QAM	50	0	18.84	18.97	18.83	19.70
20	256QAM	50	24	18.84	18.87	18.78	19.70
20	256QAM	50	50	18.68	18.89	18.73	19.70
20	256QAM	100	0	18.75	19.05	18.78	19.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.07	19.14	19.06	19.70
15	QPSK	1	37	18.89	19.02	18.94	19.70
15	QPSK	1	74	19.02	19.02	19.00	19.70
15	QPSK	36	0	19.01	19.08	18.95	19.70
15	QPSK	36	20	18.81	19.04	18.87	19.70
15	QPSK	36	39	18.85	18.97	18.79	19.70
15	QPSK	75	0	18.82	18.98	18.76	19.70
15	16QAM	1	0	18.81	19.02	18.74	19.70
15	16QAM	1	37	18.93	19.05	18.82	19.70
15	16QAM	1	74	18.95	18.94	18.82	19.70
15	16QAM	36	0	18.86	18.85	18.88	19.70
15	16QAM	36	20	18.76	18.93	18.63	19.70
15	16QAM	36	39	18.90	18.81	18.78	19.70
15	16QAM	75	0	18.76	18.88	18.66	19.70
15	64QAM	1	0	18.83	18.83	18.71	19.70
15	64QAM	1	37	18.74	18.94	18.72	19.70
15	64QAM	1	74	18.84	18.86	18.90	19.70
15	64QAM	36	0	18.78	19.00	18.78	19.70
15	64QAM	36	20	18.67	18.93	18.64	19.70
15	64QAM	36	39	18.63	18.74	18.68	19.70
15	64QAM	75	0	18.86	18.88	18.71	19.70
15	256QAM	1	0	18.71	18.83	18.80	19.70
15	256QAM	1	37	18.91	18.80	18.63	19.70
15	256QAM	1	74	18.72	18.92	18.82	19.70
15	256QAM	36	0	18.73	18.96	18.70	19.70
15	256QAM	36	20	18.70	18.72	18.77	19.70
15	256QAM	36	39	18.61	18.84	18.69	19.70
15	256QAM	75	0	18.63	18.94	18.64	19.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.18	19.20	19.05	19.70
10	QPSK	1	25	18.97	19.09	18.90	19.70
10	QPSK	1	49	18.96	18.99	19.00	19.70
10	QPSK	25	0	19.04	19.10	18.96	19.70
10	QPSK	25	12	18.95	19.01	18.73	19.70
10	QPSK	25	25	18.98	19.07	18.78	19.70
10	QPSK	50	0	18.82	18.97	18.78	19.70
10	16QAM	1	0	18.82	19.04	18.85	19.70
10	16QAM	1	25	18.82	19.00	18.78	19.70
10	16QAM	1	49	18.96	19.02	18.89	19.70
10	16QAM	25	0	18.91	18.89	18.86	19.70
10	16QAM	25	12	18.75	18.96	18.58	19.70
10	16QAM	25	25	18.85	18.80	18.68	19.70
10	16QAM	50	0	18.80	18.88	18.60	19.70
10	64QAM	1	0	18.76	18.82	18.67	19.70
10	64QAM	1	25	18.66	18.94	18.78	19.70
10	64QAM	1	49	18.84	18.95	18.84	19.70
10	64QAM	25	0	18.73	18.95	18.88	19.70
10	64QAM	25	12	18.77	18.92	18.65	19.70
10	64QAM	25	25	18.61	18.81	18.79	19.70
10	64QAM	50	0	18.88	18.90	18.78	19.70
10	256QAM	1	0	18.69	18.83	18.83	19.70
10	256QAM	1	25	18.89	18.84	18.63	19.70
10	256QAM	1	49	18.76	18.87	18.79	19.70
10	256QAM	25	0	18.81	18.85	18.72	19.70
10	256QAM	25	12	18.76	18.77	18.69	19.70
10	256QAM	25	25	18.66	18.76	18.66	19.70
10	256QAM	50	0	18.60	19.00	18.66	19.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.14	19.17	19.06	19.70
5	QPSK	1	12	18.88	19.01	18.90	19.70
5	QPSK	1	24	18.98	18.97	18.95	19.70
5	QPSK	12	0	18.98	19.18	19.07	19.70
5	QPSK	12	7	18.88	19.08	18.77	19.70
5	QPSK	12	13	18.84	18.98	18.77	19.70
5	QPSK	25	0	18.71	18.96	18.80	19.70
5	16QAM	1	0	18.73	18.96	18.78	19.70



5	16QAM	1	12	18.84	19.04	18.83	19.70
5	16QAM	1	24	18.96	18.99	18.86	19.70
5	16QAM	12	0	18.92	18.84	18.80	19.70
5	16QAM	12	7	18.69	18.92	18.55	19.70
5	16QAM	12	13	18.89	18.80	18.77	19.70
5	16QAM	25	0	18.68	18.88	18.61	19.70
5	64QAM	1	0	18.82	18.90	18.62	19.70
5	64QAM	1	12	18.72	19.02	18.82	19.70
5	64QAM	1	24	18.84	18.89	18.90	19.70
5	64QAM	12	0	18.67	18.88	18.88	19.70
5	64QAM	12	7	18.70	18.96	18.70	19.70
5	64QAM	12	13	18.57	18.79	18.67	19.70
5	64QAM	25	0	18.83	18.85	18.71	19.70
5	256QAM	1	0	18.68	18.87	18.74	19.70
5	256QAM	1	12	18.94	18.88	18.71	19.70
5	256QAM	1	24	18.71	18.87	18.75	19.70
5	256QAM	12	0	18.70	18.95	18.73	19.70
5	256QAM	12	7	18.74	18.80	18.70	19.70
5	256QAM	12	13	18.55	18.85	18.66	19.70
5	256QAM	25	0	18.60	18.97	18.70	19.70

【LTE Band 38_Ant 3_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.25	25.37	25.30	25.70
20	QPSK	1	49	24.96	25.17	25.05	25.70
20	QPSK	1	99	25.01	25.15	24.97	25.70
20	QPSK	50	0	24.21	24.38	24.22	24.70
20	QPSK	50	24	24.17	24.35	24.19	24.70
20	QPSK	50	50	24.19	24.35	24.19	24.70
20	QPSK	100	0	24.12	24.37	24.19	24.70
20	16QAM	1	0	24.46	24.64	24.54	24.70
20	16QAM	1	49	24.35	24.53	24.42	24.70
20	16QAM	1	99	24.29	24.53	24.43	24.70
20	16QAM	50	0	23.23	23.40	23.27	23.70
20	16QAM	50	24	23.18	23.36	23.28	23.70
20	16QAM	50	50	23.21	23.37	23.26	23.70
20	16QAM	100	0	23.16	23.40	23.26	23.70
20	64QAM	1	0	22.85	23.03	22.96	23.70
20	64QAM	1	49	22.77	23.02	22.87	23.70
20	64QAM	1	99	22.80	23.03	22.91	23.70
20	64QAM	50	0	22.23	22.39	22.29	22.70
20	64QAM	50	24	22.25	22.37	22.19	22.70
20	64QAM	50	50	22.20	22.35	22.19	22.70
20	64QAM	100	0	22.15	22.39	22.26	22.70
20	256QAM	1	0	20.29	20.41	20.27	20.70
20	256QAM	1	49	20.25	20.40	20.32	20.70
20	256QAM	1	99	20.20	20.38	20.27	20.70
20	256QAM	50	0	20.18	20.43	20.35	20.70
20	256QAM	50	24	20.26	20.42	20.28	20.70
20	256QAM	50	50	20.20	20.39	20.31	20.70
20	256QAM	100	0	20.19	20.36	20.21	20.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.17	25.30	25.25	25.70
15	QPSK	1	37	24.89	25.08	24.94	25.70
15	QPSK	1	74	24.96	25.06	24.91	25.70
15	QPSK	36	0	24.02	24.36	24.09	24.70
15	QPSK	36	20	24.14	24.25	24.09	24.70
15	QPSK	36	39	24.16	24.22	24.15	24.70
15	QPSK	75	0	23.99	24.23	24.17	24.70
15	16QAM	1	0	24.39	24.50	24.48	24.70
15	16QAM	1	37	24.22	24.47	24.40	24.70
15	16QAM	1	74	24.24	24.44	24.34	24.70
15	16QAM	36	0	23.18	23.27	23.22	23.70
15	16QAM	36	20	23.10	23.31	23.26	23.70
15	16QAM	36	39	23.14	23.32	23.21	23.70
15	16QAM	75	0	23.02	23.32	23.20	23.70
15	64QAM	1	0	22.75	22.88	22.90	23.70
15	64QAM	1	37	22.65	23.01	22.81	23.70



15	64QAM	1	74	22.77	22.95	22.80	23.70
15	64QAM	36	0	22.12	22.31	22.20	22.70
15	64QAM	36	20	22.22	22.25	22.14	22.70
15	64QAM	36	39	22.16	22.20	22.07	22.70
15	64QAM	75	0	22.02	22.33	22.24	22.70
15	256QAM	1	0	20.26	20.40	20.17	20.70
15	256QAM	1	37	20.15	20.30	20.21	20.70
15	256QAM	1	74	20.11	20.30	20.12	20.70
15	256QAM	36	0	20.14	20.34	20.25	20.70
15	256QAM	36	20	20.24	20.35	20.17	20.70
15	256QAM	36	39	20.17	20.25	20.17	20.70
15	256QAM	75	0	20.09	20.31	20.18	20.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	25.17	25.34	25.15	25.70
10	QPSK	1	25	24.93	25.16	24.99	25.70
10	QPSK	1	49	24.98	25.04	24.94	25.70
10	QPSK	25	0	24.12	24.25	24.18	24.70
10	QPSK	25	12	24.08	24.33	24.10	24.70
10	QPSK	25	25	24.10	24.28	24.09	24.70
10	QPSK	50	0	24.05	24.22	24.16	24.70
10	16QAM	1	0	24.32	24.50	24.48	24.70
10	16QAM	1	25	24.24	24.42	24.29	24.70
10	16QAM	1	49	24.27	24.46	24.40	24.70
10	16QAM	25	0	23.20	23.35	23.21	23.70
10	16QAM	25	12	23.13	23.21	23.23	23.70
10	16QAM	25	25	23.07	23.27	23.20	23.70
10	16QAM	50	0	23.10	23.26	23.15	23.70
10	64QAM	1	0	22.83	22.93	22.93	23.70
10	64QAM	1	25	22.74	22.90	22.80	23.70
10	64QAM	1	49	22.77	22.94	22.80	23.70
10	64QAM	25	0	22.14	22.26	22.22	22.70
10	64QAM	25	12	22.23	22.35	22.09	22.70
10	64QAM	25	25	22.14	22.21	22.15	22.70
10	64QAM	50	0	22.05	22.28	22.21	22.70
10	256QAM	1	0	20.26	20.27	20.12	20.70
10	256QAM	1	25	20.13	20.28	20.21	20.70
10	256QAM	1	49	20.15	20.31	20.16	20.70
10	256QAM	25	0	20.08	20.33	20.31	20.70
10	256QAM	25	12	20.15	20.39	20.18	20.70
10	256QAM	25	25	20.11	20.32	20.23	20.70
10	256QAM	50	0	20.17	20.28	20.09	20.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	25.12	25.31	25.24	25.70
5	QPSK	1	12	24.92	25.07	24.90	25.70
5	QPSK	1	24	24.92	25.10	24.90	25.70
5	QPSK	12	0	24.05	24.25	24.08	24.70
5	QPSK	12	7	24.03	24.25	24.05	24.70
5	QPSK	12	13	24.08	24.32	24.12	24.70
5	QPSK	25	0	24.04	24.24	24.18	24.70
5	16QAM	1	0	24.34	24.55	24.43	24.70
5	16QAM	1	12	24.21	24.47	24.35	24.70
5	16QAM	1	24	24.21	24.49	24.36	24.70
5	16QAM	12	0	23.17	23.31	23.24	23.70
5	16QAM	12	7	23.07	23.27	23.22	23.70
5	16QAM	12	13	23.09	23.36	23.12	23.70
5	16QAM	25	0	23.14	23.38	23.17	23.70
5	64QAM	1	0	22.73	22.89	22.90	23.70
5	64QAM	1	12	22.64	22.88	22.79	23.70
5	64QAM	1	24	22.78	22.98	22.80	23.70
5	64QAM	12	0	22.20	22.31	22.23	22.70
5	64QAM	12	7	22.15	22.24	22.16	22.70
5	64QAM	12	13	22.06	22.28	22.11	22.70
5	64QAM	25	0	22.10	22.36	22.24	22.70
5	256QAM	1	0	20.27	20.38	20.26	20.70
5	256QAM	1	12	20.19	20.30	20.30	20.70
5	256QAM	1	24	20.08	20.32	20.16	20.70
5	256QAM	12	0	20.09	20.29	20.25	20.70
5	256QAM	12	7	20.25	20.32	20.24	20.70
5	256QAM	12	13	20.14	20.35	20.24	20.70
5	256QAM	25	0	20.10	20.27	20.19	20.70

**【LTE Band 38_Ant 3_ECI1】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.81	19.86	19.83	20.20
20	QPSK	1	49	19.68	19.76	19.71	20.20
20	QPSK	1	99	19.53	19.61	19.52	20.20
20	QPSK	50	0	19.81	19.83	19.79	20.20
20	QPSK	50	24	19.43	19.63	19.57	20.20
20	QPSK	50	50	19.62	19.74	19.58	20.20
20	QPSK	100	0	19.45	19.61	19.46	20.20
20	16QAM	1	0	19.53	19.70	19.62	20.20
20	16QAM	1	49	19.59	19.71	19.67	20.20
20	16QAM	1	99	19.53	19.69	19.60	20.20
20	16QAM	50	0	19.59	19.73	19.57	20.20
20	16QAM	50	24	19.66	19.82	19.67	20.20
20	16QAM	50	50	19.59	19.67	19.54	20.20
20	16QAM	100	0	19.69	19.81	19.72	20.20
20	64QAM	1	0	19.55	19.65	19.52	20.20
20	64QAM	1	49	19.55	19.70	19.60	20.20
20	64QAM	1	99	19.59	19.68	19.55	20.20
20	64QAM	50	0	19.71	19.82	19.72	20.20
20	64QAM	50	24	19.54	19.64	19.59	20.20
20	64QAM	50	50	19.63	19.70	19.60	20.20
20	64QAM	100	0	19.45	19.60	19.50	20.20
20	256QAM	1	0	19.63	19.78	19.64	20.20
20	256QAM	1	49	19.58	19.65	19.52	20.20
20	256QAM	1	99	19.60	19.68	19.56	20.20
20	256QAM	50	0	19.75	19.80	19.79	20.20
20	256QAM	50	24	19.57	19.76	19.66	20.20
20	256QAM	50	50	19.42	19.61	19.57	20.20
20	256QAM	100	0	19.73	19.84	19.80	20.20
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.74	19.81	19.70	20.20
15	QPSK	1	37	19.59	19.67	19.67	20.20
15	QPSK	1	74	19.45	19.48	19.44	20.20
15	QPSK	36	0	19.69	19.74	19.72	20.20
15	QPSK	36	20	19.38	19.53	19.56	20.20
15	QPSK	36	39	19.58	19.67	19.46	20.20
15	QPSK	75	0	19.34	19.53	19.44	20.20
15	16QAM	1	0	19.45	19.59	19.52	20.20
15	16QAM	1	37	19.53	19.61	19.66	20.20
15	16QAM	1	74	19.40	19.56	19.51	20.20
15	16QAM	36	0	19.50	19.65	19.43	20.20
15	16QAM	36	20	19.63	19.68	19.54	20.20
15	16QAM	36	39	19.45	19.55	19.46	20.20
15	16QAM	75	0	19.55	19.66	19.57	20.20
15	64QAM	1	0	19.44	19.61	19.42	20.20
15	64QAM	1	37	19.50	19.69	19.50	20.20
15	64QAM	1	74	19.55	19.64	19.42	20.20
15	64QAM	36	0	19.63	19.76	19.64	20.20
15	64QAM	36	20	19.40	19.53	19.52	20.20
15	64QAM	36	39	19.56	19.68	19.59	20.20
15	64QAM	75	0	19.36	19.52	19.39	20.20
15	256QAM	1	0	19.56	19.75	19.54	20.20
15	256QAM	1	37	19.48	19.59	19.46	20.20
15	256QAM	1	74	19.47	19.65	19.53	20.20
15	256QAM	36	0	19.60	19.82	19.68	20.20
15	256QAM	36	20	19.49	19.64	19.53	20.20
15	256QAM	36	39	19.28	19.58	19.43	20.20
15	256QAM	75	0	19.61	19.77	19.77	20.20
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.75	19.77	19.74	20.20
10	QPSK	1	25	19.61	19.74	19.68	20.20
10	QPSK	1	49	19.46	19.52	19.39	20.20
10	QPSK	25	0	19.74	19.75	19.71	20.20
10	QPSK	25	12	19.34	19.51	19.51	20.20
10	QPSK	25	25	19.47	19.72	19.57	20.20
10	QPSK	50	0	19.44	19.56	19.36	20.20
10	16QAM	1	0	19.48	19.64	19.54	20.20
10	16QAM	1	25	19.45	19.60	19.61	20.20
10	16QAM	1	49	19.45	19.59	19.51	20.20
10	16QAM	25	0	19.46	19.62	19.44	20.20
10	16QAM	25	12	19.59	19.80	19.62	20.20



10	16QAM	25	25	19.51	19.65	19.43	20.20
10	16QAM	50	0	19.65	19.68	19.59	20.20
10	64QAM	1	0	19.54	19.64	19.40	20.20
10	64QAM	1	25	19.52	19.55	19.53	20.20
10	64QAM	1	49	19.45	19.59	19.46	20.20
10	64QAM	25	0	19.69	19.71	19.67	20.20
10	64QAM	25	12	19.43	19.56	19.56	20.20
10	64QAM	25	25	19.58	19.68	19.59	20.20
10	64QAM	50	0	19.30	19.46	19.46	20.20
10	256QAM	1	0	19.61	19.65	19.55	20.20
10	256QAM	1	25	19.45	19.57	19.41	20.20
10	256QAM	1	49	19.52	19.53	19.52	20.20
10	256QAM	25	0	19.60	19.87	19.69	20.20
10	256QAM	25	12	19.48	19.73	19.56	20.20
10	256QAM	25	25	19.37	19.54	19.43	20.20
10	256QAM	50	0	19.64	19.74	19.68	20.20
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.75	19.77	19.77	20.20
5	QPSK	1	12	19.64	19.73	19.61	20.20
5	QPSK	1	24	19.50	19.51	19.42	20.20
5	QPSK	12	0	19.78	19.80	19.76	20.20
5	QPSK	12	7	19.28	19.53	19.46	20.20
5	QPSK	12	13	19.59	19.59	19.49	20.20
5	QPSK	25	0	19.35	19.58	19.44	20.20
5	16QAM	1	0	19.39	19.62	19.54	20.20
5	16QAM	1	12	19.50	19.60	19.63	20.20
5	16QAM	1	24	19.47	19.66	19.48	20.20
5	16QAM	12	0	19.54	19.71	19.43	20.20
5	16QAM	12	7	19.65	19.68	19.64	20.20
5	16QAM	12	13	19.57	19.53	19.46	20.20
5	16QAM	25	0	19.63	19.78	19.70	20.20
5	64QAM	1	0	19.46	19.64	19.49	20.20
5	64QAM	1	12	19.52	19.66	19.50	20.20
5	64QAM	1	24	19.45	19.57	19.50	20.20
5	64QAM	12	0	19.63	19.77	19.69	20.20
5	64QAM	12	7	19.48	19.50	19.51	20.20
5	64QAM	12	13	19.52	19.65	19.50	20.20
5	64QAM	25	0	19.34	19.53	19.39	20.20
5	256QAM	1	0	19.58	19.65	19.58	20.20
5	256QAM	1	12	19.44	19.59	19.49	20.20
5	256QAM	1	24	19.52	19.57	19.52	20.20
5	256QAM	12	0	19.71	19.81	19.65	20.20
5	256QAM	12	7	19.51	19.71	19.62	20.20
5	256QAM	12	13	19.35	19.52	19.51	20.20
5	256QAM	25	0	19.68	19.81	19.71	20.20

【LTE Band 38_Ant 3_EC13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.83	21.88	21.86	22.20
20	QPSK	1	49	21.53	21.72	21.65	22.20
20	QPSK	1	99	21.65	21.72	21.59	22.20
20	QPSK	50	0	21.72	21.76	21.73	22.20
20	QPSK	50	24	21.48	21.65	21.52	22.20
20	QPSK	50	50	21.60	21.72	21.68	22.20
20	QPSK	100	0	21.70	21.74	21.71	22.20
20	16QAM	1	0	21.48	21.60	21.54	22.20
20	16QAM	1	49	21.45	21.64	21.48	22.20
20	16QAM	1	99	21.51	21.68	21.56	22.20
20	16QAM	50	0	21.55	21.63	21.52	22.20
20	16QAM	50	24	21.53	21.67	21.51	22.20
20	16QAM	50	50	21.63	21.72	21.57	22.20
20	16QAM	100	0	21.57	21.70	21.56	22.20
20	64QAM	1	0	21.44	21.62	21.56	22.20
20	64QAM	1	49	21.64	21.72	21.63	22.20
20	64QAM	1	99	21.57	21.66	21.51	22.20
20	64QAM	50	0	21.58	21.69	21.56	22.20
20	64QAM	50	24	21.50	21.64	21.54	22.20
20	64QAM	50	50	21.41	21.59	21.43	22.20



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20	64QAM	100	0	21.41	21.58	21.45	22.20
20	256QAM	1	0	20.29	20.41	20.27	20.70
20	256QAM	1	49	20.25	20.40	20.32	20.70
20	256QAM	1	99	20.20	20.38	20.27	20.70
20	256QAM	50	0	20.18	20.43	20.35	20.70
20	256QAM	50	24	20.26	20.42	20.28	20.70
20	256QAM	50	50	20.20	20.39	20.31	20.70
20	256QAM	100	0	20.19	20.36	20.21	20.70
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	21.70	21.83	21.71	22.20
15	QPSK	1	37	21.45	21.65	21.61	22.20
15	QPSK	1	74	21.57	21.61	21.44	22.20
15	QPSK	36	0	21.68	21.75	21.65	22.20
15	QPSK	36	20	21.34	21.64	21.47	22.20
15	QPSK	36	39	21.51	21.58	21.62	22.20
15	QPSK	75	0	21.59	21.60	21.69	22.20
15	16QAM	1	0	21.35	21.57	21.50	22.20
15	16QAM	1	37	21.31	21.55	21.35	22.20
15	16QAM	1	74	21.37	21.64	21.43	22.20
15	16QAM	36	0	21.45	21.49	21.47	22.20
15	16QAM	36	20	21.41	21.60	21.37	22.20
15	16QAM	36	39	21.51	21.64	21.46	22.20
15	16QAM	75	0	21.45	21.64	21.49	22.20
15	64QAM	1	0	21.41	21.49	21.44	22.20
15	64QAM	1	37	21.63	21.63	21.62	22.20
15	64QAM	1	74	21.55	21.61	21.42	22.20
15	64QAM	36	0	21.54	21.60	21.53	22.20
15	64QAM	36	20	21.42	21.50	21.50	22.20
15	64QAM	36	39	21.29	21.51	21.37	22.20
15	64QAM	75	0	21.35	21.51	21.37	22.20
15	256QAM	1	0	20.22	20.33	20.18	20.70
15	256QAM	1	37	20.15	20.36	20.23	20.70
15	256QAM	1	74	20.08	20.26	20.26	20.70
15	256QAM	36	0	20.06	20.34	20.25	20.70
15	256QAM	36	20	20.17	20.27	20.23	20.70
15	256QAM	36	39	20.19	20.26	20.16	20.70
15	256QAM	75	0	20.06	20.30	20.13	20.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	21.74	21.85	21.73	22.20
10	QPSK	1	25	21.40	21.69	21.58	22.20
10	QPSK	1	49	21.64	21.62	21.49	22.20
10	QPSK	25	0	21.66	21.70	21.64	22.20
10	QPSK	25	12	21.40	21.57	21.44	22.20
10	QPSK	25	25	21.57	21.65	21.56	22.20
10	QPSK	50	0	21.57	21.62	21.61	22.20
10	16QAM	1	0	21.38	21.50	21.43	22.20
10	16QAM	1	25	21.32	21.59	21.36	22.20
10	16QAM	1	49	21.37	21.57	21.54	22.20
10	16QAM	25	0	21.43	21.61	21.41	22.20
10	16QAM	25	12	21.39	21.56	21.46	22.20
10	16QAM	25	25	21.62	21.59	21.46	22.20
10	16QAM	50	0	21.46	21.62	21.43	22.20
10	64QAM	1	0	21.36	21.59	21.46	22.20
10	64QAM	1	25	21.62	21.66	21.48	22.20
10	64QAM	1	49	21.49	21.58	21.45	22.20
10	64QAM	25	0	21.50	21.60	21.43	22.20
10	64QAM	25	12	21.49	21.56	21.42	22.20
10	64QAM	25	25	21.29	21.58	21.38	22.20
10	64QAM	50	0	21.38	21.48	21.32	22.20
10	256QAM	1	0	20.19	20.27	20.25	20.70
10	256QAM	1	25	20.19	20.37	20.22	20.70
10	256QAM	1	49	20.09	20.24	20.26	20.70
10	256QAM	25	0	20.11	20.33	20.22	20.70
10	256QAM	25	12	20.22	20.31	20.19	20.70
10	256QAM	25	25	20.07	20.25	20.19	20.70
10	256QAM	50	0	20.10	20.26	20.12	20.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	21.71	21.84	21.75	22.20
5	QPSK	1	12	21.48	21.59	21.60	22.20
5	QPSK	1	24	21.51	21.67	21.46	22.20
5	QPSK	12	0	21.64	21.73	21.61	22.20
5	QPSK	12	7	21.42	21.62	21.45	22.20
5	QPSK	12	13	21.45	21.63	21.55	22.20
5	QPSK	25	0	21.67	21.61	21.65	22.20
5	16QAM	1	0	21.44	21.52	21.44	22.20



5	16QAM	1	12	21.34	21.59	21.42	22.20
5	16QAM	1	24	21.40	21.62	21.47	22.20
5	16QAM	12	0	21.48	21.59	21.43	22.20
5	16QAM	12	7	21.40	21.59	21.45	22.20
5	16QAM	12	13	21.54	21.66	21.46	22.20
5	16QAM	25	0	21.51	21.56	21.48	22.20
5	64QAM	1	0	21.37	21.52	21.47	22.20
5	64QAM	1	12	21.52	21.60	21.60	22.20
5	64QAM	1	24	21.53	21.52	21.37	22.20
5	64QAM	12	0	21.45	21.60	21.48	22.20
5	64QAM	12	7	21.46	21.56	21.49	22.20
5	64QAM	12	13	21.29	21.45	21.28	22.20
5	64QAM	25	0	21.35	21.44	21.40	22.20
5	256QAM	1	0	20.18	20.40	20.18	20.70
5	256QAM	1	12	20.10	20.32	20.25	20.70
5	256QAM	1	24	20.06	20.25	20.19	20.70
5	256QAM	12	0	20.11	20.28	20.22	20.70
5	256QAM	12	7	20.20	20.33	20.19	20.70
5	256QAM	12	13	20.19	20.37	20.22	20.70
5	256QAM	25	0	20.05	20.32	20.07	20.70

【LTE Band 38_Ant 3_EC14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.25	25.37	25.30	25.70
20	QPSK	1	49	24.96	25.17	25.05	25.70
20	QPSK	1	99	25.01	25.15	24.97	25.70
20	QPSK	50	0	24.21	24.38	24.22	24.70
20	QPSK	50	24	24.17	24.35	24.19	24.70
20	QPSK	50	50	24.19	24.35	24.19	24.70
20	QPSK	100	0	24.12	24.37	24.19	24.70
20	16QAM	1	0	24.46	24.64	24.54	24.70
20	16QAM	1	49	24.35	24.53	24.42	24.70
20	16QAM	1	99	24.29	24.53	24.43	24.70
20	16QAM	50	0	23.23	23.40	23.27	23.70
20	16QAM	50	24	23.18	23.36	23.28	23.70
20	16QAM	50	50	23.21	23.37	23.26	23.70
20	16QAM	100	0	23.16	23.40	23.26	23.70
20	64QAM	1	0	22.85	23.03	22.96	23.70
20	64QAM	1	49	22.77	23.02	22.87	23.70
20	64QAM	1	99	22.80	23.03	22.91	23.70
20	64QAM	50	0	22.23	22.39	22.29	22.70
20	64QAM	50	24	22.25	22.37	22.19	22.70
20	64QAM	50	50	22.20	22.35	22.19	22.70
20	64QAM	100	0	22.15	22.39	22.26	22.70
20	256QAM	1	0	20.29	20.41	20.27	20.70
20	256QAM	1	49	20.25	20.40	20.32	20.70
20	256QAM	1	99	20.20	20.38	20.27	20.70
20	256QAM	50	0	20.18	20.43	20.35	20.70
20	256QAM	50	24	20.26	20.42	20.28	20.70
20	256QAM	50	50	20.20	20.39	20.31	20.70
20	256QAM	100	0	20.19	20.36	20.21	20.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.17	25.30	25.25	25.70
15	QPSK	1	37	24.89	25.08	24.94	25.70
15	QPSK	1	74	24.96	25.06	24.91	25.70
15	QPSK	36	0	24.02	24.36	24.09	24.70
15	QPSK	36	20	24.14	24.25	24.09	24.70
15	QPSK	36	39	24.16	24.22	24.15	24.70
15	QPSK	75	0	23.99	24.23	24.17	24.70
15	16QAM	1	0	24.39	24.50	24.48	24.70
15	16QAM	1	37	24.22	24.47	24.40	24.70
15	16QAM	1	74	24.24	24.44	24.34	24.70
15	16QAM	36	0	23.18	23.27	23.22	23.70
15	16QAM	36	20	23.10	23.31	23.26	23.70
15	16QAM	36	39	23.14	23.32	23.21	23.70
15	16QAM	75	0	23.02	23.32	23.20	23.70
15	64QAM	1	0	22.75	22.88	22.90	23.70
15	64QAM	1	37	22.65	23.01	22.81	23.70



15	64QAM	1	74	22.77	22.95	22.80	23.70
15	64QAM	36	0	22.12	22.31	22.20	22.70
15	64QAM	36	20	22.22	22.25	22.14	22.70
15	64QAM	36	39	22.16	22.20	22.07	22.70
15	64QAM	75	0	22.02	22.33	22.24	22.70
15	256QAM	1	0	20.26	20.40	20.17	20.70
15	256QAM	1	37	20.15	20.30	20.21	20.70
15	256QAM	1	74	20.11	20.30	20.12	20.70
15	256QAM	36	0	20.14	20.34	20.25	20.70
15	256QAM	36	20	20.24	20.35	20.17	20.70
15	256QAM	36	39	20.17	20.25	20.17	20.70
15	256QAM	75	0	20.09	20.31	20.18	20.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	25.17	25.34	25.15	25.70
10	QPSK	1	25	24.93	25.16	24.99	25.70
10	QPSK	1	49	24.98	25.04	24.94	25.70
10	QPSK	25	0	24.12	24.25	24.18	24.70
10	QPSK	25	12	24.08	24.33	24.10	24.70
10	QPSK	25	25	24.10	24.28	24.09	24.70
10	QPSK	50	0	24.05	24.22	24.16	24.70
10	16QAM	1	0	24.32	24.50	24.48	24.70
10	16QAM	1	25	24.24	24.42	24.29	24.70
10	16QAM	1	49	24.27	24.46	24.40	24.70
10	16QAM	25	0	23.20	23.35	23.21	23.70
10	16QAM	25	12	23.13	23.21	23.23	23.70
10	16QAM	25	25	23.07	23.27	23.20	23.70
10	16QAM	50	0	23.10	23.26	23.15	23.70
10	64QAM	1	0	22.83	22.93	22.93	23.70
10	64QAM	1	25	22.74	22.90	22.80	23.70
10	64QAM	1	49	22.77	22.94	22.80	23.70
10	64QAM	25	0	22.14	22.26	22.22	22.70
10	64QAM	25	12	22.23	22.35	22.09	22.70
10	64QAM	25	25	22.14	22.21	22.15	22.70
10	64QAM	50	0	22.05	22.28	22.21	22.70
10	256QAM	1	0	20.26	20.27	20.12	20.70
10	256QAM	1	25	20.13	20.28	20.21	20.70
10	256QAM	1	49	20.15	20.31	20.16	20.70
10	256QAM	25	0	20.08	20.33	20.31	20.70
10	256QAM	25	12	20.15	20.39	20.18	20.70
10	256QAM	25	25	20.11	20.32	20.23	20.70
10	256QAM	50	0	20.17	20.28	20.09	20.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	25.12	25.31	25.24	25.70
5	QPSK	1	12	24.92	25.07	24.90	25.70
5	QPSK	1	24	24.92	25.10	24.90	25.70
5	QPSK	12	0	24.05	24.25	24.08	24.70
5	QPSK	12	7	24.03	24.25	24.05	24.70
5	QPSK	12	13	24.08	24.32	24.12	24.70
5	QPSK	25	0	24.04	24.24	24.18	24.70
5	16QAM	1	0	24.34	24.55	24.43	24.70
5	16QAM	1	12	24.21	24.47	24.35	24.70
5	16QAM	1	24	24.21	24.49	24.36	24.70
5	16QAM	12	0	23.17	23.31	23.24	23.70
5	16QAM	12	7	23.07	23.27	23.22	23.70
5	16QAM	12	13	23.09	23.36	23.12	23.70
5	16QAM	25	0	23.14	23.38	23.17	23.70
5	64QAM	1	0	22.73	22.89	22.90	23.70
5	64QAM	1	12	22.64	22.88	22.79	23.70
5	64QAM	1	24	22.78	22.98	22.80	23.70
5	64QAM	12	0	22.20	22.31	22.23	22.70
5	64QAM	12	7	22.15	22.24	22.16	22.70
5	64QAM	12	13	22.06	22.28	22.11	22.70
5	64QAM	25	0	22.10	22.36	22.24	22.70
5	256QAM	1	0	20.27	20.38	20.26	20.70
5	256QAM	1	12	20.19	20.30	20.30	20.70
5	256QAM	1	24	20.08	20.32	20.16	20.70
5	256QAM	12	0	20.09	20.29	20.25	20.70
5	256QAM	12	7	20.25	20.32	20.24	20.70
5	256QAM	12	13	20.14	20.35	20.24	20.70
5	256QAM	25	0	20.10	20.27	20.19	20.70

**【LTE Band 38_Ant 3_ECI5】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.81	19.86	19.83	20.20
20	QPSK	1	49	19.68	19.76	19.71	20.20
20	QPSK	1	99	19.53	19.61	19.52	20.20
20	QPSK	50	0	19.81	19.83	19.79	20.20
20	QPSK	50	24	19.43	19.63	19.57	20.20
20	QPSK	50	50	19.62	19.74	19.58	20.20
20	QPSK	100	0	19.45	19.61	19.46	20.20
20	16QAM	1	0	19.53	19.70	19.62	20.20
20	16QAM	1	49	19.59	19.71	19.67	20.20
20	16QAM	1	99	19.53	19.69	19.60	20.20
20	16QAM	50	0	19.59	19.73	19.57	20.20
20	16QAM	50	24	19.66	19.82	19.67	20.20
20	16QAM	50	50	19.59	19.67	19.54	20.20
20	16QAM	100	0	19.69	19.81	19.72	20.20
20	64QAM	1	0	19.55	19.65	19.52	20.20
20	64QAM	1	49	19.55	19.70	19.60	20.20
20	64QAM	1	99	19.59	19.68	19.55	20.20
20	64QAM	50	0	19.71	19.82	19.72	20.20
20	64QAM	50	24	19.54	19.64	19.59	20.20
20	64QAM	50	50	19.63	19.70	19.60	20.20
20	64QAM	100	0	19.45	19.60	19.50	20.20
20	256QAM	1	0	19.63	19.78	19.64	20.20
20	256QAM	1	49	19.58	19.65	19.52	20.20
20	256QAM	1	99	19.60	19.68	19.56	20.20
20	256QAM	50	0	19.75	19.80	19.79	20.20
20	256QAM	50	24	19.57	19.76	19.66	20.20
20	256QAM	50	50	19.42	19.61	19.57	20.20
20	256QAM	100	0	19.73	19.84	19.80	20.20
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.74	19.81	19.70	20.20
15	QPSK	1	37	19.59	19.67	19.67	20.20
15	QPSK	1	74	19.45	19.48	19.44	20.20
15	QPSK	36	0	19.69	19.74	19.72	20.20
15	QPSK	36	20	19.38	19.53	19.56	20.20
15	QPSK	36	39	19.58	19.67	19.46	20.20
15	QPSK	75	0	19.34	19.53	19.44	20.20
15	16QAM	1	0	19.45	19.59	19.52	20.20
15	16QAM	1	37	19.53	19.61	19.66	20.20
15	16QAM	1	74	19.40	19.56	19.51	20.20
15	16QAM	36	0	19.50	19.65	19.43	20.20
15	16QAM	36	20	19.63	19.68	19.54	20.20
15	16QAM	36	39	19.45	19.55	19.46	20.20
15	16QAM	75	0	19.55	19.66	19.57	20.20
15	64QAM	1	0	19.44	19.61	19.42	20.20
15	64QAM	1	37	19.50	19.69	19.50	20.20
15	64QAM	1	74	19.55	19.64	19.42	20.20
15	64QAM	36	0	19.63	19.76	19.64	20.20
15	64QAM	36	20	19.40	19.53	19.52	20.20
15	64QAM	36	39	19.56	19.68	19.59	20.20
15	64QAM	75	0	19.36	19.52	19.39	20.20
15	256QAM	1	0	19.56	19.75	19.54	20.20
15	256QAM	1	37	19.48	19.59	19.46	20.20
15	256QAM	1	74	19.47	19.65	19.53	20.20
15	256QAM	36	0	19.60	19.82	19.68	20.20
15	256QAM	36	20	19.49	19.64	19.53	20.20
15	256QAM	36	39	19.28	19.58	19.43	20.20
15	256QAM	75	0	19.61	19.77	19.77	20.20
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.75	19.77	19.74	20.20
10	QPSK	1	25	19.61	19.74	19.68	20.20
10	QPSK	1	49	19.46	19.52	19.39	20.20
10	QPSK	25	0	19.74	19.75	19.71	20.20
10	QPSK	25	12	19.34	19.51	19.51	20.20
10	QPSK	25	25	19.47	19.72	19.57	20.20
10	QPSK	50	0	19.44	19.56	19.36	20.20
10	16QAM	1	0	19.48	19.64	19.54	20.20
10	16QAM	1	25	19.45	19.60	19.61	20.20
10	16QAM	1	49	19.45	19.59	19.51	20.20
10	16QAM	25	0	19.46	19.62	19.44	20.20
10	16QAM	25	12	19.59	19.80	19.62	20.20



10	16QAM	25	25	19.51	19.65	19.43	20.20
10	16QAM	50	0	19.65	19.68	19.59	20.20
10	64QAM	1	0	19.54	19.64	19.40	20.20
10	64QAM	1	25	19.52	19.55	19.53	20.20
10	64QAM	1	49	19.45	19.59	19.46	20.20
10	64QAM	25	0	19.69	19.71	19.67	20.20
10	64QAM	25	12	19.43	19.56	19.56	20.20
10	64QAM	25	25	19.58	19.68	19.59	20.20
10	64QAM	50	0	19.30	19.46	19.46	20.20
10	256QAM	1	0	19.61	19.65	19.55	20.20
10	256QAM	1	25	19.45	19.57	19.41	20.20
10	256QAM	1	49	19.52	19.53	19.52	20.20
10	256QAM	25	0	19.60	19.87	19.69	20.20
10	256QAM	25	12	19.48	19.73	19.56	20.20
10	256QAM	25	25	19.37	19.54	19.43	20.20
10	256QAM	50	0	19.64	19.74	19.68	20.20
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.75	19.77	19.77	20.20
5	QPSK	1	12	19.64	19.73	19.61	20.20
5	QPSK	1	24	19.50	19.51	19.42	20.20
5	QPSK	12	0	19.78	19.80	19.76	20.20
5	QPSK	12	7	19.28	19.53	19.46	20.20
5	QPSK	12	13	19.59	19.59	19.49	20.20
5	QPSK	25	0	19.35	19.58	19.44	20.20
5	16QAM	1	0	19.39	19.62	19.54	20.20
5	16QAM	1	12	19.50	19.60	19.63	20.20
5	16QAM	1	24	19.47	19.66	19.48	20.20
5	16QAM	12	0	19.54	19.71	19.43	20.20
5	16QAM	12	7	19.65	19.68	19.64	20.20
5	16QAM	12	13	19.57	19.53	19.46	20.20
5	16QAM	25	0	19.63	19.78	19.70	20.20
5	64QAM	1	0	19.46	19.64	19.49	20.20
5	64QAM	1	12	19.52	19.66	19.50	20.20
5	64QAM	1	24	19.45	19.57	19.50	20.20
5	64QAM	12	0	19.63	19.77	19.69	20.20
5	64QAM	12	7	19.48	19.50	19.51	20.20
5	64QAM	12	13	19.52	19.65	19.50	20.20
5	64QAM	25	0	19.34	19.53	19.39	20.20
5	256QAM	1	0	19.58	19.65	19.58	20.20
5	256QAM	1	12	19.44	19.59	19.49	20.20
5	256QAM	1	24	19.52	19.57	19.52	20.20
5	256QAM	12	0	19.71	19.81	19.65	20.20
5	256QAM	12	7	19.51	19.71	19.62	20.20
5	256QAM	12	13	19.35	19.52	19.51	20.20
5	256QAM	25	0	19.68	19.81	19.71	20.20

【LTE Band 38_Ant 4_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.42	24.43	24.36	25.50
20	QPSK	1	49	24.25	24.31	24.12	25.50
20	QPSK	1	99	24.18	24.22	24.13	25.50
20	QPSK	50	0	23.46	23.56	23.41	24.50
20	QPSK	50	24	23.41	23.50	23.35	24.50
20	QPSK	50	50	23.35	23.45	23.33	24.50
20	QPSK	100	0	23.43	23.51	23.43	24.50
20	16QAM	1	0	23.69	23.76	23.58	24.50
20	16QAM	1	49	23.47	23.59	23.46	24.50
20	16QAM	1	99	23.43	23.55	23.40	24.50
20	16QAM	50	0	22.47	22.57	22.48	23.50
20	16QAM	50	24	22.37	22.50	22.29	23.50
20	16QAM	50	50	22.40	22.45	22.35	23.50
20	16QAM	100	0	22.45	22.54	22.42	23.50
20	64QAM	1	0	22.26	22.32	22.24	23.50
20	64QAM	1	49	22.22	22.28	22.09	23.50
20	64QAM	1	99	22.05	22.19	22.01	23.50
20	64QAM	50	0	21.49	21.58	21.42	22.50
20	64QAM	50	24	21.39	21.53	21.41	22.50
20	64QAM	50	50	21.42	21.48	21.36	22.50



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20	64QAM	100	0	21.48	21.51	21.41	22.50
20	256QAM	1	0	19.46	19.59	19.39	20.50
20	256QAM	1	49	19.53	19.55	19.45	20.50
20	256QAM	1	99	19.38	19.46	19.38	20.50
20	256QAM	50	0	19.46	19.59	19.43	20.50
20	256QAM	50	24	19.47	19.54	19.43	20.50
20	256QAM	50	50	19.45	19.49	19.32	20.50
20	256QAM	100	0	19.41	19.50	19.37	20.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	24.31	24.31	24.28	25.50
15	QPSK	1	37	24.13	24.23	24.07	25.50
15	QPSK	1	74	24.08	24.14	24.09	25.50
15	QPSK	36	0	23.33	23.43	23.31	24.50
15	QPSK	36	20	23.34	23.38	23.31	24.50
15	QPSK	36	39	23.29	23.39	23.32	24.50
15	QPSK	75	0	23.40	23.45	23.30	24.50
15	16QAM	1	0	23.65	23.67	23.53	24.50
15	16QAM	1	37	23.45	23.56	23.37	24.50
15	16QAM	1	74	23.39	23.51	23.38	24.50
15	16QAM	36	0	22.40	22.52	22.37	23.50
15	16QAM	36	20	22.30	22.45	22.16	23.50
15	16QAM	36	39	22.37	22.41	22.21	23.50
15	16QAM	75	0	22.36	22.41	22.40	23.50
15	64QAM	1	0	22.22	22.18	22.17	23.50
15	64QAM	1	37	22.12	22.22	22.05	23.50
15	64QAM	1	74	21.96	22.13	21.91	23.50
15	64QAM	36	0	21.39	21.53	21.31	22.50
15	64QAM	36	20	21.37	21.41	21.26	22.50
15	64QAM	36	39	21.37	21.42	21.22	22.50
15	64QAM	75	0	21.34	21.39	21.30	22.50
15	256QAM	1	0	19.44	19.51	19.32	20.50
15	256QAM	1	37	19.41	19.50	19.37	20.50
15	256QAM	1	74	19.30	19.34	19.33	20.50
15	256QAM	36	0	19.40	19.52	19.36	20.50
15	256QAM	36	20	19.35	19.43	19.39	20.50
15	256QAM	36	39	19.34	19.46	19.30	20.50
15	256QAM	75	0	19.33	19.47	19.32	20.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	24.38	24.42	24.31	25.50
10	QPSK	1	25	24.11	24.28	24.07	25.50
10	QPSK	1	49	24.03	24.20	24.11	25.50
10	QPSK	25	0	23.37	23.54	23.24	24.50
10	QPSK	25	12	23.36	23.48	23.30	24.50
10	QPSK	25	25	23.24	23.38	23.31	24.50
10	QPSK	50	0	23.42	23.36	23.39	24.50
10	16QAM	1	0	23.65	23.66	23.46	24.50
10	16QAM	1	25	23.40	23.45	23.38	24.50
10	16QAM	1	49	23.31	23.43	23.31	24.50
10	16QAM	25	0	22.45	22.47	22.47	23.50
10	16QAM	25	12	22.23	22.47	22.19	23.50
10	16QAM	25	25	22.33	22.38	22.31	23.50
10	16QAM	50	0	22.39	22.53	22.30	23.50
10	64QAM	1	0	22.16	22.29	22.10	23.50
10	64QAM	1	25	22.08	22.26	22.02	23.50
10	64QAM	1	49	21.95	22.15	21.88	23.50
10	64QAM	25	0	21.41	21.51	21.35	22.50
10	64QAM	25	12	21.24	21.43	21.40	22.50
10	64QAM	25	25	21.34	21.37	21.27	22.50
10	64QAM	50	0	21.44	21.44	21.31	22.50
10	256QAM	1	0	19.32	19.47	19.35	20.50
10	256QAM	1	25	19.42	19.45	19.35	20.50
10	256QAM	1	49	19.35	19.43	19.23	20.50
10	256QAM	25	0	19.32	19.46	19.32	20.50
10	256QAM	25	12	19.36	19.40	19.33	20.50
10	256QAM	25	25	19.42	19.40	19.27	20.50
10	256QAM	50	0	19.34	19.44	19.25	20.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	24.34	24.42	24.34	25.50
5	QPSK	1	12	24.16	24.26	23.99	25.50
5	QPSK	1	24	24.14	24.07	24.01	25.50
5	QPSK	12	0	23.44	23.41	23.27	24.50
5	QPSK	12	7	23.30	23.36	23.25	24.50
5	QPSK	12	13	23.28	23.43	23.24	24.50
5	QPSK	25	0	23.40	23.47	23.38	24.50
5	16QAM	1	0	23.59	23.65	23.44	24.50



5	16QAM	1	12	23.39	23.50	23.37	24.50
5	16QAM	1	24	23.37	23.49	23.38	24.50
5	16QAM	12	0	22.45	22.48	22.46	23.50
5	16QAM	12	7	22.32	22.37	22.23	23.50
5	16QAM	12	13	22.32	22.30	22.24	23.50
5	16QAM	25	0	22.44	22.49	22.29	23.50
5	64QAM	1	0	22.25	22.22	22.14	23.50
5	64QAM	1	12	22.11	22.18	21.95	23.50
5	64QAM	1	24	21.94	22.14	21.94	23.50
5	64QAM	12	0	21.35	21.50	21.36	22.50
5	64QAM	12	7	21.36	21.51	21.34	22.50
5	64QAM	12	13	21.30	21.35	21.31	22.50
5	64QAM	25	0	21.43	21.38	21.28	22.50
5	256QAM	1	0	19.39	19.55	19.27	20.50
5	256QAM	1	12	19.39	19.48	19.35	20.50
5	256QAM	1	24	19.34	19.33	19.25	20.50
5	256QAM	12	0	19.36	19.51	19.31	20.50
5	256QAM	12	7	19.33	19.53	19.39	20.50
5	256QAM	12	13	19.30	19.36	19.18	20.50
5	256QAM	25	0	19.27	19.40	19.31	20.50

【LTE Band 38_Ant 4_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.42	24.43	24.36	25.50
20	QPSK	1	49	24.25	24.31	24.12	25.50
20	QPSK	1	99	24.18	24.22	24.13	25.50
20	QPSK	50	0	23.46	23.56	23.41	24.50
20	QPSK	50	24	23.41	23.50	23.35	24.50
20	QPSK	50	50	23.35	23.45	23.33	24.50
20	QPSK	100	0	23.43	23.51	23.43	24.50
20	16QAM	1	0	23.69	23.76	23.58	24.50
20	16QAM	1	49	23.47	23.59	23.46	24.50
20	16QAM	1	99	23.43	23.55	23.40	24.50
20	16QAM	50	0	22.47	22.57	22.48	23.50
20	16QAM	50	24	22.37	22.50	22.29	23.50
20	16QAM	50	50	22.40	22.45	22.35	23.50
20	16QAM	100	0	22.45	22.54	22.42	23.50
20	64QAM	1	0	22.26	22.32	22.24	23.50
20	64QAM	1	49	22.22	22.28	22.09	23.50
20	64QAM	1	99	22.05	22.19	22.01	23.50
20	64QAM	50	0	21.49	21.58	21.42	22.50
20	64QAM	50	24	21.39	21.53	21.41	22.50
20	64QAM	50	50	21.42	21.48	21.36	22.50
20	64QAM	100	0	21.48	21.51	21.41	22.50
20	256QAM	1	0	19.46	19.59	19.39	20.50
20	256QAM	1	49	19.53	19.55	19.45	20.50
20	256QAM	1	99	19.38	19.46	19.38	20.50
20	256QAM	50	0	19.46	19.59	19.43	20.50
20	256QAM	50	24	19.47	19.54	19.43	20.50
20	256QAM	50	50	19.45	19.49	19.32	20.50
20	256QAM	100	0	19.41	19.50	19.37	20.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.31	24.31	24.28	25.50
15	QPSK	1	37	24.13	24.23	24.07	25.50
15	QPSK	1	74	24.08	24.14	24.09	25.50
15	QPSK	36	0	23.33	23.43	23.31	24.50
15	QPSK	36	20	23.34	23.38	23.31	24.50
15	QPSK	36	39	23.29	23.39	23.32	24.50
15	QPSK	75	0	23.40	23.45	23.30	24.50
15	16QAM	1	0	23.65	23.67	23.53	24.50
15	16QAM	1	37	23.45	23.56	23.37	24.50
15	16QAM	1	74	23.39	23.51	23.38	24.50
15	16QAM	36	0	22.40	22.52	22.37	23.50
15	16QAM	36	20	22.30	22.45	22.16	23.50
15	16QAM	36	39	22.37	22.41	22.21	23.50
15	16QAM	75	0	22.36	22.41	22.40	23.50
15	64QAM	1	0	22.22	22.18	22.17	23.50
15	64QAM	1	37	22.12	22.22	22.05	23.50



15	64QAM	1	74	21.96	22.13	21.91	23.50
15	64QAM	36	0	21.39	21.53	21.31	22.50
15	64QAM	36	20	21.37	21.41	21.26	22.50
15	64QAM	36	39	21.37	21.42	21.22	22.50
15	64QAM	75	0	21.34	21.39	21.30	22.50
15	256QAM	1	0	19.44	19.51	19.32	20.50
15	256QAM	1	37	19.41	19.50	19.37	20.50
15	256QAM	1	74	19.30	19.34	19.33	20.50
15	256QAM	36	0	19.40	19.52	19.36	20.50
15	256QAM	36	20	19.35	19.43	19.39	20.50
15	256QAM	36	39	19.34	19.46	19.30	20.50
15	256QAM	75	0	19.33	19.47	19.32	20.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.38	24.42	24.31	25.50
10	QPSK	1	25	24.11	24.28	24.07	25.50
10	QPSK	1	49	24.03	24.20	24.11	25.50
10	QPSK	25	0	23.37	23.54	23.24	24.50
10	QPSK	25	12	23.36	23.48	23.30	24.50
10	QPSK	25	25	23.24	23.38	23.31	24.50
10	QPSK	50	0	23.42	23.36	23.39	24.50
10	16QAM	1	0	23.65	23.66	23.46	24.50
10	16QAM	1	25	23.40	23.45	23.38	24.50
10	16QAM	1	49	23.31	23.43	23.31	24.50
10	16QAM	25	0	22.45	22.47	22.47	23.50
10	16QAM	25	12	22.23	22.47	22.19	23.50
10	16QAM	25	25	22.33	22.38	22.31	23.50
10	16QAM	50	0	22.39	22.53	22.30	23.50
10	64QAM	1	0	22.16	22.29	22.10	23.50
10	64QAM	1	25	22.08	22.26	22.02	23.50
10	64QAM	1	49	21.95	22.15	21.88	23.50
10	64QAM	25	0	21.41	21.51	21.35	22.50
10	64QAM	25	12	21.24	21.43	21.40	22.50
10	64QAM	25	25	21.34	21.37	21.27	22.50
10	64QAM	50	0	21.44	21.44	21.31	22.50
10	256QAM	1	0	19.32	19.47	19.35	20.50
10	256QAM	1	25	19.42	19.45	19.35	20.50
10	256QAM	1	49	19.35	19.43	19.23	20.50
10	256QAM	25	0	19.32	19.46	19.32	20.50
10	256QAM	25	12	19.36	19.40	19.33	20.50
10	256QAM	25	25	19.42	19.40	19.27	20.50
10	256QAM	50	0	19.34	19.44	19.25	20.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.34	24.42	24.34	25.50
5	QPSK	1	12	24.16	24.26	23.99	25.50
5	QPSK	1	24	24.14	24.07	24.01	25.50
5	QPSK	12	0	23.44	23.41	23.27	24.50
5	QPSK	12	7	23.30	23.36	23.25	24.50
5	QPSK	12	13	23.28	23.43	23.24	24.50
5	QPSK	25	0	23.40	23.47	23.38	24.50
5	16QAM	1	0	23.59	23.65	23.44	24.50
5	16QAM	1	12	23.39	23.50	23.37	24.50
5	16QAM	1	24	23.37	23.49	23.38	24.50
5	16QAM	12	0	22.45	22.48	22.46	23.50
5	16QAM	12	7	22.32	22.37	22.23	23.50
5	16QAM	12	13	22.32	22.30	22.24	23.50
5	16QAM	25	0	22.44	22.49	22.29	23.50
5	64QAM	1	0	22.25	22.22	22.14	23.50
5	64QAM	1	12	22.11	22.18	21.95	23.50
5	64QAM	1	24	21.94	22.14	21.94	23.50
5	64QAM	12	0	21.35	21.50	21.36	22.50
5	64QAM	12	7	21.36	21.51	21.34	22.50
5	64QAM	12	13	21.30	21.35	21.31	22.50
5	64QAM	25	0	21.43	21.38	21.28	22.50
5	256QAM	1	0	19.39	19.55	19.27	20.50
5	256QAM	1	12	19.39	19.48	19.35	20.50
5	256QAM	1	24	19.34	19.33	19.25	20.50
5	256QAM	12	0	19.36	19.51	19.31	20.50
5	256QAM	12	7	19.33	19.53	19.39	20.50
5	256QAM	12	13	19.30	19.36	19.18	20.50
5	256QAM	25	0	19.27	19.40	19.31	20.50



【LTE Band 38_Ant 4_ECI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.00	21.02	21.01	22.00
20	QPSK	1	49	20.83	20.97	20.94	22.00
20	QPSK	1	99	20.74	20.88	20.77	22.00
20	QPSK	50	0	20.93	20.95	20.91	22.00
20	QPSK	50	24	20.81	20.93	20.84	22.00
20	QPSK	50	50	20.77	20.89	20.82	22.00
20	QPSK	100	0	20.88	20.90	20.89	22.00
20	16QAM	1	0	20.82	20.92	20.76	22.00
20	16QAM	1	49	20.69	20.77	20.64	22.00
20	16QAM	1	99	20.64	20.74	20.70	22.00
20	16QAM	50	0	20.84	20.87	20.76	22.00
20	16QAM	50	24	20.74	20.83	20.80	22.00
20	16QAM	50	50	20.65	20.80	20.65	22.00
20	16QAM	100	0	20.69	20.77	20.72	22.00
20	64QAM	1	0	20.80	20.88	20.79	22.00
20	64QAM	1	49	20.80	20.85	20.81	22.00
20	64QAM	1	99	20.70	20.81	20.72	22.00
20	64QAM	50	0	20.59	20.69	20.59	22.00
20	64QAM	50	24	20.57	20.67	20.52	22.00
20	64QAM	50	50	20.65	20.74	20.59	22.00
20	64QAM	100	0	20.40	20.46	20.42	22.00
20	256QAM	1	0	19.46	19.59	19.39	20.50
20	256QAM	1	49	19.53	19.55	19.45	20.50
20	256QAM	1	99	19.38	19.46	19.38	20.50
20	256QAM	50	0	19.46	19.59	19.43	20.50
20	256QAM	50	24	19.47	19.54	19.43	20.50
20	256QAM	50	50	19.45	19.49	19.32	20.50
20	256QAM	100	0	19.41	19.50	19.37	20.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.89	20.88	20.90	22.00
15	QPSK	1	37	20.78	20.91	20.85	22.00
15	QPSK	1	74	20.70	20.82	20.63	22.00
15	QPSK	36	0	20.91	20.83	20.79	22.00
15	QPSK	36	20	20.67	20.87	20.75	22.00
15	QPSK	36	39	20.66	20.77	20.75	22.00
15	QPSK	75	0	20.74	20.87	20.74	22.00
15	16QAM	1	0	20.75	20.81	20.68	22.00
15	16QAM	1	37	20.67	20.64	20.59	22.00
15	16QAM	1	74	20.58	20.71	20.67	22.00
15	16QAM	36	0	20.78	20.77	20.73	22.00
15	16QAM	36	20	20.71	20.76	20.70	22.00
15	16QAM	36	39	20.61	20.77	20.50	22.00
15	16QAM	75	0	20.60	20.64	20.61	22.00
15	64QAM	1	0	20.67	20.81	20.68	22.00
15	64QAM	1	37	20.66	20.76	20.75	22.00
15	64QAM	1	74	20.58	20.77	20.63	22.00
15	64QAM	36	0	20.55	20.67	20.52	22.00
15	64QAM	36	20	20.53	20.61	20.40	22.00
15	64QAM	36	39	20.58	20.65	20.50	22.00
15	64QAM	75	0	20.35	20.39	20.30	22.00
15	256QAM	1	0	19.35	19.45	19.25	20.50
15	256QAM	1	37	19.39	19.47	19.34	20.50
15	256QAM	1	74	19.34	19.43	19.29	20.50
15	256QAM	36	0	19.45	19.53	19.42	20.50
15	256QAM	36	20	19.40	19.48	19.37	20.50
15	256QAM	36	39	19.33	19.37	19.27	20.50
15	256QAM	75	0	19.28	19.43	19.32	20.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.97	20.89	21.00	22.00
10	QPSK	1	25	20.74	20.83	20.82	22.00
10	QPSK	1	49	20.68	20.76	20.67	22.00
10	QPSK	25	0	20.86	20.83	20.90	22.00
10	QPSK	25	12	20.71	20.90	20.76	22.00
10	QPSK	25	25	20.66	20.74	20.69	22.00
10	QPSK	50	0	20.77	20.87	20.79	22.00
10	16QAM	1	0	20.79	20.85	20.67	22.00
10	16QAM	1	25	20.67	20.63	20.50	22.00
10	16QAM	1	49	20.53	20.72	20.64	22.00
10	16QAM	25	0	20.72	20.77	20.74	22.00
10	16QAM	25	12	20.60	20.74	20.77	22.00



10	16QAM	25	25	20.55	20.74	20.61	22.00
10	16QAM	50	0	20.54	20.67	20.69	22.00
10	64QAM	1	0	20.73	20.74	20.71	22.00
10	64QAM	1	25	20.73	20.83	20.74	22.00
10	64QAM	1	49	20.68	20.66	20.63	22.00
10	64QAM	25	0	20.55	20.63	20.50	22.00
10	64QAM	25	12	20.51	20.59	20.43	22.00
10	64QAM	25	25	20.58	20.71	20.55	22.00
10	64QAM	50	0	20.29	20.33	20.31	22.00
10	256QAM	1	0	19.40	19.58	19.31	20.50
10	256QAM	1	25	19.45	19.40	19.43	20.50
10	256QAM	1	49	19.29	19.35	19.28	20.50
10	256QAM	25	0	19.34	19.51	19.36	20.50
10	256QAM	25	12	19.41	19.52	19.32	20.50
10	256QAM	25	25	19.33	19.47	19.27	20.50
10	256QAM	50	0	19.30	19.43	19.23	20.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.98	20.93	20.95	22.00
5	QPSK	1	12	20.79	20.90	20.90	22.00
5	QPSK	1	24	20.60	20.78	20.75	22.00
5	QPSK	12	0	20.78	20.92	20.82	22.00
5	QPSK	12	7	20.67	20.79	20.70	22.00
5	QPSK	12	13	20.74	20.82	20.74	22.00
5	QPSK	25	0	20.83	20.86	20.78	22.00
5	16QAM	1	0	20.73	20.83	20.72	22.00
5	16QAM	1	12	20.64	20.73	20.60	22.00
5	16QAM	1	24	20.60	20.69	20.58	22.00
5	16QAM	12	0	20.74	20.85	20.66	22.00
5	16QAM	12	7	20.64	20.72	20.69	22.00
5	16QAM	12	13	20.60	20.72	20.57	22.00
5	16QAM	25	0	20.57	20.71	20.65	22.00
5	64QAM	1	0	20.76	20.73	20.71	22.00
5	64QAM	1	12	20.77	20.82	20.69	22.00
5	64QAM	1	24	20.57	20.72	20.61	22.00
5	64QAM	12	0	20.51	20.56	20.50	22.00
5	64QAM	12	7	20.47	20.64	20.42	22.00
5	64QAM	12	13	20.59	20.61	20.44	22.00
5	64QAM	25	0	20.29	20.38	20.34	22.00
5	256QAM	1	0	19.36	19.54	19.31	20.50
5	256QAM	1	12	19.52	19.46	19.41	20.50
5	256QAM	1	24	19.36	19.33	19.31	20.50
5	256QAM	12	0	19.43	19.58	19.28	20.50
5	256QAM	12	7	19.45	19.40	19.37	20.50
5	256QAM	12	13	19.38	19.42	19.22	20.50
5	256QAM	25	0	19.37	19.37	19.32	20.50

【LTE Band 38_Ant 4_ECI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.00	21.02	21.01	22.00
20	QPSK	1	49	20.83	20.97	20.94	22.00
20	QPSK	1	99	20.74	20.88	20.77	22.00
20	QPSK	50	0	20.93	20.95	20.91	22.00
20	QPSK	50	24	20.81	20.93	20.84	22.00
20	QPSK	50	50	20.77	20.89	20.82	22.00
20	QPSK	100	0	20.88	20.90	20.89	22.00
20	16QAM	1	0	20.82	20.92	20.76	22.00
20	16QAM	1	49	20.69	20.77	20.64	22.00
20	16QAM	1	99	20.64	20.74	20.70	22.00
20	16QAM	50	0	20.84	20.87	20.76	22.00
20	16QAM	50	24	20.74	20.83	20.80	22.00
20	16QAM	50	50	20.65	20.80	20.65	22.00
20	16QAM	100	0	20.69	20.77	20.72	22.00
20	64QAM	1	0	20.80	20.88	20.79	22.00
20	64QAM	1	49	20.80	20.85	20.81	22.00
20	64QAM	1	99	20.70	20.81	20.72	22.00
20	64QAM	50	0	20.59	20.69	20.59	22.00
20	64QAM	50	24	20.57	20.67	20.52	22.00
20	64QAM	50	50	20.65	20.74	20.59	22.00



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20	64QAM	100	0	20.40	20.46	20.42	22.00
20	256QAM	1	0	19.46	19.59	19.39	20.50
20	256QAM	1	49	19.53	19.55	19.45	20.50
20	256QAM	1	99	19.38	19.46	19.38	20.50
20	256QAM	50	0	19.46	19.59	19.43	20.50
20	256QAM	50	24	19.47	19.54	19.43	20.50
20	256QAM	50	50	19.45	19.49	19.32	20.50
20	256QAM	100	0	19.41	19.50	19.37	20.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	20.89	20.88	20.90	22.00
15	QPSK	1	37	20.78	20.91	20.85	22.00
15	QPSK	1	74	20.70	20.82	20.63	22.00
15	QPSK	36	0	20.91	20.83	20.79	22.00
15	QPSK	36	20	20.67	20.87	20.75	22.00
15	QPSK	36	39	20.66	20.77	20.75	22.00
15	QPSK	75	0	20.74	20.87	20.74	22.00
15	16QAM	1	0	20.75	20.81	20.68	22.00
15	16QAM	1	37	20.67	20.64	20.59	22.00
15	16QAM	1	74	20.58	20.71	20.67	22.00
15	16QAM	36	0	20.78	20.77	20.73	22.00
15	16QAM	36	20	20.71	20.76	20.70	22.00
15	16QAM	36	39	20.61	20.77	20.50	22.00
15	16QAM	75	0	20.60	20.64	20.61	22.00
15	64QAM	1	0	20.67	20.81	20.68	22.00
15	64QAM	1	37	20.66	20.76	20.75	22.00
15	64QAM	1	74	20.58	20.77	20.63	22.00
15	64QAM	36	0	20.55	20.67	20.52	22.00
15	64QAM	36	20	20.53	20.61	20.40	22.00
15	64QAM	36	39	20.58	20.65	20.50	22.00
15	64QAM	75	0	20.35	20.39	20.30	22.00
15	256QAM	1	0	19.35	19.45	19.25	20.50
15	256QAM	1	37	19.39	19.47	19.34	20.50
15	256QAM	1	74	19.34	19.43	19.29	20.50
15	256QAM	36	0	19.45	19.53	19.42	20.50
15	256QAM	36	20	19.40	19.48	19.37	20.50
15	256QAM	36	39	19.33	19.37	19.27	20.50
15	256QAM	75	0	19.28	19.43	19.32	20.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	20.97	20.89	21.00	22.00
10	QPSK	1	25	20.74	20.83	20.82	22.00
10	QPSK	1	49	20.68	20.76	20.67	22.00
10	QPSK	25	0	20.86	20.83	20.90	22.00
10	QPSK	25	12	20.71	20.90	20.76	22.00
10	QPSK	25	25	20.66	20.74	20.69	22.00
10	QPSK	50	0	20.77	20.87	20.79	22.00
10	16QAM	1	0	20.79	20.85	20.67	22.00
10	16QAM	1	25	20.67	20.63	20.50	22.00
10	16QAM	1	49	20.53	20.72	20.64	22.00
10	16QAM	25	0	20.72	20.77	20.74	22.00
10	16QAM	25	12	20.60	20.74	20.77	22.00
10	16QAM	25	25	20.55	20.74	20.61	22.00
10	16QAM	50	0	20.54	20.67	20.69	22.00
10	64QAM	1	0	20.73	20.74	20.71	22.00
10	64QAM	1	25	20.73	20.83	20.74	22.00
10	64QAM	1	49	20.68	20.66	20.63	22.00
10	64QAM	25	0	20.55	20.63	20.50	22.00
10	64QAM	25	12	20.51	20.59	20.43	22.00
10	64QAM	25	25	20.58	20.71	20.55	22.00
10	64QAM	50	0	20.29	20.33	20.31	22.00
10	256QAM	1	0	19.40	19.58	19.31	20.50
10	256QAM	1	25	19.45	19.40	19.43	20.50
10	256QAM	1	49	19.29	19.35	19.28	20.50
10	256QAM	25	0	19.34	19.51	19.36	20.50
10	256QAM	25	12	19.41	19.52	19.32	20.50
10	256QAM	25	25	19.33	19.47	19.27	20.50
10	256QAM	50	0	19.30	19.43	19.23	20.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.98	20.93	20.95	22.00
5	QPSK	1	12	20.79	20.90	20.90	22.00
5	QPSK	1	24	20.60	20.78	20.75	22.00
5	QPSK	12	0	20.78	20.92	20.82	22.00
5	QPSK	12	7	20.67	20.79	20.70	22.00
5	QPSK	12	13	20.74	20.82	20.74	22.00
5	QPSK	25	0	20.83	20.86	20.78	22.00
5	16QAM	1	0	20.73	20.83	20.72	22.00



5	16QAM	1	12	20.64	20.73	20.60	22.00
5	16QAM	1	24	20.60	20.69	20.58	22.00
5	16QAM	12	0	20.74	20.85	20.66	22.00
5	16QAM	12	7	20.64	20.72	20.69	22.00
5	16QAM	12	13	20.60	20.72	20.57	22.00
5	16QAM	25	0	20.57	20.71	20.65	22.00
5	64QAM	1	0	20.76	20.73	20.71	22.00
5	64QAM	1	12	20.77	20.82	20.69	22.00
5	64QAM	1	24	20.57	20.72	20.61	22.00
5	64QAM	12	0	20.51	20.56	20.50	22.00
5	64QAM	12	7	20.47	20.64	20.42	22.00
5	64QAM	12	13	20.59	20.61	20.44	22.00
5	64QAM	25	0	20.29	20.38	20.34	22.00
5	256QAM	1	0	19.36	19.54	19.31	20.50
5	256QAM	1	12	19.52	19.46	19.41	20.50
5	256QAM	1	24	19.36	19.33	19.31	20.50
5	256QAM	12	0	19.43	19.58	19.28	20.50
5	256QAM	12	7	19.45	19.40	19.37	20.50
5	256QAM	12	13	19.38	19.42	19.22	20.50
5	256QAM	25	0	19.37	19.37	19.32	20.50

【LTE Band 38_Ant 4_EC15】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.00	21.02	21.01	22.00
20	QPSK	1	49	20.83	20.97	20.94	22.00
20	QPSK	1	99	20.74	20.88	20.77	22.00
20	QPSK	50	0	20.93	20.95	20.91	22.00
20	QPSK	50	24	20.81	20.93	20.84	22.00
20	QPSK	50	50	20.77	20.89	20.82	22.00
20	QPSK	100	0	20.88	20.90	20.89	22.00
20	16QAM	1	0	20.82	20.92	20.76	22.00
20	16QAM	1	49	20.69	20.77	20.64	22.00
20	16QAM	1	99	20.64	20.74	20.70	22.00
20	16QAM	50	0	20.84	20.87	20.76	22.00
20	16QAM	50	24	20.74	20.83	20.80	22.00
20	16QAM	50	50	20.65	20.80	20.65	22.00
20	16QAM	100	0	20.69	20.77	20.72	22.00
20	64QAM	1	0	20.80	20.88	20.79	22.00
20	64QAM	1	49	20.80	20.85	20.81	22.00
20	64QAM	1	99	20.70	20.81	20.72	22.00
20	64QAM	50	0	20.59	20.69	20.59	22.00
20	64QAM	50	24	20.57	20.67	20.52	22.00
20	64QAM	50	50	20.65	20.74	20.59	22.00
20	64QAM	100	0	20.40	20.46	20.42	22.00
20	256QAM	1	0	19.46	19.59	19.39	20.50
20	256QAM	1	49	19.53	19.55	19.45	20.50
20	256QAM	1	99	19.38	19.46	19.38	20.50
20	256QAM	50	0	19.46	19.59	19.43	20.50
20	256QAM	50	24	19.47	19.54	19.43	20.50
20	256QAM	50	50	19.45	19.49	19.32	20.50
20	256QAM	100	0	19.41	19.50	19.37	20.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.89	20.88	20.90	22.00
15	QPSK	1	37	20.78	20.91	20.85	22.00
15	QPSK	1	74	20.70	20.82	20.63	22.00
15	QPSK	36	0	20.91	20.83	20.79	22.00
15	QPSK	36	20	20.67	20.87	20.75	22.00
15	QPSK	36	39	20.66	20.77	20.75	22.00
15	QPSK	75	0	20.74	20.87	20.74	22.00
15	16QAM	1	0	20.75	20.81	20.68	22.00
15	16QAM	1	37	20.67	20.64	20.59	22.00
15	16QAM	1	74	20.58	20.71	20.67	22.00
15	16QAM	36	0	20.78	20.77	20.73	22.00
15	16QAM	36	20	20.71	20.76	20.70	22.00
15	16QAM	36	39	20.61	20.77	20.50	22.00
15	16QAM	75	0	20.60	20.64	20.61	22.00
15	64QAM	1	0	20.67	20.81	20.68	22.00
15	64QAM	1	37	20.66	20.76	20.75	22.00



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15	64QAM	1	74	20.58	20.77	20.63	22.00
15	64QAM	36	0	20.55	20.67	20.52	22.00
15	64QAM	36	20	20.53	20.61	20.40	22.00
15	64QAM	36	39	20.58	20.65	20.50	22.00
15	64QAM	75	0	20.35	20.39	20.30	22.00
15	256QAM	1	0	19.35	19.45	19.25	20.50
15	256QAM	1	37	19.39	19.47	19.34	20.50
15	256QAM	1	74	19.34	19.43	19.29	20.50
15	256QAM	36	0	19.45	19.53	19.42	20.50
15	256QAM	36	20	19.40	19.48	19.37	20.50
15	256QAM	36	39	19.33	19.37	19.27	20.50
15	256QAM	75	0	19.28	19.43	19.32	20.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	20.97	20.89	21.00	22.00
10	QPSK	1	25	20.74	20.83	20.82	22.00
10	QPSK	1	49	20.68	20.76	20.67	22.00
10	QPSK	25	0	20.86	20.83	20.90	22.00
10	QPSK	25	12	20.71	20.90	20.76	22.00
10	QPSK	25	25	20.66	20.74	20.69	22.00
10	QPSK	50	0	20.77	20.87	20.79	22.00
10	16QAM	1	0	20.79	20.85	20.67	22.00
10	16QAM	1	25	20.67	20.63	20.50	22.00
10	16QAM	1	49	20.53	20.72	20.64	22.00
10	16QAM	25	0	20.72	20.77	20.74	22.00
10	16QAM	25	12	20.60	20.74	20.77	22.00
10	16QAM	25	25	20.55	20.74	20.61	22.00
10	16QAM	50	0	20.54	20.67	20.69	22.00
10	64QAM	1	0	20.73	20.74	20.71	22.00
10	64QAM	1	25	20.73	20.83	20.74	22.00
10	64QAM	1	49	20.68	20.66	20.63	22.00
10	64QAM	25	0	20.55	20.63	20.50	22.00
10	64QAM	25	12	20.51	20.59	20.43	22.00
10	64QAM	25	25	20.58	20.71	20.55	22.00
10	64QAM	50	0	20.29	20.33	20.31	22.00
10	256QAM	1	0	19.40	19.58	19.31	20.50
10	256QAM	1	25	19.45	19.40	19.43	20.50
10	256QAM	1	49	19.29	19.35	19.28	20.50
10	256QAM	25	0	19.34	19.51	19.36	20.50
10	256QAM	25	12	19.41	19.52	19.32	20.50
10	256QAM	25	25	19.33	19.47	19.27	20.50
10	256QAM	50	0	19.30	19.43	19.23	20.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.98	20.93	20.95	22.00
5	QPSK	1	12	20.79	20.90	20.90	22.00
5	QPSK	1	24	20.60	20.78	20.75	22.00
5	QPSK	12	0	20.78	20.92	20.82	22.00
5	QPSK	12	7	20.67	20.79	20.70	22.00
5	QPSK	12	13	20.74	20.82	20.74	22.00
5	QPSK	25	0	20.83	20.86	20.78	22.00
5	16QAM	1	0	20.73	20.83	20.72	22.00
5	16QAM	1	12	20.64	20.73	20.60	22.00
5	16QAM	1	24	20.60	20.69	20.58	22.00
5	16QAM	12	0	20.74	20.85	20.66	22.00
5	16QAM	12	7	20.64	20.72	20.69	22.00
5	16QAM	12	13	20.60	20.72	20.57	22.00
5	16QAM	25	0	20.57	20.71	20.65	22.00
5	64QAM	1	0	20.76	20.73	20.71	22.00
5	64QAM	1	12	20.77	20.82	20.69	22.00
5	64QAM	1	24	20.57	20.72	20.61	22.00
5	64QAM	12	0	20.51	20.56	20.50	22.00
5	64QAM	12	7	20.47	20.64	20.42	22.00
5	64QAM	12	13	20.59	20.61	20.44	22.00
5	64QAM	25	0	20.29	20.38	20.34	22.00
5	256QAM	1	0	19.36	19.54	19.31	20.50
5	256QAM	1	12	19.52	19.46	19.41	20.50
5	256QAM	1	24	19.36	19.33	19.31	20.50
5	256QAM	12	0	19.43	19.58	19.28	20.50
5	256QAM	12	7	19.45	19.40	19.37	20.50
5	256QAM	12	13	19.38	19.42	19.22	20.50
5	256QAM	25	0	19.37	19.37	19.32	20.50



【LTE Band 38_Ant 5_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.21	23.27	23.14	24.50
20	QPSK	1	49	23.00	23.07	22.91	24.50
20	QPSK	1	99	22.92	23.06	22.91	24.50
20	QPSK	50	0	22.13	22.26	22.09	23.50
20	QPSK	50	24	22.08	22.23	21.99	23.50
20	QPSK	50	50	22.06	22.25	21.99	23.50
20	QPSK	100	0	22.13	22.26	22.09	23.50
20	16QAM	1	0	22.32	22.44	22.24	23.50
20	16QAM	1	49	22.18	22.31	22.17	23.50
20	16QAM	1	99	22.27	22.35	22.14	23.50
20	16QAM	50	0	21.09	21.27	21.06	22.50
20	16QAM	50	24	21.14	21.21	21.02	22.50
20	16QAM	50	50	21.13	21.25	21.10	22.50
20	16QAM	100	0	21.09	21.29	21.09	22.50
20	64QAM	1	0	20.95	21.05	20.82	22.50
20	64QAM	1	49	20.93	21.02	20.80	22.50
20	64QAM	1	99	20.87	21.04	20.80	22.50
20	64QAM	50	0	20.08	20.28	20.14	21.50
20	64QAM	50	24	20.19	20.27	20.03	21.50
20	64QAM	50	50	20.15	20.28	20.06	21.50
20	64QAM	100	0	20.12	20.25	20.01	21.50
20	256QAM	1	0	18.15	18.34	18.21	19.50
20	256QAM	1	49	18.23	18.30	18.07	19.50
20	256QAM	1	99	18.20	18.29	18.08	19.50
20	256QAM	50	0	18.20	18.29	18.18	19.50
20	256QAM	50	24	18.17	18.31	18.15	19.50
20	256QAM	50	50	18.21	18.27	18.09	19.50
20	256QAM	100	0	18.09	18.24	18.11	19.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.19	23.18	23.12	24.50
15	QPSK	1	37	22.94	22.94	22.81	24.50
15	QPSK	1	74	22.87	22.92	22.88	24.50
15	QPSK	36	0	22.04	22.17	21.95	23.50
15	QPSK	36	20	22.01	22.10	21.97	23.50
15	QPSK	36	39	21.96	22.11	21.94	23.50
15	QPSK	75	0	22.00	22.18	21.96	23.50
15	16QAM	1	0	22.26	22.35	22.16	23.50
15	16QAM	1	37	22.07	22.18	22.13	23.50
15	16QAM	1	74	22.18	22.26	22.07	23.50
15	16QAM	36	0	21.02	21.24	20.99	22.50
15	16QAM	36	20	21.01	21.13	20.97	22.50
15	16QAM	36	39	21.09	21.19	21.01	22.50
15	16QAM	75	0	20.95	21.15	21.01	22.50
15	64QAM	1	0	20.89	20.98	20.77	22.50
15	64QAM	1	37	20.81	20.92	20.69	22.50
15	64QAM	1	74	20.75	21.02	20.75	22.50
15	64QAM	36	0	20.03	20.18	20.01	21.50
15	64QAM	36	20	20.15	20.20	19.96	21.50
15	64QAM	36	39	20.03	20.20	20.03	21.50
15	64QAM	75	0	20.04	20.22	19.98	21.50
15	256QAM	1	0	18.06	18.29	18.07	19.50
15	256QAM	1	37	18.17	18.26	18.02	19.50
15	256QAM	1	74	18.15	18.14	18.01	19.50
15	256QAM	36	0	18.11	18.27	18.08	19.50
15	256QAM	36	20	18.09	18.24	18.05	19.50
15	256QAM	36	39	18.18	18.25	18.06	19.50
15	256QAM	75	0	17.97	18.22	18.01	19.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.18	23.19	23.11	24.50
10	QPSK	1	25	22.96	23.02	22.77	24.50
10	QPSK	1	49	22.79	22.97	22.80	24.50
10	QPSK	25	0	22.06	22.13	22.07	23.50
10	QPSK	25	12	22.02	22.19	21.90	23.50
10	QPSK	25	25	21.98	22.16	21.88	23.50
10	QPSK	50	0	22.08	22.20	22.07	23.50
10	16QAM	1	0	22.20	22.41	22.16	23.50
10	16QAM	1	25	22.06	22.22	22.11	23.50
10	16QAM	1	49	22.15	22.32	22.08	23.50
10	16QAM	25	0	21.06	21.25	20.98	22.50
10	16QAM	25	12	21.10	21.08	20.96	22.50



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10	16QAM	25	25	21.03	21.16	21.02	22.50
10	16QAM	50	0	20.98	21.26	20.96	22.50
10	64QAM	1	0	20.86	21.03	20.69	22.50
10	64QAM	1	25	20.89	21.00	20.75	22.50
10	64QAM	1	49	20.78	21.02	20.72	22.50
10	64QAM	25	0	19.93	20.17	20.12	21.50
10	64QAM	25	12	20.15	20.17	19.99	21.50
10	64QAM	25	25	20.13	20.25	19.99	21.50
10	64QAM	50	0	20.00	20.19	19.95	21.50
10	256QAM	1	0	18.13	18.26	18.11	19.50
10	256QAM	1	25	18.21	18.23	17.95	19.50
10	256QAM	1	49	18.15	18.24	17.98	19.50
10	256QAM	25	0	18.05	18.25	18.09	19.50
10	256QAM	25	12	18.08	18.23	18.07	19.50
10	256QAM	25	25	18.16	18.23	18.06	19.50
10	256QAM	50	0	17.98	18.14	17.98	19.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.15	23.16	23.13	24.50
5	QPSK	1	12	22.90	22.96	22.81	24.50
5	QPSK	1	24	22.84	23.05	22.82	24.50
5	QPSK	12	0	22.02	22.13	22.00	23.50
5	QPSK	12	7	21.93	22.16	21.86	23.50
5	QPSK	12	13	22.04	22.21	21.85	23.50
5	QPSK	25	0	22.09	22.20	21.99	23.50
5	16QAM	1	0	22.24	22.34	22.09	23.50
5	16QAM	1	12	22.17	22.23	22.03	23.50
5	16QAM	1	24	22.15	22.32	22.07	23.50
5	16QAM	12	0	21.06	21.22	20.99	22.50
5	16QAM	12	7	21.02	21.11	20.95	22.50
5	16QAM	12	13	21.01	21.13	20.97	22.50
5	16QAM	25	0	20.99	21.28	21.06	22.50
5	64QAM	1	0	20.81	20.96	20.69	22.50
5	64QAM	1	12	20.88	20.91	20.75	22.50
5	64QAM	1	24	20.73	20.90	20.72	22.50
5	64QAM	12	0	19.97	20.14	20.01	21.50
5	64QAM	12	7	20.09	20.19	20.00	21.50
5	64QAM	12	13	20.08	20.14	19.95	21.50
5	64QAM	25	0	20.10	20.17	19.96	21.50
5	256QAM	1	0	18.06	18.33	18.07	19.50
5	256QAM	1	12	18.09	18.28	17.98	19.50
5	256QAM	1	24	18.18	18.23	17.97	19.50
5	256QAM	12	0	18.15	18.25	18.03	19.50
5	256QAM	12	7	18.13	18.23	18.05	19.50
5	256QAM	12	13	18.17	18.15	18.01	19.50
5	256QAM	25	0	17.94	18.18	17.99	19.50

【LTE Band 38_Ant 5_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.07	19.22	19.13	20.50
20	QPSK	1	49	18.96	19.08	18.98	20.50
20	QPSK	1	99	18.98	19.11	19.00	20.50
20	QPSK	50	0	19.15	19.19	19.18	20.50
20	QPSK	50	24	18.95	19.17	18.95	20.50
20	QPSK	50	50	19.10	19.10	19.14	20.50
20	QPSK	100	0	18.79	19.12	18.92	20.50
20	16QAM	1	0	19.02	19.07	18.91	20.50
20	16QAM	1	49	18.93	18.97	18.93	20.50
20	16QAM	1	99	18.94	19.06	18.92	20.50
20	16QAM	50	0	18.86	18.96	18.94	20.50
20	16QAM	50	24	18.96	19.05	18.98	20.50
20	16QAM	50	50	18.87	19.07	18.88	20.50
20	16QAM	100	0	18.76	18.97	18.82	20.50
20	64QAM	1	0	18.79	19.00	18.82	20.50
20	64QAM	1	49	18.83	18.95	18.91	20.50
20	64QAM	1	99	18.71	18.89	18.96	20.50
20	64QAM	50	0	18.95	19.12	18.97	20.50
20	64QAM	50	24	18.99	19.06	19.05	20.50
20	64QAM	50	50	18.78	18.88	18.70	20.50



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20	64QAM	100	0	18.68	18.91	18.81	20.50
20	256QAM	1	0	18.09	18.16	17.97	19.50
20	256QAM	1	49	17.88	18.12	17.92	19.50
20	256QAM	1	99	18.03	18.08	17.98	19.50
20	256QAM	50	0	17.91	18.11	17.91	19.50
20	256QAM	50	24	17.88	18.18	18.01	19.50
20	256QAM	50	50	17.93	18.13	17.89	19.50
20	256QAM	100	0	17.16	17.19	17.04	19.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.94	19.18	18.99	20.50
15	QPSK	1	37	18.89	18.98	18.87	20.50
15	QPSK	1	74	18.94	19.02	18.92	20.50
15	QPSK	36	0	19.13	19.15	19.16	20.50
15	QPSK	36	20	18.84	19.02	18.81	20.50
15	QPSK	36	39	19.01	18.95	19.00	20.50
15	QPSK	75	0	18.68	19.06	18.79	20.50
15	16QAM	1	0	18.91	18.96	18.84	20.50
15	16QAM	1	37	18.90	18.84	18.89	20.50
15	16QAM	1	74	18.87	19.00	18.85	20.50
15	16QAM	36	0	18.83	18.83	18.89	20.50
15	16QAM	36	20	18.88	18.93	18.86	20.50
15	16QAM	36	39	18.81	19.01	18.80	20.50
15	16QAM	75	0	18.73	18.90	18.73	20.50
15	64QAM	1	0	18.76	18.98	18.71	20.50
15	64QAM	1	37	18.74	18.88	18.78	20.50
15	64QAM	1	74	18.69	18.75	18.83	20.50
15	64QAM	36	0	18.83	19.02	18.93	20.50
15	64QAM	36	20	18.93	18.94	18.96	20.50
15	64QAM	36	39	18.67	18.73	18.66	20.50
15	64QAM	75	0	18.54	18.82	18.74	20.50
15	256QAM	1	0	18.04	18.10	17.82	19.50
15	256QAM	1	37	17.80	18.01	17.86	19.50
15	256QAM	1	74	18.00	17.99	17.88	19.50
15	256QAM	36	0	17.87	18.09	17.76	19.50
15	256QAM	36	20	17.86	18.07	17.93	19.50
15	256QAM	36	39	17.88	18.03	17.87	19.50
15	256QAM	75	0	17.11	17.17	16.96	19.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.04	19.15	19.10	20.50
10	QPSK	1	25	18.82	18.96	18.85	20.50
10	QPSK	1	49	18.90	19.00	18.90	20.50
10	QPSK	25	0	19.13	19.09	19.13	20.50
10	QPSK	25	12	18.80	19.07	18.93	20.50
10	QPSK	25	25	19.05	19.07	19.05	20.50
10	QPSK	50	0	18.68	19.04	18.81	20.50
10	16QAM	1	0	19.00	19.03	18.81	20.50
10	16QAM	1	25	18.78	18.93	18.80	20.50
10	16QAM	1	49	18.82	18.98	18.89	20.50
10	16QAM	25	0	18.79	18.85	18.90	20.50
10	16QAM	25	12	18.92	18.95	18.96	20.50
10	16QAM	25	25	18.82	19.04	18.81	20.50
10	16QAM	50	0	18.65	18.89	18.71	20.50
10	64QAM	1	0	18.67	18.93	18.70	20.50
10	64QAM	1	25	18.70	18.89	18.87	20.50
10	64QAM	1	49	18.66	18.80	18.91	20.50
10	64QAM	25	0	18.92	18.98	18.88	20.50
10	64QAM	25	12	18.96	19.03	18.92	20.50
10	64QAM	25	25	18.64	18.81	18.66	20.50
10	64QAM	50	0	18.58	18.81	18.77	20.50
10	256QAM	1	0	18.07	18.06	17.86	19.50
10	256QAM	1	25	17.81	18.02	17.83	19.50
10	256QAM	1	49	18.00	18.06	17.96	19.50
10	256QAM	25	0	17.85	18.08	17.82	19.50
10	256QAM	25	12	17.85	18.13	17.94	19.50
10	256QAM	25	25	17.83	17.99	17.82	19.50
10	256QAM	50	0	17.09	17.15	17.02	19.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.02	19.08	19.09	20.50
5	QPSK	1	12	18.87	18.95	18.95	20.50
5	QPSK	1	24	18.96	19.06	18.90	20.50
5	QPSK	12	0	19.08	19.13	19.12	20.50
5	QPSK	12	7	18.81	19.12	18.83	20.50
5	QPSK	12	13	19.01	19.00	19.08	20.50
5	QPSK	25	0	18.76	19.05	18.90	20.50
5	16QAM	1	0	18.96	18.93	18.83	20.50



5	16QAM	1	12	18.80	18.84	18.86	20.50
5	16QAM	1	24	18.81	19.03	18.82	20.50
5	16QAM	12	0	18.80	18.83	18.92	20.50
5	16QAM	12	7	18.92	19.01	18.93	20.50
5	16QAM	12	13	18.79	18.98	18.86	20.50
5	16QAM	25	0	18.62	18.95	18.77	20.50
5	64QAM	1	0	18.71	18.92	18.79	20.50
5	64QAM	1	12	18.75	18.85	18.80	20.50
5	64QAM	1	24	18.63	18.75	18.91	20.50
5	64QAM	12	0	18.93	19.10	18.96	20.50
5	64QAM	12	7	18.95	19.04	19.02	20.50
5	64QAM	12	13	18.67	18.79	18.64	20.50
5	64QAM	25	0	18.55	18.78	18.70	20.50
5	256QAM	1	0	18.02	18.09	17.90	19.50
5	256QAM	1	12	17.75	18.07	17.82	19.50
5	256QAM	1	24	18.01	18.06	17.89	19.50
5	256QAM	12	0	17.87	18.01	17.79	19.50
5	256QAM	12	7	17.80	18.14	17.97	19.50
5	256QAM	12	13	17.89	18.11	17.75	19.50
5	256QAM	25	0	17.08	17.14	17.00	19.50

【LTE Band 38_Ant 5_EC13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.88	20.89	20.86	22.00
20	QPSK	1	49	20.64	20.76	20.58	22.00
20	QPSK	1	99	20.82	20.85	20.70	22.00
20	QPSK	50	0	20.80	20.86	20.81	22.00
20	QPSK	50	24	20.70	20.79	20.67	22.00
20	QPSK	50	50	20.63	20.79	20.65	22.00
20	QPSK	100	0	20.79	20.81	20.80	22.00
20	16QAM	1	0	20.63	20.68	20.62	22.00
20	16QAM	1	49	20.55	20.68	20.57	22.00
20	16QAM	1	99	20.73	20.82	20.68	22.00
20	16QAM	50	0	20.65	20.72	20.66	22.00
20	16QAM	50	24	20.72	20.80	20.71	22.00
20	16QAM	50	50	20.64	20.70	20.63	22.00
20	16QAM	100	0	20.70	20.78	20.71	22.00
20	64QAM	1	0	20.66	20.79	20.68	22.00
20	64QAM	1	49	20.56	20.71	20.53	22.00
20	64QAM	1	99	20.67	20.80	20.71	22.00
20	64QAM	50	0	20.08	20.28	20.14	21.50
20	64QAM	50	24	20.19	20.27	20.03	21.50
20	64QAM	50	50	20.15	20.28	20.06	21.50
20	64QAM	100	0	20.12	20.25	20.01	21.50
20	256QAM	1	0	18.15	18.34	18.21	19.50
20	256QAM	1	49	18.23	18.30	18.07	19.50
20	256QAM	1	99	18.20	18.29	18.08	19.50
20	256QAM	50	0	18.20	18.29	18.18	19.50
20	256QAM	50	24	18.17	18.31	18.15	19.50
20	256QAM	50	50	18.21	18.27	18.09	19.50
20	256QAM	100	0	18.09	18.24	18.11	19.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.77	20.82	20.84	22.00
15	QPSK	1	37	20.49	20.65	20.46	22.00
15	QPSK	1	74	20.73	20.70	20.60	22.00
15	QPSK	36	0	20.67	20.73	20.75	22.00
15	QPSK	36	20	20.65	20.73	20.63	22.00
15	QPSK	36	39	20.60	20.70	20.57	22.00
15	QPSK	75	0	20.74	20.75	20.77	22.00
15	16QAM	1	0	20.59	20.54	20.50	22.00
15	16QAM	1	37	20.50	20.61	20.54	22.00
15	16QAM	1	74	20.67	20.68	20.66	22.00
15	16QAM	36	0	20.63	20.69	20.64	22.00
15	16QAM	36	20	20.62	20.66	20.61	22.00
15	16QAM	36	39	20.53	20.65	20.48	22.00
15	16QAM	75	0	20.63	20.70	20.57	22.00
15	64QAM	1	0	20.61	20.71	20.61	22.00
15	64QAM	1	37	20.43	20.62	20.49	22.00



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15	64QAM	1	74	20.59	20.77	20.60	22.00
15	64QAM	36	0	19.94	20.23	20.10	21.50
15	64QAM	36	20	20.07	20.22	20.01	21.50
15	64QAM	36	39	20.11	20.14	20.02	21.50
15	64QAM	75	0	19.99	20.13	19.89	21.50
15	256QAM	1	0	18.09	18.21	18.14	19.50
15	256QAM	1	37	18.09	18.23	18.03	19.50
15	256QAM	1	74	18.18	18.28	17.99	19.50
15	256QAM	36	0	18.08	18.16	18.14	19.50
15	256QAM	36	20	18.08	18.27	18.06	19.50
15	256QAM	36	39	18.09	18.24	17.95	19.50
15	256QAM	75	0	18.07	18.13	18.02	19.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	20.77	20.87	20.73	22.00
10	QPSK	1	25	20.53	20.75	20.53	22.00
10	QPSK	1	49	20.76	20.78	20.57	22.00
10	QPSK	25	0	20.76	20.81	20.77	22.00
10	QPSK	25	12	20.63	20.77	20.62	22.00
10	QPSK	25	25	20.59	20.75	20.51	22.00
10	QPSK	50	0	20.68	20.78	20.69	22.00
10	16QAM	1	0	20.59	20.66	20.52	22.00
10	16QAM	1	25	20.53	20.59	20.54	22.00
10	16QAM	1	49	20.60	20.79	20.63	22.00
10	16QAM	25	0	20.54	20.65	20.64	22.00
10	16QAM	25	12	20.64	20.74	20.64	22.00
10	16QAM	25	25	20.60	20.57	20.50	22.00
10	16QAM	50	0	20.59	20.66	20.63	22.00
10	64QAM	1	0	20.58	20.69	20.67	22.00
10	64QAM	1	25	20.45	20.65	20.51	22.00
10	64QAM	1	49	20.60	20.77	20.59	22.00
10	64QAM	25	0	19.95	20.27	19.99	21.50
10	64QAM	25	12	20.14	20.25	19.94	21.50
10	64QAM	25	25	20.05	20.15	19.93	21.50
10	64QAM	50	0	20.04	20.18	19.96	21.50
10	256QAM	1	0	18.05	18.25	18.18	19.50
10	256QAM	1	25	18.13	18.17	17.97	19.50
10	256QAM	1	49	18.19	18.21	18.00	19.50
10	256QAM	25	0	18.18	18.25	18.03	19.50
10	256QAM	25	12	18.03	18.30	18.13	19.50
10	256QAM	25	25	18.12	18.21	18.04	19.50
10	256QAM	50	0	17.98	18.11	18.03	19.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.77	20.75	20.73	22.00
5	QPSK	1	12	20.50	20.68	20.50	22.00
5	QPSK	1	24	20.67	20.73	20.61	22.00
5	QPSK	12	0	20.66	20.79	20.76	22.00
5	QPSK	12	7	20.57	20.66	20.60	22.00
5	QPSK	12	13	20.59	20.77	20.51	22.00
5	QPSK	25	0	20.75	20.77	20.71	22.00
5	16QAM	1	0	20.57	20.53	20.49	22.00
5	16QAM	1	12	20.42	20.57	20.47	22.00
5	16QAM	1	24	20.60	20.73	20.60	22.00
5	16QAM	12	0	20.62	20.63	20.58	22.00
5	16QAM	12	7	20.57	20.71	20.65	22.00
5	16QAM	12	13	20.58	20.65	20.56	22.00
5	16QAM	25	0	20.59	20.70	20.63	22.00
5	64QAM	1	0	20.57	20.73	20.66	22.00
5	64QAM	1	12	20.43	20.61	20.44	22.00
5	64QAM	1	24	20.55	20.76	20.67	22.00
5	64QAM	12	0	20.04	20.20	20.08	21.50
5	64QAM	12	7	20.12	20.26	19.88	21.50
5	64QAM	12	13	20.01	20.18	19.92	21.50
5	64QAM	25	0	20.01	20.13	19.95	21.50
5	256QAM	1	0	18.08	18.28	18.16	19.50
5	256QAM	1	12	18.21	18.24	17.94	19.50
5	256QAM	1	24	18.13	18.22	17.98	19.50
5	256QAM	12	0	18.07	18.16	18.03	19.50
5	256QAM	12	7	18.07	18.19	18.06	19.50
5	256QAM	12	13	18.12	18.24	17.95	19.50
5	256QAM	25	0	17.94	18.11	18.03	19.50

**【LTE Band 38_Ant 5_ECI4】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.88	20.89	20.86	22.00
20	QPSK	1	49	20.64	20.76	20.58	22.00
20	QPSK	1	99	20.82	20.85	20.70	22.00
20	QPSK	50	0	20.80	20.86	20.81	22.00
20	QPSK	50	24	20.70	20.79	20.67	22.00
20	QPSK	50	50	20.63	20.79	20.65	22.00
20	QPSK	100	0	20.79	20.81	20.80	22.00
20	16QAM	1	0	20.63	20.68	20.62	22.00
20	16QAM	1	49	20.55	20.68	20.57	22.00
20	16QAM	1	99	20.73	20.82	20.68	22.00
20	16QAM	50	0	20.65	20.72	20.66	22.00
20	16QAM	50	24	20.72	20.80	20.71	22.00
20	16QAM	50	50	20.64	20.70	20.63	22.00
20	16QAM	100	0	20.70	20.78	20.71	22.00
20	64QAM	1	0	20.66	20.79	20.68	22.00
20	64QAM	1	49	20.56	20.71	20.53	22.00
20	64QAM	1	99	20.67	20.80	20.71	22.00
20	64QAM	50	0	20.08	20.28	20.14	21.50
20	64QAM	50	24	20.19	20.27	20.03	21.50
20	64QAM	50	50	20.15	20.28	20.06	21.50
20	64QAM	100	0	20.12	20.25	20.01	21.50
20	256QAM	1	0	18.15	18.34	18.21	19.50
20	256QAM	1	49	18.23	18.30	18.07	19.50
20	256QAM	1	99	18.20	18.29	18.08	19.50
20	256QAM	50	0	18.20	18.29	18.18	19.50
20	256QAM	50	24	18.17	18.31	18.15	19.50
20	256QAM	50	50	18.21	18.27	18.09	19.50
20	256QAM	100	0	18.09	18.24	18.11	19.50
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.77	20.82	20.84	22.00
15	QPSK	1	37	20.49	20.65	20.46	22.00
15	QPSK	1	74	20.73	20.70	20.60	22.00
15	QPSK	36	0	20.67	20.73	20.75	22.00
15	QPSK	36	20	20.65	20.73	20.63	22.00
15	QPSK	36	39	20.60	20.70	20.57	22.00
15	QPSK	75	0	20.74	20.75	20.77	22.00
15	16QAM	1	0	20.59	20.54	20.50	22.00
15	16QAM	1	37	20.50	20.61	20.54	22.00
15	16QAM	1	74	20.67	20.68	20.66	22.00
15	16QAM	36	0	20.63	20.69	20.64	22.00
15	16QAM	36	20	20.62	20.66	20.61	22.00
15	16QAM	36	39	20.53	20.65	20.48	22.00
15	16QAM	75	0	20.63	20.70	20.57	22.00
15	64QAM	1	0	20.61	20.71	20.61	22.00
15	64QAM	1	37	20.43	20.62	20.49	22.00
15	64QAM	1	74	20.59	20.77	20.60	22.00
15	64QAM	36	0	19.94	20.23	20.10	21.50
15	64QAM	36	20	20.07	20.22	20.01	21.50
15	64QAM	36	39	20.11	20.14	20.02	21.50
15	64QAM	75	0	19.99	20.13	19.89	21.50
15	256QAM	1	0	18.09	18.21	18.14	19.50
15	256QAM	1	37	18.09	18.23	18.03	19.50
15	256QAM	1	74	18.18	18.28	17.99	19.50
15	256QAM	36	0	18.08	18.16	18.14	19.50
15	256QAM	36	20	18.08	18.27	18.06	19.50
15	256QAM	36	39	18.09	18.24	17.95	19.50
15	256QAM	75	0	18.07	18.13	18.02	19.50
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.77	20.87	20.73	22.00
10	QPSK	1	25	20.53	20.75	20.53	22.00
10	QPSK	1	49	20.76	20.78	20.57	22.00
10	QPSK	25	0	20.76	20.81	20.77	22.00
10	QPSK	25	12	20.63	20.77	20.62	22.00
10	QPSK	25	25	20.59	20.75	20.51	22.00
10	QPSK	50	0	20.68	20.78	20.69	22.00
10	16QAM	1	0	20.59	20.66	20.52	22.00
10	16QAM	1	25	20.53	20.59	20.54	22.00
10	16QAM	1	49	20.60	20.79	20.63	22.00
10	16QAM	25	0	20.54	20.65	20.64	22.00
10	16QAM	25	12	20.64	20.74	20.64	22.00



10	16QAM	25	25	20.60	20.57	20.50	22.00
10	16QAM	50	0	20.59	20.66	20.63	22.00
10	64QAM	1	0	20.58	20.69	20.67	22.00
10	64QAM	1	25	20.45	20.65	20.51	22.00
10	64QAM	1	49	20.60	20.77	20.59	22.00
10	64QAM	25	0	19.95	20.27	19.99	21.50
10	64QAM	25	12	20.14	20.25	19.94	21.50
10	64QAM	25	25	20.05	20.15	19.93	21.50
10	64QAM	50	0	20.04	20.18	19.96	21.50
10	256QAM	1	0	18.05	18.25	18.18	19.50
10	256QAM	1	25	18.13	18.17	17.97	19.50
10	256QAM	1	49	18.19	18.21	18.00	19.50
10	256QAM	25	0	18.18	18.25	18.03	19.50
10	256QAM	25	12	18.03	18.30	18.13	19.50
10	256QAM	25	25	18.12	18.21	18.04	19.50
10	256QAM	50	0	17.98	18.11	18.03	19.50
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.77	20.75	20.73	22.00
5	QPSK	1	12	20.50	20.68	20.50	22.00
5	QPSK	1	24	20.67	20.73	20.61	22.00
5	QPSK	12	0	20.66	20.79	20.76	22.00
5	QPSK	12	7	20.57	20.66	20.60	22.00
5	QPSK	12	13	20.59	20.77	20.51	22.00
5	QPSK	25	0	20.75	20.77	20.71	22.00
5	16QAM	1	0	20.57	20.53	20.49	22.00
5	16QAM	1	12	20.42	20.57	20.47	22.00
5	16QAM	1	24	20.60	20.73	20.60	22.00
5	16QAM	12	0	20.62	20.63	20.58	22.00
5	16QAM	12	7	20.57	20.71	20.65	22.00
5	16QAM	12	13	20.58	20.65	20.56	22.00
5	16QAM	25	0	20.59	20.70	20.63	22.00
5	64QAM	1	0	20.57	20.73	20.66	22.00
5	64QAM	1	12	20.43	20.61	20.44	22.00
5	64QAM	1	24	20.55	20.76	20.67	22.00
5	64QAM	12	0	20.04	20.20	20.08	21.50
5	64QAM	12	7	20.12	20.26	19.88	21.50
5	64QAM	12	13	20.01	20.18	19.92	21.50
5	64QAM	25	0	20.01	20.13	19.95	21.50
5	256QAM	1	0	18.08	18.28	18.16	19.50
5	256QAM	1	12	18.21	18.24	17.94	19.50
5	256QAM	1	24	18.13	18.22	17.98	19.50
5	256QAM	12	0	18.07	18.16	18.03	19.50
5	256QAM	12	7	18.07	18.19	18.06	19.50
5	256QAM	12	13	18.12	18.24	17.95	19.50
5	256QAM	25	0	17.94	18.11	18.03	19.50

【LTE Band 38_Ant 5_EC15】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.07	19.22	19.13	20.50
20	QPSK	1	49	18.96	19.08	18.98	20.50
20	QPSK	1	99	18.98	19.11	19.00	20.50
20	QPSK	50	0	19.15	19.19	19.18	20.50
20	QPSK	50	24	18.95	19.17	18.95	20.50
20	QPSK	50	50	19.10	19.10	19.14	20.50
20	QPSK	100	0	18.79	19.12	18.92	20.50
20	16QAM	1	0	19.02	19.07	18.91	20.50
20	16QAM	1	49	18.93	18.97	18.93	20.50
20	16QAM	1	99	18.94	19.06	18.92	20.50
20	16QAM	50	0	18.86	18.96	18.94	20.50
20	16QAM	50	24	18.96	19.05	18.98	20.50
20	16QAM	50	50	18.87	19.07	18.88	20.50
20	16QAM	100	0	18.76	18.97	18.82	20.50
20	64QAM	1	0	18.79	19.00	18.82	20.50
20	64QAM	1	49	18.83	18.95	18.91	20.50
20	64QAM	1	99	18.71	18.89	18.96	20.50
20	64QAM	50	0	18.95	19.12	18.97	20.50
20	64QAM	50	24	18.99	19.06	19.05	20.50
20	64QAM	50	50	18.78	18.88	18.70	20.50



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20	64QAM	100	0	18.68	18.91	18.81	20.50
20	256QAM	1	0	18.09	18.16	17.97	19.50
20	256QAM	1	49	17.88	18.12	17.92	19.50
20	256QAM	1	99	18.03	18.08	17.98	19.50
20	256QAM	50	0	17.91	18.11	17.91	19.50
20	256QAM	50	24	17.88	18.18	18.01	19.50
20	256QAM	50	50	17.93	18.13	17.89	19.50
20	256QAM	100	0	17.16	17.19	17.04	19.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.94	19.18	18.99	20.50
15	QPSK	1	37	18.89	18.98	18.87	20.50
15	QPSK	1	74	18.94	19.02	18.92	20.50
15	QPSK	36	0	19.13	19.15	19.16	20.50
15	QPSK	36	20	18.84	19.02	18.81	20.50
15	QPSK	36	39	19.01	18.95	19.00	20.50
15	QPSK	75	0	18.68	19.06	18.79	20.50
15	16QAM	1	0	18.91	18.96	18.84	20.50
15	16QAM	1	37	18.90	18.84	18.89	20.50
15	16QAM	1	74	18.87	19.00	18.85	20.50
15	16QAM	36	0	18.83	18.83	18.89	20.50
15	16QAM	36	20	18.88	18.93	18.86	20.50
15	16QAM	36	39	18.81	19.01	18.80	20.50
15	16QAM	75	0	18.73	18.90	18.73	20.50
15	64QAM	1	0	18.76	18.98	18.71	20.50
15	64QAM	1	37	18.74	18.88	18.78	20.50
15	64QAM	1	74	18.69	18.75	18.83	20.50
15	64QAM	36	0	18.83	19.02	18.93	20.50
15	64QAM	36	20	18.93	18.94	18.96	20.50
15	64QAM	36	39	18.67	18.73	18.66	20.50
15	64QAM	75	0	18.54	18.82	18.74	20.50
15	256QAM	1	0	18.04	18.10	17.82	19.50
15	256QAM	1	37	17.80	18.01	17.86	19.50
15	256QAM	1	74	18.00	17.99	17.88	19.50
15	256QAM	36	0	17.87	18.09	17.76	19.50
15	256QAM	36	20	17.86	18.07	17.93	19.50
15	256QAM	36	39	17.88	18.03	17.87	19.50
15	256QAM	75	0	17.11	17.17	16.96	19.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.04	19.15	19.10	20.50
10	QPSK	1	25	18.82	18.96	18.85	20.50
10	QPSK	1	49	18.90	19.00	18.90	20.50
10	QPSK	25	0	19.13	19.09	19.13	20.50
10	QPSK	25	12	18.80	19.07	18.93	20.50
10	QPSK	25	25	19.05	19.07	19.05	20.50
10	QPSK	50	0	18.68	19.04	18.81	20.50
10	16QAM	1	0	19.00	19.03	18.81	20.50
10	16QAM	1	25	18.78	18.93	18.80	20.50
10	16QAM	1	49	18.82	18.98	18.89	20.50
10	16QAM	25	0	18.79	18.85	18.90	20.50
10	16QAM	25	12	18.92	18.95	18.96	20.50
10	16QAM	25	25	18.82	19.04	18.81	20.50
10	16QAM	50	0	18.65	18.89	18.71	20.50
10	64QAM	1	0	18.67	18.93	18.70	20.50
10	64QAM	1	25	18.70	18.89	18.87	20.50
10	64QAM	1	49	18.66	18.80	18.91	20.50
10	64QAM	25	0	18.92	18.98	18.88	20.50
10	64QAM	25	12	18.96	19.03	18.92	20.50
10	64QAM	25	25	18.64	18.81	18.66	20.50
10	64QAM	50	0	18.58	18.81	18.77	20.50
10	256QAM	1	0	18.07	18.06	17.86	19.50
10	256QAM	1	25	17.81	18.02	17.83	19.50
10	256QAM	1	49	18.00	18.06	17.96	19.50
10	256QAM	25	0	17.85	18.08	17.82	19.50
10	256QAM	25	12	17.85	18.13	17.94	19.50
10	256QAM	25	25	17.83	17.99	17.82	19.50
10	256QAM	50	0	17.09	17.15	17.02	19.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.02	19.08	19.09	20.50
5	QPSK	1	12	18.87	18.95	18.95	20.50
5	QPSK	1	24	18.96	19.06	18.90	20.50
5	QPSK	12	0	19.08	19.13	19.12	20.50
5	QPSK	12	7	18.81	19.12	18.83	20.50
5	QPSK	12	13	19.01	19.00	19.08	20.50
5	QPSK	25	0	18.76	19.05	18.90	20.50
5	16QAM	1	0	18.96	18.93	18.83	20.50



5	16QAM	1	12	18.80	18.84	18.86	20.50
5	16QAM	1	24	18.81	19.03	18.82	20.50
5	16QAM	12	0	18.80	18.83	18.92	20.50
5	16QAM	12	7	18.92	19.01	18.93	20.50
5	16QAM	12	13	18.79	18.98	18.86	20.50
5	16QAM	25	0	18.62	18.95	18.77	20.50
5	64QAM	1	0	18.71	18.92	18.79	20.50
5	64QAM	1	12	18.75	18.85	18.80	20.50
5	64QAM	1	24	18.63	18.75	18.91	20.50
5	64QAM	12	0	18.93	19.10	18.96	20.50
5	64QAM	12	7	18.95	19.04	19.02	20.50
5	64QAM	12	13	18.67	18.79	18.64	20.50
5	64QAM	25	0	18.55	18.78	18.70	20.50
5	256QAM	1	0	18.02	18.09	17.90	19.50
5	256QAM	1	12	17.75	18.07	17.82	19.50
5	256QAM	1	24	18.01	18.06	17.89	19.50
5	256QAM	12	0	17.87	18.01	17.79	19.50
5	256QAM	12	7	17.80	18.14	17.97	19.50
5	256QAM	12	13	17.89	18.11	17.75	19.50
5	256QAM	25	0	17.08	17.14	17.00	19.50

【LTE Band 41_FCC (2496~2690MHz)_Ant 2_Default】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.16	25.10	25.23	25.20	25.21	25.70
20	QPSK	1	49	25.05	24.93	25.16	25.01	25.00	25.70
20	QPSK	1	99	24.97	25.00	25.16	25.03	25.06	25.70
20	QPSK	50	0	24.29	24.17	24.37	24.27	24.32	24.70
20	QPSK	50	24	24.11	24.11	24.32	24.24	24.16	24.70
20	QPSK	50	50	24.19	24.14	24.32	24.16	24.22	24.70
20	QPSK	100	0	23.32	23.31	23.36	23.31	23.30	23.70
20	16QAM	1	0	24.31	24.25	24.48	24.33	24.43	24.70
20	16QAM	1	49	24.24	24.21	24.38	24.25	24.31	24.70
20	16QAM	1	99	24.27	24.25	24.41	24.32	24.30	24.70
20	16QAM	50	0	23.21	23.15	23.40	23.23	23.36	23.70
20	16QAM	50	24	23.22	23.09	23.34	23.22	23.25	23.70
20	16QAM	50	50	23.16	23.17	23.35	23.26	23.31	23.70
20	16QAM	100	0	22.31	22.31	22.39	22.30	22.30	22.70
20	64QAM	1	0	23.11	22.92	23.19	23.07	23.11	23.70
20	64QAM	1	49	22.99	22.91	23.14	23.05	23.04	23.70
20	64QAM	1	99	23.04	22.89	23.13	23.00	23.01	23.70
20	64QAM	50	0	22.28	22.19	22.41	22.25	22.26	22.70
20	64QAM	50	24	22.17	22.23	22.38	22.28	22.29	22.70
20	64QAM	50	50	22.20	22.20	22.38	22.25	22.31	22.70
20	64QAM	100	0	21.30	21.30	21.36	21.32	21.31	21.70
20	256QAM	1	0	20.35	20.28	20.45	20.38	20.31	20.70
20	256QAM	1	49	20.21	20.20	20.39	20.31	20.27	20.70
20	256QAM	1	99	20.21	20.25	20.38	20.34	20.30	20.70
20	256QAM	50	0	20.22	20.26	20.42	20.31	20.38	20.70
20	256QAM	50	24	20.33	20.26	20.40	20.33	20.32	20.70
20	256QAM	50	50	20.25	20.26	20.39	20.28	20.29	20.70
20	256QAM	100	0	19.30	19.31	19.35	19.30	19.30	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.12	24.96	25.12	25.17	25.11	25.70
15	QPSK	1	37	24.99	24.78	25.12	24.92	24.86	25.70
15	QPSK	1	74	24.89	24.90	25.02	24.98	25.04	25.70
15	QPSK	36	0	24.18	24.12	24.32	24.12	24.23	24.70
15	QPSK	36	20	24.07	24.07	24.25	24.19	24.11	24.70
15	QPSK	36	39	24.13	24.00	24.18	24.14	24.13	24.70
15	QPSK	75	0	23.30	23.30	23.33	23.31	23.30	23.70
15	16QAM	1	0	24.19	24.16	24.45	24.18	24.38	24.70
15	16QAM	1	37	24.12	24.14	24.36	24.14	24.18	24.70
15	16QAM	1	74	24.22	24.18	24.35	24.23	24.24	24.70
15	16QAM	36	0	23.08	23.01	23.28	23.10	23.22	23.70
15	16QAM	36	20	23.18	23.02	23.20	23.17	23.20	23.70
15	16QAM	36	39	23.13	23.08	23.32	23.24	23.29	23.70
15	16QAM	75	0	22.31	22.31	22.30	22.31	22.30	22.70
15	64QAM	1	0	23.07	22.88	23.13	23.01	23.00	23.70



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15	64QAM	1	37	22.86	22.89	23.11	22.93	22.93	23.70
15	64QAM	1	74	22.99	22.85	23.04	22.96	22.91	23.70
15	64QAM	36	0	22.22	22.04	22.31	22.18	22.13	22.70
15	64QAM	36	20	22.06	22.08	22.31	22.20	22.28	22.70
15	64QAM	36	39	22.05	22.19	22.28	22.18	22.24	22.70
15	64QAM	75	0	21.30	21.31	21.32	21.31	21.31	21.70
15	256QAM	1	0	20.32	20.18	20.42	20.31	20.23	20.70
15	256QAM	1	37	20.08	20.13	20.25	20.20	20.20	20.70
15	256QAM	1	74	20.11	20.16	20.25	20.30	20.17	20.70
15	256QAM	36	0	20.09	20.13	20.40	20.16	20.25	20.70
15	256QAM	36	20	20.20	20.19	20.30	20.19	20.24	20.70
15	256QAM	36	39	20.13	20.21	20.26	20.14	20.24	20.70
15	256QAM	75	0	19.30	19.30	19.31	19.31	19.30	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.07	25.00	25.14	25.09	25.19	25.70
10	QPSK	1	25	25.02	24.83	25.06	24.88	24.87	25.70
10	QPSK	1	49	24.86	24.95	25.09	24.93	25.00	25.70
10	QPSK	25	0	24.16	24.03	24.26	24.07	24.23	24.70
10	QPSK	25	12	24.06	24.05	24.25	24.17	24.09	24.70
10	QPSK	25	25	24.12	24.02	24.24	24.04	24.13	24.70
10	QPSK	50	0	23.31	23.31	23.30	23.31	23.31	23.70
10	16QAM	1	0	24.28	24.19	24.42	24.21	24.40	24.70
10	16QAM	1	25	24.16	24.20	24.25	24.16	24.21	24.70
10	16QAM	1	49	24.22	24.20	24.32	24.24	24.20	24.70
10	16QAM	25	0	23.19	23.00	23.39	23.21	23.28	23.70
10	16QAM	25	12	23.11	22.99	23.20	23.10	23.10	23.70
10	16QAM	25	25	23.07	23.07	23.28	23.25	23.29	23.70
10	16QAM	50	0	22.30	22.30	22.31	22.31	22.32	22.70
10	64QAM	1	0	23.01	22.80	23.16	22.95	23.01	23.70
10	64QAM	1	25	22.93	22.79	23.11	22.95	22.99	23.70
10	64QAM	1	49	22.99	22.76	23.02	22.91	22.97	23.70
10	64QAM	25	0	22.26	22.08	22.26	22.21	22.21	22.70
10	64QAM	25	12	22.06	22.14	22.31	22.17	22.20	22.70
10	64QAM	25	25	22.07	22.17	22.34	22.21	22.25	22.70
10	64QAM	50	0	21.31	21.31	21.30	21.31	21.30	21.70
10	256QAM	1	0	20.29	20.14	20.38	20.33	20.20	20.70
10	256QAM	1	25	20.20	20.05	20.35	20.24	20.17	20.70
10	256QAM	1	49	20.15	20.24	20.35	20.24	20.25	20.70
10	256QAM	25	0	20.13	20.22	20.31	20.29	20.31	20.70
10	256QAM	25	12	20.28	20.17	20.36	20.20	20.22	20.70
10	256QAM	25	25	20.11	20.22	20.25	20.21	20.17	20.70
10	256QAM	50	0	19.30	19.30	19.31	19.31	19.30	19.70
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	25.07	24.97	25.20	25.09	25.20	25.70
5	QPSK	1	12	24.97	24.87	25.11	25.00	24.98	25.70
5	QPSK	1	24	24.92	24.85	25.11	24.94	24.99	25.70
5	QPSK	12	0	24.18	24.03	24.34	24.14	24.25	24.70
5	QPSK	12	7	24.09	23.99	24.29	24.11	24.06	24.70
5	QPSK	12	13	24.16	24.11	24.29	24.04	24.08	24.70
5	QPSK	25	0	23.30	23.30	23.31	23.30	23.31	23.70
5	16QAM	1	0	24.23	24.12	24.34	24.20	24.40	24.70
5	16QAM	1	12	24.22	24.14	24.25	24.24	24.23	24.70
5	16QAM	1	24	24.24	24.16	24.38	24.21	24.28	24.70
5	16QAM	12	0	23.19	23.04	23.38	23.16	23.23	23.70
5	16QAM	12	7	23.10	22.96	23.32	23.08	23.18	23.70
5	16QAM	12	13	23.15	23.05	23.31	23.19	23.22	23.70
5	16QAM	25	0	22.31	22.30	22.30	22.30	22.31	22.70
5	64QAM	1	0	23.10	22.90	23.07	23.03	23.01	23.70
5	64QAM	1	12	22.96	22.88	22.99	22.91	22.95	23.70
5	64QAM	1	24	22.94	22.83	23.09	22.91	22.87	23.70
5	64QAM	12	0	22.25	22.07	22.28	22.11	22.13	22.70
5	64QAM	12	7	22.10	22.16	22.27	22.16	22.22	22.70
5	64QAM	12	13	22.07	22.12	22.33	22.21	22.26	22.70
5	64QAM	25	0	21.30	21.31	21.31	21.30	21.30	21.70
5	256QAM	1	0	20.21	20.25	20.39	20.32	20.29	20.70
5	256QAM	1	12	20.17	20.10	20.25	20.22	20.25	20.70
5	256QAM	1	24	20.19	20.22	20.36	20.27	20.22	20.70
5	256QAM	12	0	20.13	20.18	20.28	20.26	20.25	20.70
5	256QAM	12	7	20.31	20.17	20.39	20.20	20.30	20.70
5	256QAM	12	13	20.15	20.20	20.35	20.22	20.17	20.70
5	256QAM	25	0	19.31	19.31	19.30	19.32	19.31	19.70



【LTE Band 41__FCC (2496~2690MHz)_Ant 2_EC11】

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	19.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.22	19.25	19.30	19.21	19.23	19.70
20	QPSK	1	49	19.11	19.10	19.23	19.09	19.04	19.70
20	QPSK	1	99	19.03	19.06	19.25	19.07	19.13	19.70
20	QPSK	50	0	19.08	19.18	19.26	19.13	19.10	19.70
20	QPSK	50	24	19.00	19.10	19.19	18.99	19.01	19.70
20	QPSK	50	50	18.95	19.06	19.16	18.96	18.99	19.70
20	QPSK	100	0	18.96	18.95	19.10	18.95	18.97	19.70
20	16QAM	1	0	18.93	18.96	19.14	19.02	18.96	19.70
20	16QAM	1	49	18.95	19.00	19.18	19.01	19.02	19.70
20	16QAM	1	99	19.00	19.02	19.11	18.97	18.89	19.70
20	16QAM	50	0	18.95	19.00	19.09	18.93	19.01	19.70
20	16QAM	50	24	18.89	18.85	19.04	18.83	18.96	19.70
20	16QAM	50	50	18.87	19.00	19.08	18.95	18.88	19.70
20	16QAM	100	0	18.87	18.87	19.01	18.87	18.92	19.70
20	64QAM	1	0	18.82	18.88	19.04	18.83	18.83	19.70
20	64QAM	1	49	19.00	18.92	19.11	18.98	18.90	19.70
20	64QAM	1	99	19.00	18.93	19.09	18.98	18.88	19.70
20	64QAM	50	0	18.97	18.91	19.09	18.95	19.00	19.70
20	64QAM	50	24	18.87	18.92	19.00	18.82	18.85	19.70
20	64QAM	50	50	18.76	18.85	18.92	18.82	18.72	19.70
20	64QAM	100	0	18.85	18.99	19.07	18.89	18.95	19.70
20	256QAM	1	0	18.90	18.86	19.06	18.95	18.89	19.70
20	256QAM	1	49	18.96	18.99	19.05	18.90	18.93	19.70
20	256QAM	1	99	18.93	18.95	19.12	18.94	18.94	19.70
20	256QAM	50	0	18.87	18.99	19.08	18.93	18.88	19.70
20	256QAM	50	24	18.80	18.86	18.93	18.79	18.74	19.70
20	256QAM	50	50	18.76	18.83	18.91	18.81	18.77	19.70
20	256QAM	100	0	18.94	18.88	19.05	18.90	18.85	19.70
Channel				39725	40173	40620	41068	41515	19.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.11	19.22	19.28	19.19	19.20	19.70
15	QPSK	1	37	19.08	19.00	19.14	19.04	18.90	19.70
15	QPSK	1	74	18.89	19.02	19.21	19.04	19.07	19.70
15	QPSK	36	0	19.04	19.10	19.22	18.99	19.06	19.70
15	QPSK	36	20	18.95	19.04	19.14	18.93	18.96	19.70
15	QPSK	36	39	18.84	18.96	19.03	18.90	18.93	19.70
15	QPSK	75	0	18.89	18.81	19.00	18.86	18.86	19.70
15	16QAM	1	0	18.80	18.93	19.04	18.93	18.93	19.70
15	16QAM	1	37	18.86	18.95	19.06	18.87	18.91	19.70
15	16QAM	1	74	18.97	18.98	18.99	18.92	18.81	19.70
15	16QAM	36	0	18.87	18.89	18.99	18.83	18.92	19.70
15	16QAM	36	20	18.77	18.76	18.99	18.74	18.90	19.70
15	16QAM	36	39	18.81	18.85	19.03	18.85	18.83	19.70
15	16QAM	75	0	18.85	18.86	18.96	18.78	18.85	19.70
15	64QAM	1	0	18.80	18.77	18.97	18.76	18.72	19.70
15	64QAM	1	37	18.89	18.89	18.99	18.88	18.87	19.70
15	64QAM	1	74	18.88	18.87	19.02	18.96	18.76	19.70
15	64QAM	36	0	18.92	18.88	19.01	18.84	18.92	19.70
15	64QAM	36	20	18.83	18.83	18.98	18.69	18.83	19.70
15	64QAM	36	39	18.74	18.76	18.88	18.75	18.66	19.70
15	64QAM	75	0	18.75	18.85	19.06	18.84	18.85	19.70
15	256QAM	1	0	18.82	18.78	18.91	18.84	18.86	19.70
15	256QAM	1	37	18.88	18.91	18.98	18.87	18.90	19.70
15	256QAM	1	74	18.82	18.93	19.08	18.93	18.86	19.70
15	256QAM	36	0	18.74	18.87	19.04	18.79	18.87	19.70
15	256QAM	36	20	18.72	18.85	18.83	18.73	18.66	19.70
15	256QAM	36	39	18.72	18.70	18.83	18.74	18.64	19.70
15	256QAM	75	0	18.88	18.85	19.03	18.86	18.79	19.70
Channel				39700	40160	40620	41080	41540	19.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.16	19.11	19.26	19.07	19.15	19.70
10	QPSK	1	25	19.00	19.02	19.18	19.07	18.99	19.70
10	QPSK	1	49	18.98	18.92	19.24	18.98	19.09	19.70
10	QPSK	25	0	18.98	19.16	19.24	19.00	19.06	19.70
10	QPSK	25	12	18.90	18.96	19.15	18.88	18.88	19.70
10	QPSK	25	25	18.85	19.01	19.11	18.90	18.87	19.70
10	QPSK	50	0	18.93	18.85	18.98	18.88	18.87	19.70



10	16QAM	1	0	18.84	18.92	19.02	19.00	18.94	19.70
10	16QAM	1	25	18.90	18.94	19.13	18.93	18.93	19.70
10	16QAM	1	49	18.89	18.93	19.09	18.86	18.81	19.70
10	16QAM	25	0	18.94	18.87	18.96	18.89	18.87	19.70
10	16QAM	25	12	18.76	18.83	18.94	18.69	18.85	19.70
10	16QAM	25	25	18.85	18.98	19.03	18.87	18.83	19.70
10	16QAM	50	0	18.81	18.78	18.93	18.86	18.87	19.70
10	64QAM	1	0	18.68	18.76	18.96	18.75	18.77	19.70
10	64QAM	1	25	18.98	18.89	19.05	18.96	18.87	19.70
10	64QAM	1	49	18.98	18.80	19.02	18.84	18.80	19.70
10	64QAM	25	0	18.92	18.79	19.03	18.92	18.85	19.70
10	64QAM	25	12	18.83	18.86	18.87	18.75	18.76	19.70
10	64QAM	25	25	18.62	18.77	18.86	18.71	18.71	19.70
10	64QAM	50	0	18.78	18.98	19.00	18.86	18.93	19.70
10	256QAM	1	0	18.89	18.76	18.93	18.89	18.84	19.70
10	256QAM	1	25	18.93	18.85	18.97	18.85	18.83	19.70
10	256QAM	1	49	18.87	18.83	19.07	18.90	18.82	19.70
10	256QAM	25	0	18.82	18.85	18.98	18.82	18.79	19.70
10	256QAM	25	12	18.79	18.76	18.82	18.70	18.69	19.70
10	256QAM	25	25	18.71	18.82	18.85	18.72	18.75	19.70
10	256QAM	50	0	18.81	18.87	19.02	18.79	18.82	19.70
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	19.21	19.13	19.24	19.12	19.14	19.70
5	QPSK	1	12	19.05	19.07	19.20	19.00	19.03	19.70
5	QPSK	1	24	18.90	18.98	19.16	18.99	19.12	19.70
5	QPSK	12	0	19.05	19.15	19.13	19.03	19.03	19.70
5	QPSK	12	7	18.97	19.07	19.10	18.92	18.96	19.70
5	QPSK	12	13	18.94	19.04	19.05	18.87	18.87	19.70
5	QPSK	25	0	18.91	18.86	19.08	18.87	18.84	19.70
5	16QAM	1	0	18.89	18.87	19.11	18.92	18.89	19.70
5	16QAM	1	12	18.84	18.87	19.14	18.96	19.01	19.70
5	16QAM	1	24	18.98	18.91	19.00	18.85	18.87	19.70
5	16QAM	12	0	18.84	18.91	18.99	18.83	18.91	19.70
5	16QAM	12	7	18.79	18.75	18.93	18.72	18.88	19.70
5	16QAM	12	13	18.73	18.95	19.04	18.86	18.85	19.70
5	16QAM	25	0	18.80	18.79	18.96	18.81	18.85	19.70
5	64QAM	1	0	18.75	18.86	18.97	18.70	18.70	19.70
5	64QAM	1	12	18.95	18.81	18.97	18.96	18.83	19.70
5	64QAM	1	24	18.96	18.89	19.07	18.85	18.78	19.70
5	64QAM	12	0	18.82	18.79	19.01	18.82	18.95	19.70
5	64QAM	12	7	18.76	18.81	18.99	18.76	18.77	19.70
5	64QAM	12	13	18.67	18.79	18.91	18.72	18.68	19.70
5	64QAM	25	0	18.76	18.85	18.99	18.81	18.81	19.70
5	256QAM	1	0	18.78	18.72	18.93	18.93	18.77	19.70
5	256QAM	1	12	18.87	18.90	19.03	18.88	18.89	19.70
5	256QAM	1	24	18.81	18.90	19.02	18.79	18.85	19.70
5	256QAM	12	0	18.82	18.89	19.02	18.82	18.85	19.70
5	256QAM	12	7	18.78	18.80	18.80	18.70	18.69	19.70
5	256QAM	12	13	18.67	18.74	18.87	18.66	18.72	19.70
5	256QAM	25	0	18.91	18.73	19.01	18.81	18.75	19.70

【LTE Band 41__FCC (2496~2690MHz)_Ant 2_EC13】

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	19.22	19.25	19.30	19.21	19.23	19.70
20	QPSK	1	49	19.11	19.10	19.23	19.09	19.04	19.70
20	QPSK	1	99	19.03	19.06	19.25	19.07	19.13	19.70
20	QPSK	50	0	19.08	19.18	19.26	19.13	19.10	19.70
20	QPSK	50	24	19.00	19.10	19.19	18.99	19.01	19.70
20	QPSK	50	50	18.95	19.06	19.16	18.96	18.99	19.70
20	QPSK	100	0	18.96	18.95	19.10	18.95	18.97	19.70
20	16QAM	1	0	18.93	18.96	19.14	19.02	18.96	19.70
20	16QAM	1	49	18.95	19.00	19.18	19.01	19.02	19.70
20	16QAM	1	99	19.00	19.02	19.11	18.97	18.89	19.70
20	16QAM	50	0	18.95	19.00	19.09	18.93	19.01	19.70
20	16QAM	50	24	18.89	18.85	19.04	18.83	18.96	19.70
20	16QAM	50	50	18.87	19.00	19.08	18.95	18.88	19.70
20	16QAM	100	0	18.87	18.87	19.01	18.87	18.92	19.70



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20	64QAM	1	0	18.82	18.88	19.04	18.83	18.83	19.70
20	64QAM	1	49	19.00	18.92	19.11	18.98	18.90	19.70
20	64QAM	1	99	19.00	18.93	19.09	18.98	18.88	19.70
20	64QAM	50	0	18.97	18.91	19.09	18.95	19.00	19.70
20	64QAM	50	24	18.87	18.92	19.00	18.82	18.85	19.70
20	64QAM	50	50	18.76	18.85	18.92	18.82	18.72	19.70
20	64QAM	100	0	18.85	18.99	19.07	18.89	18.95	19.70
20	256QAM	1	0	18.90	18.86	19.06	18.95	18.89	19.70
20	256QAM	1	49	18.96	18.99	19.05	18.90	18.93	19.70
20	256QAM	1	99	18.93	18.95	19.12	18.94	18.94	19.70
20	256QAM	50	0	18.87	18.99	19.08	18.93	18.88	19.70
20	256QAM	50	24	18.80	18.86	18.93	18.79	18.74	19.70
20	256QAM	50	50	18.76	18.83	18.91	18.81	18.77	19.70
20	256QAM	100	0	18.94	18.88	19.05	18.90	18.85	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.11	19.22	19.28	19.19	19.20	19.70
15	QPSK	1	37	19.08	19.00	19.14	19.04	18.90	19.70
15	QPSK	1	74	18.89	19.02	19.21	19.04	19.07	19.70
15	QPSK	36	0	19.04	19.10	19.22	18.99	19.06	19.70
15	QPSK	36	20	18.95	19.04	19.14	18.93	18.96	19.70
15	QPSK	36	39	18.84	18.96	19.03	18.90	18.93	19.70
15	QPSK	75	0	18.89	18.81	19.00	18.86	18.86	19.70
15	16QAM	1	0	18.80	18.93	19.04	18.93	18.93	19.70
15	16QAM	1	37	18.86	18.95	19.06	18.87	18.91	19.70
15	16QAM	1	74	18.97	18.98	18.99	18.92	18.81	19.70
15	16QAM	36	0	18.87	18.89	18.99	18.83	18.92	19.70
15	16QAM	36	20	18.77	18.76	18.99	18.74	18.90	19.70
15	16QAM	36	39	18.81	18.85	19.03	18.85	18.83	19.70
15	16QAM	75	0	18.85	18.86	18.96	18.78	18.85	19.70
15	64QAM	1	0	18.80	18.77	18.97	18.76	18.72	19.70
15	64QAM	1	37	18.89	18.89	18.99	18.88	18.87	19.70
15	64QAM	1	74	18.88	18.87	19.02	18.96	18.76	19.70
15	64QAM	36	0	18.92	18.88	19.01	18.84	18.92	19.70
15	64QAM	36	20	18.83	18.83	18.98	18.69	18.83	19.70
15	64QAM	36	39	18.74	18.76	18.88	18.75	18.66	19.70
15	64QAM	75	0	18.75	18.85	19.06	18.84	18.85	19.70
15	256QAM	1	0	18.82	18.78	18.91	18.84	18.86	19.70
15	256QAM	1	37	18.88	18.91	18.98	18.87	18.90	19.70
15	256QAM	1	74	18.82	18.93	19.08	18.93	18.86	19.70
15	256QAM	36	0	18.74	18.87	19.04	18.79	18.87	19.70
15	256QAM	36	20	18.72	18.85	18.83	18.73	18.66	19.70
15	256QAM	36	39	18.72	18.70	18.83	18.74	18.64	19.70
15	256QAM	75	0	18.88	18.85	19.03	18.86	18.79	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.16	19.11	19.26	19.07	19.15	19.70
10	QPSK	1	25	19.00	19.02	19.18	19.07	18.99	19.70
10	QPSK	1	49	18.98	18.92	19.24	18.98	19.09	19.70
10	QPSK	25	0	18.98	19.16	19.24	19.00	19.06	19.70
10	QPSK	25	12	18.90	18.96	19.15	18.88	18.88	19.70
10	QPSK	25	25	18.85	19.01	19.11	18.90	18.87	19.70
10	QPSK	50	0	18.93	18.85	18.98	18.88	18.87	19.70
10	16QAM	1	0	18.84	18.92	19.02	19.00	18.94	19.70
10	16QAM	1	25	18.90	18.94	19.13	18.93	18.93	19.70
10	16QAM	1	49	18.89	18.93	19.09	18.86	18.81	19.70
10	16QAM	25	0	18.94	18.87	18.96	18.89	18.87	19.70
10	16QAM	25	12	18.76	18.83	18.94	18.69	18.85	19.70
10	16QAM	25	25	18.85	18.98	19.03	18.87	18.83	19.70
10	16QAM	50	0	18.81	18.78	18.93	18.86	18.87	19.70
10	64QAM	1	0	18.68	18.76	18.96	18.75	18.77	19.70
10	64QAM	1	25	18.98	18.89	19.05	18.96	18.87	19.70
10	64QAM	1	49	18.98	18.80	19.02	18.84	18.80	19.70
10	64QAM	25	0	18.92	18.79	19.03	18.92	18.85	19.70
10	64QAM	25	12	18.83	18.86	18.87	18.75	18.76	19.70
10	64QAM	25	25	18.62	18.77	18.86	18.71	18.71	19.70
10	64QAM	50	0	18.78	18.98	19.00	18.86	18.93	19.70
10	256QAM	1	0	18.89	18.76	18.93	18.89	18.84	19.70
10	256QAM	1	25	18.93	18.85	18.97	18.85	18.83	19.70
10	256QAM	1	49	18.87	18.83	19.07	18.90	18.82	19.70
10	256QAM	25	0	18.82	18.85	18.98	18.82	18.79	19.70
10	256QAM	25	12	18.79	18.76	18.82	18.70	18.69	19.70
10	256QAM	25	25	18.71	18.82	18.85	18.72	18.75	19.70
10	256QAM	50	0	18.81	18.87	19.02	18.79	18.82	19.70
Channel				39675	40148	40620	41093	41565	Tune-up limit
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	



									(dBm)
5	QPSK	1	0	19.21	19.13	19.24	19.12	19.14	19.70
5	QPSK	1	12	19.05	19.07	19.20	19.00	19.03	19.70
5	QPSK	1	24	18.90	18.98	19.16	18.99	19.12	19.70
5	QPSK	12	0	19.05	19.15	19.13	19.03	19.03	19.70
5	QPSK	12	7	18.97	19.07	19.10	18.92	18.96	19.70
5	QPSK	12	13	18.94	19.04	19.05	18.87	18.87	19.70
5	QPSK	25	0	18.91	18.86	19.08	18.87	18.84	19.70
5	16QAM	1	0	18.89	18.87	19.11	18.92	18.89	19.70
5	16QAM	1	12	18.84	18.87	19.14	18.96	19.01	19.70
5	16QAM	1	24	18.98	18.91	19.00	18.85	18.87	19.70
5	16QAM	12	0	18.84	18.91	18.99	18.83	18.91	19.70
5	16QAM	12	7	18.79	18.75	18.93	18.72	18.88	19.70
5	16QAM	12	13	18.73	18.95	19.04	18.86	18.85	19.70
5	16QAM	25	0	18.80	18.79	18.96	18.81	18.85	19.70
5	64QAM	1	0	18.75	18.86	18.97	18.70	18.70	19.70
5	64QAM	1	12	18.95	18.81	18.97	18.96	18.83	19.70
5	64QAM	1	24	18.96	18.89	19.07	18.85	18.78	19.70
5	64QAM	12	0	18.82	18.79	19.01	18.82	18.95	19.70
5	64QAM	12	7	18.76	18.81	18.99	18.76	18.77	19.70
5	64QAM	12	13	18.67	18.79	18.91	18.72	18.68	19.70
5	64QAM	25	0	18.76	18.85	18.99	18.81	18.81	19.70
5	256QAM	1	0	18.78	18.72	18.93	18.93	18.77	19.70
5	256QAM	1	12	18.87	18.90	19.03	18.88	18.89	19.70
5	256QAM	1	24	18.81	18.90	19.02	18.79	18.85	19.70
5	256QAM	12	0	18.82	18.89	19.02	18.82	18.85	19.70
5	256QAM	12	7	18.78	18.80	18.80	18.70	18.69	19.70
5	256QAM	12	13	18.67	18.74	18.87	18.66	18.72	19.70
5	256QAM	25	0	18.91	18.73	19.01	18.81	18.75	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 2_ECI4】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.16	25.10	25.23	25.20	25.21	25.70
20	QPSK	1	49	25.05	24.93	25.16	25.01	25.00	25.70
20	QPSK	1	99	24.97	25.00	25.16	25.03	25.06	25.70
20	QPSK	50	0	24.29	24.17	24.37	24.27	24.32	24.70
20	QPSK	50	24	24.11	24.11	24.32	24.24	24.16	24.70
20	QPSK	50	50	24.19	24.14	24.32	24.16	24.22	24.70
20	QPSK	100	0	23.32	23.31	23.36	23.31	23.30	23.70
20	16QAM	1	0	24.31	24.25	24.48	24.33	24.43	24.70
20	16QAM	1	49	24.24	24.21	24.38	24.25	24.31	24.70
20	16QAM	1	99	24.27	24.25	24.41	24.32	24.30	24.70
20	16QAM	50	0	23.21	23.15	23.40	23.23	23.36	23.70
20	16QAM	50	24	23.22	23.09	23.34	23.22	23.25	23.70
20	16QAM	50	50	23.16	23.17	23.35	23.26	23.31	23.70
20	16QAM	100	0	22.31	22.31	22.39	22.30	22.30	22.70
20	64QAM	1	0	23.11	22.92	23.19	23.07	23.11	23.70
20	64QAM	1	49	22.99	22.91	23.14	23.05	23.04	23.70
20	64QAM	1	99	23.04	22.89	23.13	23.00	23.01	23.70
20	64QAM	50	0	22.28	22.19	22.41	22.25	22.26	22.70
20	64QAM	50	24	22.17	22.23	22.38	22.28	22.29	22.70
20	64QAM	50	50	22.20	22.20	22.38	22.25	22.31	22.70
20	64QAM	100	0	21.30	21.30	21.36	21.32	21.31	21.70
20	256QAM	1	0	20.35	20.28	20.45	20.38	20.31	20.70
20	256QAM	1	49	20.21	20.20	20.39	20.31	20.27	20.70
20	256QAM	1	99	20.21	20.25	20.38	20.34	20.30	20.70
20	256QAM	50	0	20.22	20.26	20.42	20.31	20.38	20.70
20	256QAM	50	24	20.33	20.26	20.40	20.33	20.32	20.70
20	256QAM	50	50	20.25	20.26	20.39	20.28	20.29	20.70
20	256QAM	100	0	19.30	19.31	19.35	19.30	19.30	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.12	24.96	25.12	25.17	25.11	25.70
15	QPSK	1	37	24.99	24.78	25.12	24.92	24.86	25.70
15	QPSK	1	74	24.89	24.90	25.02	24.98	25.04	25.70
15	QPSK	36	0	24.18	24.12	24.32	24.12	24.23	24.70
15	QPSK	36	20	24.07	24.07	24.25	24.19	24.11	24.70
15	QPSK	36	39	24.13	24.00	24.18	24.14	24.13	24.70



15	QPSK	75	0	23.30	23.30	23.33	23.31	23.30	23.70
15	16QAM	1	0	24.19	24.16	24.45	24.18	24.38	24.70
15	16QAM	1	37	24.12	24.14	24.36	24.14	24.18	24.70
15	16QAM	1	74	24.22	24.18	24.35	24.23	24.24	24.70
15	16QAM	36	0	23.08	23.01	23.28	23.10	23.22	23.70
15	16QAM	36	20	23.18	23.02	23.20	23.17	23.20	23.70
15	16QAM	36	39	23.13	23.08	23.32	23.24	23.29	23.70
15	16QAM	75	0	22.31	22.31	22.30	22.31	22.30	22.70
15	64QAM	1	0	23.07	22.88	23.13	23.01	23.00	23.70
15	64QAM	1	37	22.86	22.89	23.11	22.93	22.93	23.70
15	64QAM	1	74	22.99	22.85	23.04	22.96	22.91	23.70
15	64QAM	36	0	22.22	22.04	22.31	22.18	22.13	22.70
15	64QAM	36	20	22.06	22.08	22.31	22.20	22.28	22.70
15	64QAM	36	39	22.05	22.19	22.28	22.18	22.24	22.70
15	64QAM	75	0	21.30	21.31	21.32	21.31	21.31	21.70
15	256QAM	1	0	20.32	20.18	20.42	20.31	20.23	20.70
15	256QAM	1	37	20.08	20.13	20.25	20.20	20.20	20.70
15	256QAM	1	74	20.11	20.16	20.25	20.30	20.17	20.70
15	256QAM	36	0	20.09	20.13	20.40	20.16	20.25	20.70
15	256QAM	36	20	20.20	20.19	20.30	20.19	20.24	20.70
15	256QAM	36	39	20.13	20.21	20.26	20.14	20.24	20.70
15	256QAM	75	0	19.30	19.30	19.31	19.31	19.30	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.07	25.00	25.14	25.09	25.19	25.70
10	QPSK	1	25	25.02	24.83	25.06	24.88	24.87	25.70
10	QPSK	1	49	24.86	24.95	25.09	24.93	25.00	25.70
10	QPSK	25	0	24.16	24.03	24.26	24.07	24.23	24.70
10	QPSK	25	12	24.06	24.05	24.25	24.17	24.09	24.70
10	QPSK	25	25	24.12	24.02	24.24	24.04	24.13	24.70
10	QPSK	50	0	23.31	23.31	23.30	23.31	23.31	23.70
10	16QAM	1	0	24.28	24.19	24.42	24.21	24.40	24.70
10	16QAM	1	25	24.16	24.20	24.25	24.16	24.21	24.70
10	16QAM	1	49	24.22	24.20	24.32	24.24	24.20	24.70
10	16QAM	25	0	23.19	23.00	23.39	23.21	23.28	23.70
10	16QAM	25	12	23.11	22.99	23.20	23.10	23.10	23.70
10	16QAM	25	25	23.07	23.07	23.28	23.25	23.29	23.70
10	16QAM	50	0	22.30	22.30	22.31	22.31	22.32	22.70
10	64QAM	1	0	23.01	22.80	23.16	22.95	23.01	23.70
10	64QAM	1	25	22.93	22.79	23.11	22.95	22.99	23.70
10	64QAM	1	49	22.99	22.76	23.02	22.91	22.97	23.70
10	64QAM	25	0	22.26	22.08	22.26	22.21	22.21	22.70
10	64QAM	25	12	22.06	22.14	22.31	22.17	22.20	22.70
10	64QAM	25	25	22.07	22.17	22.34	22.21	22.25	22.70
10	64QAM	50	0	21.31	21.31	21.30	21.31	21.30	21.70
10	256QAM	1	0	20.29	20.14	20.38	20.33	20.20	20.70
10	256QAM	1	25	20.20	20.05	20.35	20.24	20.17	20.70
10	256QAM	1	49	20.15	20.24	20.35	20.24	20.25	20.70
10	256QAM	25	0	20.13	20.22	20.31	20.29	20.31	20.70
10	256QAM	25	12	20.28	20.17	20.36	20.20	20.22	20.70
10	256QAM	25	25	20.11	20.22	20.25	20.21	20.17	20.70
10	256QAM	50	0	19.30	19.30	19.31	19.31	19.30	19.70
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	25.07	24.97	25.20	25.09	25.20	25.70
5	QPSK	1	12	24.97	24.87	25.11	25.00	24.98	25.70
5	QPSK	1	24	24.92	24.85	25.11	24.94	24.99	25.70
5	QPSK	12	0	24.18	24.03	24.34	24.14	24.25	24.70
5	QPSK	12	7	24.09	23.99	24.29	24.11	24.06	24.70
5	QPSK	12	13	24.16	24.11	24.29	24.04	24.08	24.70
5	QPSK	25	0	23.30	23.30	23.31	23.30	23.31	23.70
5	16QAM	1	0	24.23	24.12	24.34	24.20	24.40	24.70
5	16QAM	1	12	24.22	24.14	24.25	24.24	24.23	24.70
5	16QAM	1	24	24.24	24.16	24.38	24.21	24.28	24.70
5	16QAM	12	0	23.19	23.04	23.38	23.16	23.23	23.70
5	16QAM	12	7	23.10	22.96	23.32	23.08	23.18	23.70
5	16QAM	12	13	23.15	23.05	23.31	23.19	23.22	23.70
5	16QAM	25	0	22.31	22.30	22.30	22.30	22.31	22.70
5	64QAM	1	0	23.10	22.90	23.07	23.03	23.01	23.70
5	64QAM	1	12	22.96	22.88	22.99	22.91	22.95	23.70
5	64QAM	1	24	22.94	22.83	23.09	22.91	22.87	23.70
5	64QAM	12	0	22.25	22.07	22.28	22.11	22.13	22.70
5	64QAM	12	7	22.10	22.16	22.27	22.16	22.22	22.70
5	64QAM	12	13	22.07	22.12	22.33	22.21	22.26	22.70
5	64QAM	25	0	21.30	21.31	21.31	21.30	21.30	21.70
5	256QAM	1	0	20.21	20.25	20.39	20.32	20.29	20.70



5	256QAM	1	12	20.17	20.10	20.25	20.22	20.25	20.70
5	256QAM	1	24	20.19	20.22	20.36	20.27	20.22	20.70
5	256QAM	12	0	20.13	20.18	20.28	20.26	20.25	20.70
5	256QAM	12	7	20.31	20.17	20.39	20.20	20.30	20.70
5	256QAM	12	13	20.15	20.20	20.35	20.22	20.17	20.70
5	256QAM	25	0	19.31	19.31	19.30	19.32	19.31	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 2_EC15】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.22	19.25	19.30	19.21	19.23	19.70
20	QPSK	1	49	19.11	19.10	19.23	19.09	19.04	19.70
20	QPSK	1	99	19.03	19.06	19.25	19.07	19.13	19.70
20	QPSK	50	0	19.08	19.18	19.26	19.13	19.10	19.70
20	QPSK	50	24	19.00	19.10	19.19	18.99	19.01	19.70
20	QPSK	50	50	18.95	19.06	19.16	18.96	18.99	19.70
20	QPSK	100	0	18.96	18.95	19.10	18.95	18.97	19.70
20	16QAM	1	0	18.93	18.96	19.14	19.02	18.96	19.70
20	16QAM	1	49	18.95	19.00	19.18	19.01	19.02	19.70
20	16QAM	1	99	19.00	19.02	19.11	18.97	18.89	19.70
20	16QAM	50	0	18.95	19.00	19.09	18.93	19.01	19.70
20	16QAM	50	24	18.89	18.85	19.04	18.83	18.96	19.70
20	16QAM	50	50	18.87	19.00	19.08	18.95	18.88	19.70
20	16QAM	100	0	18.87	18.87	19.01	18.87	18.92	19.70
20	64QAM	1	0	18.82	18.88	19.04	18.83	18.83	19.70
20	64QAM	1	49	19.00	18.92	19.11	18.98	18.90	19.70
20	64QAM	1	99	19.00	18.93	19.09	18.98	18.88	19.70
20	64QAM	50	0	18.97	18.91	19.09	18.95	19.00	19.70
20	64QAM	50	24	18.87	18.92	19.00	18.82	18.85	19.70
20	64QAM	50	50	18.76	18.85	18.92	18.82	18.72	19.70
20	64QAM	100	0	18.85	18.99	19.07	18.89	18.95	19.70
20	256QAM	1	0	18.90	18.86	19.06	18.95	18.89	19.70
20	256QAM	1	49	18.96	18.99	19.05	18.90	18.93	19.70
20	256QAM	1	99	18.93	18.95	19.12	18.94	18.94	19.70
20	256QAM	50	0	18.87	18.99	19.08	18.93	18.88	19.70
20	256QAM	50	24	18.80	18.86	18.93	18.79	18.74	19.70
20	256QAM	50	50	18.76	18.83	18.91	18.81	18.77	19.70
20	256QAM	100	0	18.94	18.88	19.05	18.90	18.85	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.11	19.22	19.28	19.19	19.20	19.70
15	QPSK	1	37	19.08	19.00	19.14	19.04	18.90	19.70
15	QPSK	1	74	18.89	19.02	19.21	19.04	19.07	19.70
15	QPSK	36	0	19.04	19.10	19.22	18.99	19.06	19.70
15	QPSK	36	20	18.95	19.04	19.14	18.93	18.96	19.70
15	QPSK	36	39	18.84	18.96	19.03	18.90	18.93	19.70
15	QPSK	75	0	18.89	18.81	19.00	18.86	18.86	19.70
15	16QAM	1	0	18.80	18.93	19.04	18.93	18.93	19.70
15	16QAM	1	37	18.86	18.95	19.06	18.87	18.91	19.70
15	16QAM	1	74	18.97	18.98	18.99	18.92	18.81	19.70
15	16QAM	36	0	18.87	18.89	18.99	18.83	18.92	19.70
15	16QAM	36	20	18.77	18.76	18.99	18.74	18.90	19.70
15	16QAM	36	39	18.81	18.85	19.03	18.85	18.83	19.70
15	16QAM	75	0	18.85	18.86	18.96	18.78	18.85	19.70
15	64QAM	1	0	18.80	18.77	18.97	18.76	18.72	19.70
15	64QAM	1	37	18.89	18.89	18.99	18.88	18.87	19.70
15	64QAM	1	74	18.88	18.87	19.02	18.96	18.76	19.70
15	64QAM	36	0	18.92	18.88	19.01	18.84	18.92	19.70
15	64QAM	36	20	18.83	18.83	18.98	18.69	18.83	19.70
15	64QAM	36	39	18.74	18.76	18.88	18.75	18.66	19.70
15	64QAM	75	0	18.75	18.85	19.06	18.84	18.85	19.70
15	256QAM	1	0	18.82	18.78	18.91	18.84	18.86	19.70
15	256QAM	1	37	18.88	18.91	18.98	18.87	18.90	19.70
15	256QAM	1	74	18.82	18.93	19.08	18.93	18.86	19.70
15	256QAM	36	0	18.74	18.87	19.04	18.79	18.87	19.70
15	256QAM	36	20	18.72	18.85	18.83	18.73	18.66	19.70
15	256QAM	36	39	18.72	18.70	18.83	18.74	18.64	19.70
15	256QAM	75	0	18.88	18.85	19.03	18.86	18.79	19.70
Channel				39700	40160	40620	41080	41540	Tune-up



Frequency (MHz)				2501	2547	2593	2639	2685	limit (dBm)
10	QPSK	1	0	19.16	19.11	19.26	19.07	19.15	19.70
10	QPSK	1	25	19.00	19.02	19.18	19.07	18.99	19.70
10	QPSK	1	49	18.98	18.92	19.24	18.98	19.09	19.70
10	QPSK	25	0	18.98	19.16	19.24	19.00	19.06	19.70
10	QPSK	25	12	18.90	18.96	19.15	18.88	18.88	19.70
10	QPSK	25	25	18.85	19.01	19.11	18.90	18.87	19.70
10	QPSK	50	0	18.93	18.85	18.98	18.88	18.87	19.70
10	16QAM	1	0	18.84	18.92	19.02	19.00	18.94	19.70
10	16QAM	1	25	18.90	18.94	19.13	18.93	18.93	19.70
10	16QAM	1	49	18.89	18.93	19.09	18.86	18.81	19.70
10	16QAM	25	0	18.94	18.87	18.96	18.89	18.87	19.70
10	16QAM	25	12	18.76	18.83	18.94	18.69	18.85	19.70
10	16QAM	25	25	18.85	18.98	19.03	18.87	18.83	19.70
10	16QAM	50	0	18.81	18.78	18.93	18.86	18.87	19.70
10	64QAM	1	0	18.68	18.76	18.96	18.75	18.77	19.70
10	64QAM	1	25	18.98	18.89	19.05	18.96	18.87	19.70
10	64QAM	1	49	18.98	18.80	19.02	18.84	18.80	19.70
10	64QAM	25	0	18.92	18.79	19.03	18.92	18.85	19.70
10	64QAM	25	12	18.83	18.86	18.87	18.75	18.76	19.70
10	64QAM	25	25	18.62	18.77	18.86	18.71	18.71	19.70
10	64QAM	50	0	18.78	18.98	19.00	18.86	18.93	19.70
10	256QAM	1	0	18.89	18.76	18.93	18.89	18.84	19.70
10	256QAM	1	25	18.93	18.85	18.97	18.85	18.83	19.70
10	256QAM	1	49	18.87	18.83	19.07	18.90	18.82	19.70
10	256QAM	25	0	18.82	18.85	18.98	18.82	18.79	19.70
10	256QAM	25	12	18.79	18.76	18.82	18.70	18.69	19.70
10	256QAM	25	25	18.71	18.82	18.85	18.72	18.75	19.70
10	256QAM	50	0	18.81	18.87	19.02	18.79	18.82	19.70
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	19.21	19.13	19.24	19.12	19.14	19.70
5	QPSK	1	12	19.05	19.07	19.20	19.00	19.03	19.70
5	QPSK	1	24	18.90	18.98	19.16	18.99	19.12	19.70
5	QPSK	12	0	19.05	19.15	19.13	19.03	19.03	19.70
5	QPSK	12	7	18.97	19.07	19.10	18.92	18.96	19.70
5	QPSK	12	13	18.94	19.04	19.05	18.87	18.87	19.70
5	QPSK	25	0	18.91	18.86	19.08	18.87	18.84	19.70
5	16QAM	1	0	18.89	18.87	19.11	18.92	18.89	19.70
5	16QAM	1	12	18.84	18.87	19.14	18.96	19.01	19.70
5	16QAM	1	24	18.98	18.91	19.00	18.85	18.87	19.70
5	16QAM	12	0	18.84	18.91	18.99	18.83	18.91	19.70
5	16QAM	12	7	18.79	18.75	18.93	18.72	18.88	19.70
5	16QAM	12	13	18.73	18.95	19.04	18.86	18.85	19.70
5	16QAM	25	0	18.80	18.79	18.96	18.81	18.85	19.70
5	64QAM	1	0	18.75	18.86	18.97	18.70	18.70	19.70
5	64QAM	1	12	18.95	18.81	18.97	18.96	18.83	19.70
5	64QAM	1	24	18.96	18.89	19.07	18.85	18.78	19.70
5	64QAM	12	0	18.82	18.79	19.01	18.82	18.95	19.70
5	64QAM	12	7	18.76	18.81	18.99	18.76	18.77	19.70
5	64QAM	12	13	18.67	18.79	18.91	18.72	18.68	19.70
5	64QAM	25	0	18.76	18.85	18.99	18.81	18.81	19.70
5	256QAM	1	0	18.78	18.72	18.93	18.93	18.77	19.70
5	256QAM	1	12	18.87	18.90	19.03	18.88	18.89	19.70
5	256QAM	1	24	18.81	18.90	19.02	18.79	18.85	19.70
5	256QAM	12	0	18.82	18.89	19.02	18.82	18.85	19.70
5	256QAM	12	7	18.78	18.80	18.80	18.70	18.69	19.70
5	256QAM	12	13	18.67	18.74	18.87	18.66	18.72	19.70
5	256QAM	25	0	18.91	18.73	19.01	18.81	18.75	19.70



【LTE Band 41__FCC (2496~2690MHz)_Ant 3_Default】

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	25.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.05	25.14	25.34	25.29	25.26	25.70
20	QPSK	1	49	24.85	24.98	25.26	25.07	25.08	25.70
20	QPSK	1	99	24.88	25.04	25.25	25.18	25.07	25.70
20	QPSK	50	0	24.17	24.19	24.49	24.42	24.33	24.70
20	QPSK	50	24	24.14	24.12	24.44	24.28	24.22	24.70
20	QPSK	50	50	24.10	24.18	24.46	24.32	24.31	24.70
20	QPSK	100	0	23.18	23.16	23.49	23.29	23.36	23.70
20	16QAM	1	0	24.26	24.43	24.66	24.52	24.51	24.70
20	16QAM	1	49	24.11	24.30	24.50	24.39	24.31	24.70
20	16QAM	1	99	24.13	24.31	24.53	24.44	24.42	24.70
20	16QAM	50	0	23.13	23.22	23.51	23.42	23.36	23.70
20	16QAM	50	24	23.17	23.15	23.47	23.32	23.26	23.70
20	16QAM	50	50	23.11	23.23	23.48	23.31	23.37	23.70
20	16QAM	100	0	22.15	22.19	22.51	22.40	22.30	22.70
20	64QAM	1	0	22.96	23.12	23.34	23.25	23.17	23.70
20	64QAM	1	49	22.96	22.99	23.24	23.05	23.11	23.70
20	64QAM	1	99	22.92	22.99	23.22	23.03	23.02	23.70
20	64QAM	50	0	22.19	22.24	22.53	22.41	22.36	22.70
20	64QAM	50	24	22.15	22.19	22.48	22.30	22.31	22.70
20	64QAM	50	50	22.16	22.21	22.49	22.39	22.37	22.70
20	64QAM	100	0	21.09	21.17	21.47	21.37	21.30	21.70
20	256QAM	1	0	20.30	20.39	20.59	20.45	20.38	20.70
20	256QAM	1	49	20.15	20.20	20.50	20.40	20.38	20.70
20	256QAM	1	99	20.20	20.29	20.48	20.36	20.32	20.70
20	256QAM	50	0	20.17	20.25	20.54	20.36	20.35	20.70
20	256QAM	50	24	20.15	20.30	20.51	20.34	20.38	20.70
20	256QAM	50	50	20.23	20.32	20.50	20.33	20.42	20.70
20	256QAM	100	0	19.15	19.18	19.45	19.31	19.32	19.70
Channel				39725	40173	40620	41068	41515	25.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.91	25.07	25.30	25.26	25.19	25.70
15	QPSK	1	37	24.83	24.92	25.14	24.94	25.05	25.70
15	QPSK	1	74	24.86	25.00	25.21	25.07	25.00	25.70
15	QPSK	36	0	24.04	24.10	24.40	24.32	24.32	24.70
15	QPSK	36	20	24.04	24.11	24.42	24.18	24.07	24.70
15	QPSK	36	39	24.05	24.11	24.33	24.20	24.32	24.70
15	QPSK	75	0	23.08	23.03	23.35	23.21	23.23	23.70
15	16QAM	1	0	24.15	24.35	24.54	24.44	24.38	24.70
15	16QAM	1	37	24.08	24.21	24.42	24.37	24.25	24.70
15	16QAM	1	74	24.02	24.30	24.46	24.34	24.32	24.70
15	16QAM	36	0	23.11	23.18	23.49	23.34	23.29	23.70
15	16QAM	36	20	23.05	23.05	23.33	23.23	23.16	23.70
15	16QAM	36	39	22.98	23.10	23.39	23.22	23.23	23.70
15	16QAM	75	0	22.08	22.10	22.46	22.39	22.23	22.70
15	64QAM	1	0	22.84	22.98	23.32	23.22	23.13	23.70
15	64QAM	1	37	22.85	22.87	23.22	23.00	23.08	23.70
15	64QAM	1	74	22.82	22.92	23.19	23.00	22.94	23.70
15	64QAM	36	0	22.09	22.17	22.43	22.32	22.32	22.70
15	64QAM	36	20	22.12	22.11	22.38	22.22	22.16	22.70
15	64QAM	36	39	22.06	22.07	22.35	22.37	22.35	22.70
15	64QAM	75	0	20.94	21.14	21.34	21.30	21.24	21.70
15	256QAM	1	0	20.23	20.28	20.49	20.35	20.28	20.70
15	256QAM	1	37	20.06	20.06	20.36	20.29	20.33	20.70
15	256QAM	1	74	20.11	20.18	20.44	20.25	20.28	20.70
15	256QAM	36	0	20.10	20.16	20.43	20.25	20.28	20.70
15	256QAM	36	20	20.08	20.21	20.40	20.21	20.28	20.70
15	256QAM	36	39	20.20	20.24	20.37	20.31	20.39	20.70
15	256QAM	75	0	19.05	19.17	19.31	19.28	19.17	19.70
Channel				39700	40160	40620	41080	41540	25.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.92	25.13	25.24	25.17	25.24	25.70
10	QPSK	1	25	24.73	24.91	25.23	25.01	24.95	25.70
10	QPSK	1	49	24.79	24.93	25.13	25.05	25.05	25.70
10	QPSK	25	0	24.10	24.04	24.44	24.30	24.27	24.70
10	QPSK	25	12	24.08	24.03	24.36	24.16	24.07	24.70
10	QPSK	25	25	23.95	24.15	24.33	24.22	24.22	24.70
10	QPSK	50	0	23.14	23.09	23.44	23.18	23.29	23.70
10	16QAM	1	0	24.23	24.37	24.61	24.43	24.42	24.70
10	16QAM	1	25	24.04	24.22	24.39	24.30	24.29	24.70



10	16QAM	1	49	24.08	24.22	24.41	24.37	24.31	24.70
10	16QAM	25	0	23.01	23.10	23.37	23.29	23.30	23.70
10	16QAM	25	12	23.07	23.04	23.38	23.30	23.23	23.70
10	16QAM	25	25	23.07	23.12	23.33	23.20	23.31	23.70
10	16QAM	50	0	22.12	22.06	22.45	22.31	22.21	22.70
10	64QAM	1	0	22.88	23.07	23.20	23.18	23.03	23.70
10	64QAM	1	25	22.83	22.97	23.15	22.97	23.08	23.70
10	64QAM	1	49	22.84	22.89	23.20	22.99	23.01	23.70
10	64QAM	25	0	22.07	22.19	22.40	22.27	22.30	22.70
10	64QAM	25	12	22.00	22.12	22.34	22.22	22.22	22.70
10	64QAM	25	25	22.11	22.07	22.45	22.24	22.33	22.70
10	64QAM	50	0	21.00	21.15	21.46	21.26	21.20	21.70
10	256QAM	1	0	20.16	20.34	20.46	20.40	20.28	20.70
10	256QAM	1	25	20.02	20.09	20.40	20.26	20.24	20.70
10	256QAM	1	49	20.10	20.17	20.45	20.24	20.23	20.70
10	256QAM	25	0	20.08	20.17	20.46	20.22	20.22	20.70
10	256QAM	25	12	20.07	20.16	20.47	20.30	20.26	20.70
10	256QAM	25	25	20.09	20.30	20.41	20.19	20.40	20.70
10	256QAM	50	0	19.05	19.07	19.40	19.20	19.26	19.70
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	24.96	25.02	25.24	25.19	25.20	25.70
5	QPSK	1	12	24.71	24.93	25.12	25.03	24.98	25.70
5	QPSK	1	24	24.84	24.89	25.23	25.04	24.97	25.70
5	QPSK	12	0	24.12	24.15	24.44	24.37	24.20	24.70
5	QPSK	12	7	24.02	24.03	24.33	24.15	24.20	24.70
5	QPSK	12	13	24.01	24.05	24.34	24.21	24.23	24.70
5	QPSK	25	0	23.06	23.05	23.40	23.15	23.25	23.70
5	16QAM	1	0	24.15	24.32	24.59	24.44	24.37	24.70
5	16QAM	1	12	24.02	24.25	24.47	24.37	24.30	24.70
5	16QAM	1	24	24.11	24.24	24.41	24.39	24.40	24.70
5	16QAM	12	0	22.99	23.12	23.45	23.33	23.26	23.70
5	16QAM	12	7	23.03	23.02	23.35	23.18	23.19	23.70
5	16QAM	12	13	23.04	23.12	23.45	23.24	23.34	23.70
5	16QAM	25	0	22.03	22.10	22.47	22.30	22.25	22.70
5	64QAM	1	0	22.89	23.00	23.23	23.18	23.12	23.70
5	64QAM	1	12	22.93	22.96	23.20	23.03	23.09	23.70
5	64QAM	1	24	22.85	22.91	23.12	23.00	22.92	23.70
5	64QAM	12	0	22.06	22.17	22.45	22.30	22.34	22.70
5	64QAM	12	7	22.04	22.17	22.34	22.26	22.28	22.70
5	64QAM	12	13	22.04	22.13	22.41	22.24	22.24	22.70
5	64QAM	25	0	21.02	21.04	21.33	21.24	21.22	21.70
5	256QAM	1	0	20.19	20.30	20.55	20.43	20.28	20.70
5	256QAM	1	12	20.13	20.08	20.46	20.38	20.28	20.70
5	256QAM	1	24	20.13	20.27	20.43	20.30	20.21	20.70
5	256QAM	12	0	20.15	20.22	20.42	20.25	20.25	20.70
5	256QAM	12	7	20.11	20.19	20.38	20.20	20.30	20.70
5	256QAM	12	13	20.08	20.30	20.39	20.21	20.29	20.70
5	256QAM	25	0	19.11	19.17	19.40	19.28	19.21	19.70

【LTE Band 41__FCC (2496~2690MHz)_Ant 3_EC11】

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	19.83	19.81	19.88	19.84	19.85	20.20
20	QPSK	1	49	19.57	19.62	19.75	19.66	19.58	20.20
20	QPSK	1	99	19.48	19.52	19.66	19.56	19.52	20.20
20	QPSK	50	0	19.76	19.78	19.81	19.73	19.75	20.20
20	QPSK	50	24	19.69	19.64	19.75	19.59	19.66	20.20
20	QPSK	50	50	19.52	19.61	19.70	19.54	19.63	20.20
20	QPSK	100	0	19.70	19.66	19.78	19.70	19.62	20.20
20	16QAM	1	0	19.47	19.57	19.67	19.61	19.56	20.20
20	16QAM	1	49	19.50	19.47	19.67	19.53	19.54	20.20
20	16QAM	1	99	19.70	19.56	19.77	19.66	19.63	20.20
20	16QAM	50	0	19.52	19.52	19.70	19.54	19.55	20.20
20	16QAM	50	24	19.69	19.60	19.81	19.64	19.66	20.20
20	16QAM	50	50	19.70	19.66	19.81	19.75	19.64	20.20
20	16QAM	100	0	19.56	19.61	19.73	19.66	19.64	20.20
20	64QAM	1	0	19.72	19.68	19.81	19.66	19.67	20.20
20	64QAM	1	49	19.69	19.59	19.77	19.60	19.69	20.20



20	64QAM	1	99	19.65	19.67	19.81	19.72	19.66	20.20
20	64QAM	50	0	19.56	19.62	19.74	19.68	19.61	20.20
20	64QAM	50	24	19.62	19.61	19.74	19.67	19.59	20.20
20	64QAM	50	50	19.64	19.55	19.76	19.63	19.72	20.20
20	64QAM	100	0	19.54	19.62	19.72	19.56	19.67	20.20
20	256QAM	1	0	19.59	19.60	19.75	19.65	19.70	20.20
20	256QAM	1	49	19.49	19.50	19.66	19.55	19.51	20.20
20	256QAM	1	99	19.61	19.62	19.78	19.66	19.67	20.20
20	256QAM	50	0	19.67	19.68	19.80	19.61	19.63	20.20
20	256QAM	50	24	19.56	19.56	19.75	19.62	19.62	20.20
20	256QAM	50	50	19.49	19.56	19.66	19.58	19.56	20.20
20	256QAM	100	0	19.15	19.18	19.45	19.31	19.32	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.73	19.67	19.75	19.80	19.79	20.20
15	QPSK	1	37	19.52	19.58	19.74	19.59	19.51	20.20
15	QPSK	1	74	19.39	19.48	19.63	19.54	19.39	20.20
15	QPSK	36	0	19.63	19.65	19.77	19.61	19.62	20.20
15	QPSK	36	20	19.63	19.51	19.71	19.51	19.56	20.20
15	QPSK	36	39	19.38	19.59	19.68	19.39	19.56	20.20
15	QPSK	75	0	19.65	19.56	19.65	19.60	19.57	20.20
15	16QAM	1	0	19.36	19.45	19.60	19.54	19.42	20.20
15	16QAM	1	37	19.42	19.41	19.58	19.42	19.49	20.20
15	16QAM	1	74	19.56	19.51	19.67	19.57	19.60	20.20
15	16QAM	36	0	19.50	19.44	19.55	19.49	19.52	20.20
15	16QAM	36	20	19.68	19.52	19.71	19.59	19.53	20.20
15	16QAM	36	39	19.66	19.54	19.68	19.67	19.60	20.20
15	16QAM	75	0	19.42	19.54	19.64	19.61	19.62	20.20
15	64QAM	1	0	19.68	19.59	19.79	19.63	19.62	20.20
15	64QAM	1	37	19.56	19.55	19.67	19.49	19.62	20.20
15	64QAM	1	74	19.63	19.63	19.72	19.65	19.53	20.20
15	64QAM	36	0	19.48	19.55	19.71	19.57	19.46	20.20
15	64QAM	36	20	19.61	19.52	19.71	19.63	19.50	20.20
15	64QAM	36	39	19.60	19.50	19.72	19.51	19.64	20.20
15	64QAM	75	0	19.49	19.49	19.67	19.44	19.54	20.20
15	256QAM	1	0	19.52	19.55	19.62	19.63	19.58	20.20
15	256QAM	1	37	19.48	19.45	19.61	19.41	19.45	20.20
15	256QAM	1	74	19.55	19.61	19.75	19.51	19.65	20.20
15	256QAM	36	0	19.59	19.64	19.71	19.58	19.48	20.20
15	256QAM	36	20	19.51	19.53	19.63	19.60	19.61	20.20
15	256QAM	36	39	19.48	19.41	19.55	19.56	19.45	20.20
15	256QAM	75	0	19.04	19.08	19.41	19.27	19.21	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.76	19.72	19.84	19.70	19.81	20.20
10	QPSK	1	25	19.50	19.55	19.71	19.60	19.45	20.20
10	QPSK	1	49	19.35	19.39	19.61	19.42	19.40	20.20
10	QPSK	25	0	19.65	19.76	19.78	19.59	19.71	20.20
10	QPSK	25	12	19.60	19.60	19.65	19.45	19.53	20.20
10	QPSK	25	25	19.44	19.57	19.66	19.51	19.57	20.20
10	QPSK	50	0	19.64	19.58	19.66	19.68	19.53	20.20
10	16QAM	1	0	19.36	19.52	19.65	19.53	19.50	20.20
10	16QAM	1	25	19.43	19.39	19.53	19.46	19.40	20.20
10	16QAM	1	49	19.61	19.50	19.69	19.60	19.57	20.20
10	16QAM	25	0	19.39	19.44	19.66	19.47	19.41	20.20
10	16QAM	25	12	19.64	19.46	19.72	19.52	19.55	20.20
10	16QAM	25	25	19.67	19.64	19.67	19.65	19.58	20.20
10	16QAM	50	0	19.53	19.52	19.67	19.61	19.59	20.20
10	64QAM	1	0	19.70	19.53	19.77	19.54	19.54	20.20
10	64QAM	1	25	19.58	19.49	19.73	19.53	19.60	20.20
10	64QAM	1	49	19.58	19.54	19.75	19.60	19.54	20.20
10	64QAM	25	0	19.52	19.51	19.63	19.62	19.49	20.20
10	64QAM	25	12	19.56	19.47	19.71	19.57	19.57	20.20
10	64QAM	25	25	19.53	19.42	19.63	19.62	19.59	20.20
10	64QAM	50	0	19.44	19.48	19.66	19.54	19.54	20.20
10	256QAM	1	0	19.45	19.54	19.66	19.57	19.69	20.20
10	256QAM	1	25	19.44	19.37	19.52	19.44	19.37	20.20
10	256QAM	1	49	19.59	19.48	19.63	19.64	19.59	20.20
10	256QAM	25	0	19.57	19.60	19.74	19.57	19.53	20.20
10	256QAM	25	12	19.48	19.54	19.64	19.47	19.51	20.20
10	256QAM	25	25	19.39	19.46	19.55	19.44	19.46	20.20
10	256QAM	50	0	19.00	19.05	19.35	19.18	19.23	19.70
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	19.76	19.70	19.76	19.69	19.80	20.20



5	QPSK	1	12	19.43	19.58	19.72	19.59	19.48	20.20
5	QPSK	1	24	19.37	19.49	19.55	19.47	19.45	20.20
5	QPSK	12	0	19.67	19.70	19.76	19.68	19.71	20.20
5	QPSK	12	7	19.63	19.55	19.65	19.49	19.58	20.20
5	QPSK	12	13	19.39	19.48	19.59	19.45	19.51	20.20
5	QPSK	25	0	19.59	19.51	19.76	19.62	19.56	20.20
5	16QAM	1	0	19.45	19.54	19.62	19.50	19.52	20.20
5	16QAM	1	12	19.43	19.39	19.63	19.47	19.50	20.20
5	16QAM	1	24	19.56	19.54	19.73	19.59	19.61	20.20
5	16QAM	12	0	19.49	19.51	19.63	19.45	19.41	20.20
5	16QAM	12	7	19.63	19.56	19.68	19.59	19.57	20.20
5	16QAM	12	13	19.66	19.55	19.70	19.62	19.50	20.20
5	16QAM	25	0	19.45	19.55	19.68	19.62	19.50	20.20
5	64QAM	1	0	19.66	19.59	19.71	19.60	19.61	20.20
5	64QAM	1	12	19.61	19.55	19.69	19.52	19.65	20.20
5	64QAM	1	24	19.57	19.59	19.69	19.67	19.62	20.20
5	64QAM	12	0	19.45	19.48	19.70	19.54	19.56	20.20
5	64QAM	12	7	19.59	19.59	19.68	19.52	19.47	20.20
5	64QAM	12	13	19.56	19.43	19.71	19.52	19.57	20.20
5	64QAM	25	0	19.46	19.56	19.67	19.49	19.59	20.20
5	256QAM	1	0	19.45	19.50	19.73	19.60	19.57	20.20
5	256QAM	1	12	19.42	19.40	19.52	19.52	19.40	20.20
5	256QAM	1	24	19.52	19.59	19.74	19.64	19.62	20.20
5	256QAM	12	0	19.57	19.54	19.75	19.51	19.49	20.20
5	256QAM	12	7	19.44	19.42	19.62	19.50	19.55	20.20
5	256QAM	12	13	19.46	19.43	19.54	19.45	19.54	20.20
5	256QAM	25	0	19.11	19.11	19.31	19.28	19.20	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 3_EC13】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.79	22.81	22.83	22.76	22.82	23.20
20	QPSK	1	49	22.55	22.49	22.64	22.55	22.59	23.20
20	QPSK	1	99	22.55	22.60	22.72	22.55	22.57	23.20
20	QPSK	50	0	22.72	22.71	22.81	22.73	22.79	23.20
20	QPSK	50	24	22.58	22.65	22.75	22.64	22.73	23.20
20	QPSK	50	50	22.56	22.58	22.68	22.49	22.60	23.20
20	QPSK	100	0	22.71	22.69	22.77	22.70	22.73	23.20
20	16QAM	1	0	22.56	22.55	22.61	22.49	22.49	23.20
20	16QAM	1	49	22.51	22.49	22.64	22.43	22.52	23.20
20	16QAM	1	99	22.52	22.42	22.59	22.43	22.46	23.20
20	16QAM	50	0	22.57	22.64	22.71	22.57	22.58	23.20
20	16QAM	50	24	22.54	22.60	22.70	22.57	22.59	23.20
20	16QAM	50	50	22.48	22.45	22.61	22.43	22.46	23.20
20	16QAM	100	0	22.62	22.63	22.69	22.61	22.56	22.70
20	64QAM	1	0	22.56	22.47	22.61	22.51	22.50	23.20
20	64QAM	1	49	22.62	22.65	22.72	22.53	22.61	23.20
20	64QAM	1	99	22.53	22.60	22.64	22.55	22.50	23.20
20	64QAM	50	0	22.19	22.24	22.53	22.41	22.36	22.70
20	64QAM	50	24	22.15	22.19	22.48	22.30	22.31	22.70
20	64QAM	50	50	22.16	22.21	22.49	22.39	22.37	22.70
20	64QAM	100	0	21.09	21.17	21.47	21.37	21.30	21.70
20	256QAM	1	0	20.30	20.39	20.59	20.45	20.38	20.70
20	256QAM	1	49	20.15	20.20	20.50	20.40	20.38	20.70
20	256QAM	1	99	20.20	20.29	20.48	20.36	20.32	20.70
20	256QAM	50	0	20.17	20.25	20.54	20.36	20.35	20.70
20	256QAM	50	24	20.15	20.30	20.51	20.34	20.38	20.70
20	256QAM	50	50	20.23	20.32	20.50	20.33	20.42	20.70
20	256QAM	100	0	19.15	19.18	19.45	19.31	19.32	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.77	22.70	22.72	22.74	22.76	23.20
15	QPSK	1	37	22.49	22.35	22.51	22.42	22.51	23.20
15	QPSK	1	74	22.49	22.48	22.59	22.52	22.55	23.20
15	QPSK	36	0	22.58	22.59	22.66	22.59	22.69	23.20
15	QPSK	36	20	22.53	22.53	22.65	22.56	22.66	23.20
15	QPSK	36	39	22.44	22.47	22.66	22.40	22.55	23.20
15	QPSK	75	0	22.63	22.67	22.72	22.59	22.62	23.20
15	16QAM	1	0	22.42	22.54	22.60	22.43	22.41	23.20



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15	16QAM	1	37	22.45	22.38	22.55	22.35	22.48	23.20
15	16QAM	1	74	22.44	22.35	22.44	22.33	22.32	23.20
15	16QAM	36	0	22.51	22.55	22.61	22.42	22.55	23.20
15	16QAM	36	20	22.46	22.53	22.60	22.51	22.52	23.20
15	16QAM	36	39	22.42	22.38	22.57	22.28	22.33	23.20
15	16QAM	75	0	22.58	22.51	22.56	22.50	22.53	22.70
15	64QAM	1	0	22.44	22.41	22.56	22.38	22.37	23.20
15	64QAM	1	37	22.61	22.56	22.71	22.46	22.48	23.20
15	64QAM	1	74	22.47	22.55	22.62	22.48	22.46	23.20
15	64QAM	36	0	22.11	22.17	22.41	22.31	22.34	22.70
15	64QAM	36	20	22.06	22.05	22.46	22.19	22.29	22.70
15	64QAM	36	39	22.05	22.11	22.46	22.35	22.28	22.70
15	64QAM	75	0	21.06	21.02	21.44	21.27	21.23	21.70
15	256QAM	1	0	20.17	20.31	20.47	20.34	20.33	20.70
15	256QAM	1	37	20.10	20.14	20.46	20.28	20.35	20.70
15	256QAM	1	74	20.09	20.14	20.46	20.23	20.26	20.70
15	256QAM	36	0	20.14	20.19	20.46	20.26	20.27	20.70
15	256QAM	36	20	20.02	20.21	20.43	20.26	20.28	20.70
15	256QAM	36	39	20.22	20.25	20.44	20.32	20.29	20.70
15	256QAM	75	0	19.12	19.12	19.33	19.16	19.23	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.77	22.76	22.73	22.62	22.77	23.20
10	QPSK	1	25	22.51	22.43	22.54	22.46	22.56	23.20
10	QPSK	1	49	22.49	22.59	22.66	22.45	22.47	23.20
10	QPSK	25	0	22.67	22.68	22.67	22.69	22.64	23.20
10	QPSK	25	12	22.52	22.59	22.61	22.53	22.61	23.20
10	QPSK	25	25	22.41	22.47	22.54	22.46	22.56	23.20
10	QPSK	50	0	22.65	22.60	22.64	22.56	22.70	23.20
10	16QAM	1	0	22.42	22.46	22.48	22.35	22.36	23.20
10	16QAM	1	25	22.46	22.37	22.52	22.38	22.39	23.20
10	16QAM	1	49	22.50	22.38	22.44	22.29	22.34	23.20
10	16QAM	25	0	22.50	22.50	22.59	22.55	22.51	23.20
10	16QAM	25	12	22.40	22.53	22.60	22.44	22.45	23.20
10	16QAM	25	25	22.38	22.42	22.52	22.32	22.33	23.20
10	16QAM	50	0	22.55	22.49	22.63	22.53	22.53	22.70
10	64QAM	1	0	22.46	22.36	22.54	22.42	22.41	23.20
10	64QAM	1	25	22.58	22.52	22.66	22.45	22.58	23.20
10	64QAM	1	49	22.40	22.52	22.61	22.51	22.39	23.20
10	64QAM	25	0	22.08	22.09	22.48	22.27	22.27	22.70
10	64QAM	25	12	22.08	22.10	22.40	22.21	22.19	22.70
10	64QAM	25	25	22.05	22.10	22.38	22.36	22.28	22.70
10	64QAM	50	0	21.05	21.14	21.37	21.24	21.21	21.70
10	256QAM	1	0	20.24	20.38	20.51	20.37	20.32	20.70
10	256QAM	1	25	20.07	20.15	20.42	20.30	20.28	20.70
10	256QAM	1	49	20.05	20.25	20.46	20.23	20.26	20.70
10	256QAM	25	0	20.13	20.14	20.42	20.24	20.29	20.70
10	256QAM	25	12	20.11	20.23	20.50	20.27	20.29	20.70
10	256QAM	25	25	20.15	20.28	20.42	20.19	20.36	20.70
10	256QAM	50	0	19.11	19.06	19.32	19.21	19.25	19.70
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	22.72	22.74	22.81	22.64	22.80	23.20
5	QPSK	1	12	22.50	22.41	22.61	22.50	22.58	23.20
5	QPSK	1	24	22.44	22.45	22.65	22.46	22.45	23.20
5	QPSK	12	0	22.65	22.61	22.71	22.61	22.65	23.20
5	QPSK	12	7	22.56	22.52	22.61	22.50	22.62	23.20
5	QPSK	12	13	22.45	22.56	22.58	22.42	22.54	23.20
5	QPSK	25	0	22.63	22.62	22.69	22.57	22.63	23.20
5	16QAM	1	0	22.50	22.43	22.56	22.47	22.43	23.20
5	16QAM	1	12	22.48	22.35	22.53	22.39	22.44	23.20
5	16QAM	1	24	22.40	22.29	22.54	22.37	22.37	23.20
5	16QAM	12	0	22.42	22.56	22.61	22.42	22.52	23.20
5	16QAM	12	7	22.52	22.46	22.63	22.48	22.48	23.20
5	16QAM	12	13	22.37	22.42	22.55	22.34	22.43	23.20
5	16QAM	25	0	22.60	22.60	22.67	22.55	22.47	22.70
5	64QAM	1	0	22.49	22.43	22.46	22.49	22.39	23.20
5	64QAM	1	12	22.48	22.55	22.60	22.40	22.49	23.20
5	64QAM	1	24	22.43	22.53	22.53	22.45	22.44	23.20
5	64QAM	12	0	22.16	22.09	22.38	22.40	22.33	22.70
5	64QAM	12	7	22.04	22.10	22.40	22.21	22.21	22.70
5	64QAM	12	13	22.01	22.13	22.41	22.27	22.33	22.70
5	64QAM	25	0	21.04	21.02	21.42	21.33	21.19	21.70
5	256QAM	1	0	20.19	20.29	20.48	20.35	20.32	20.70
5	256QAM	1	12	20.05	20.06	20.49	20.26	20.24	20.70
5	256QAM	1	24	20.13	20.17	20.36	20.31	20.27	20.70



5	256QAM	12	0	20.15	20.12	20.52	20.24	20.30	20.70
5	256QAM	12	7	20.10	20.28	20.38	20.20	20.37	20.70
5	256QAM	12	13	20.21	20.22	20.36	20.23	20.37	20.70
5	256QAM	25	0	19.01	19.09	19.37	19.18	19.18	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 3_ECI4】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.05	25.14	25.34	25.29	25.26	25.70
20	QPSK	1	49	24.85	24.98	25.26	25.07	25.08	25.70
20	QPSK	1	99	24.88	25.04	25.25	25.18	25.07	25.70
20	QPSK	50	0	24.17	24.19	24.49	24.42	24.33	24.70
20	QPSK	50	24	24.14	24.12	24.44	24.28	24.22	24.70
20	QPSK	50	50	24.10	24.18	24.46	24.32	24.31	24.70
20	QPSK	100	0	23.18	23.16	23.49	23.29	23.36	23.70
20	16QAM	1	0	24.26	24.43	24.66	24.52	24.51	24.70
20	16QAM	1	49	24.11	24.30	24.50	24.39	24.31	24.70
20	16QAM	1	99	24.13	24.31	24.53	24.44	24.42	24.70
20	16QAM	50	0	23.13	23.22	23.51	23.42	23.36	23.70
20	16QAM	50	24	23.17	23.15	23.47	23.32	23.26	23.70
20	16QAM	50	50	23.11	23.23	23.48	23.31	23.37	23.70
20	16QAM	100	0	22.15	22.19	22.51	22.40	22.30	22.70
20	64QAM	1	0	22.96	23.12	23.34	23.25	23.17	23.70
20	64QAM	1	49	22.96	22.99	23.24	23.05	23.11	23.70
20	64QAM	1	99	22.92	22.99	23.22	23.03	23.02	23.70
20	64QAM	50	0	22.19	22.24	22.53	22.41	22.36	22.70
20	64QAM	50	24	22.15	22.19	22.48	22.30	22.31	22.70
20	64QAM	50	50	22.16	22.21	22.49	22.39	22.37	22.70
20	64QAM	100	0	21.09	21.17	21.47	21.37	21.30	21.70
20	256QAM	1	0	20.30	20.39	20.59	20.45	20.38	20.70
20	256QAM	1	49	20.15	20.20	20.50	20.40	20.38	20.70
20	256QAM	1	99	20.20	20.29	20.48	20.36	20.32	20.70
20	256QAM	50	0	20.17	20.25	20.54	20.36	20.35	20.70
20	256QAM	50	24	20.15	20.30	20.51	20.34	20.38	20.70
20	256QAM	50	50	20.23	20.32	20.50	20.33	20.42	20.70
20	256QAM	100	0	19.15	19.18	19.45	19.31	19.32	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.91	25.07	25.30	25.26	25.19	25.70
15	QPSK	1	37	24.83	24.92	25.14	24.94	25.05	25.70
15	QPSK	1	74	24.86	25.00	25.21	25.07	25.00	25.70
15	QPSK	36	0	24.04	24.10	24.40	24.32	24.32	24.70
15	QPSK	36	20	24.04	24.11	24.42	24.18	24.07	24.70
15	QPSK	36	39	24.05	24.11	24.33	24.20	24.32	24.70
15	QPSK	75	0	23.08	23.03	23.35	23.21	23.23	23.70
15	16QAM	1	0	24.15	24.35	24.54	24.44	24.38	24.70
15	16QAM	1	37	24.08	24.21	24.42	24.37	24.25	24.70
15	16QAM	1	74	24.02	24.30	24.46	24.34	24.32	24.70
15	16QAM	36	0	23.11	23.18	23.49	23.34	23.29	23.70
15	16QAM	36	20	23.05	23.05	23.33	23.23	23.16	23.70
15	16QAM	36	39	22.98	23.10	23.39	23.22	23.23	23.70
15	16QAM	75	0	22.08	22.10	22.46	22.39	22.23	22.70
15	64QAM	1	0	22.84	22.98	23.32	23.22	23.13	23.70
15	64QAM	1	37	22.85	22.87	23.22	23.00	23.08	23.70
15	64QAM	1	74	22.82	22.92	23.19	23.00	22.94	23.70
15	64QAM	36	0	22.09	22.17	22.43	22.32	22.32	22.70
15	64QAM	36	20	22.12	22.11	22.38	22.22	22.16	22.70
15	64QAM	36	39	22.06	22.07	22.35	22.37	22.35	22.70
15	64QAM	75	0	20.94	21.14	21.34	21.30	21.24	21.70
15	256QAM	1	0	20.23	20.28	20.49	20.35	20.28	20.70
15	256QAM	1	37	20.06	20.06	20.36	20.29	20.33	20.70
15	256QAM	1	74	20.11	20.18	20.44	20.25	20.28	20.70
15	256QAM	36	0	20.10	20.16	20.43	20.25	20.28	20.70
15	256QAM	36	20	20.08	20.21	20.40	20.21	20.28	20.70
15	256QAM	36	39	20.20	20.24	20.37	20.31	20.39	20.70
15	256QAM	75	0	19.05	19.17	19.31	19.28	19.17	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.92	25.13	25.24	25.17	25.24	25.70



10	QPSK	1	25	24.73	24.91	25.23	25.01	24.95	25.70
10	QPSK	1	49	24.79	24.93	25.13	25.05	25.05	25.70
10	QPSK	25	0	24.10	24.04	24.44	24.30	24.27	24.70
10	QPSK	25	12	24.08	24.03	24.36	24.16	24.07	24.70
10	QPSK	25	25	23.95	24.15	24.33	24.22	24.22	24.70
10	QPSK	50	0	23.14	23.09	23.44	23.18	23.29	23.70
10	16QAM	1	0	24.23	24.37	24.61	24.43	24.42	24.70
10	16QAM	1	25	24.04	24.22	24.39	24.30	24.29	24.70
10	16QAM	1	49	24.08	24.22	24.41	24.37	24.31	24.70
10	16QAM	25	0	23.01	23.10	23.37	23.29	23.30	23.70
10	16QAM	25	12	23.07	23.04	23.38	23.30	23.23	23.70
10	16QAM	25	25	23.07	23.12	23.33	23.20	23.31	23.70
10	16QAM	50	0	22.12	22.06	22.45	22.31	22.21	22.70
10	64QAM	1	0	22.88	23.07	23.20	23.18	23.03	23.70
10	64QAM	1	25	22.83	22.97	23.15	22.97	23.08	23.70
10	64QAM	1	49	22.84	22.89	23.20	22.99	23.01	23.70
10	64QAM	25	0	22.07	22.19	22.40	22.27	22.30	22.70
10	64QAM	25	12	22.00	22.12	22.34	22.22	22.22	22.70
10	64QAM	25	25	22.11	22.07	22.45	22.24	22.33	22.70
10	64QAM	50	0	21.00	21.15	21.46	21.26	21.20	21.70
10	256QAM	1	0	20.16	20.34	20.46	20.40	20.28	20.70
10	256QAM	1	25	20.02	20.09	20.40	20.26	20.24	20.70
10	256QAM	1	49	20.10	20.17	20.45	20.24	20.23	20.70
10	256QAM	25	0	20.08	20.17	20.46	20.22	20.22	20.70
10	256QAM	25	12	20.07	20.16	20.47	20.30	20.26	20.70
10	256QAM	25	25	20.09	20.30	20.41	20.19	20.40	20.70
10	256QAM	50	0	19.05	19.07	19.40	19.20	19.26	19.70
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	24.96	25.02	25.24	25.19	25.20	25.70
5	QPSK	1	12	24.71	24.93	25.12	25.03	24.98	25.70
5	QPSK	1	24	24.84	24.89	25.23	25.04	24.97	25.70
5	QPSK	12	0	24.12	24.15	24.44	24.37	24.20	24.70
5	QPSK	12	7	24.02	24.03	24.33	24.15	24.20	24.70
5	QPSK	12	13	24.01	24.05	24.34	24.21	24.23	24.70
5	QPSK	25	0	23.06	23.05	23.40	23.15	23.25	23.70
5	16QAM	1	0	24.15	24.32	24.59	24.44	24.37	24.70
5	16QAM	1	12	24.02	24.25	24.47	24.37	24.30	24.70
5	16QAM	1	24	24.11	24.24	24.41	24.39	24.40	24.70
5	16QAM	12	0	22.99	23.12	23.45	23.33	23.26	23.70
5	16QAM	12	7	23.03	23.02	23.35	23.18	23.19	23.70
5	16QAM	12	13	23.04	23.12	23.45	23.24	23.34	23.70
5	16QAM	25	0	22.03	22.10	22.47	22.30	22.25	22.70
5	64QAM	1	0	22.89	23.00	23.23	23.18	23.12	23.70
5	64QAM	1	12	22.93	22.96	23.20	23.03	23.09	23.70
5	64QAM	1	24	22.85	22.91	23.12	23.00	22.92	23.70
5	64QAM	12	0	22.06	22.17	22.45	22.30	22.34	22.70
5	64QAM	12	7	22.04	22.17	22.34	22.26	22.28	22.70
5	64QAM	12	13	22.04	22.13	22.41	22.24	22.24	22.70
5	64QAM	25	0	21.02	21.04	21.33	21.24	21.22	21.70
5	256QAM	1	0	20.19	20.30	20.55	20.43	20.28	20.70
5	256QAM	1	12	20.13	20.08	20.46	20.38	20.28	20.70
5	256QAM	1	24	20.13	20.27	20.43	20.30	20.21	20.70
5	256QAM	12	0	20.15	20.22	20.42	20.25	20.25	20.70
5	256QAM	12	7	20.11	20.19	20.38	20.20	20.30	20.70
5	256QAM	12	13	20.08	20.30	20.39	20.21	20.29	20.70
5	256QAM	25	0	19.11	19.17	19.40	19.28	19.21	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 3_EC15】

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	19.83	19.81	19.88	19.84	19.85	20.20
20	QPSK	1	49	19.57	19.62	19.75	19.66	19.58	20.20
20	QPSK	1	99	19.48	19.52	19.66	19.56	19.52	20.20
20	QPSK	50	0	19.76	19.78	19.81	19.73	19.75	20.20
20	QPSK	50	24	19.69	19.64	19.75	19.59	19.66	20.20
20	QPSK	50	50	19.52	19.61	19.70	19.54	19.63	20.20
20	QPSK	100	0	19.70	19.66	19.78	19.70	19.62	20.20
20	16QAM	1	0	19.47	19.57	19.67	19.61	19.56	20.20



20	16QAM	1	49	19.50	19.47	19.67	19.53	19.54	20.20
20	16QAM	1	99	19.70	19.56	19.77	19.66	19.63	20.20
20	16QAM	50	0	19.52	19.52	19.70	19.54	19.55	20.20
20	16QAM	50	24	19.69	19.60	19.81	19.64	19.66	20.20
20	16QAM	50	50	19.70	19.66	19.81	19.75	19.64	20.20
20	16QAM	100	0	19.56	19.61	19.73	19.66	19.64	20.20
20	64QAM	1	0	19.72	19.68	19.81	19.66	19.67	20.20
20	64QAM	1	49	19.69	19.59	19.77	19.60	19.69	20.20
20	64QAM	1	99	19.65	19.67	19.81	19.72	19.66	20.20
20	64QAM	50	0	19.56	19.62	19.74	19.68	19.61	20.20
20	64QAM	50	24	19.62	19.61	19.74	19.67	19.59	20.20
20	64QAM	50	50	19.64	19.55	19.76	19.63	19.72	20.20
20	64QAM	100	0	19.54	19.62	19.72	19.56	19.67	20.20
20	256QAM	1	0	19.59	19.60	19.75	19.65	19.70	20.20
20	256QAM	1	49	19.49	19.50	19.66	19.55	19.51	20.20
20	256QAM	1	99	19.61	19.62	19.78	19.66	19.67	20.20
20	256QAM	50	0	19.67	19.68	19.80	19.61	19.63	20.20
20	256QAM	50	24	19.56	19.56	19.75	19.62	19.62	20.20
20	256QAM	50	50	19.49	19.56	19.66	19.58	19.56	20.20
20	256QAM	100	0	19.15	19.18	19.45	19.31	19.32	19.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.73	19.67	19.75	19.80	19.79	20.20
15	QPSK	1	37	19.52	19.58	19.74	19.59	19.51	20.20
15	QPSK	1	74	19.39	19.48	19.63	19.54	19.39	20.20
15	QPSK	36	0	19.63	19.65	19.77	19.61	19.62	20.20
15	QPSK	36	20	19.63	19.51	19.71	19.51	19.56	20.20
15	QPSK	36	39	19.38	19.59	19.68	19.39	19.56	20.20
15	QPSK	75	0	19.65	19.56	19.65	19.60	19.57	20.20
15	16QAM	1	0	19.36	19.45	19.60	19.54	19.42	20.20
15	16QAM	1	37	19.42	19.41	19.58	19.42	19.49	20.20
15	16QAM	1	74	19.56	19.51	19.67	19.57	19.60	20.20
15	16QAM	36	0	19.50	19.44	19.55	19.49	19.52	20.20
15	16QAM	36	20	19.68	19.52	19.71	19.59	19.53	20.20
15	16QAM	36	39	19.66	19.54	19.68	19.67	19.60	20.20
15	16QAM	75	0	19.42	19.54	19.64	19.61	19.62	20.20
15	64QAM	1	0	19.68	19.59	19.79	19.63	19.62	20.20
15	64QAM	1	37	19.56	19.55	19.67	19.49	19.62	20.20
15	64QAM	1	74	19.63	19.63	19.72	19.65	19.53	20.20
15	64QAM	36	0	19.48	19.55	19.71	19.57	19.46	20.20
15	64QAM	36	20	19.61	19.52	19.71	19.63	19.50	20.20
15	64QAM	36	39	19.60	19.50	19.72	19.51	19.64	20.20
15	64QAM	75	0	19.49	19.49	19.67	19.44	19.54	20.20
15	256QAM	1	0	19.52	19.55	19.62	19.63	19.58	20.20
15	256QAM	1	37	19.48	19.45	19.61	19.41	19.45	20.20
15	256QAM	1	74	19.55	19.61	19.75	19.51	19.65	20.20
15	256QAM	36	0	19.59	19.64	19.71	19.58	19.48	20.20
15	256QAM	36	20	19.51	19.53	19.63	19.60	19.61	20.20
15	256QAM	36	39	19.48	19.41	19.55	19.56	19.45	20.20
15	256QAM	75	0	19.04	19.08	19.41	19.27	19.21	19.70
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.76	19.72	19.84	19.70	19.81	20.20
10	QPSK	1	25	19.50	19.55	19.71	19.60	19.45	20.20
10	QPSK	1	49	19.35	19.39	19.61	19.42	19.40	20.20
10	QPSK	25	0	19.65	19.76	19.78	19.59	19.71	20.20
10	QPSK	25	12	19.60	19.60	19.65	19.45	19.53	20.20
10	QPSK	25	25	19.44	19.57	19.66	19.51	19.57	20.20
10	QPSK	50	0	19.64	19.58	19.66	19.68	19.53	20.20
10	16QAM	1	0	19.36	19.52	19.65	19.53	19.50	20.20
10	16QAM	1	25	19.43	19.39	19.53	19.46	19.40	20.20
10	16QAM	1	49	19.61	19.50	19.69	19.60	19.57	20.20
10	16QAM	25	0	19.39	19.44	19.66	19.47	19.41	20.20
10	16QAM	25	12	19.64	19.46	19.72	19.52	19.55	20.20
10	16QAM	25	25	19.67	19.64	19.67	19.65	19.58	20.20
10	16QAM	50	0	19.53	19.52	19.67	19.61	19.59	20.20
10	64QAM	1	0	19.70	19.53	19.77	19.54	19.54	20.20
10	64QAM	1	25	19.58	19.49	19.73	19.53	19.60	20.20
10	64QAM	1	49	19.58	19.54	19.75	19.60	19.54	20.20
10	64QAM	25	0	19.52	19.51	19.63	19.62	19.49	20.20
10	64QAM	25	12	19.56	19.47	19.71	19.57	19.57	20.20
10	64QAM	25	25	19.53	19.42	19.63	19.62	19.59	20.20
10	64QAM	50	0	19.44	19.48	19.66	19.54	19.54	20.20
10	256QAM	1	0	19.45	19.54	19.66	19.57	19.69	20.20
10	256QAM	1	25	19.44	19.37	19.52	19.44	19.37	20.20
10	256QAM	1	49	19.59	19.48	19.63	19.64	19.59	20.20



10	256QAM	25	0	19.57	19.60	19.74	19.57	19.53	20.20
10	256QAM	25	12	19.48	19.54	19.64	19.47	19.51	20.20
10	256QAM	25	25	19.39	19.46	19.55	19.44	19.46	20.20
10	256QAM	50	0	19.00	19.05	19.35	19.18	19.23	19.70
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	19.76	19.70	19.76	19.69	19.80	20.20
5	QPSK	1	12	19.43	19.58	19.72	19.59	19.48	20.20
5	QPSK	1	24	19.37	19.49	19.55	19.47	19.45	20.20
5	QPSK	12	0	19.67	19.70	19.76	19.68	19.71	20.20
5	QPSK	12	7	19.63	19.55	19.65	19.49	19.58	20.20
5	QPSK	12	13	19.39	19.48	19.59	19.45	19.51	20.20
5	QPSK	25	0	19.59	19.51	19.76	19.62	19.56	20.20
5	16QAM	1	0	19.45	19.54	19.62	19.50	19.52	20.20
5	16QAM	1	12	19.43	19.39	19.63	19.47	19.50	20.20
5	16QAM	1	24	19.56	19.54	19.73	19.59	19.61	20.20
5	16QAM	12	0	19.49	19.51	19.63	19.45	19.41	20.20
5	16QAM	12	7	19.63	19.56	19.68	19.59	19.57	20.20
5	16QAM	12	13	19.66	19.55	19.70	19.62	19.50	20.20
5	16QAM	25	0	19.45	19.55	19.68	19.62	19.50	20.20
5	64QAM	1	0	19.66	19.59	19.71	19.60	19.61	20.20
5	64QAM	1	12	19.61	19.55	19.69	19.52	19.65	20.20
5	64QAM	1	24	19.57	19.59	19.69	19.67	19.62	20.20
5	64QAM	12	0	19.45	19.48	19.70	19.54	19.56	20.20
5	64QAM	12	7	19.59	19.59	19.68	19.52	19.47	20.20
5	64QAM	12	13	19.56	19.43	19.71	19.52	19.57	20.20
5	64QAM	25	0	19.46	19.56	19.67	19.49	19.59	20.20
5	256QAM	1	0	19.45	19.50	19.73	19.60	19.57	20.20
5	256QAM	1	12	19.42	19.40	19.52	19.52	19.40	20.20
5	256QAM	1	24	19.52	19.59	19.74	19.64	19.62	20.20
5	256QAM	12	0	19.57	19.54	19.75	19.51	19.49	20.20
5	256QAM	12	7	19.44	19.42	19.62	19.50	19.55	20.20
5	256QAM	12	13	19.46	19.43	19.54	19.45	19.54	20.20
5	256QAM	25	0	19.11	19.11	19.31	19.28	19.20	19.70

【LTE Band 41_FCC (2496~2690MHz)_Ant 4_Default】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.49	24.30	24.57	24.29	24.55	25.50
20	QPSK	1	49	24.29	24.10	24.46	24.16	24.37	25.50
20	QPSK	1	99	24.26	24.08	24.39	24.01	24.24	25.50
20	QPSK	50	0	23.50	23.45	23.73	23.36	23.67	24.50
20	QPSK	50	24	23.47	23.36	23.65	23.31	23.55	24.50
20	QPSK	50	50	23.47	23.21	23.60	23.27	23.49	24.50
20	QPSK	100	0	22.43	22.38	22.65	22.27	22.56	23.50
20	16QAM	1	0	23.86	23.66	23.96	23.66	23.89	24.50
20	16QAM	1	49	23.71	23.45	23.82	23.44	23.75	24.50
20	16QAM	1	99	23.62	23.39	23.76	23.36	23.63	24.50
20	16QAM	50	0	22.53	22.34	22.72	22.41	22.59	23.50
20	16QAM	50	24	22.46	22.39	22.67	22.35	22.57	23.50
20	16QAM	50	50	22.46	22.24	22.61	22.22	22.48	23.50
20	16QAM	100	0	21.53	21.44	21.69	21.35	21.58	22.50
20	64QAM	1	0	22.25	22.15	22.42	22.09	22.34	23.50
20	64QAM	1	49	22.15	22.05	22.31	21.91	22.18	23.50
20	64QAM	1	99	22.15	21.93	22.25	21.86	22.17	23.50
20	64QAM	50	0	21.60	21.43	21.72	21.43	21.56	22.50
20	64QAM	50	24	21.56	21.39	21.66	21.31	21.57	22.50
20	64QAM	50	50	21.50	21.27	21.62	21.29	21.57	22.50
20	64QAM	100	0	20.51	20.41	20.65	20.29	20.51	21.50
20	256QAM	1	0	19.69	19.47	19.81	19.52	19.77	20.50
20	256QAM	1	49	19.60	19.35	19.70	19.45	19.63	20.50
20	256QAM	1	99	19.45	19.40	19.64	19.28	19.51	20.50
20	256QAM	50	0	19.57	19.48	19.75	19.44	19.66	20.50
20	256QAM	50	24	19.55	19.48	19.71	19.36	19.63	20.50
20	256QAM	50	50	19.48	19.42	19.67	19.43	19.54	20.50
20	256QAM	100	0	18.54	18.36	18.65	18.36	18.57	19.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.47	24.23	24.54	24.20	24.52	25.50



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15	QPSK	1	37	24.22	23.97	24.43	24.15	24.22	25.50
15	QPSK	1	74	24.22	24.05	24.29	23.89	24.15	25.50
15	QPSK	36	0	23.41	23.38	23.70	23.30	23.65	24.50
15	QPSK	36	20	23.45	23.23	23.62	23.28	23.43	24.50
15	QPSK	36	39	23.45	23.18	23.58	23.13	23.39	24.50
15	QPSK	75	0	22.38	22.27	22.54	22.14	22.43	23.50
15	16QAM	1	0	23.80	23.57	23.93	23.58	23.84	24.50
15	16QAM	1	37	23.57	23.38	23.76	23.42	23.61	24.50
15	16QAM	1	74	23.50	23.34	23.66	23.25	23.52	24.50
15	16QAM	36	0	22.46	22.21	22.70	22.33	22.55	23.50
15	16QAM	36	20	22.35	22.30	22.66	22.23	22.54	23.50
15	16QAM	36	39	22.34	22.20	22.58	22.12	22.44	23.50
15	16QAM	75	0	21.51	21.41	21.54	21.25	21.56	22.50
15	64QAM	1	0	22.15	22.07	22.41	21.99	22.30	23.50
15	64QAM	1	37	22.10	22.00	22.24	21.78	22.15	23.50
15	64QAM	1	74	22.13	21.84	22.12	21.76	22.13	23.50
15	64QAM	36	0	21.51	21.38	21.59	21.42	21.53	22.50
15	64QAM	36	20	21.47	21.27	21.53	21.22	21.45	22.50
15	64QAM	36	39	21.46	21.21	21.53	21.19	21.48	22.50
15	64QAM	75	0	20.47	20.39	20.59	20.15	20.48	21.50
15	256QAM	1	0	19.67	19.45	19.73	19.42	19.70	20.50
15	256QAM	1	37	19.59	19.32	19.61	19.32	19.56	20.50
15	256QAM	1	74	19.39	19.36	19.56	19.16	19.46	20.50
15	256QAM	36	0	19.43	19.43	19.62	19.33	19.57	20.50
15	256QAM	36	20	19.50	19.35	19.66	19.26	19.55	20.50
15	256QAM	36	39	19.33	19.39	19.54	19.39	19.43	20.50
15	256QAM	75	0	18.45	18.22	18.54	18.26	18.55	19.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.35	24.23	24.45	24.19	24.53	25.50
10	QPSK	1	25	24.27	23.98	24.41	24.04	24.31	25.50
10	QPSK	1	49	24.12	23.96	24.33	23.93	24.17	25.50
10	QPSK	25	0	23.37	23.41	23.61	23.27	23.54	24.50
10	QPSK	25	12	23.34	23.31	23.55	23.25	23.46	24.50
10	QPSK	25	25	23.43	23.18	23.59	23.13	23.42	24.50
10	QPSK	50	0	22.29	22.33	22.51	22.22	22.54	23.50
10	16QAM	1	0	23.72	23.57	23.83	23.56	23.81	24.50
10	16QAM	1	25	23.62	23.37	23.77	23.31	23.61	24.50
10	16QAM	1	49	23.57	23.30	23.66	23.21	23.56	24.50
10	16QAM	25	0	22.49	22.27	22.60	22.39	22.51	23.50
10	16QAM	25	12	22.31	22.35	22.54	22.24	22.43	23.50
10	16QAM	25	25	22.36	22.16	22.58	22.13	22.37	23.50
10	16QAM	50	0	21.41	21.41	21.57	21.22	21.48	22.50
10	64QAM	1	0	22.14	22.09	22.37	22.07	22.29	23.50
10	64QAM	1	25	22.14	21.91	22.30	21.88	22.17	23.50
10	64QAM	1	49	22.07	21.91	22.16	21.85	22.14	23.50
10	64QAM	25	0	21.46	21.37	21.68	21.39	21.43	22.50
10	64QAM	25	12	21.42	21.33	21.53	21.23	21.50	22.50
10	64QAM	25	25	21.40	21.15	21.49	21.19	21.48	22.50
10	64QAM	50	0	20.41	20.33	20.56	20.18	20.37	21.50
10	256QAM	1	0	19.58	19.45	19.69	19.44	19.65	20.50
10	256QAM	1	25	19.58	19.29	19.57	19.41	19.51	20.50
10	256QAM	1	49	19.31	19.28	19.53	19.16	19.42	20.50
10	256QAM	25	0	19.49	19.39	19.64	19.42	19.63	20.50
10	256QAM	25	12	19.44	19.40	19.57	19.26	19.50	20.50
10	256QAM	25	25	19.41	19.28	19.59	19.38	19.45	20.50
10	256QAM	50	0	18.47	18.24	18.60	18.27	18.47	19.50
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	24.41	24.22	24.47	24.25	24.44	25.50
5	QPSK	1	12	24.26	23.96	24.36	24.14	24.35	25.50
5	QPSK	1	24	24.13	24.01	24.28	23.88	24.17	25.50
5	QPSK	12	0	23.44	23.35	23.68	23.24	23.53	24.50
5	QPSK	12	7	23.37	23.35	23.52	23.27	23.42	24.50
5	QPSK	12	13	23.39	23.16	23.48	23.26	23.47	24.50
5	QPSK	25	0	22.36	22.36	22.55	22.16	22.46	23.50
5	16QAM	1	0	23.71	23.58	23.81	23.64	23.84	24.50
5	16QAM	1	12	23.57	23.37	23.71	23.39	23.67	24.50
5	16QAM	1	24	23.59	23.25	23.63	23.26	23.61	24.50
5	16QAM	12	0	22.43	22.21	22.59	22.35	22.50	23.50
5	16QAM	12	7	22.32	22.29	22.56	22.33	22.49	23.50
5	16QAM	12	13	22.33	22.15	22.55	22.17	22.34	23.50
5	16QAM	25	0	21.41	21.32	21.61	21.27	21.47	22.50
5	64QAM	1	0	22.23	22.04	22.29	22.05	22.24	23.50
5	64QAM	1	12	22.05	21.92	22.25	21.85	22.07	23.50
5	64QAM	1	24	22.04	21.79	22.11	21.73	22.05	23.50



5	64QAM	12	0	21.52	21.38	21.65	21.30	21.43	22.50
5	64QAM	12	7	21.50	21.34	21.62	21.22	21.42	22.50
5	64QAM	12	13	21.49	21.24	21.50	21.21	21.46	22.50
5	64QAM	25	0	20.37	20.36	20.63	20.18	20.37	21.50
5	256QAM	1	0	19.60	19.44	19.77	19.40	19.76	20.50
5	256QAM	1	12	19.58	19.26	19.56	19.34	19.59	20.50
5	256QAM	1	24	19.44	19.36	19.56	19.20	19.46	20.50
5	256QAM	12	0	19.54	19.42	19.63	19.35	19.55	20.50
5	256QAM	12	7	19.54	19.42	19.63	19.29	19.54	20.50
5	256QAM	12	13	19.38	19.31	19.60	19.34	19.47	20.50
5	256QAM	25	0	18.47	18.26	18.51	18.29	18.53	19.50

【LTE Band 41__FCC (2496~2690MHz)_Ant 4_EC1】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.49	24.30	24.57	24.29	24.55	25.50
20	QPSK	1	49	24.29	24.10	24.46	24.16	24.37	25.50
20	QPSK	1	99	24.26	24.08	24.39	24.01	24.24	25.50
20	QPSK	50	0	23.50	23.45	23.73	23.36	23.67	24.50
20	QPSK	50	24	23.47	23.36	23.65	23.31	23.55	24.50
20	QPSK	50	50	23.47	23.21	23.60	23.27	23.49	24.50
20	QPSK	100	0	22.43	22.38	22.65	22.27	22.56	23.50
20	16QAM	1	0	23.86	23.66	23.96	23.66	23.89	24.50
20	16QAM	1	49	23.71	23.45	23.82	23.44	23.75	24.50
20	16QAM	1	99	23.62	23.39	23.76	23.36	23.63	24.50
20	16QAM	50	0	22.53	22.34	22.72	22.41	22.59	23.50
20	16QAM	50	24	22.46	22.39	22.67	22.35	22.57	23.50
20	16QAM	50	50	22.46	22.24	22.61	22.22	22.48	23.50
20	16QAM	100	0	21.53	21.44	21.69	21.35	21.58	22.50
20	64QAM	1	0	22.25	22.15	22.42	22.09	22.34	23.50
20	64QAM	1	49	22.15	22.05	22.31	21.91	22.18	23.50
20	64QAM	1	99	22.15	21.93	22.25	21.86	22.17	23.50
20	64QAM	50	0	21.60	21.43	21.72	21.43	21.56	22.50
20	64QAM	50	24	21.56	21.39	21.66	21.31	21.57	22.50
20	64QAM	50	50	21.50	21.27	21.62	21.29	21.57	22.50
20	64QAM	100	0	20.51	20.41	20.65	20.29	20.51	21.50
20	256QAM	1	0	19.69	19.47	19.81	19.52	19.77	20.50
20	256QAM	1	49	19.60	19.35	19.70	19.45	19.63	20.50
20	256QAM	1	99	19.45	19.40	19.64	19.28	19.51	20.50
20	256QAM	50	0	19.57	19.48	19.75	19.44	19.66	20.50
20	256QAM	50	24	19.55	19.48	19.71	19.36	19.63	20.50
20	256QAM	50	50	19.48	19.42	19.67	19.43	19.54	20.50
20	256QAM	100	0	18.54	18.36	18.65	18.36	18.57	19.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.47	24.23	24.54	24.20	24.52	25.50
15	QPSK	1	37	24.22	23.97	24.43	24.15	24.22	25.50
15	QPSK	1	74	24.22	24.05	24.29	23.89	24.15	25.50
15	QPSK	36	0	23.41	23.38	23.70	23.30	23.65	24.50
15	QPSK	36	20	23.45	23.23	23.62	23.28	23.43	24.50
15	QPSK	36	39	23.45	23.18	23.58	23.13	23.39	24.50
15	QPSK	75	0	22.38	22.27	22.54	22.14	22.43	23.50
15	16QAM	1	0	23.80	23.57	23.93	23.58	23.84	24.50
15	16QAM	1	37	23.57	23.38	23.76	23.42	23.61	24.50
15	16QAM	1	74	23.50	23.34	23.66	23.25	23.52	24.50
15	16QAM	36	0	22.46	22.21	22.70	22.33	22.55	23.50
15	16QAM	36	20	22.35	22.30	22.66	22.23	22.54	23.50
15	16QAM	36	39	22.34	22.20	22.58	22.12	22.44	23.50
15	16QAM	75	0	21.51	21.41	21.54	21.25	21.56	22.50
15	64QAM	1	0	22.15	22.07	22.41	21.99	22.30	23.50
15	64QAM	1	37	22.10	22.00	22.24	21.78	22.15	23.50
15	64QAM	1	74	22.13	21.84	22.12	21.76	22.13	23.50
15	64QAM	36	0	21.51	21.38	21.59	21.42	21.53	22.50
15	64QAM	36	20	21.47	21.27	21.53	21.22	21.45	22.50
15	64QAM	36	39	21.46	21.21	21.53	21.19	21.48	22.50
15	64QAM	75	0	20.47	20.39	20.59	20.15	20.48	21.50
15	256QAM	1	0	19.67	19.45	19.73	19.42	19.70	20.50
15	256QAM	1	37	19.59	19.32	19.61	19.32	19.56	20.50
15	256QAM	1	74	19.39	19.36	19.56	19.16	19.46	20.50



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15	256QAM	36	0	19.43	19.43	19.62	19.33	19.57	20.50
15	256QAM	36	20	19.50	19.35	19.66	19.26	19.55	20.50
15	256QAM	36	39	19.33	19.39	19.54	19.39	19.43	20.50
15	256QAM	75	0	18.45	18.22	18.54	18.26	18.55	19.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.35	24.23	24.45	24.19	24.53	25.50
10	QPSK	1	25	24.27	23.98	24.41	24.04	24.31	25.50
10	QPSK	1	49	24.12	23.96	24.33	23.93	24.17	25.50
10	QPSK	25	0	23.37	23.41	23.61	23.27	23.54	24.50
10	QPSK	25	12	23.34	23.31	23.55	23.25	23.46	24.50
10	QPSK	25	25	23.43	23.18	23.59	23.13	23.42	24.50
10	QPSK	50	0	22.29	22.33	22.51	22.22	22.54	23.50
10	16QAM	1	0	23.72	23.57	23.83	23.56	23.81	24.50
10	16QAM	1	25	23.62	23.37	23.77	23.31	23.61	24.50
10	16QAM	1	49	23.57	23.30	23.66	23.21	23.56	24.50
10	16QAM	25	0	22.49	22.27	22.60	22.39	22.51	23.50
10	16QAM	25	12	22.31	22.35	22.54	22.24	22.43	23.50
10	16QAM	25	25	22.36	22.16	22.58	22.13	22.37	23.50
10	16QAM	50	0	21.41	21.41	21.57	21.22	21.48	22.50
10	64QAM	1	0	22.14	22.09	22.37	22.07	22.29	23.50
10	64QAM	1	25	22.14	21.91	22.30	21.88	22.17	23.50
10	64QAM	1	49	22.07	21.91	22.16	21.85	22.14	23.50
10	64QAM	25	0	21.46	21.37	21.68	21.39	21.43	22.50
10	64QAM	25	12	21.42	21.33	21.53	21.23	21.50	22.50
10	64QAM	25	25	21.40	21.15	21.49	21.19	21.48	22.50
10	64QAM	50	0	20.41	20.33	20.56	20.18	20.37	21.50
10	256QAM	1	0	19.58	19.45	19.69	19.44	19.65	20.50
10	256QAM	1	25	19.58	19.29	19.57	19.41	19.51	20.50
10	256QAM	1	49	19.31	19.28	19.53	19.16	19.42	20.50
10	256QAM	25	0	19.49	19.39	19.64	19.42	19.63	20.50
10	256QAM	25	12	19.44	19.40	19.57	19.26	19.50	20.50
10	256QAM	25	25	19.41	19.28	19.59	19.38	19.45	20.50
10	256QAM	50	0	18.47	18.24	18.60	18.27	18.47	19.50
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	24.41	24.22	24.47	24.25	24.44	25.50
5	QPSK	1	12	24.26	23.96	24.36	24.14	24.35	25.50
5	QPSK	1	24	24.13	24.01	24.28	23.88	24.17	25.50
5	QPSK	12	0	23.44	23.35	23.68	23.24	23.53	24.50
5	QPSK	12	7	23.37	23.35	23.52	23.27	23.42	24.50
5	QPSK	12	13	23.39	23.16	23.48	23.26	23.47	24.50
5	QPSK	25	0	22.36	22.36	22.55	22.16	22.46	23.50
5	16QAM	1	0	23.71	23.58	23.81	23.64	23.84	24.50
5	16QAM	1	12	23.57	23.37	23.71	23.39	23.67	24.50
5	16QAM	1	24	23.59	23.25	23.63	23.26	23.61	24.50
5	16QAM	12	0	22.43	22.21	22.59	22.35	22.50	23.50
5	16QAM	12	7	22.32	22.29	22.56	22.33	22.49	23.50
5	16QAM	12	13	22.33	22.15	22.55	22.17	22.34	23.50
5	16QAM	25	0	21.41	21.32	21.61	21.27	21.47	22.50
5	64QAM	1	0	22.23	22.04	22.29	22.05	22.24	23.50
5	64QAM	1	12	22.05	21.92	22.25	21.85	22.07	23.50
5	64QAM	1	24	22.04	21.79	22.11	21.73	22.05	23.50
5	64QAM	12	0	21.52	21.38	21.65	21.30	21.43	22.50
5	64QAM	12	7	21.50	21.34	21.62	21.22	21.42	22.50
5	64QAM	12	13	21.49	21.24	21.50	21.21	21.46	22.50
5	64QAM	25	0	20.37	20.36	20.63	20.18	20.37	21.50
5	256QAM	1	0	19.60	19.44	19.77	19.40	19.76	20.50
5	256QAM	1	12	19.58	19.26	19.56	19.34	19.59	20.50
5	256QAM	1	24	19.44	19.36	19.56	19.20	19.46	20.50
5	256QAM	12	0	19.54	19.42	19.63	19.35	19.55	20.50
5	256QAM	12	7	19.54	19.42	19.63	19.29	19.54	20.50
5	256QAM	12	13	19.38	19.31	19.60	19.34	19.47	20.50
5	256QAM	25	0	18.47	18.26	18.51	18.29	18.53	19.50

**【LTE Band 41__FCC (2496~2690MHz)_Ant 4_ECI3】**

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	22.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.98	20.93	21.05	21.00	20.96	22.00
20	QPSK	1	49	20.87	20.79	20.99	20.84	20.82	22.00
20	QPSK	1	99	20.81	20.79	20.93	20.86	20.72	22.00
20	QPSK	50	0	20.87	20.82	21.00	20.86	20.84	22.00
20	QPSK	50	24	20.81	20.69	20.95	20.85	20.77	22.00
20	QPSK	50	50	20.83	20.67	20.91	20.79	20.80	22.00
20	QPSK	100	0	20.79	20.72	20.99	20.83	20.87	22.00
20	16QAM	1	0	20.81	20.70	20.96	20.87	20.72	22.00
20	16QAM	1	49	20.71	20.76	20.92	20.77	20.72	22.00
20	16QAM	1	99	20.66	20.69	20.86	20.73	20.69	22.00
20	16QAM	50	0	20.76	20.74	20.89	20.76	20.74	22.00
20	16QAM	50	24	20.69	20.72	20.85	20.71	20.71	22.00
20	16QAM	50	50	20.70	20.61	20.84	20.76	20.70	22.00
20	16QAM	100	0	20.69	20.65	20.88	20.69	20.64	22.00
20	64QAM	1	0	20.77	20.84	20.98	20.92	20.83	22.00
20	64QAM	1	49	20.78	20.64	20.90	20.82	20.78	22.00
20	64QAM	1	99	20.74	20.64	20.88	20.77	20.65	22.00
20	64QAM	50	0	20.60	20.64	20.78	20.61	20.59	22.00
20	64QAM	50	24	20.67	20.65	20.82	20.74	20.67	22.00
20	64QAM	50	50	20.70	20.67	20.85	20.78	20.74	22.00
20	64QAM	100	0	20.36	20.40	20.56	20.39	20.33	21.50
20	256QAM	1	0	19.33	19.29	19.52	19.45	19.29	20.50
20	256QAM	1	49	19.30	19.33	19.48	19.36	19.25	20.50
20	256QAM	1	99	19.45	19.28	19.53	19.45	19.34	20.50
20	256QAM	50	0	19.30	19.32	19.50	19.35	19.27	20.50
20	256QAM	50	24	19.34	19.23	19.45	19.33	19.30	20.50
20	256QAM	50	50	19.32	19.26	19.43	19.34	19.31	20.50
20	256QAM	100	0	18.36	18.31	18.52	18.44	18.39	19.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.88	20.91	20.99	20.91	20.84	22.00
15	QPSK	1	37	20.81	20.69	20.92	20.78	20.77	22.00
15	QPSK	1	74	20.72	20.75	20.80	20.72	20.69	22.00
15	QPSK	36	0	20.78	20.68	20.87	20.84	20.76	22.00
15	QPSK	36	20	20.79	20.66	20.81	20.70	20.75	22.00
15	QPSK	36	39	20.77	20.57	20.82	20.78	20.68	22.00
15	QPSK	75	0	20.69	20.67	20.89	20.73	20.82	22.00
15	16QAM	1	0	20.76	20.66	20.83	20.82	20.61	22.00
15	16QAM	1	37	20.65	20.65	20.83	20.65	20.69	22.00
15	16QAM	1	74	20.61	20.61	20.71	20.65	20.55	22.00
15	16QAM	36	0	20.62	20.70	20.82	20.73	20.62	22.00
15	16QAM	36	20	20.68	20.60	20.72	20.60	20.65	22.00
15	16QAM	36	39	20.58	20.52	20.76	20.68	20.61	22.00
15	16QAM	75	0	20.54	20.51	20.79	20.60	20.50	22.00
15	64QAM	1	0	20.66	20.82	20.90	20.88	20.81	22.00
15	64QAM	1	37	20.63	20.61	20.75	20.71	20.71	22.00
15	64QAM	1	74	20.64	20.63	20.78	20.71	20.58	22.00
15	64QAM	36	0	20.49	20.61	20.69	20.55	20.58	22.00
15	64QAM	36	20	20.54	20.52	20.76	20.72	20.60	22.00
15	64QAM	36	39	20.58	20.58	20.81	20.75	20.68	22.00
15	64QAM	75	0	20.32	20.32	20.45	20.31	20.23	21.50
15	256QAM	1	0	19.29	19.25	19.50	19.39	19.27	20.50
15	256QAM	1	37	19.24	19.20	19.46	19.30	19.16	20.50
15	256QAM	1	74	19.38	19.23	19.50	19.40	19.26	20.50
15	256QAM	36	0	19.29	19.18	19.38	19.23	19.17	20.50
15	256QAM	36	20	19.24	19.16	19.33	19.22	19.19	20.50
15	256QAM	36	39	19.21	19.16	19.28	19.24	19.28	20.50
15	256QAM	75	0	18.28	18.17	18.44	18.30	18.37	19.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.88	20.91	21.03	20.87	20.84	22.00
10	QPSK	1	25	20.84	20.68	20.95	20.75	20.77	22.00
10	QPSK	1	49	20.68	20.69	20.80	20.77	20.59	22.00
10	QPSK	25	0	20.81	20.72	20.96	20.73	20.82	22.00
10	QPSK	25	12	20.69	20.68	20.92	20.71	20.65	22.00
10	QPSK	25	25	20.71	20.59	20.77	20.69	20.76	22.00
10	QPSK	50	0	20.76	20.64	20.96	20.81	20.78	22.00
10	16QAM	1	0	20.72	20.62	20.89	20.84	20.59	22.00
10	16QAM	1	25	20.62	20.63	20.77	20.65	20.69	22.00



10	16QAM	1	49	20.52	20.62	20.75	20.67	20.67	22.00
10	16QAM	25	0	20.72	20.67	20.84	20.73	20.68	22.00
10	16QAM	25	12	20.65	20.58	20.77	20.69	20.57	22.00
10	16QAM	25	25	20.63	20.57	20.83	20.72	20.66	22.00
10	16QAM	50	0	20.55	20.51	20.74	20.58	20.60	22.00
10	64QAM	1	0	20.64	20.74	20.93	20.87	20.69	22.00
10	64QAM	1	25	20.72	20.50	20.76	20.70	20.73	22.00
10	64QAM	1	49	20.63	20.62	20.76	20.75	20.55	22.00
10	64QAM	25	0	20.56	20.57	20.63	20.52	20.46	22.00
10	64QAM	25	12	20.59	20.53	20.80	20.66	20.62	22.00
10	64QAM	25	25	20.68	20.53	20.73	20.75	20.64	22.00
10	64QAM	50	0	20.27	20.26	20.53	20.30	20.23	21.50
10	256QAM	1	0	19.27	19.21	19.38	19.40	19.23	20.50
10	256QAM	1	25	19.24	19.23	19.36	19.33	19.15	20.50
10	256QAM	1	49	19.43	19.26	19.44	19.33	19.32	20.50
10	256QAM	25	0	19.20	19.18	19.39	19.28	19.20	20.50
10	256QAM	25	12	19.27	19.21	19.37	19.32	19.26	20.50
10	256QAM	25	25	19.20	19.24	19.33	19.24	19.18	20.50
10	256QAM	50	0	18.27	18.22	18.39	18.34	18.24	19.50
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	20.90	20.86	20.98	20.92	20.95	22.00
5	QPSK	1	12	20.83	20.68	20.89	20.71	20.74	22.00
5	QPSK	1	24	20.80	20.69	20.80	20.81	20.62	22.00
5	QPSK	12	0	20.77	20.70	20.94	20.77	20.73	22.00
5	QPSK	12	7	20.68	20.58	20.90	20.76	20.64	22.00
5	QPSK	12	13	20.68	20.66	20.79	20.74	20.70	22.00
5	QPSK	25	0	20.65	20.63	20.85	20.71	20.84	22.00
5	16QAM	1	0	20.70	20.56	20.87	20.78	20.66	22.00
5	16QAM	1	12	20.68	20.70	20.79	20.69	20.67	22.00
5	16QAM	1	24	20.62	20.68	20.84	20.59	20.59	22.00
5	16QAM	12	0	20.72	20.60	20.83	20.67	20.59	22.00
5	16QAM	12	7	20.67	20.68	20.79	20.59	20.56	22.00
5	16QAM	12	13	20.64	20.58	20.76	20.70	20.57	22.00
5	16QAM	25	0	20.61	20.62	20.86	20.56	20.55	22.00
5	64QAM	1	0	20.71	20.72	20.93	20.86	20.71	22.00
5	64QAM	1	12	20.68	20.53	20.77	20.71	20.74	22.00
5	64QAM	1	24	20.63	20.53	20.84	20.63	20.52	22.00
5	64QAM	12	0	20.47	20.60	20.74	20.50	20.56	22.00
5	64QAM	12	7	20.62	20.64	20.68	20.66	20.53	22.00
5	64QAM	12	13	20.60	20.53	20.74	20.67	20.68	22.00
5	64QAM	25	0	20.23	20.33	20.46	20.26	20.32	21.50
5	256QAM	1	0	19.28	19.16	19.51	19.44	19.18	20.50
5	256QAM	1	12	19.16	19.20	19.45	19.22	19.16	20.50
5	256QAM	1	24	19.41	19.16	19.48	19.32	19.31	20.50
5	256QAM	12	0	19.29	19.23	19.40	19.34	19.20	20.50
5	256QAM	12	7	19.28	19.18	19.30	19.20	19.16	20.50
5	256QAM	12	13	19.23	19.17	19.29	19.24	19.21	20.50
5	256QAM	25	0	18.25	18.21	18.43	18.31	18.34	19.50

【LTE Band 41__FCC (2496~2690MHz)_Ant 4_EC14】

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	20.98	20.93	21.05	21.00	20.96	22.00
20	QPSK	1	49	20.87	20.79	20.99	20.84	20.82	22.00
20	QPSK	1	99	20.81	20.79	20.93	20.86	20.72	22.00
20	QPSK	50	0	20.87	20.82	21.00	20.86	20.84	22.00
20	QPSK	50	24	20.81	20.69	20.95	20.85	20.77	22.00
20	QPSK	50	50	20.83	20.67	20.91	20.79	20.80	22.00
20	QPSK	100	0	20.79	20.72	20.99	20.83	20.87	22.00
20	16QAM	1	0	20.81	20.70	20.96	20.87	20.72	22.00
20	16QAM	1	49	20.71	20.76	20.92	20.77	20.72	22.00
20	16QAM	1	99	20.66	20.69	20.86	20.73	20.69	22.00
20	16QAM	50	0	20.76	20.74	20.89	20.76	20.74	22.00
20	16QAM	50	24	20.69	20.72	20.85	20.71	20.71	22.00
20	16QAM	50	50	20.70	20.61	20.84	20.76	20.70	22.00
20	16QAM	100	0	20.69	20.65	20.88	20.69	20.64	22.00
20	64QAM	1	0	20.77	20.84	20.98	20.92	20.83	22.00
20	64QAM	1	49	20.78	20.64	20.90	20.82	20.78	22.00



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20	64QAM	1	99	20.74	20.64	20.88	20.77	20.65	22.00
20	64QAM	50	0	20.60	20.64	20.78	20.61	20.59	22.00
20	64QAM	50	24	20.67	20.65	20.82	20.74	20.67	22.00
20	64QAM	50	50	20.70	20.67	20.85	20.78	20.74	22.00
20	64QAM	100	0	20.36	20.40	20.56	20.39	20.33	21.50
20	256QAM	1	0	19.33	19.29	19.52	19.45	19.29	20.50
20	256QAM	1	49	19.30	19.33	19.48	19.36	19.25	20.50
20	256QAM	1	99	19.45	19.28	19.53	19.45	19.34	20.50
20	256QAM	50	0	19.30	19.32	19.50	19.35	19.27	20.50
20	256QAM	50	24	19.34	19.23	19.45	19.33	19.30	20.50
20	256QAM	50	50	19.32	19.26	19.43	19.34	19.31	20.50
20	256QAM	100	0	18.36	18.31	18.52	18.44	18.39	19.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.88	20.91	20.99	20.91	20.84	22.00
15	QPSK	1	37	20.81	20.69	20.92	20.78	20.77	22.00
15	QPSK	1	74	20.72	20.75	20.80	20.72	20.69	22.00
15	QPSK	36	0	20.78	20.68	20.87	20.84	20.76	22.00
15	QPSK	36	20	20.79	20.66	20.81	20.70	20.75	22.00
15	QPSK	36	39	20.77	20.57	20.82	20.78	20.68	22.00
15	QPSK	75	0	20.69	20.67	20.89	20.73	20.82	22.00
15	16QAM	1	0	20.76	20.66	20.83	20.82	20.61	22.00
15	16QAM	1	37	20.65	20.65	20.83	20.65	20.69	22.00
15	16QAM	1	74	20.61	20.61	20.71	20.65	20.55	22.00
15	16QAM	36	0	20.62	20.70	20.82	20.73	20.62	22.00
15	16QAM	36	20	20.68	20.60	20.72	20.60	20.65	22.00
15	16QAM	36	39	20.58	20.52	20.76	20.68	20.61	22.00
15	16QAM	75	0	20.54	20.51	20.79	20.60	20.50	22.00
15	64QAM	1	0	20.66	20.82	20.90	20.88	20.81	22.00
15	64QAM	1	37	20.63	20.61	20.75	20.71	20.71	22.00
15	64QAM	1	74	20.64	20.63	20.78	20.71	20.58	22.00
15	64QAM	36	0	20.49	20.61	20.69	20.55	20.58	22.00
15	64QAM	36	20	20.54	20.52	20.76	20.72	20.60	22.00
15	64QAM	36	39	20.58	20.58	20.81	20.75	20.68	22.00
15	64QAM	75	0	20.32	20.32	20.45	20.31	20.23	21.50
15	256QAM	1	0	19.29	19.25	19.50	19.39	19.27	20.50
15	256QAM	1	37	19.24	19.20	19.46	19.30	19.16	20.50
15	256QAM	1	74	19.38	19.23	19.50	19.40	19.26	20.50
15	256QAM	36	0	19.29	19.18	19.38	19.23	19.17	20.50
15	256QAM	36	20	19.24	19.16	19.33	19.22	19.19	20.50
15	256QAM	36	39	19.21	19.16	19.28	19.24	19.28	20.50
15	256QAM	75	0	18.28	18.17	18.44	18.30	18.37	19.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.88	20.91	21.03	20.87	20.84	22.00
10	QPSK	1	25	20.84	20.68	20.95	20.75	20.77	22.00
10	QPSK	1	49	20.68	20.69	20.80	20.77	20.59	22.00
10	QPSK	25	0	20.81	20.72	20.96	20.73	20.82	22.00
10	QPSK	25	12	20.69	20.68	20.92	20.71	20.65	22.00
10	QPSK	25	25	20.71	20.59	20.77	20.69	20.76	22.00
10	QPSK	50	0	20.76	20.64	20.96	20.81	20.78	22.00
10	16QAM	1	0	20.72	20.62	20.89	20.84	20.59	22.00
10	16QAM	1	25	20.62	20.63	20.77	20.65	20.69	22.00
10	16QAM	1	49	20.52	20.62	20.75	20.67	20.67	22.00
10	16QAM	25	0	20.72	20.67	20.84	20.73	20.68	22.00
10	16QAM	25	12	20.65	20.58	20.77	20.69	20.57	22.00
10	16QAM	25	25	20.63	20.57	20.83	20.72	20.66	22.00
10	16QAM	50	0	20.55	20.51	20.74	20.58	20.60	22.00
10	64QAM	1	0	20.64	20.74	20.93	20.87	20.69	22.00
10	64QAM	1	25	20.72	20.50	20.76	20.70	20.73	22.00
10	64QAM	1	49	20.63	20.62	20.76	20.75	20.55	22.00
10	64QAM	25	0	20.56	20.57	20.63	20.52	20.46	22.00
10	64QAM	25	12	20.59	20.53	20.80	20.66	20.62	22.00
10	64QAM	25	25	20.68	20.53	20.73	20.75	20.64	22.00
10	64QAM	50	0	20.27	20.26	20.53	20.30	20.23	21.50
10	256QAM	1	0	19.27	19.21	19.38	19.40	19.23	20.50
10	256QAM	1	25	19.24	19.23	19.36	19.33	19.15	20.50
10	256QAM	1	49	19.43	19.26	19.44	19.33	19.32	20.50
10	256QAM	25	0	19.20	19.18	19.39	19.28	19.20	20.50
10	256QAM	25	12	19.27	19.21	19.37	19.32	19.26	20.50
10	256QAM	25	25	19.20	19.24	19.33	19.24	19.18	20.50
10	256QAM	50	0	18.27	18.22	18.39	18.34	18.24	19.50
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	20.90	20.86	20.98	20.92	20.95	22.00



5	QPSK	1	12	20.83	20.68	20.89	20.71	20.74	22.00
5	QPSK	1	24	20.80	20.69	20.80	20.81	20.62	22.00
5	QPSK	12	0	20.77	20.70	20.94	20.77	20.73	22.00
5	QPSK	12	7	20.68	20.58	20.90	20.76	20.64	22.00
5	QPSK	12	13	20.68	20.66	20.79	20.74	20.70	22.00
5	QPSK	25	0	20.65	20.63	20.85	20.71	20.84	22.00
5	16QAM	1	0	20.70	20.56	20.87	20.78	20.66	22.00
5	16QAM	1	12	20.68	20.70	20.79	20.69	20.67	22.00
5	16QAM	1	24	20.62	20.68	20.84	20.59	20.59	22.00
5	16QAM	12	0	20.72	20.60	20.83	20.67	20.59	22.00
5	16QAM	12	7	20.67	20.68	20.79	20.59	20.56	22.00
5	16QAM	12	13	20.64	20.58	20.76	20.70	20.57	22.00
5	16QAM	25	0	20.61	20.62	20.86	20.56	20.55	22.00
5	64QAM	1	0	20.71	20.72	20.93	20.86	20.71	22.00
5	64QAM	1	12	20.68	20.53	20.77	20.71	20.74	22.00
5	64QAM	1	24	20.63	20.53	20.84	20.63	20.52	22.00
5	64QAM	12	0	20.47	20.60	20.74	20.50	20.56	22.00
5	64QAM	12	7	20.62	20.64	20.68	20.66	20.53	22.00
5	64QAM	12	13	20.60	20.53	20.74	20.67	20.68	22.00
5	64QAM	25	0	20.23	20.33	20.46	20.26	20.32	21.50
5	256QAM	1	0	19.28	19.16	19.51	19.44	19.18	20.50
5	256QAM	1	12	19.16	19.20	19.45	19.22	19.16	20.50
5	256QAM	1	24	19.41	19.16	19.48	19.32	19.31	20.50
5	256QAM	12	0	19.29	19.23	19.40	19.34	19.20	20.50
5	256QAM	12	7	19.28	19.18	19.30	19.20	19.16	20.50
5	256QAM	12	13	19.23	19.17	19.29	19.24	19.21	20.50
5	256QAM	25	0	18.25	18.21	18.43	18.31	18.34	19.50

【LTE Band 41_FCC (2496~2690MHz)_Ant 4_EC15】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.98	20.93	21.05	21.00	20.96	22.00
20	QPSK	1	49	20.87	20.79	20.99	20.84	20.82	22.00
20	QPSK	1	99	20.81	20.79	20.93	20.86	20.72	22.00
20	QPSK	50	0	20.87	20.82	21.00	20.86	20.84	22.00
20	QPSK	50	24	20.81	20.69	20.95	20.85	20.77	22.00
20	QPSK	50	50	20.83	20.67	20.91	20.79	20.80	22.00
20	QPSK	100	0	20.79	20.72	20.99	20.83	20.87	22.00
20	16QAM	1	0	20.81	20.70	20.96	20.87	20.72	22.00
20	16QAM	1	49	20.71	20.76	20.92	20.77	20.72	22.00
20	16QAM	1	99	20.66	20.69	20.86	20.73	20.69	22.00
20	16QAM	50	0	20.76	20.74	20.89	20.76	20.74	22.00
20	16QAM	50	24	20.69	20.72	20.85	20.71	20.71	22.00
20	16QAM	50	50	20.70	20.61	20.84	20.76	20.70	22.00
20	16QAM	100	0	20.69	20.65	20.88	20.69	20.64	22.00
20	64QAM	1	0	20.77	20.84	20.98	20.92	20.83	22.00
20	64QAM	1	49	20.78	20.64	20.90	20.82	20.78	22.00
20	64QAM	1	99	20.74	20.64	20.88	20.77	20.65	22.00
20	64QAM	50	0	20.60	20.64	20.78	20.61	20.59	22.00
20	64QAM	50	24	20.67	20.65	20.82	20.74	20.67	22.00
20	64QAM	50	50	20.70	20.67	20.85	20.78	20.74	22.00
20	64QAM	100	0	20.36	20.40	20.56	20.39	20.33	21.50
20	256QAM	1	0	19.33	19.29	19.52	19.45	19.29	20.50
20	256QAM	1	49	19.30	19.33	19.48	19.36	19.25	20.50
20	256QAM	1	99	19.45	19.28	19.53	19.45	19.34	20.50
20	256QAM	50	0	19.30	19.32	19.50	19.35	19.27	20.50
20	256QAM	50	24	19.34	19.23	19.45	19.33	19.30	20.50
20	256QAM	50	50	19.32	19.26	19.43	19.34	19.31	20.50
20	256QAM	100	0	18.36	18.31	18.52	18.44	18.39	19.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.88	20.91	20.99	20.91	20.84	22.00
15	QPSK	1	37	20.81	20.69	20.92	20.78	20.77	22.00
15	QPSK	1	74	20.72	20.75	20.80	20.72	20.69	22.00
15	QPSK	36	0	20.78	20.68	20.87	20.84	20.76	22.00
15	QPSK	36	20	20.79	20.66	20.81	20.70	20.75	22.00
15	QPSK	36	39	20.77	20.57	20.82	20.78	20.68	22.00
15	QPSK	75	0	20.69	20.67	20.89	20.73	20.82	22.00
15	16QAM	1	0	20.76	20.66	20.83	20.82	20.61	22.00



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15	16QAM	1	37	20.65	20.65	20.83	20.65	20.69	22.00
15	16QAM	1	74	20.61	20.61	20.71	20.65	20.55	22.00
15	16QAM	36	0	20.62	20.70	20.82	20.73	20.62	22.00
15	16QAM	36	20	20.68	20.60	20.72	20.60	20.65	22.00
15	16QAM	36	39	20.58	20.52	20.76	20.68	20.61	22.00
15	16QAM	75	0	20.54	20.51	20.79	20.60	20.50	22.00
15	64QAM	1	0	20.66	20.82	20.90	20.88	20.81	22.00
15	64QAM	1	37	20.63	20.61	20.75	20.71	20.71	22.00
15	64QAM	1	74	20.64	20.63	20.78	20.71	20.58	22.00
15	64QAM	36	0	20.49	20.61	20.69	20.55	20.58	22.00
15	64QAM	36	20	20.54	20.52	20.76	20.72	20.60	22.00
15	64QAM	36	39	20.58	20.58	20.81	20.75	20.68	22.00
15	64QAM	75	0	20.32	20.32	20.45	20.31	20.23	21.50
15	256QAM	1	0	19.29	19.25	19.50	19.39	19.27	20.50
15	256QAM	1	37	19.24	19.20	19.46	19.30	19.16	20.50
15	256QAM	1	74	19.38	19.23	19.50	19.40	19.26	20.50
15	256QAM	36	0	19.29	19.18	19.38	19.23	19.17	20.50
15	256QAM	36	20	19.24	19.16	19.33	19.22	19.19	20.50
15	256QAM	36	39	19.21	19.16	19.28	19.24	19.28	20.50
15	256QAM	75	0	18.28	18.17	18.44	18.30	18.37	19.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.88	20.91	21.03	20.87	20.84	22.00
10	QPSK	1	25	20.84	20.68	20.95	20.75	20.77	22.00
10	QPSK	1	49	20.68	20.69	20.80	20.77	20.59	22.00
10	QPSK	25	0	20.81	20.72	20.96	20.73	20.82	22.00
10	QPSK	25	12	20.69	20.68	20.92	20.71	20.65	22.00
10	QPSK	25	25	20.71	20.59	20.77	20.69	20.76	22.00
10	QPSK	50	0	20.76	20.64	20.96	20.81	20.78	22.00
10	16QAM	1	0	20.72	20.62	20.89	20.84	20.59	22.00
10	16QAM	1	25	20.62	20.63	20.77	20.65	20.69	22.00
10	16QAM	1	49	20.52	20.62	20.75	20.67	20.67	22.00
10	16QAM	25	0	20.72	20.67	20.84	20.73	20.68	22.00
10	16QAM	25	12	20.65	20.58	20.77	20.69	20.57	22.00
10	16QAM	25	25	20.63	20.57	20.83	20.72	20.66	22.00
10	16QAM	50	0	20.55	20.51	20.74	20.58	20.60	22.00
10	64QAM	1	0	20.64	20.74	20.93	20.87	20.69	22.00
10	64QAM	1	25	20.72	20.50	20.76	20.70	20.73	22.00
10	64QAM	1	49	20.63	20.62	20.76	20.75	20.55	22.00
10	64QAM	25	0	20.56	20.57	20.63	20.52	20.46	22.00
10	64QAM	25	12	20.59	20.53	20.80	20.66	20.62	22.00
10	64QAM	25	25	20.68	20.53	20.73	20.75	20.64	22.00
10	64QAM	50	0	20.27	20.26	20.53	20.30	20.23	21.50
10	256QAM	1	0	19.27	19.21	19.38	19.40	19.23	20.50
10	256QAM	1	25	19.24	19.23	19.36	19.33	19.15	20.50
10	256QAM	1	49	19.43	19.26	19.44	19.33	19.32	20.50
10	256QAM	25	0	19.20	19.18	19.39	19.28	19.20	20.50
10	256QAM	25	12	19.27	19.21	19.37	19.32	19.26	20.50
10	256QAM	25	25	19.20	19.24	19.33	19.24	19.18	20.50
10	256QAM	50	0	18.27	18.22	18.39	18.34	18.24	19.50
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	20.90	20.86	20.98	20.92	20.95	22.00
5	QPSK	1	12	20.83	20.68	20.89	20.71	20.74	22.00
5	QPSK	1	24	20.80	20.69	20.80	20.81	20.62	22.00
5	QPSK	12	0	20.77	20.70	20.94	20.77	20.73	22.00
5	QPSK	12	7	20.68	20.58	20.90	20.76	20.64	22.00
5	QPSK	12	13	20.68	20.66	20.79	20.74	20.70	22.00
5	QPSK	25	0	20.65	20.63	20.85	20.71	20.84	22.00
5	16QAM	1	0	20.70	20.56	20.87	20.78	20.66	22.00
5	16QAM	1	12	20.68	20.70	20.79	20.69	20.67	22.00
5	16QAM	1	24	20.62	20.68	20.84	20.59	20.59	22.00
5	16QAM	12	0	20.72	20.60	20.83	20.67	20.59	22.00
5	16QAM	12	7	20.67	20.68	20.79	20.59	20.56	22.00
5	16QAM	12	13	20.64	20.58	20.76	20.70	20.57	22.00
5	16QAM	25	0	20.61	20.62	20.86	20.56	20.55	22.00
5	64QAM	1	0	20.71	20.72	20.93	20.86	20.71	22.00
5	64QAM	1	12	20.68	20.53	20.77	20.71	20.74	22.00
5	64QAM	1	24	20.63	20.53	20.84	20.63	20.52	22.00
5	64QAM	12	0	20.47	20.60	20.74	20.50	20.56	22.00
5	64QAM	12	7	20.62	20.64	20.68	20.66	20.53	22.00
5	64QAM	12	13	20.60	20.53	20.74	20.67	20.68	22.00
5	64QAM	25	0	20.23	20.33	20.46	20.26	20.32	21.50
5	256QAM	1	0	19.28	19.16	19.51	19.44	19.18	20.50
5	256QAM	1	12	19.16	19.20	19.45	19.22	19.16	20.50
5	256QAM	1	24	19.41	19.16	19.48	19.32	19.31	20.50



5	256QAM	12	0	19.29	19.23	19.40	19.34	19.20	20.50
5	256QAM	12	7	19.28	19.18	19.30	19.20	19.16	20.50
5	256QAM	12	13	19.23	19.17	19.29	19.24	19.21	20.50
5	256QAM	25	0	18.25	18.21	18.43	18.31	18.34	19.50

【LTE Band 41__FCC (2496~2690MHz)_Ant 5_Default】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.57	23.25	23.27	23.07	23.15	24.50
20	QPSK	1	49	22.31	22.99	23.12	22.83	22.89	24.50
20	QPSK	1	99	22.43	23.00	23.17	22.93	22.95	24.50
20	QPSK	50	0	21.60	22.26	22.38	22.08	22.25	23.50
20	QPSK	50	24	21.52	22.20	22.31	22.09	22.10	23.50
20	QPSK	50	50	21.54	22.24	22.34	22.12	22.21	23.50
20	QPSK	100	0	20.63	21.29	21.35	21.14	21.16	22.50
20	16QAM	1	0	21.87	22.53	22.60	22.38	22.34	23.50
20	16QAM	1	49	21.61	22.31	22.39	22.05	22.26	23.50
20	16QAM	1	99	21.69	22.32	22.46	22.14	22.20	23.50
20	16QAM	50	0	20.62	21.30	21.39	21.11	21.13	22.50
20	16QAM	50	24	20.54	21.19	21.32	21.02	21.12	22.50
20	16QAM	50	50	20.66	21.20	21.36	21.12	21.18	22.50
20	16QAM	100	0	19.77	20.28	20.40	20.20	20.28	21.50
20	64QAM	1	0	20.50	21.19	21.27	21.03	21.12	22.50
20	64QAM	1	49	20.36	21.04	21.13	20.89	21.00	22.50
20	64QAM	1	99	20.48	21.01	21.14	20.87	20.93	22.50
20	64QAM	50	0	19.73	20.34	20.43	20.12	20.31	21.50
20	64QAM	50	24	19.64	20.33	20.38	20.19	20.26	21.50
20	64QAM	50	50	19.63	20.34	20.39	20.07	20.22	21.50
20	64QAM	100	0	18.73	19.27	19.37	19.17	19.19	20.50
20	256QAM	1	0	17.82	18.48	18.53	18.32	18.42	19.50
20	256QAM	1	49	17.79	18.35	18.39	18.19	18.26	19.50
20	256QAM	1	99	17.74	18.32	18.40	18.14	18.26	19.50
20	256QAM	50	0	17.77	18.35	18.43	18.17	18.32	19.50
20	256QAM	50	24	17.83	18.27	18.40	18.20	18.16	19.50
20	256QAM	50	50	17.77	18.25	18.38	18.09	18.20	19.50
20	256QAM	100	0	16.78	17.20	17.36	17.08	17.13	18.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.43	23.15	23.12	23.06	23.01	24.50
15	QPSK	1	37	22.23	22.96	23.06	22.70	22.78	24.50
15	QPSK	1	74	22.42	22.90	23.04	22.81	22.93	24.50
15	QPSK	36	0	21.47	22.22	22.32	21.98	22.20	23.50
15	QPSK	36	20	21.42	22.07	22.18	22.06	21.96	23.50
15	QPSK	36	39	21.51	22.15	22.22	22.06	22.18	23.50
15	QPSK	75	0	20.55	21.20	21.26	21.08	21.15	22.50
15	16QAM	1	0	21.83	22.50	22.58	22.29	22.28	23.50
15	16QAM	1	37	21.50	22.18	22.25	21.94	22.13	23.50
15	16QAM	1	74	21.55	22.25	22.38	22.12	22.17	23.50
15	16QAM	36	0	20.60	21.26	21.26	20.99	21.02	22.50
15	16QAM	36	20	20.50	21.06	21.22	20.98	20.98	22.50
15	16QAM	36	39	20.51	21.13	21.24	21.06	21.12	22.50
15	16QAM	75	0	19.74	20.23	20.31	20.19	20.26	21.50
15	64QAM	1	0	20.38	21.08	21.20	20.89	21.00	22.50
15	64QAM	1	37	20.31	20.96	21.05	20.75	20.91	22.50
15	64QAM	1	74	20.39	21.00	21.02	20.77	20.86	22.50
15	64QAM	36	0	19.63	20.21	20.34	20.01	20.22	21.50
15	64QAM	36	20	19.59	20.23	20.35	20.09	20.17	21.50
15	64QAM	36	39	19.57	20.23	20.24	20.02	20.17	21.50
15	64QAM	75	0	18.61	19.17	19.35	19.03	19.15	20.50
15	256QAM	1	0	17.80	18.47	18.50	18.18	18.32	19.50
15	256QAM	1	37	17.65	18.22	18.29	18.09	18.21	19.50
15	256QAM	1	74	17.69	18.27	18.31	18.08	18.17	19.50
15	256QAM	36	0	17.67	18.34	18.38	18.10	18.28	19.50
15	256QAM	36	20	17.71	18.22	18.32	18.11	18.05	19.50
15	256QAM	36	39	17.70	18.12	18.24	17.97	18.05	19.50
15	256QAM	75	0	16.63	17.09	17.34	17.01	17.10	18.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.49	23.22	23.14	22.97	23.02	24.50

10	QPSK	1	25	22.26	22.86	23.05	22.82	22.82	24.50
10	QPSK	1	49	22.36	22.86	23.15	22.78	22.93	24.50
10	QPSK	25	0	21.52	22.16	22.30	22.03	22.18	23.50
10	QPSK	25	12	21.48	22.10	22.20	21.95	21.99	23.50
10	QPSK	25	25	21.52	22.09	22.30	22.02	22.12	23.50
10	QPSK	50	0	20.60	21.21	21.34	21.02	21.03	22.50
10	16QAM	1	0	21.72	22.52	22.50	22.29	22.31	23.50
10	16QAM	1	25	21.59	22.24	22.24	22.02	22.17	23.50
10	16QAM	1	49	21.61	22.30	22.39	22.07	22.07	23.50
10	16QAM	25	0	20.60	21.28	21.26	21.10	21.03	22.50
10	16QAM	25	12	20.44	21.05	21.27	20.94	21.09	22.50
10	16QAM	25	25	20.60	21.15	21.25	21.00	21.15	22.50
10	16QAM	50	0	19.73	20.22	20.34	20.07	20.17	21.50
10	64QAM	1	0	20.48	21.07	21.23	20.92	21.02	22.50
10	64QAM	1	25	20.30	21.01	21.02	20.82	20.93	22.50
10	64QAM	1	49	20.41	20.99	21.08	20.84	20.82	22.50
10	64QAM	25	0	19.72	20.23	20.31	19.99	20.21	21.50
10	64QAM	25	12	19.58	20.27	20.24	20.16	20.22	21.50
10	64QAM	25	25	19.52	20.24	20.28	19.95	20.15	21.50
10	64QAM	50	0	18.59	19.15	19.33	19.12	19.07	20.50
10	256QAM	1	0	17.73	18.43	18.39	18.24	18.37	19.50
10	256QAM	1	25	17.65	18.33	18.37	18.07	18.17	19.50
10	256QAM	1	49	17.60	18.19	18.34	17.99	18.23	19.50
10	256QAM	25	0	17.66	18.32	18.36	18.06	18.22	19.50
10	256QAM	25	12	17.76	18.14	18.30	18.13	18.07	19.50
10	256QAM	25	25	17.67	18.16	18.36	17.95	18.06	19.50
10	256QAM	50	0	16.73	17.13	17.22	17.05	16.99	18.50
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	22.43	23.19	23.24	23.00	23.01	24.50
5	QPSK	1	12	22.29	22.94	23.08	22.78	22.79	24.50
5	QPSK	1	24	22.31	22.91	23.10	22.86	22.90	24.50
5	QPSK	12	0	21.59	22.16	22.34	22.06	22.24	23.50
5	QPSK	12	7	21.39	22.17	22.27	21.94	22.08	23.50
5	QPSK	12	13	21.40	22.20	22.31	22.02	22.10	23.50
5	QPSK	25	0	20.56	21.26	21.25	21.05	21.13	22.50
5	16QAM	1	0	21.74	22.41	22.51	22.36	22.24	23.50
5	16QAM	1	12	21.57	22.16	22.24	21.99	22.19	23.50
5	16QAM	1	24	21.59	22.27	22.43	22.08	22.13	23.50
5	16QAM	12	0	20.60	21.18	21.28	21.01	21.10	22.50
5	16QAM	12	7	20.49	21.14	21.18	20.99	21.01	22.50
5	16QAM	12	13	20.58	21.16	21.25	21.05	21.14	22.50
5	16QAM	25	0	19.75	20.23	20.31	20.16	20.26	21.50
5	64QAM	1	0	20.44	21.15	21.13	20.99	21.02	22.50
5	64QAM	1	12	20.33	20.95	20.98	20.78	20.97	22.50
5	64QAM	1	24	20.34	20.96	21.10	20.81	20.86	22.50
5	64QAM	12	0	19.70	20.26	20.41	20.11	20.20	21.50
5	64QAM	12	7	19.57	20.30	20.30	20.14	20.23	21.50
5	64QAM	12	13	19.58	20.31	20.25	20.06	20.16	21.50
5	64QAM	25	0	18.62	19.26	19.25	19.04	19.07	20.50
5	256QAM	1	0	17.74	18.34	18.45	18.23	18.40	19.50
5	256QAM	1	12	17.68	18.28	18.25	18.06	18.18	19.50
5	256QAM	1	24	17.71	18.23	18.34	18.07	18.13	19.50
5	256QAM	12	0	17.75	18.21	18.35	18.04	18.23	19.50
5	256QAM	12	7	17.69	18.18	18.27	18.10	18.09	19.50
5	256QAM	12	13	17.72	18.14	18.30	17.99	18.08	19.50
5	256QAM	25	0	16.73	17.10	17.29	17.00	17.00	18.50

【LTE Band 41_FCC (2496~2690MHz)_Ant 5_EC11】

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	19.27	19.22	19.30	19.26	19.21	20.50
20	QPSK	1	49	19.10	19.01	19.23	19.11	19.11	20.50
20	QPSK	1	99	19.07	19.10	19.19	19.02	18.99	20.50
20	QPSK	50	0	19.19	19.13	19.25	19.18	19.13	20.50
20	QPSK	50	24	19.07	19.08	19.18	19.00	19.07	20.50
20	QPSK	50	50	19.14	19.11	19.21	19.16	19.07	20.50
20	QPSK	100	0	18.99	18.93	19.16	19.01	19.02	20.50
20	16QAM	1	0	19.02	19.02	19.11	19.01	18.87	20.50



20	16QAM	1	49	19.01	19.03	19.13	19.00	18.95	20.50
20	16QAM	1	99	19.11	19.03	19.15	19.07	18.92	20.50
20	16QAM	50	0	18.97	18.93	19.04	18.95	18.90	20.50
20	16QAM	50	24	18.99	19.00	19.10	19.04	18.91	20.50
20	16QAM	50	50	19.04	18.95	19.10	18.98	18.97	20.50
20	16QAM	100	0	18.92	18.84	18.97	18.83	18.86	20.50
20	64QAM	1	0	18.90	18.87	19.05	18.98	18.83	20.50
20	64QAM	1	49	18.98	18.89	19.07	19.00	18.86	20.50
20	64QAM	1	99	18.95	18.85	19.04	18.97	18.94	20.50
20	64QAM	50	0	19.08	18.99	19.17	19.10	19.03	20.50
20	64QAM	50	24	19.08	19.04	19.19	19.10	19.03	20.50
20	64QAM	50	50	18.91	18.89	19.03	18.85	18.79	20.50
20	64QAM	100	0	18.93	18.81	19.00	18.89	18.84	20.50
20	256QAM	1	0	18.18	18.10	18.26	18.10	18.12	19.50
20	256QAM	1	49	18.12	18.02	18.22	18.07	18.04	19.50
20	256QAM	1	99	18.15	18.15	18.24	18.12	18.07	19.50
20	256QAM	50	0	18.06	18.03	18.21	18.06	18.11	19.50
20	256QAM	50	24	18.05	18.01	18.19	18.07	18.08	19.50
20	256QAM	50	50	18.05	18.04	18.16	18.05	18.04	19.50
20	256QAM	100	0	17.24	17.17	17.28	17.18	17.15	18.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.16	19.09	19.23	19.20	19.12	20.50
15	QPSK	1	37	19.06	18.88	19.12	19.08	18.96	20.50
15	QPSK	1	74	18.99	19.00	19.14	18.93	18.87	20.50
15	QPSK	36	0	19.03	19.00	19.11	19.05	18.98	20.50
15	QPSK	36	20	18.97	18.95	19.06	18.89	18.96	20.50
15	QPSK	36	39	19.03	19.04	19.19	19.04	19.00	20.50
15	QPSK	75	0	18.96	18.79	19.09	18.91	18.89	20.50
15	16QAM	1	0	18.90	18.95	19.09	18.89	18.86	20.50
15	16QAM	1	37	18.91	18.92	19.08	18.92	18.91	20.50
15	16QAM	1	74	19.05	18.99	19.02	19.05	18.80	20.50
15	16QAM	36	0	18.84	18.80	18.94	18.91	18.80	20.50
15	16QAM	36	20	18.85	18.93	19.02	18.98	18.85	20.50
15	16QAM	36	39	18.94	18.92	18.98	18.90	18.93	20.50
15	16QAM	75	0	18.84	18.82	18.84	18.71	18.80	20.50
15	64QAM	1	0	18.76	18.81	18.95	18.96	18.82	20.50
15	64QAM	1	37	18.92	18.87	19.04	18.91	18.80	20.50
15	64QAM	1	74	18.89	18.78	19.01	18.85	18.79	20.50
15	64QAM	36	0	19.03	18.87	19.06	19.01	18.99	20.50
15	64QAM	36	20	19.01	18.94	19.15	18.96	18.91	20.50
15	64QAM	36	39	18.80	18.83	18.98	18.83	18.76	20.50
15	64QAM	75	0	18.84	18.75	18.94	18.82	18.79	20.50
15	256QAM	1	0	18.06	17.98	18.23	18.01	18.08	19.50
15	256QAM	1	37	18.04	18.01	18.12	17.97	17.99	19.50
15	256QAM	1	74	18.09	18.05	18.14	17.99	18.05	19.50
15	256QAM	36	0	17.98	17.90	18.19	17.94	18.04	19.50
15	256QAM	36	20	17.96	17.89	18.06	17.97	17.96	19.50
15	256QAM	36	39	17.97	17.92	18.15	17.94	18.02	19.50
15	256QAM	75	0	17.10	17.06	17.23	17.13	17.08	18.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.13	19.16	19.27	19.21	19.08	20.50
10	QPSK	1	25	19.01	18.99	19.11	18.96	19.08	20.50
10	QPSK	1	49	19.00	18.97	19.12	18.96	18.87	20.50
10	QPSK	25	0	18.99	19.05	19.15	19.01	18.99	20.50
10	QPSK	25	12	19.03	18.95	19.08	18.89	18.97	20.50
10	QPSK	25	25	19.06	19.00	19.17	19.08	18.96	20.50
10	QPSK	50	0	18.94	18.82	19.04	18.88	18.91	20.50
10	16QAM	1	0	19.00	18.87	19.03	18.94	18.77	20.50
10	16QAM	1	25	18.95	18.91	19.00	18.86	18.80	20.50
10	16QAM	1	49	18.97	18.89	19.01	18.94	18.84	20.50
10	16QAM	25	0	18.93	18.84	18.99	18.83	18.80	20.50
10	16QAM	25	12	18.92	18.97	18.98	18.94	18.83	20.50
10	16QAM	25	25	18.98	18.81	19.09	18.88	18.95	20.50
10	16QAM	50	0	18.88	18.77	18.82	18.70	18.82	20.50
10	64QAM	1	0	18.77	18.76	18.93	18.90	18.68	20.50
10	64QAM	1	25	18.89	18.79	18.94	18.95	18.77	20.50
10	64QAM	1	49	18.91	18.83	18.93	18.85	18.86	20.50
10	64QAM	25	0	18.99	18.87	19.14	19.01	18.88	20.50
10	64QAM	25	12	18.96	18.98	19.18	18.96	18.94	20.50
10	64QAM	25	25	18.80	18.75	18.94	18.77	18.70	20.50
10	64QAM	50	0	18.87	18.71	18.87	18.85	18.70	20.50
10	256QAM	1	0	18.07	18.04	18.18	18.04	17.99	19.50
10	256QAM	1	25	18.09	18.00	18.07	17.92	17.91	19.50
10	256QAM	1	49	18.09	18.04	18.15	18.04	18.02	19.50



10	256QAM	25	0	17.97	17.97	18.14	17.94	17.96	19.50
10	256QAM	25	12	17.95	17.87	18.07	17.99	17.99	19.50
10	256QAM	25	25	18.03	17.90	18.14	17.95	18.01	19.50
10	256QAM	50	0	17.12	17.03	17.13	17.11	17.09	18.50
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	19.15	19.09	19.19	19.22	19.07	20.50
5	QPSK	1	12	19.01	18.87	19.20	19.00	18.99	20.50
5	QPSK	1	24	19.04	19.09	19.06	19.01	18.91	20.50
5	QPSK	12	0	19.00	19.00	19.22	19.07	18.95	20.50
5	QPSK	12	7	19.06	19.06	19.15	18.92	19.02	20.50
5	QPSK	12	13	19.05	19.06	19.13	19.05	19.03	20.50
5	QPSK	25	0	18.85	18.88	19.10	18.99	18.87	20.50
5	16QAM	1	0	18.94	18.95	19.10	18.88	18.86	20.50
5	16QAM	1	12	18.87	18.92	19.05	18.94	18.94	20.50
5	16QAM	1	24	19.09	19.02	19.13	18.94	18.77	20.50
5	16QAM	12	0	18.92	18.78	19.01	18.85	18.89	20.50
5	16QAM	12	7	18.87	18.85	18.96	18.95	18.89	20.50
5	16QAM	12	13	18.97	18.83	18.96	18.94	18.90	20.50
5	16QAM	25	0	18.90	18.71	18.83	18.79	18.82	20.50
5	64QAM	1	0	18.77	18.73	18.92	18.93	18.79	20.50
5	64QAM	1	12	18.85	18.81	19.03	18.85	18.74	20.50
5	64QAM	1	24	18.84	18.71	19.01	18.83	18.86	20.50
5	64QAM	12	0	19.01	18.91	19.05	19.03	18.88	20.50
5	64QAM	12	7	18.94	19.02	19.06	19.08	18.98	20.50
5	64QAM	12	13	18.88	18.87	18.94	18.79	18.70	20.50
5	64QAM	25	0	18.88	18.78	18.97	18.75	18.69	20.50
5	256QAM	1	0	18.04	18.00	18.12	18.07	18.05	19.50
5	256QAM	1	12	18.04	18.00	18.09	18.03	17.94	19.50
5	256QAM	1	24	18.10	18.01	18.11	17.98	17.97	19.50
5	256QAM	12	0	17.95	17.96	18.13	17.92	18.00	19.50
5	256QAM	12	7	17.99	17.97	18.16	18.03	18.03	19.50
5	256QAM	12	13	18.01	17.93	18.06	18.03	17.90	19.50
5	256QAM	25	0	17.10	17.13	17.24	17.06	17.12	18.50

【LTE Band 41__FCC (2496~2690MHz)_Ant 5_EC13】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.90	20.91	20.93	20.89	20.91	22.00
20	QPSK	1	49	20.73	20.83	20.87	20.75	20.70	22.00
20	QPSK	1	99	20.71	20.67	20.78	20.67	20.63	22.00
20	QPSK	50	0	20.83	20.81	20.88	20.83	20.84	22.00
20	QPSK	50	24	20.65	20.73	20.78	20.61	20.65	22.00
20	QPSK	50	50	20.78	20.70	20.84	20.75	20.67	22.00
20	QPSK	100	0	20.84	20.83	20.86	20.85	20.82	22.00
20	16QAM	1	0	20.58	20.61	20.69	20.62	20.60	22.00
20	16QAM	1	49	20.58	20.63	20.74	20.68	20.61	22.00
20	16QAM	1	99	20.57	20.63	20.68	20.58	20.63	22.00
20	16QAM	50	0	20.68	20.67	20.74	20.59	20.60	22.00
20	16QAM	50	24	20.62	20.67	20.77	20.63	20.65	22.00
20	16QAM	50	50	20.53	20.64	20.68	20.52	20.52	22.00
20	16QAM	100	0	19.77	20.28	20.38	20.20	20.28	21.50
20	64QAM	1	0	20.71	20.68	20.83	20.66	20.66	22.00
20	64QAM	1	49	20.78	20.66	20.82	20.64	20.79	22.00
20	64QAM	1	99	20.69	20.62	20.73	20.67	20.64	22.00
20	64QAM	50	0	19.73	20.34	20.43	20.12	20.31	21.50
20	64QAM	50	24	19.64	20.33	20.38	20.19	20.26	21.50
20	64QAM	50	50	19.63	20.34	20.39	20.07	20.22	21.50
20	64QAM	100	0	18.73	19.27	19.37	19.17	19.19	20.50
20	256QAM	1	0	17.82	18.48	18.53	18.32	18.42	19.50
20	256QAM	1	49	17.79	18.35	18.39	18.19	18.26	19.50
20	256QAM	1	99	17.74	18.32	18.40	18.14	18.26	19.50
20	256QAM	50	0	17.77	18.35	18.43	18.17	18.32	19.50
20	256QAM	50	24	17.83	18.27	18.40	18.20	18.16	19.50
20	256QAM	50	50	17.77	18.25	18.38	18.09	18.20	19.50
20	256QAM	100	0	16.78	17.20	17.36	17.08	17.13	18.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.79	20.83	20.83	20.81	20.84	22.00



FCC SAR Test Report

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15	QPSK	1	37	20.70	20.73	20.80	20.65	20.69	22.00
15	QPSK	1	74	20.65	20.57	20.70	20.58	20.57	22.00
15	QPSK	36	0	20.81	20.73	20.83	20.71	20.69	22.00
15	QPSK	36	20	20.60	20.61	20.76	20.55	20.54	22.00
15	QPSK	36	39	20.68	20.56	20.81	20.66	20.53	22.00
15	QPSK	75	0	20.70	20.70	20.76	20.79	20.73	22.00
15	16QAM	1	0	20.46	20.58	20.54	20.57	20.46	22.00
15	16QAM	1	37	20.48	20.53	20.64	20.63	20.51	22.00
15	16QAM	1	74	20.51	20.60	20.59	20.44	20.55	22.00
15	16QAM	36	0	20.53	20.58	20.63	20.54	20.59	22.00
15	16QAM	36	20	20.51	20.56	20.73	20.60	20.63	22.00
15	16QAM	36	39	20.44	20.63	20.58	20.37	20.50	22.00
15	16QAM	75	0	19.69	20.15	20.28	20.12	20.24	21.50
15	64QAM	1	0	20.58	20.62	20.77	20.58	20.55	22.00
15	64QAM	1	37	20.67	20.65	20.73	20.53	20.75	22.00
15	64QAM	1	74	20.57	20.49	20.69	20.54	20.53	22.00
15	64QAM	36	0	19.63	20.27	20.29	19.99	20.28	21.50
15	64QAM	36	20	19.49	20.21	20.30	20.15	20.16	21.50
15	64QAM	36	39	19.58	20.30	20.29	20.06	20.20	21.50
15	64QAM	75	0	18.63	19.24	19.35	19.09	19.14	20.50
15	256QAM	1	0	17.76	18.38	18.51	18.22	18.41	19.50
15	256QAM	1	37	17.77	18.21	18.24	18.16	18.14	19.50
15	256QAM	1	74	17.71	18.21	18.35	18.06	18.23	19.50
15	256QAM	36	0	17.70	18.30	18.40	18.15	18.24	19.50
15	256QAM	36	20	17.78	18.21	18.35	18.13	18.06	19.50
15	256QAM	36	39	17.65	18.17	18.36	18.04	18.06	19.50
15	256QAM	75	0	16.70	17.14	17.26	17.05	17.06	18.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.82	20.87	20.84	20.75	20.89	22.00
10	QPSK	1	25	20.61	20.78	20.73	20.69	20.62	22.00
10	QPSK	1	49	20.67	20.64	20.75	20.62	20.62	22.00
10	QPSK	25	0	20.76	20.71	20.86	20.75	20.80	22.00
10	QPSK	25	12	20.56	20.64	20.63	20.48	20.52	22.00
10	QPSK	25	25	20.75	20.61	20.69	20.64	20.58	22.00
10	QPSK	50	0	20.74	20.78	20.82	20.70	20.79	22.00
10	16QAM	1	0	20.56	20.47	20.63	20.48	20.59	22.00
10	16QAM	1	25	20.45	20.57	20.62	20.63	20.54	22.00
10	16QAM	1	49	20.44	20.56	20.57	20.47	20.59	22.00
10	16QAM	25	0	20.58	20.59	20.72	20.44	20.52	22.00
10	16QAM	25	12	20.58	20.63	20.73	20.48	20.55	22.00
10	16QAM	25	25	20.39	20.50	20.62	20.45	20.51	22.00
10	16QAM	50	0	19.65	20.21	20.32	20.11	20.20	21.50
10	64QAM	1	0	20.60	20.54	20.77	20.60	20.60	22.00
10	64QAM	1	25	20.74	20.63	20.79	20.57	20.75	22.00
10	64QAM	1	49	20.65	20.56	20.70	20.66	20.63	22.00
10	64QAM	25	0	19.58	20.30	20.31	20.00	20.18	21.50
10	64QAM	25	12	19.55	20.31	20.35	20.05	20.20	21.50
10	64QAM	25	25	19.49	20.33	20.32	19.98	20.18	21.50
10	64QAM	50	0	18.66	19.24	19.25	19.07	19.06	20.50
10	256QAM	1	0	17.72	18.46	18.48	18.23	18.31	19.50
10	256QAM	1	25	17.70	18.31	18.31	18.06	18.19	19.50
10	256QAM	1	49	17.64	18.23	18.38	18.03	18.20	19.50
10	256QAM	25	0	17.75	18.27	18.35	18.11	18.24	19.50
10	256QAM	25	12	17.71	18.17	18.32	18.08	18.05	19.50
10	256QAM	25	25	17.70	18.12	18.35	18.05	18.07	19.50
10	256QAM	50	0	16.64	17.12	17.33	17.01	17.08	18.50
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	20.89	20.84	20.82	20.84	20.81	22.00
5	QPSK	1	12	20.66	20.73	20.76	20.69	20.60	22.00
5	QPSK	1	24	20.67	20.57	20.66	20.59	20.51	22.00
5	QPSK	12	0	20.77	20.70	20.85	20.69	20.81	22.00
5	QPSK	12	7	20.52	20.59	20.65	20.50	20.62	22.00
5	QPSK	12	13	20.63	20.58	20.76	20.65	20.59	22.00
5	QPSK	25	0	20.75	20.74	20.85	20.74	20.68	22.00
5	16QAM	1	0	20.53	20.60	20.61	20.55	20.50	22.00
5	16QAM	1	12	20.50	20.49	20.66	20.64	20.55	22.00
5	16QAM	1	24	20.45	20.52	20.59	20.54	20.53	22.00
5	16QAM	12	0	20.57	20.64	20.66	20.57	20.46	22.00
5	16QAM	12	7	20.50	20.63	20.75	20.59	20.57	22.00
5	16QAM	12	13	20.40	20.61	20.56	20.47	20.38	22.00
5	16QAM	25	0	19.63	20.19	20.26	20.17	20.17	21.50
5	64QAM	1	0	20.60	20.58	20.79	20.64	20.53	22.00
5	64QAM	1	12	20.67	20.64	20.78	20.62	20.65	22.00
5	64QAM	1	24	20.58	20.60	20.71	20.61	20.53	22.00



5	64QAM	12	0	19.67	20.26	20.34	20.09	20.26	21.50
5	64QAM	12	7	19.61	20.19	20.36	20.14	20.25	21.50
5	64QAM	12	13	19.59	20.21	20.38	19.98	20.07	21.50
5	64QAM	25	0	18.66	19.18	19.30	19.10	19.16	20.50
5	256QAM	1	0	17.73	18.36	18.45	18.27	18.35	19.50
5	256QAM	1	12	17.70	18.31	18.33	18.16	18.15	19.50
5	256QAM	1	24	17.62	18.24	18.37	18.00	18.22	19.50
5	256QAM	12	0	17.66	18.25	18.37	18.13	18.28	19.50
5	256QAM	12	7	17.81	18.15	18.35	18.09	18.06	19.50
5	256QAM	12	13	17.75	18.16	18.31	18.00	18.14	19.50
5	256QAM	25	0	16.77	17.12	17.33	16.99	17.02	18.50

【LTE Band 41__FCC (2496~2690MHz)_Ant 5_EC14】

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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.90	20.91	20.93	20.89	20.91	22.00
20	QPSK	1	49	20.73	20.83	20.87	20.75	20.70	22.00
20	QPSK	1	99	20.71	20.67	20.78	20.67	20.63	22.00
20	QPSK	50	0	20.83	20.81	20.88	20.83	20.84	22.00
20	QPSK	50	24	20.65	20.73	20.78	20.61	20.65	22.00
20	QPSK	50	50	20.78	20.70	20.84	20.75	20.67	22.00
20	QPSK	100	0	20.84	20.83	20.86	20.85	20.82	22.00
20	16QAM	1	0	20.58	20.61	20.69	20.62	20.60	22.00
20	16QAM	1	49	20.58	20.63	20.74	20.68	20.61	22.00
20	16QAM	1	99	20.57	20.63	20.68	20.58	20.63	22.00
20	16QAM	50	0	20.68	20.67	20.74	20.59	20.60	22.00
20	16QAM	50	24	20.62	20.67	20.77	20.63	20.65	22.00
20	16QAM	50	50	20.53	20.64	20.68	20.52	20.52	22.00
20	16QAM	100	0	19.77	20.28	20.38	20.20	20.28	21.50
20	64QAM	1	0	20.71	20.68	20.83	20.66	20.66	22.00
20	64QAM	1	49	20.78	20.66	20.82	20.64	20.79	22.00
20	64QAM	1	99	20.69	20.62	20.73	20.67	20.64	22.00
20	64QAM	50	0	19.73	20.34	20.43	20.12	20.31	21.50
20	64QAM	50	24	19.64	20.33	20.38	20.19	20.26	21.50
20	64QAM	50	50	19.63	20.34	20.39	20.07	20.22	21.50
20	64QAM	100	0	18.73	19.27	19.37	19.17	19.19	20.50
20	256QAM	1	0	17.82	18.48	18.53	18.32	18.42	19.50
20	256QAM	1	49	17.79	18.35	18.39	18.19	18.26	19.50
20	256QAM	1	99	17.74	18.32	18.40	18.14	18.26	19.50
20	256QAM	50	0	17.77	18.35	18.43	18.17	18.32	19.50
20	256QAM	50	24	17.83	18.27	18.40	18.20	18.16	19.50
20	256QAM	50	50	17.77	18.25	18.38	18.09	18.20	19.50
20	256QAM	100	0	16.78	17.20	17.36	17.08	17.13	18.50
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.79	20.83	20.83	20.81	20.84	22.00
15	QPSK	1	37	20.70	20.73	20.80	20.65	20.69	22.00
15	QPSK	1	74	20.65	20.57	20.70	20.58	20.57	22.00
15	QPSK	36	0	20.81	20.73	20.83	20.71	20.69	22.00
15	QPSK	36	20	20.60	20.61	20.76	20.55	20.54	22.00
15	QPSK	36	39	20.68	20.56	20.81	20.66	20.53	22.00
15	QPSK	75	0	20.70	20.70	20.76	20.79	20.73	22.00
15	16QAM	1	0	20.46	20.58	20.54	20.57	20.46	22.00
15	16QAM	1	37	20.48	20.53	20.64	20.63	20.51	22.00
15	16QAM	1	74	20.51	20.60	20.59	20.44	20.55	22.00
15	16QAM	36	0	20.53	20.58	20.63	20.54	20.59	22.00
15	16QAM	36	20	20.51	20.56	20.73	20.60	20.63	22.00
15	16QAM	36	39	20.44	20.63	20.58	20.37	20.50	22.00
15	16QAM	75	0	19.69	20.15	20.28	20.12	20.24	21.50
15	64QAM	1	0	20.58	20.62	20.77	20.58	20.55	22.00
15	64QAM	1	37	20.67	20.65	20.73	20.53	20.75	22.00
15	64QAM	1	74	20.57	20.49	20.69	20.54	20.53	22.00
15	64QAM	36	0	19.63	20.27	20.29	19.99	20.28	21.50
15	64QAM	36	20	19.49	20.21	20.30	20.15	20.16	21.50
15	64QAM	36	39	19.58	20.30	20.29	20.06	20.20	21.50
15	64QAM	75	0	18.63	19.24	19.35	19.09	19.14	20.50
15	256QAM	1	0	17.76	18.38	18.51	18.22	18.41	19.50
15	256QAM	1	37	17.77	18.21	18.24	18.16	18.14	19.50
15	256QAM	1	74	17.71	18.21	18.35	18.06	18.23	19.50



15	256QAM	36	0	17.70	18.30	18.40	18.15	18.24	19.50
15	256QAM	36	20	17.78	18.21	18.35	18.13	18.06	19.50
15	256QAM	36	39	17.65	18.17	18.36	18.04	18.06	19.50
15	256QAM	75	0	16.70	17.14	17.26	17.05	17.06	18.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.82	20.87	20.84	20.75	20.89	22.00
10	QPSK	1	25	20.61	20.78	20.73	20.69	20.62	22.00
10	QPSK	1	49	20.67	20.64	20.75	20.62	20.62	22.00
10	QPSK	25	0	20.76	20.71	20.86	20.75	20.80	22.00
10	QPSK	25	12	20.56	20.64	20.63	20.48	20.52	22.00
10	QPSK	25	25	20.75	20.61	20.69	20.64	20.58	22.00
10	QPSK	50	0	20.74	20.78	20.82	20.70	20.79	22.00
10	16QAM	1	0	20.56	20.47	20.63	20.48	20.59	22.00
10	16QAM	1	25	20.45	20.57	20.62	20.63	20.54	22.00
10	16QAM	1	49	20.44	20.56	20.57	20.47	20.59	22.00
10	16QAM	25	0	20.58	20.59	20.72	20.44	20.52	22.00
10	16QAM	25	12	20.58	20.63	20.73	20.48	20.55	22.00
10	16QAM	25	25	20.39	20.50	20.62	20.45	20.51	22.00
10	16QAM	50	0	19.65	20.21	20.32	20.11	20.20	21.50
10	64QAM	1	0	20.60	20.54	20.77	20.60	20.60	22.00
10	64QAM	1	25	20.74	20.63	20.79	20.57	20.75	22.00
10	64QAM	1	49	20.65	20.56	20.70	20.66	20.63	22.00
10	64QAM	25	0	19.58	20.30	20.31	20.00	20.18	21.50
10	64QAM	25	12	19.55	20.31	20.35	20.05	20.20	21.50
10	64QAM	25	25	19.49	20.33	20.32	19.98	20.18	21.50
10	64QAM	50	0	18.66	19.24	19.25	19.07	19.06	20.50
10	256QAM	1	0	17.72	18.46	18.48	18.23	18.31	19.50
10	256QAM	1	25	17.70	18.31	18.31	18.06	18.19	19.50
10	256QAM	1	49	17.64	18.23	18.38	18.03	18.20	19.50
10	256QAM	25	0	17.75	18.27	18.35	18.11	18.24	19.50
10	256QAM	25	12	17.71	18.17	18.32	18.08	18.05	19.50
10	256QAM	25	25	17.70	18.12	18.35	18.05	18.07	19.50
10	256QAM	50	0	16.64	17.12	17.33	17.01	17.08	18.50
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	20.89	20.84	20.82	20.84	20.81	22.00
5	QPSK	1	12	20.66	20.73	20.76	20.69	20.60	22.00
5	QPSK	1	24	20.67	20.57	20.66	20.59	20.51	22.00
5	QPSK	12	0	20.77	20.70	20.85	20.69	20.81	22.00
5	QPSK	12	7	20.52	20.59	20.65	20.50	20.62	22.00
5	QPSK	12	13	20.63	20.58	20.76	20.65	20.59	22.00
5	QPSK	25	0	20.75	20.74	20.85	20.74	20.68	22.00
5	16QAM	1	0	20.53	20.60	20.61	20.55	20.50	22.00
5	16QAM	1	12	20.50	20.49	20.66	20.64	20.55	22.00
5	16QAM	1	24	20.45	20.52	20.59	20.54	20.53	22.00
5	16QAM	12	0	20.57	20.64	20.66	20.57	20.46	22.00
5	16QAM	12	7	20.50	20.63	20.75	20.59	20.57	22.00
5	16QAM	12	13	20.40	20.61	20.56	20.47	20.38	22.00
5	16QAM	25	0	19.63	20.19	20.26	20.17	20.17	21.50
5	64QAM	1	0	20.60	20.58	20.79	20.64	20.53	22.00
5	64QAM	1	12	20.67	20.64	20.78	20.62	20.65	22.00
5	64QAM	1	24	20.58	20.60	20.71	20.61	20.53	22.00
5	64QAM	12	0	19.67	20.26	20.34	20.09	20.26	21.50
5	64QAM	12	7	19.61	20.19	20.36	20.14	20.25	21.50
5	64QAM	12	13	19.59	20.21	20.38	19.98	20.07	21.50
5	64QAM	25	0	18.66	19.18	19.30	19.10	19.16	20.50
5	256QAM	1	0	17.73	18.36	18.45	18.27	18.35	19.50
5	256QAM	1	12	17.70	18.31	18.33	18.16	18.15	19.50
5	256QAM	1	24	17.62	18.24	18.37	18.00	18.22	19.50
5	256QAM	12	0	17.66	18.25	18.37	18.13	18.28	19.50
5	256QAM	12	7	17.81	18.15	18.35	18.09	18.06	19.50
5	256QAM	12	13	17.75	18.16	18.31	18.00	18.14	19.50
5	256QAM	25	0	16.77	17.12	17.33	16.99	17.02	18.50

**【LTE Band 41__FCC (2496~2690MHz)_Ant 5_ECI5】**

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	20.50
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.27	19.22	19.30	19.26	19.21	20.50
20	QPSK	1	49	19.10	19.01	19.23	19.11	19.11	20.50
20	QPSK	1	99	19.07	19.10	19.19	19.02	18.99	20.50
20	QPSK	50	0	19.19	19.13	19.25	19.18	19.13	20.50
20	QPSK	50	24	19.07	19.08	19.18	19.00	19.07	20.50
20	QPSK	50	50	19.14	19.11	19.21	19.16	19.07	20.50
20	QPSK	100	0	18.99	18.93	19.16	19.01	19.02	20.50
20	16QAM	1	0	19.02	19.02	19.11	19.01	18.87	20.50
20	16QAM	1	49	19.01	19.03	19.13	19.00	18.95	20.50
20	16QAM	1	99	19.11	19.03	19.15	19.07	18.92	20.50
20	16QAM	50	0	18.97	18.93	19.04	18.95	18.90	20.50
20	16QAM	50	24	18.99	19.00	19.10	19.04	18.91	20.50
20	16QAM	50	50	19.04	18.95	19.10	18.98	18.97	20.50
20	16QAM	100	0	18.92	18.84	18.97	18.83	18.86	20.50
20	64QAM	1	0	18.90	18.87	19.05	18.98	18.83	20.50
20	64QAM	1	49	18.98	18.89	19.07	19.00	18.86	20.50
20	64QAM	1	99	18.95	18.85	19.04	18.97	18.94	20.50
20	64QAM	50	0	19.08	18.99	19.17	19.10	19.03	20.50
20	64QAM	50	24	19.08	19.04	19.19	19.10	19.03	20.50
20	64QAM	50	50	18.91	18.89	19.03	18.85	18.79	20.50
20	64QAM	100	0	18.93	18.81	19.00	18.89	18.84	20.50
20	256QAM	1	0	18.18	18.10	18.26	18.10	18.12	19.50
20	256QAM	1	49	18.12	18.02	18.22	18.07	18.04	19.50
20	256QAM	1	99	18.15	18.15	18.24	18.12	18.07	19.50
20	256QAM	50	0	18.06	18.03	18.21	18.06	18.11	19.50
20	256QAM	50	24	18.05	18.01	18.19	18.07	18.08	19.50
20	256QAM	50	50	18.05	18.04	18.16	18.05	18.04	19.50
20	256QAM	100	0	17.24	17.17	17.28	17.18	17.15	18.50
Channel				39725	40173	40620	41068	41515	20.50
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.16	19.09	19.23	19.20	19.12	20.50
15	QPSK	1	37	19.06	18.88	19.12	19.08	18.96	20.50
15	QPSK	1	74	18.99	19.00	19.14	18.93	18.87	20.50
15	QPSK	36	0	19.03	19.00	19.11	19.05	18.98	20.50
15	QPSK	36	20	18.97	18.95	19.06	18.89	18.96	20.50
15	QPSK	36	39	19.03	19.04	19.19	19.04	19.00	20.50
15	QPSK	75	0	18.96	18.79	19.09	18.91	18.89	20.50
15	16QAM	1	0	18.90	18.95	19.09	18.89	18.86	20.50
15	16QAM	1	37	18.91	18.92	19.08	18.92	18.91	20.50
15	16QAM	1	74	19.05	18.99	19.02	19.05	18.80	20.50
15	16QAM	36	0	18.84	18.80	18.94	18.91	18.80	20.50
15	16QAM	36	20	18.85	18.93	19.02	18.98	18.85	20.50
15	16QAM	36	39	18.94	18.92	18.98	18.90	18.93	20.50
15	16QAM	75	0	18.84	18.82	18.84	18.71	18.80	20.50
15	64QAM	1	0	18.76	18.81	18.95	18.96	18.82	20.50
15	64QAM	1	37	18.92	18.87	19.04	18.91	18.80	20.50
15	64QAM	1	74	18.89	18.78	19.01	18.85	18.79	20.50
15	64QAM	36	0	19.03	18.87	19.06	19.01	18.99	20.50
15	64QAM	36	20	19.01	18.94	19.15	18.96	18.91	20.50
15	64QAM	36	39	18.80	18.83	18.98	18.83	18.76	20.50
15	64QAM	75	0	18.84	18.75	18.94	18.82	18.79	20.50
15	256QAM	1	0	18.06	17.98	18.23	18.01	18.08	19.50
15	256QAM	1	37	18.04	18.01	18.12	17.97	17.99	19.50
15	256QAM	1	74	18.09	18.05	18.14	17.99	18.05	19.50
15	256QAM	36	0	17.98	17.90	18.19	17.94	18.04	19.50
15	256QAM	36	20	17.96	17.89	18.06	17.97	17.96	19.50
15	256QAM	36	39	17.97	17.92	18.15	17.94	18.02	19.50
15	256QAM	75	0	17.10	17.06	17.23	17.13	17.08	18.50
Channel				39700	40160	40620	41080	41540	20.50
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.13	19.16	19.27	19.21	19.08	20.50
10	QPSK	1	25	19.01	18.99	19.11	18.96	19.08	20.50
10	QPSK	1	49	19.00	18.97	19.12	18.96	18.87	20.50
10	QPSK	25	0	18.99	19.05	19.15	19.01	18.99	20.50
10	QPSK	25	12	19.03	18.95	19.08	18.89	18.97	20.50
10	QPSK	25	25	19.06	19.00	19.17	19.08	18.96	20.50
10	QPSK	50	0	18.94	18.82	19.04	18.88	18.91	20.50
10	16QAM	1	0	19.00	18.87	19.03	18.94	18.77	20.50
10	16QAM	1	25	18.95	18.91	19.00	18.86	18.80	20.50



10	16QAM	1	49	18.97	18.89	19.01	18.94	18.84	20.50
10	16QAM	25	0	18.93	18.84	18.99	18.83	18.80	20.50
10	16QAM	25	12	18.92	18.97	18.98	18.94	18.83	20.50
10	16QAM	25	25	18.98	18.81	19.09	18.88	18.95	20.50
10	16QAM	50	0	18.88	18.77	18.82	18.70	18.82	20.50
10	64QAM	1	0	18.77	18.76	18.93	18.90	18.68	20.50
10	64QAM	1	25	18.89	18.79	18.94	18.95	18.77	20.50
10	64QAM	1	49	18.91	18.83	18.93	18.85	18.86	20.50
10	64QAM	25	0	18.99	18.87	19.14	19.01	18.88	20.50
10	64QAM	25	12	18.96	18.98	19.18	18.96	18.94	20.50
10	64QAM	25	25	18.80	18.75	18.94	18.77	18.70	20.50
10	64QAM	50	0	18.87	18.71	18.87	18.85	18.70	20.50
10	256QAM	1	0	18.07	18.04	18.18	18.04	17.99	19.50
10	256QAM	1	25	18.09	18.00	18.07	17.92	17.91	19.50
10	256QAM	1	49	18.09	18.04	18.15	18.04	18.02	19.50
10	256QAM	25	0	17.97	17.97	18.14	17.94	17.96	19.50
10	256QAM	25	12	17.95	17.87	18.07	17.99	17.99	19.50
10	256QAM	25	25	18.03	17.90	18.14	17.95	18.01	19.50
10	256QAM	50	0	17.12	17.03	17.13	17.11	17.09	18.50
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	19.15	19.09	19.19	19.22	19.07	20.50
5	QPSK	1	12	19.01	18.87	19.20	19.00	18.99	20.50
5	QPSK	1	24	19.04	19.09	19.06	19.01	18.91	20.50
5	QPSK	12	0	19.00	19.00	19.22	19.07	18.95	20.50
5	QPSK	12	7	19.06	19.06	19.15	18.92	19.02	20.50
5	QPSK	12	13	19.05	19.06	19.13	19.05	19.03	20.50
5	QPSK	25	0	18.85	18.88	19.10	18.99	18.87	20.50
5	16QAM	1	0	18.94	18.95	19.10	18.88	18.86	20.50
5	16QAM	1	12	18.87	18.92	19.05	18.94	18.94	20.50
5	16QAM	1	24	19.09	19.02	19.13	18.94	18.77	20.50
5	16QAM	12	0	18.92	18.78	19.01	18.85	18.89	20.50
5	16QAM	12	7	18.87	18.85	18.96	18.95	18.89	20.50
5	16QAM	12	13	18.97	18.83	18.96	18.94	18.90	20.50
5	16QAM	25	0	18.90	18.71	18.83	18.79	18.82	20.50
5	64QAM	1	0	18.77	18.73	18.92	18.93	18.79	20.50
5	64QAM	1	12	18.85	18.81	19.03	18.85	18.74	20.50
5	64QAM	1	24	18.84	18.71	19.01	18.83	18.86	20.50
5	64QAM	12	0	19.01	18.91	19.05	19.03	18.88	20.50
5	64QAM	12	7	18.94	19.02	19.06	19.08	18.98	20.50
5	64QAM	12	13	18.88	18.87	18.94	18.79	18.70	20.50
5	64QAM	25	0	18.88	18.78	18.97	18.75	18.69	20.50
5	256QAM	1	0	18.04	18.00	18.12	18.07	18.05	19.50
5	256QAM	1	12	18.04	18.00	18.09	18.03	17.94	19.50
5	256QAM	1	24	18.10	18.01	18.11	17.98	17.97	19.50
5	256QAM	12	0	17.95	17.96	18.13	17.92	18.00	19.50
5	256QAM	12	7	17.99	17.97	18.16	18.03	18.03	19.50
5	256QAM	12	13	18.01	17.93	18.06	18.03	17.90	19.50
5	256QAM	25	0	17.10	17.13	17.24	17.06	17.12	18.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	25.33	25.45	25.25	
20	QPSK	1	49	25.20	25.45	25.17	26.00
20	QPSK	1	99	25.11	25.37	25.14	26.00
20	QPSK	50	0	24.47	24.64	24.47	25.00
20	QPSK	50	24	24.44	24.62	24.41	25.00
20	QPSK	50	50	24.42	24.61	24.39	25.00
20	QPSK	100	0	24.43	24.60	24.37	25.00
20	16QAM	1	0	24.51	24.78	24.44	25.00
20	16QAM	1	49	24.53	24.75	24.46	25.00
20	16QAM	1	99	24.49	24.72	24.43	25.00
20	16QAM	50	0	23.45	23.68	23.44	24.00
20	16QAM	50	24	23.52	23.64	23.31	24.00
20	16QAM	50	50	23.47	23.65	23.38	24.00
20	16QAM	100	0	23.49	23.66	23.36	24.00
20	64QAM	1	0	23.10	23.30	22.98	24.00
20	64QAM	1	49	23.12	23.26	22.93	24.00



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20	64QAM	1	99	23.07	23.22	23.02	24.00
20	64QAM	50	0	22.50	22.67	22.36	23.00
20	64QAM	50	24	22.52	22.64	22.33	23.00
20	64QAM	50	50	22.38	22.62	22.38	23.00
20	64QAM	100	0	22.49	22.63	22.32	23.00
20	256QAM	1	0	20.39	20.53	20.33	21.00
20	256QAM	1	49	20.37	20.53	20.30	21.00
20	256QAM	1	99	20.31	20.52	20.25	21.00
20	256QAM	50	0	20.44	20.68	20.48	21.00
20	256QAM	50	24	20.49	20.67	20.39	21.00
20	256QAM	50	50	20.47	20.67	20.47	21.00
20	256QAM	100	0	20.46	20.65	20.43	21.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	25.24	25.32	25.19	26.00
15	QPSK	1	37	25.09	25.44	25.07	26.00
15	QPSK	1	74	24.96	25.36	25.11	26.00
15	QPSK	36	0	24.42	24.53	24.34	25.00
15	QPSK	36	20	24.42	24.49	24.37	25.00
15	QPSK	36	39	24.34	24.49	24.31	25.00
15	QPSK	75	0	24.36	24.49	24.30	25.00
15	16QAM	1	0	24.48	24.67	24.41	25.00
15	16QAM	1	37	24.50	24.62	24.44	25.00
15	16QAM	1	74	24.45	24.67	24.30	25.00
15	16QAM	36	0	23.33	23.64	23.34	24.00
15	16QAM	36	20	23.39	23.53	23.22	24.00
15	16QAM	36	39	23.44	23.62	23.27	24.00
15	16QAM	75	0	23.40	23.63	23.22	24.00
15	64QAM	1	0	22.98	23.27	22.94	24.00
15	64QAM	1	37	23.00	23.13	22.82	24.00
15	64QAM	1	74	22.93	23.18	22.90	24.00
15	64QAM	36	0	22.44	22.55	22.32	23.00
15	64QAM	36	20	22.49	22.62	22.23	23.00
15	64QAM	36	39	22.23	22.50	22.30	23.00
15	64QAM	75	0	22.35	22.52	22.22	23.00
15	256QAM	1	0	20.26	20.42	20.20	21.00
15	256QAM	1	37	20.25	20.38	20.21	21.00
15	256QAM	1	74	20.29	20.40	20.10	21.00
15	256QAM	36	0	20.36	20.56	20.43	21.00
15	256QAM	36	20	20.35	20.66	20.24	21.00
15	256QAM	36	39	20.41	20.62	20.37	21.00
15	256QAM	75	0	20.36	20.59	20.30	21.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	25.27	25.41	25.14	26.00
10	QPSK	1	25	25.18	25.34	25.16	26.00
10	QPSK	1	49	25.02	25.25	25.11	26.00
10	QPSK	25	0	24.35	24.57	24.35	25.00
10	QPSK	25	12	24.39	24.60	24.33	25.00
10	QPSK	25	25	24.29	24.58	24.29	25.00
10	QPSK	50	0	24.41	24.55	24.24	25.00
10	16QAM	1	0	24.47	24.71	24.40	25.00
10	16QAM	1	25	24.41	24.62	24.38	25.00
10	16QAM	1	49	24.46	24.68	24.34	25.00
10	16QAM	25	0	23.38	23.54	23.40	24.00
10	16QAM	25	12	23.51	23.62	23.29	24.00
10	16QAM	25	25	23.39	23.60	23.26	24.00
10	16QAM	50	0	23.48	23.57	23.30	24.00
10	64QAM	1	0	23.08	23.20	22.89	24.00
10	64QAM	1	25	23.09	23.12	22.91	24.00
10	64QAM	1	49	22.96	23.10	22.97	24.00
10	64QAM	25	0	22.36	22.65	22.27	23.00
10	64QAM	25	12	22.38	22.56	22.20	23.00
10	64QAM	25	25	22.32	22.52	22.27	23.00
10	64QAM	50	0	22.39	22.54	22.20	23.00
10	256QAM	1	0	20.26	20.48	20.27	21.00
10	256QAM	1	25	20.36	20.49	20.15	21.00
10	256QAM	1	49	20.24	20.50	20.23	21.00
10	256QAM	25	0	20.39	20.63	20.35	21.00
10	256QAM	25	12	20.38	20.60	20.29	21.00
10	256QAM	25	25	20.34	20.61	20.45	21.00
10	256QAM	50	0	20.44	20.57	20.41	21.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	25.19	25.31	25.16	26.00
5	QPSK	1	12	25.09	25.35	25.09	26.00
5	QPSK	1	24	25.02	25.34	25.00	26.00
5	QPSK	12	0	24.41	24.57	24.37	25.00



5	QPSK	12	7	24.40	24.54	24.37	25.00
5	QPSK	12	13	24.40	24.60	24.34	25.00
5	QPSK	25	0	24.42	24.53	24.32	25.00
5	16QAM	1	0	24.41	24.68	24.35	25.00
5	16QAM	1	12	24.50	24.71	24.42	25.00
5	16QAM	1	24	24.43	24.69	24.33	25.00
5	16QAM	12	0	23.34	23.64	23.31	24.00
5	16QAM	12	7	23.48	23.60	23.17	24.00
5	16QAM	12	13	23.34	23.61	23.35	24.00
5	16QAM	25	0	23.47	23.59	23.29	24.00
5	64QAM	1	0	23.06	23.16	22.94	24.00
5	64QAM	1	12	23.08	23.18	22.84	24.00
5	64QAM	1	24	23.04	23.09	22.98	24.00
5	64QAM	12	0	22.42	22.58	22.34	23.00
5	64QAM	12	7	22.45	22.50	22.25	23.00
5	64QAM	12	13	22.35	22.47	22.26	23.00
5	64QAM	25	0	22.47	22.58	22.23	23.00
5	256QAM	1	0	20.27	20.46	20.24	21.00
5	256QAM	1	12	20.22	20.43	20.24	21.00
5	256QAM	1	24	20.27	20.38	20.17	21.00
5	256QAM	12	0	20.38	20.58	20.46	21.00
5	256QAM	12	7	20.44	20.59	20.31	21.00
5	256QAM	12	13	20.38	20.53	20.32	21.00
5	256QAM	25	0	20.42	20.53	20.38	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.98	16.03	15.96	16.50
20	QPSK	1	49	15.62	15.76	15.55	16.50
20	QPSK	1	99	15.71	15.80	15.62	16.50
20	QPSK	50	0	15.79	15.88	15.81	16.50
20	QPSK	50	24	15.61	15.77	15.67	16.50
20	QPSK	50	50	15.57	15.76	15.56	16.50
20	QPSK	100	0	15.75	15.82	15.74	16.50
20	16QAM	1	0	15.68	15.78	15.63	16.50
20	16QAM	1	49	15.68	15.77	15.60	16.50
20	16QAM	1	99	15.59	15.77	15.66	16.50
20	16QAM	50	0	15.80	15.89	15.71	16.50
20	16QAM	50	24	15.71	15.90	15.68	16.50
20	16QAM	50	50	15.70	15.80	15.66	16.50
20	16QAM	100	0	15.85	15.92	15.83	16.50
20	64QAM	1	0	15.82	15.91	15.75	16.50
20	64QAM	1	49	15.65	15.84	15.70	16.50
20	64QAM	1	99	15.65	15.82	15.65	16.50
20	64QAM	50	0	15.80	15.89	15.80	16.50
20	64QAM	50	24	15.64	15.84	15.70	16.50
20	64QAM	50	50	15.70	15.86	15.75	16.50
20	64QAM	100	0	15.63	15.80	15.69	16.50
20	256QAM	1	0	15.82	15.90	15.72	16.50
20	256QAM	1	49	15.66	15.78	15.69	16.50
20	256QAM	1	99	15.66	15.83	15.64	16.50
20	256QAM	50	0	15.89	16.03	15.82	16.50
20	256QAM	50	24	15.68	15.76	15.58	16.50
20	256QAM	50	50	15.70	15.80	15.68	16.50
20	256QAM	100	0	15.70	15.88	15.67	16.50
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.95	15.89	15.85	16.50
15	QPSK	1	37	15.47	15.67	15.42	16.50
15	QPSK	1	74	15.65	15.74	15.50	16.50
15	QPSK	36	0	15.70	15.83	15.69	16.50
15	QPSK	36	20	15.55	15.66	15.58	16.50
15	QPSK	36	39	15.51	15.68	15.55	16.50
15	QPSK	75	0	15.68	15.71	15.63	16.50
15	16QAM	1	0	15.63	15.66	15.60	16.50
15	16QAM	1	37	15.60	15.68	15.50	16.50
15	16QAM	1	74	15.44	15.75	15.63	16.50
15	16QAM	36	0	15.70	15.85	15.69	16.50
15	16QAM	36	20	15.61	15.85	15.65	16.50



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15	16QAM	36	39	15.67	15.72	15.65	16.50
15	16QAM	75	0	15.80	15.90	15.79	16.50
15	64QAM	1	0	15.69	15.90	15.68	16.50
15	64QAM	1	37	15.60	15.75	15.65	16.50
15	64QAM	1	74	15.60	15.79	15.61	16.50
15	64QAM	36	0	15.71	15.87	15.71	16.50
15	64QAM	36	20	15.55	15.71	15.66	16.50
15	64QAM	36	39	15.66	15.72	15.66	16.50
15	64QAM	75	0	15.61	15.78	15.64	16.50
15	256QAM	1	0	15.71	15.86	15.66	16.50
15	256QAM	1	37	15.52	15.70	15.68	16.50
15	256QAM	1	74	15.56	15.77	15.55	16.50
15	256QAM	36	0	15.87	15.91	15.78	16.50
15	256QAM	36	20	15.63	15.69	15.56	16.50
15	256QAM	36	39	15.56	15.75	15.56	16.50
15	256QAM	75	0	15.66	15.83	15.65	16.50
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.87	15.93	15.85	16.50
10	QPSK	1	25	15.59	15.64	15.49	16.50
10	QPSK	1	49	15.61	15.77	15.51	16.50
10	QPSK	25	0	15.71	15.76	15.78	16.50
10	QPSK	25	12	15.53	15.63	15.56	16.50
10	QPSK	25	25	15.45	15.65	15.51	16.50
10	QPSK	50	0	15.64	15.70	15.69	16.50
10	16QAM	1	0	15.62	15.70	15.60	16.50
10	16QAM	1	25	15.57	15.64	15.58	16.50
10	16QAM	1	49	15.46	15.67	15.58	16.50
10	16QAM	25	0	15.66	15.75	15.67	16.50
10	16QAM	25	12	15.67	15.84	15.62	16.50
10	16QAM	25	25	15.56	15.69	15.60	16.50
10	16QAM	50	0	15.74	15.82	15.82	16.50
10	64QAM	1	0	15.75	15.87	15.70	16.50
10	64QAM	1	25	15.54	15.75	15.65	16.50
10	64QAM	1	49	15.61	15.79	15.54	16.50
10	64QAM	25	0	15.76	15.74	15.73	16.50
10	64QAM	25	12	15.61	15.72	15.65	16.50
10	64QAM	25	25	15.63	15.84	15.63	16.50
10	64QAM	50	0	15.48	15.67	15.56	16.50
10	256QAM	1	0	15.73	15.85	15.68	16.50
10	256QAM	1	25	15.57	15.72	15.56	16.50
10	256QAM	1	49	15.51	15.72	15.62	16.50
10	256QAM	25	0	15.87	15.91	15.78	16.50
10	256QAM	25	12	15.54	15.66	15.47	16.50
10	256QAM	25	25	15.66	15.70	15.65	16.50
10	256QAM	50	0	15.56	15.76	15.61	16.50
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.93	15.91	15.84	16.50
5	QPSK	1	12	15.58	15.68	15.49	16.50
5	QPSK	1	24	15.66	15.70	15.56	16.50
5	QPSK	12	0	15.65	15.86	15.69	16.50
5	QPSK	12	7	15.48	15.62	15.61	16.50
5	QPSK	12	13	15.54	15.63	15.48	16.50
5	QPSK	25	0	15.68	15.71	15.65	16.50
5	16QAM	1	0	15.65	15.67	15.58	16.50
5	16QAM	1	12	15.58	15.68	15.50	16.50
5	16QAM	1	24	15.50	15.69	15.55	16.50
5	16QAM	12	0	15.74	15.85	15.64	16.50
5	16QAM	12	7	15.68	15.81	15.59	16.50
5	16QAM	12	13	15.61	15.75	15.59	16.50
5	16QAM	25	0	15.79	15.79	15.81	16.50
5	64QAM	1	0	15.76	15.84	15.64	16.50
5	64QAM	1	12	15.52	15.71	15.58	16.50
5	64QAM	1	24	15.62	15.79	15.52	16.50
5	64QAM	12	0	15.78	15.77	15.71	16.50
5	64QAM	12	7	15.57	15.74	15.56	16.50
5	64QAM	12	13	15.67	15.80	15.63	16.50
5	64QAM	25	0	15.51	15.75	15.65	16.50
5	256QAM	1	0	15.72	15.81	15.68	16.50
5	256QAM	1	12	15.56	15.69	15.62	16.50
5	256QAM	1	24	15.56	15.69	15.56	16.50
5	256QAM	12	0	15.81	15.93	15.67	16.50
5	256QAM	12	7	15.66	15.73	15.53	16.50
5	256QAM	12	13	15.65	15.78	15.56	16.50
5	256QAM	25	0	15.64	15.79	15.60	16.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_EC13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	21.63	21.68	21.66	22.00
20	QPSK	1	49	21.37	21.51	21.45	22.00
20	QPSK	1	99	21.24	21.43	21.36	22.00
20	QPSK	50	0	21.53	21.59	21.55	22.00
20	QPSK	50	24	21.39	21.45	21.32	22.00
20	QPSK	50	50	21.32	21.43	21.32	22.00
20	QPSK	100	0	21.52	21.54	21.53	22.00
20	16QAM	1	0	21.32	21.48	21.39	22.00
20	16QAM	1	49	21.26	21.41	21.33	22.00
20	16QAM	1	99	21.36	21.50	21.40	22.00
20	16QAM	50	0	21.43	21.49	21.36	22.00
20	16QAM	50	24	21.31	21.37	21.27	22.00
20	16QAM	50	50	21.37	21.46	21.36	22.00
20	16QAM	100	0	21.33	21.46	21.38	22.00
20	64QAM	1	0	21.27	21.45	21.39	22.00
20	64QAM	1	49	21.35	21.46	21.29	22.00
20	64QAM	1	99	21.29	21.47	21.36	22.00
20	64QAM	50	0	21.32	21.40	21.23	22.00
20	64QAM	50	24	21.30	21.43	21.35	22.00
20	64QAM	50	50	21.33	21.41	21.26	22.00
20	64QAM	100	0	21.23	21.39	21.25	22.00
20	256QAM	1	0	20.39	20.53	20.33	21.00
20	256QAM	1	49	20.37	20.53	20.30	21.00
20	256QAM	1	99	20.31	20.52	20.25	21.00
20	256QAM	50	0	20.44	20.68	20.48	21.00
20	256QAM	50	24	20.49	20.67	20.39	21.00
20	256QAM	50	50	20.47	20.67	20.47	21.00
20	256QAM	100	0	20.46	20.65	20.43	21.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.49	21.59	21.62	22.00
15	QPSK	1	37	21.30	21.42	21.31	22.00
15	QPSK	1	74	21.18	21.29	21.33	22.00
15	QPSK	36	0	21.48	21.53	21.48	22.00
15	QPSK	36	20	21.25	21.32	21.24	22.00
15	QPSK	36	39	21.19	21.31	21.21	22.00
15	QPSK	75	0	21.39	21.40	21.41	22.00
15	16QAM	1	0	21.25	21.40	21.30	22.00
15	16QAM	1	37	21.14	21.30	21.23	22.00
15	16QAM	1	74	21.28	21.39	21.28	22.00
15	16QAM	36	0	21.37	21.40	21.32	22.00
15	16QAM	36	20	21.30	21.36	21.13	22.00
15	16QAM	36	39	21.29	21.43	21.35	22.00
15	16QAM	75	0	21.29	21.34	21.32	22.00
15	64QAM	1	0	21.13	21.40	21.28	22.00
15	64QAM	1	37	21.28	21.42	21.18	22.00
15	64QAM	1	74	21.22	21.35	21.26	22.00
15	64QAM	36	0	21.25	21.32	21.12	22.00
15	64QAM	36	20	21.22	21.34	21.34	22.00
15	64QAM	36	39	21.25	21.27	21.17	22.00
15	64QAM	75	0	21.15	21.33	21.15	22.00
15	256QAM	1	0	20.27	20.41	20.18	21.00
15	256QAM	1	37	20.25	20.51	20.17	21.00
15	256QAM	1	74	20.25	20.37	20.21	21.00
15	256QAM	36	0	20.31	20.63	20.42	21.00
15	256QAM	36	20	20.47	20.66	20.36	21.00
15	256QAM	36	39	20.35	20.63	20.45	21.00
15	256QAM	75	0	20.32	20.62	20.34	21.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	21.50	21.61	21.60	22.00
10	QPSK	1	25	21.26	21.49	21.37	22.00
10	QPSK	1	49	21.09	21.29	21.27	22.00
10	QPSK	25	0	21.38	21.45	21.44	22.00
10	QPSK	25	12	21.29	21.31	21.23	22.00
10	QPSK	25	25	21.23	21.31	21.30	22.00
10	QPSK	50	0	21.40	21.47	21.51	22.00
10	16QAM	1	0	21.17	21.35	21.29	22.00



10	16QAM	1	25	21.21	21.35	21.23	22.00
10	16QAM	1	49	21.25	21.48	21.29	22.00
10	16QAM	25	0	21.39	21.43	21.31	22.00
10	16QAM	25	12	21.19	21.22	21.18	22.00
10	16QAM	25	25	21.26	21.44	21.31	22.00
10	16QAM	50	0	21.29	21.41	21.35	22.00
10	64QAM	1	0	21.20	21.36	21.33	22.00
10	64QAM	1	25	21.29	21.33	21.23	22.00
10	64QAM	1	49	21.16	21.42	21.21	22.00
10	64QAM	25	0	21.26	21.32	21.17	22.00
10	64QAM	25	12	21.28	21.34	21.24	22.00
10	64QAM	25	25	21.24	21.38	21.19	22.00
10	64QAM	50	0	21.19	21.26	21.20	22.00
10	256QAM	1	0	20.28	20.44	20.25	21.00
10	256QAM	1	25	20.31	20.41	20.17	21.00
10	256QAM	1	49	20.20	20.37	20.13	21.00
10	256QAM	25	0	20.34	20.61	20.40	21.00
10	256QAM	25	12	20.43	20.54	20.34	21.00
10	256QAM	25	25	20.38	20.61	20.46	21.00
10	256QAM	50	0	20.42	20.58	20.32	21.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	21.52	21.60	21.57	22.00
5	QPSK	1	12	21.23	21.43	21.38	22.00
5	QPSK	1	24	21.23	21.31	21.34	22.00
5	QPSK	12	0	21.45	21.55	21.42	22.00
5	QPSK	12	7	21.37	21.44	21.17	22.00
5	QPSK	12	13	21.29	21.28	21.27	22.00
5	QPSK	25	0	21.51	21.40	21.42	22.00
5	16QAM	1	0	21.25	21.36	21.29	22.00
5	16QAM	1	12	21.12	21.36	21.26	22.00
5	16QAM	1	24	21.30	21.35	21.36	22.00
5	16QAM	12	0	21.35	21.46	21.27	22.00
5	16QAM	12	7	21.28	21.35	21.26	22.00
5	16QAM	12	13	21.24	21.35	21.23	22.00
5	16QAM	25	0	21.23	21.43	21.23	22.00
5	64QAM	1	0	21.16	21.42	21.29	22.00
5	64QAM	1	12	21.24	21.42	21.27	22.00
5	64QAM	1	24	21.21	21.46	21.27	22.00
5	64QAM	12	0	21.19	21.32	21.18	22.00
5	64QAM	12	7	21.18	21.34	21.30	22.00
5	64QAM	12	13	21.21	21.35	21.13	22.00
5	64QAM	25	0	21.08	21.33	21.21	22.00
5	256QAM	1	0	20.31	20.48	20.23	21.00
5	256QAM	1	12	20.27	20.39	20.25	21.00
5	256QAM	1	24	20.24	20.43	20.18	21.00
5	256QAM	12	0	20.35	20.67	20.37	21.00
5	256QAM	12	7	20.45	20.60	20.34	21.00
5	256QAM	12	13	20.46	20.55	20.44	21.00
5	256QAM	25	0	20.41	20.58	20.36	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_EC14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	25.33	25.45	25.25	26.00
20	QPSK	1	49	25.20	25.45	25.17	26.00
20	QPSK	1	99	25.11	25.37	25.14	26.00
20	QPSK	50	0	24.47	24.64	24.47	25.00
20	QPSK	50	24	24.44	24.62	24.41	25.00
20	QPSK	50	50	24.42	24.61	24.39	25.00
20	QPSK	100	0	24.43	24.60	24.37	25.00
20	16QAM	1	0	24.51	24.78	24.44	25.00
20	16QAM	1	49	24.53	24.75	24.46	25.00
20	16QAM	1	99	24.49	24.72	24.43	25.00
20	16QAM	50	0	23.45	23.68	23.44	24.00
20	16QAM	50	24	23.52	23.64	23.31	24.00
20	16QAM	50	50	23.47	23.65	23.38	24.00
20	16QAM	100	0	23.49	23.66	23.36	24.00
20	64QAM	1	0	23.10	23.30	22.98	24.00
20	64QAM	1	49	23.12	23.26	22.93	24.00



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20	64QAM	1	99	23.07	23.22	23.02	24.00
20	64QAM	50	0	22.50	22.67	22.36	23.00
20	64QAM	50	24	22.52	22.64	22.33	23.00
20	64QAM	50	50	22.38	22.62	22.38	23.00
20	64QAM	100	0	22.49	22.63	22.32	23.00
20	256QAM	1	0	20.39	20.53	20.33	21.00
20	256QAM	1	49	20.37	20.53	20.30	21.00
20	256QAM	1	99	20.31	20.52	20.25	21.00
20	256QAM	50	0	20.44	20.68	20.48	21.00
20	256QAM	50	24	20.49	20.67	20.39	21.00
20	256QAM	50	50	20.47	20.67	20.47	21.00
20	256QAM	100	0	20.46	20.65	20.43	21.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	25.24	25.32	25.19	26.00
15	QPSK	1	37	25.09	25.44	25.07	26.00
15	QPSK	1	74	24.96	25.36	25.11	26.00
15	QPSK	36	0	24.42	24.53	24.34	25.00
15	QPSK	36	20	24.42	24.49	24.37	25.00
15	QPSK	36	39	24.34	24.49	24.31	25.00
15	QPSK	75	0	24.36	24.49	24.30	25.00
15	16QAM	1	0	24.48	24.67	24.41	25.00
15	16QAM	1	37	24.50	24.62	24.44	25.00
15	16QAM	1	74	24.45	24.67	24.30	25.00
15	16QAM	36	0	23.33	23.64	23.34	24.00
15	16QAM	36	20	23.39	23.53	23.22	24.00
15	16QAM	36	39	23.44	23.62	23.27	24.00
15	16QAM	75	0	23.40	23.63	23.22	24.00
15	64QAM	1	0	22.98	23.27	22.94	24.00
15	64QAM	1	37	23.00	23.13	22.82	24.00
15	64QAM	1	74	22.93	23.18	22.90	24.00
15	64QAM	36	0	22.44	22.55	22.32	23.00
15	64QAM	36	20	22.49	22.62	22.23	23.00
15	64QAM	36	39	22.23	22.50	22.30	23.00
15	64QAM	75	0	22.35	22.52	22.22	23.00
15	256QAM	1	0	20.26	20.42	20.20	21.00
15	256QAM	1	37	20.25	20.38	20.21	21.00
15	256QAM	1	74	20.29	20.40	20.10	21.00
15	256QAM	36	0	20.36	20.56	20.43	21.00
15	256QAM	36	20	20.35	20.66	20.24	21.00
15	256QAM	36	39	20.41	20.62	20.37	21.00
15	256QAM	75	0	20.36	20.59	20.30	21.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	25.27	25.41	25.14	26.00
10	QPSK	1	25	25.18	25.34	25.16	26.00
10	QPSK	1	49	25.02	25.25	25.11	26.00
10	QPSK	25	0	24.35	24.57	24.35	25.00
10	QPSK	25	12	24.39	24.60	24.33	25.00
10	QPSK	25	25	24.29	24.58	24.29	25.00
10	QPSK	50	0	24.41	24.55	24.24	25.00
10	16QAM	1	0	24.47	24.71	24.40	25.00
10	16QAM	1	25	24.41	24.62	24.38	25.00
10	16QAM	1	49	24.46	24.68	24.34	25.00
10	16QAM	25	0	23.38	23.54	23.40	24.00
10	16QAM	25	12	23.51	23.62	23.29	24.00
10	16QAM	25	25	23.39	23.60	23.26	24.00
10	16QAM	50	0	23.48	23.57	23.30	24.00
10	64QAM	1	0	23.08	23.20	22.89	24.00
10	64QAM	1	25	23.09	23.12	22.91	24.00
10	64QAM	1	49	22.96	23.10	22.97	24.00
10	64QAM	25	0	22.36	22.65	22.27	23.00
10	64QAM	25	12	22.38	22.56	22.20	23.00
10	64QAM	25	25	22.32	22.52	22.27	23.00
10	64QAM	50	0	22.39	22.54	22.20	23.00
10	256QAM	1	0	20.26	20.48	20.27	21.00
10	256QAM	1	25	20.36	20.49	20.15	21.00
10	256QAM	1	49	20.24	20.50	20.23	21.00
10	256QAM	25	0	20.39	20.63	20.35	21.00
10	256QAM	25	12	20.38	20.60	20.29	21.00
10	256QAM	25	25	20.34	20.61	20.45	21.00
10	256QAM	50	0	20.44	20.57	20.41	21.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	25.19	25.31	25.16	26.00
5	QPSK	1	12	25.09	25.35	25.09	26.00
5	QPSK	1	24	25.02	25.34	25.00	26.00
5	QPSK	12	0	24.41	24.57	24.37	25.00



5	QPSK	12	7	24.40	24.54	24.37	25.00
5	QPSK	12	13	24.40	24.60	24.34	25.00
5	QPSK	25	0	24.42	24.53	24.32	25.00
5	16QAM	1	0	24.41	24.68	24.35	25.00
5	16QAM	1	12	24.50	24.71	24.42	25.00
5	16QAM	1	24	24.43	24.69	24.33	25.00
5	16QAM	12	0	23.34	23.64	23.31	24.00
5	16QAM	12	7	23.48	23.60	23.17	24.00
5	16QAM	12	13	23.34	23.61	23.35	24.00
5	16QAM	25	0	23.47	23.59	23.29	24.00
5	64QAM	1	0	23.06	23.16	22.94	24.00
5	64QAM	1	12	23.08	23.18	22.84	24.00
5	64QAM	1	24	23.04	23.09	22.98	24.00
5	64QAM	12	0	22.42	22.58	22.34	23.00
5	64QAM	12	7	22.45	22.50	22.25	23.00
5	64QAM	12	13	22.35	22.47	22.26	23.00
5	64QAM	25	0	22.47	22.58	22.23	23.00
5	256QAM	1	0	20.27	20.46	20.24	21.00
5	256QAM	1	12	20.22	20.43	20.24	21.00
5	256QAM	1	24	20.27	20.38	20.17	21.00
5	256QAM	12	0	20.38	20.58	20.46	21.00
5	256QAM	12	7	20.44	20.59	20.31	21.00
5	256QAM	12	13	20.38	20.53	20.32	21.00
5	256QAM	25	0	20.42	20.53	20.38	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_ECI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.98	16.03	15.96	16.50
20	QPSK	1	49	15.62	15.76	15.55	16.50
20	QPSK	1	99	15.71	15.80	15.62	16.50
20	QPSK	50	0	15.79	15.88	15.81	16.50
20	QPSK	50	24	15.61	15.77	15.67	16.50
20	QPSK	50	50	15.57	15.76	15.56	16.50
20	QPSK	100	0	15.75	15.82	15.74	16.50
20	16QAM	1	0	15.68	15.78	15.63	16.50
20	16QAM	1	49	15.68	15.77	15.60	16.50
20	16QAM	1	99	15.59	15.77	15.66	16.50
20	16QAM	50	0	15.80	15.89	15.71	16.50
20	16QAM	50	24	15.71	15.90	15.68	16.50
20	16QAM	50	50	15.70	15.80	15.66	16.50
20	16QAM	100	0	15.85	15.92	15.83	16.50
20	64QAM	1	0	15.82	15.91	15.75	16.50
20	64QAM	1	49	15.65	15.84	15.70	16.50
20	64QAM	1	99	15.65	15.82	15.65	16.50
20	64QAM	50	0	15.80	15.89	15.80	16.50
20	64QAM	50	24	15.64	15.84	15.70	16.50
20	64QAM	50	50	15.70	15.86	15.75	16.50
20	64QAM	100	0	15.63	15.80	15.69	16.50
20	256QAM	1	0	15.82	15.90	15.72	16.50
20	256QAM	1	49	15.66	15.78	15.69	16.50
20	256QAM	1	99	15.66	15.83	15.64	16.50
20	256QAM	50	0	15.89	16.03	15.82	16.50
20	256QAM	50	24	15.68	15.76	15.58	16.50
20	256QAM	50	50	15.70	15.80	15.68	16.50
20	256QAM	100	0	15.70	15.88	15.67	16.50
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.95	15.89	15.85	16.50
15	QPSK	1	37	15.47	15.67	15.42	16.50
15	QPSK	1	74	15.65	15.74	15.50	16.50
15	QPSK	36	0	15.70	15.83	15.69	16.50
15	QPSK	36	20	15.55	15.66	15.58	16.50
15	QPSK	36	39	15.51	15.68	15.55	16.50
15	QPSK	75	0	15.68	15.71	15.63	16.50
15	16QAM	1	0	15.63	15.66	15.60	16.50
15	16QAM	1	37	15.60	15.68	15.50	16.50
15	16QAM	1	74	15.44	15.75	15.63	16.50
15	16QAM	36	0	15.70	15.85	15.69	16.50
15	16QAM	36	20	15.61	15.85	15.65	16.50



15	16QAM	36	39	15.67	15.72	15.65	16.50
15	16QAM	75	0	15.80	15.90	15.79	16.50
15	64QAM	1	0	15.69	15.90	15.68	16.50
15	64QAM	1	37	15.60	15.75	15.65	16.50
15	64QAM	1	74	15.60	15.79	15.61	16.50
15	64QAM	36	0	15.71	15.87	15.71	16.50
15	64QAM	36	20	15.55	15.71	15.66	16.50
15	64QAM	36	39	15.66	15.72	15.66	16.50
15	64QAM	75	0	15.61	15.78	15.64	16.50
15	256QAM	1	0	15.71	15.86	15.66	16.50
15	256QAM	1	37	15.52	15.70	15.68	16.50
15	256QAM	1	74	15.56	15.77	15.55	16.50
15	256QAM	36	0	15.87	15.91	15.78	16.50
15	256QAM	36	20	15.63	15.69	15.56	16.50
15	256QAM	36	39	15.56	15.75	15.56	16.50
15	256QAM	75	0	15.66	15.83	15.65	16.50
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.87	15.93	15.85	16.50
10	QPSK	1	25	15.59	15.64	15.49	16.50
10	QPSK	1	49	15.61	15.77	15.51	16.50
10	QPSK	25	0	15.71	15.76	15.78	16.50
10	QPSK	25	12	15.53	15.63	15.56	16.50
10	QPSK	25	25	15.45	15.65	15.51	16.50
10	QPSK	50	0	15.64	15.70	15.69	16.50
10	16QAM	1	0	15.62	15.70	15.60	16.50
10	16QAM	1	25	15.57	15.64	15.58	16.50
10	16QAM	1	49	15.46	15.67	15.58	16.50
10	16QAM	25	0	15.66	15.75	15.67	16.50
10	16QAM	25	12	15.67	15.84	15.62	16.50
10	16QAM	25	25	15.56	15.69	15.60	16.50
10	16QAM	50	0	15.74	15.82	15.82	16.50
10	64QAM	1	0	15.75	15.87	15.70	16.50
10	64QAM	1	25	15.54	15.75	15.65	16.50
10	64QAM	1	49	15.61	15.79	15.54	16.50
10	64QAM	25	0	15.76	15.74	15.73	16.50
10	64QAM	25	12	15.61	15.72	15.65	16.50
10	64QAM	25	25	15.63	15.84	15.63	16.50
10	64QAM	50	0	15.48	15.67	15.56	16.50
10	256QAM	1	0	15.73	15.85	15.68	16.50
10	256QAM	1	25	15.57	15.72	15.56	16.50
10	256QAM	1	49	15.51	15.72	15.62	16.50
10	256QAM	25	0	15.87	15.91	15.78	16.50
10	256QAM	25	12	15.54	15.66	15.47	16.50
10	256QAM	25	25	15.66	15.70	15.65	16.50
10	256QAM	50	0	15.56	15.76	15.61	16.50
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.93	15.91	15.84	16.50
5	QPSK	1	12	15.58	15.68	15.49	16.50
5	QPSK	1	24	15.66	15.70	15.56	16.50
5	QPSK	12	0	15.65	15.86	15.69	16.50
5	QPSK	12	7	15.48	15.62	15.61	16.50
5	QPSK	12	13	15.54	15.63	15.48	16.50
5	QPSK	25	0	15.68	15.71	15.65	16.50
5	16QAM	1	0	15.65	15.67	15.58	16.50
5	16QAM	1	12	15.58	15.68	15.50	16.50
5	16QAM	1	24	15.50	15.69	15.55	16.50
5	16QAM	12	0	15.74	15.85	15.64	16.50
5	16QAM	12	7	15.68	15.81	15.59	16.50
5	16QAM	12	13	15.61	15.75	15.59	16.50
5	16QAM	25	0	15.79	15.79	15.81	16.50
5	64QAM	1	0	15.76	15.84	15.64	16.50
5	64QAM	1	12	15.52	15.71	15.58	16.50
5	64QAM	1	24	15.62	15.79	15.52	16.50
5	64QAM	12	0	15.78	15.77	15.71	16.50
5	64QAM	12	7	15.57	15.74	15.56	16.50
5	64QAM	12	13	15.67	15.80	15.63	16.50
5	64QAM	25	0	15.51	15.75	15.65	16.50
5	256QAM	1	0	15.72	15.81	15.68	16.50
5	256QAM	1	12	15.56	15.69	15.62	16.50
5	256QAM	1	24	15.56	15.69	15.56	16.50
5	256QAM	12	0	15.81	15.93	15.67	16.50
5	256QAM	12	7	15.66	15.73	15.53	16.50
5	256QAM	12	13	15.65	15.78	15.56	16.50
5	256QAM	25	0	15.64	15.79	15.60	16.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_Default】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.43	23.52	23.51	24.50
20	QPSK	1	49	23.10	23.31	23.21	24.50
20	QPSK	1	99	23.22	23.32	23.27	24.50
20	QPSK	50	0	22.40	22.52	22.47	23.50
20	QPSK	50	24	22.35	22.48	22.33	23.50
20	QPSK	50	50	22.29	22.51	22.41	23.50
20	QPSK	100	0	22.35	22.46	22.39	23.50
20	16QAM	1	0	22.46	22.64	22.58	23.50
20	16QAM	1	49	22.52	22.63	22.51	23.50
20	16QAM	1	99	22.46	22.62	22.55	23.50
20	16QAM	50	0	21.34	21.53	21.50	22.50
20	16QAM	50	24	21.39	21.51	21.42	22.50
20	16QAM	50	50	21.34	21.55	21.42	22.50
20	16QAM	100	0	21.34	21.52	21.38	22.50
20	64QAM	1	0	21.22	21.35	21.27	22.50
20	64QAM	1	49	21.17	21.33	21.27	22.50
20	64QAM	1	99	21.16	21.31	21.26	22.50
20	64QAM	50	0	20.41	20.55	20.47	21.50
20	64QAM	50	24	20.43	20.56	20.49	21.50
20	64QAM	50	50	20.31	20.53	20.43	21.50
20	64QAM	100	0	20.38	20.49	20.42	21.50
20	256QAM	1	0	18.40	18.54	18.44	19.50
20	256QAM	1	49	18.33	18.55	18.43	19.50
20	256QAM	1	99	18.40	18.59	18.46	19.50
20	256QAM	50	0	18.50	18.61	18.55	19.50
20	256QAM	50	24	18.44	18.54	18.48	19.50
20	256QAM	50	50	18.45	18.62	18.51	19.50
20	256QAM	100	0	18.30	18.51	18.49	19.50
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.40	23.44	23.47	24.50
15	QPSK	1	37	23.05	23.25	23.08	24.50
15	QPSK	1	74	23.09	23.31	23.20	24.50
15	QPSK	36	0	22.33	22.48	22.35	23.50
15	QPSK	36	20	22.29	22.46	22.19	23.50
15	QPSK	36	39	22.23	22.49	22.39	23.50
15	QPSK	75	0	22.32	22.42	22.37	23.50
15	16QAM	1	0	22.37	22.60	22.56	23.50
15	16QAM	1	37	22.51	22.59	22.36	23.50
15	16QAM	1	74	22.35	22.50	22.41	23.50
15	16QAM	36	0	21.28	21.39	21.43	22.50
15	16QAM	36	20	21.27	21.43	21.36	22.50
15	16QAM	36	39	21.24	21.44	21.30	22.50
15	16QAM	75	0	21.20	21.46	21.37	22.50
15	64QAM	1	0	21.09	21.31	21.25	22.50
15	64QAM	1	37	21.14	21.24	21.21	22.50
15	64QAM	1	74	21.05	21.21	21.15	22.50
15	64QAM	36	0	20.31	20.51	20.44	21.50
15	64QAM	36	20	20.42	20.49	20.46	21.50
15	64QAM	36	39	20.27	20.39	20.30	21.50
15	64QAM	75	0	20.24	20.36	20.27	21.50
15	256QAM	1	0	18.34	18.49	18.39	19.50
15	256QAM	1	37	18.22	18.50	18.33	19.50
15	256QAM	1	74	18.32	18.55	18.36	19.50
15	256QAM	36	0	18.38	18.48	18.52	19.50
15	256QAM	36	20	18.35	18.44	18.38	19.50
15	256QAM	36	39	18.32	18.53	18.49	19.50
15	256QAM	75	0	18.15	18.44	18.40	19.50
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.29	23.42	23.46	24.50
10	QPSK	1	25	23.01	23.19	23.08	24.50
10	QPSK	1	49	23.08	23.24	23.23	24.50
10	QPSK	25	0	22.33	22.47	22.33	23.50
10	QPSK	25	12	22.21	22.34	22.19	23.50
10	QPSK	25	25	22.22	22.40	22.29	23.50
10	QPSK	50	0	22.29	22.44	22.26	23.50
10	16QAM	1	0	22.44	22.61	22.56	23.50



10	16QAM	1	25	22.45	22.56	22.43	23.50
10	16QAM	1	49	22.44	22.49	22.52	23.50
10	16QAM	25	0	21.28	21.52	21.44	22.50
10	16QAM	25	12	21.29	21.49	21.35	22.50
10	16QAM	25	25	21.29	21.53	21.38	22.50
10	16QAM	50	0	21.27	21.38	21.27	22.50
10	64QAM	1	0	21.12	21.23	21.16	22.50
10	64QAM	1	25	21.13	21.26	21.22	22.50
10	64QAM	1	49	21.08	21.27	21.15	22.50
10	64QAM	25	0	20.30	20.45	20.39	21.50
10	64QAM	25	12	20.30	20.54	20.34	21.50
10	64QAM	25	25	20.23	20.40	20.41	21.50
10	64QAM	50	0	20.29	20.45	20.28	21.50
10	256QAM	1	0	18.33	18.42	18.33	19.50
10	256QAM	1	25	18.19	18.44	18.37	19.50
10	256QAM	1	49	18.33	18.57	18.38	19.50
10	256QAM	25	0	18.41	18.54	18.44	19.50
10	256QAM	25	12	18.30	18.51	18.39	19.50
10	256QAM	25	25	18.41	18.60	18.43	19.50
10	256QAM	50	0	18.20	18.43	18.41	19.50
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.42	23.51	23.43	24.50
5	QPSK	1	12	23.00	23.23	23.19	24.50
5	QPSK	1	24	23.21	23.25	23.19	24.50
5	QPSK	12	0	22.29	22.40	22.26	23.50
5	QPSK	12	7	22.31	22.37	22.20	23.50
5	QPSK	12	13	22.24	22.38	22.37	23.50
5	QPSK	25	0	22.26	22.41	22.27	23.50
5	16QAM	1	0	22.40	22.50	22.56	23.50
5	16QAM	1	12	22.43	22.60	22.46	23.50
5	16QAM	1	24	22.40	22.52	22.41	23.50
5	16QAM	12	0	21.22	21.51	21.39	22.50
5	16QAM	12	7	21.28	21.40	21.32	22.50
5	16QAM	12	13	21.24	21.50	21.32	22.50
5	16QAM	25	0	21.19	21.45	21.28	22.50
5	64QAM	1	0	21.17	21.22	21.18	22.50
5	64QAM	1	12	21.11	21.19	21.20	22.50
5	64QAM	1	24	21.07	21.19	21.19	22.50
5	64QAM	12	0	20.28	20.53	20.35	21.50
5	64QAM	12	7	20.39	20.52	20.38	21.50
5	64QAM	12	13	20.22	20.51	20.29	21.50
5	64QAM	25	0	20.24	20.43	20.27	21.50
5	256QAM	1	0	18.27	18.49	18.38	19.50
5	256QAM	1	12	18.24	18.48	18.35	19.50
5	256QAM	1	24	18.32	18.45	18.34	19.50
5	256QAM	12	0	18.41	18.57	18.49	19.50
5	256QAM	12	7	18.32	18.48	18.39	19.50
5	256QAM	12	13	18.38	18.57	18.36	19.50
5	256QAM	25	0	18.22	18.36	18.37	19.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC11】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	18.01	18.05	17.96	19.00
20	QPSK	1	49	17.91	17.99	17.83	19.00
20	QPSK	1	99	17.76	17.92	17.69	19.00
20	QPSK	50	0	17.89	18.00	17.77	19.00
20	QPSK	50	24	17.83	17.93	17.78	19.00
20	QPSK	50	50	17.82	17.88	17.65	19.00
20	QPSK	100	0	17.88	17.96	17.86	19.00
20	16QAM	1	0	17.76	17.92	17.74	19.00
20	16QAM	1	49	17.67	17.83	17.67	19.00
20	16QAM	1	99	17.73	17.85	17.62	19.00
20	16QAM	50	0	17.76	17.94	17.74	19.00
20	16QAM	50	24	17.84	17.92	17.68	19.00
20	16QAM	50	50	17.71	17.82	17.60	19.00
20	16QAM	100	0	17.67	17.83	17.70	19.00
20	64QAM	1	0	17.73	17.91	17.79	19.00
20	64QAM	1	49	17.61	17.79	17.57	19.00



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20	64QAM	1	99	17.63	17.81	17.70	19.00
20	64QAM	50	0	17.67	17.81	17.61	19.00
20	64QAM	50	24	17.81	17.89	17.76	19.00
20	64QAM	50	50	17.76	17.88	17.73	19.00
20	64QAM	100	0	17.58	17.73	17.61	19.00
20	256QAM	1	0	17.86	17.94	17.75	19.00
20	256QAM	1	49	17.71	17.79	17.67	19.00
20	256QAM	1	99	17.68	17.74	17.58	19.00
20	256QAM	50	0	17.73	17.81	17.60	19.00
20	256QAM	50	24	17.64	17.82	17.60	19.00
20	256QAM	50	50	17.72	17.88	17.65	19.00
20	256QAM	100	0	17.56	17.74	17.60	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	17.92	18.02	17.81	19.00
15	QPSK	1	37	17.79	17.91	17.79	19.00
15	QPSK	1	74	17.67	17.86	17.63	19.00
15	QPSK	36	0	17.82	17.86	17.66	19.00
15	QPSK	36	20	17.74	17.83	17.73	19.00
15	QPSK	36	39	17.78	17.85	17.60	19.00
15	QPSK	75	0	17.86	17.95	17.79	19.00
15	16QAM	1	0	17.68	17.83	17.60	19.00
15	16QAM	1	37	17.57	17.72	17.61	19.00
15	16QAM	1	74	17.60	17.78	17.53	19.00
15	16QAM	36	0	17.73	17.79	17.62	19.00
15	16QAM	36	20	17.77	17.81	17.60	19.00
15	16QAM	36	39	17.68	17.74	17.57	19.00
15	16QAM	75	0	17.55	17.72	17.63	19.00
15	64QAM	1	0	17.70	17.87	17.76	19.00
15	64QAM	1	37	17.52	17.71	17.54	19.00
15	64QAM	1	74	17.61	17.69	17.59	19.00
15	64QAM	36	0	17.52	17.69	17.50	19.00
15	64QAM	36	20	17.67	17.74	17.68	19.00
15	64QAM	36	39	17.72	17.84	17.68	19.00
15	64QAM	75	0	17.50	17.69	17.60	19.00
15	256QAM	1	0	17.79	17.80	17.62	19.00
15	256QAM	1	37	17.68	17.74	17.61	19.00
15	256QAM	1	74	17.53	17.71	17.53	19.00
15	256QAM	36	0	17.68	17.72	17.57	19.00
15	256QAM	36	20	17.49	17.76	17.57	19.00
15	256QAM	36	39	17.57	17.78	17.60	19.00
15	256QAM	75	0	17.48	17.68	17.50	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	17.87	17.94	17.82	19.00
10	QPSK	1	25	17.78	17.85	17.70	19.00
10	QPSK	1	49	17.65	17.77	17.56	19.00
10	QPSK	25	0	17.88	17.90	17.73	19.00
10	QPSK	25	12	17.76	17.91	17.75	19.00
10	QPSK	25	25	17.81	17.78	17.64	19.00
10	QPSK	50	0	17.80	17.83	17.83	19.00
10	16QAM	1	0	17.68	17.85	17.60	19.00
10	16QAM	1	25	17.55	17.75	17.53	19.00
10	16QAM	1	49	17.65	17.82	17.48	19.00
10	16QAM	25	0	17.63	17.87	17.62	19.00
10	16QAM	25	12	17.73	17.90	17.54	19.00
10	16QAM	25	25	17.70	17.75	17.53	19.00
10	16QAM	50	0	17.59	17.73	17.62	19.00
10	64QAM	1	0	17.71	17.86	17.66	19.00
10	64QAM	1	25	17.49	17.69	17.53	19.00
10	64QAM	1	49	17.59	17.77	17.60	19.00
10	64QAM	25	0	17.55	17.78	17.60	19.00
10	64QAM	25	12	17.70	17.87	17.65	19.00
10	64QAM	25	25	17.67	17.77	17.58	19.00
10	64QAM	50	0	17.55	17.66	17.57	19.00
10	256QAM	1	0	17.78	17.83	17.65	19.00
10	256QAM	1	25	17.61	17.70	17.57	19.00
10	256QAM	1	49	17.58	17.64	17.56	19.00
10	256QAM	25	0	17.70	17.77	17.59	19.00
10	256QAM	25	12	17.61	17.75	17.48	19.00
10	256QAM	25	25	17.67	17.75	17.57	19.00
10	256QAM	50	0	17.54	17.72	17.47	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	17.96	18.03	17.83	19.00
5	QPSK	1	12	17.78	17.91	17.73	19.00
5	QPSK	1	24	17.64	17.83	17.60	19.00
5	QPSK	12	0	17.80	17.94	17.71	19.00



5	QPSK	12	7	17.80	17.84	17.73	19.00
5	QPSK	12	13	17.73	17.74	17.58	19.00
5	QPSK	25	0	17.77	17.88	17.76	19.00
5	16QAM	1	0	17.66	17.85	17.71	19.00
5	16QAM	1	12	17.65	17.81	17.61	19.00
5	16QAM	1	24	17.65	17.83	17.58	19.00
5	16QAM	12	0	17.67	17.90	17.59	19.00
5	16QAM	12	7	17.70	17.87	17.53	19.00
5	16QAM	12	13	17.63	17.81	17.46	19.00
5	16QAM	25	0	17.60	17.76	17.68	19.00
5	64QAM	1	0	17.69	17.90	17.74	19.00
5	64QAM	1	12	17.50	17.74	17.48	19.00
5	64QAM	1	24	17.50	17.73	17.62	19.00
5	64QAM	12	0	17.54	17.71	17.53	19.00
5	64QAM	12	7	17.76	17.87	17.73	19.00
5	64QAM	12	13	17.64	17.82	17.58	19.00
5	64QAM	25	0	17.53	17.58	17.56	19.00
5	256QAM	1	0	17.80	17.83	17.64	19.00
5	256QAM	1	12	17.68	17.66	17.63	19.00
5	256QAM	1	24	17.61	17.62	17.44	19.00
5	256QAM	12	0	17.60	17.79	17.54	19.00
5	256QAM	12	7	17.53	17.76	17.57	19.00
5	256QAM	12	13	17.60	17.86	17.53	19.00
5	256QAM	25	0	17.47	17.70	17.56	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC13】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	21.55	21.59	21.56	22.50
20	QPSK	1	49	21.40	21.48	21.32	22.50
20	QPSK	1	99	21.17	21.34	21.22	22.50
20	QPSK	50	0	21.51	21.54	21.53	22.50
20	QPSK	50	24	21.22	21.37	21.33	22.50
20	QPSK	50	50	21.26	21.43	21.37	22.50
20	QPSK	100	0	21.49	21.51	21.48	22.50
20	16QAM	1	0	21.17	21.33	21.16	22.50
20	16QAM	1	49	21.30	21.36	21.28	22.50
20	16QAM	1	99	21.30	21.39	21.23	22.50
20	16QAM	50	0	21.15	21.30	21.16	22.50
20	16QAM	50	24	21.26	21.41	21.30	22.50
20	16QAM	50	50	21.21	21.36	21.30	22.50
20	16QAM	100	0	21.18	21.30	21.15	22.50
20	64QAM	1	0	21.18	21.30	21.19	22.50
20	64QAM	1	49	21.29	21.37	21.24	22.50
20	64QAM	1	99	21.18	21.34	21.17	22.50
20	64QAM	50	0	20.41	20.55	20.47	21.50
20	64QAM	50	24	20.43	20.56	20.49	21.50
20	64QAM	50	50	20.31	20.53	20.43	21.50
20	64QAM	100	0	20.38	20.49	20.42	21.50
20	256QAM	1	0	18.40	18.54	18.44	19.50
20	256QAM	1	49	18.33	18.55	18.43	19.50
20	256QAM	1	99	18.40	18.59	18.46	19.50
20	256QAM	50	0	18.50	18.61	18.55	19.50
20	256QAM	50	24	18.44	18.54	18.48	19.50
20	256QAM	50	50	18.45	18.62	18.51	19.50
20	256QAM	100	0	18.30	18.51	18.49	19.50
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.52	21.46	21.48	22.50
15	QPSK	1	37	21.31	21.40	21.22	22.50
15	QPSK	1	74	21.14	21.26	21.19	22.50
15	QPSK	36	0	21.47	21.50	21.43	22.50
15	QPSK	36	20	21.11	21.22	21.32	22.50
15	QPSK	36	39	21.20	21.30	21.35	22.50
15	QPSK	75	0	21.40	21.47	21.42	22.50
15	16QAM	1	0	21.13	21.21	21.14	22.50
15	16QAM	1	37	21.19	21.28	21.24	22.50
15	16QAM	1	74	21.21	21.36	21.12	22.50
15	16QAM	36	0	21.02	21.24	21.01	22.50
15	16QAM	36	20	21.23	21.32	21.26	22.50



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15	16QAM	36	39	21.16	21.32	21.28	22.50
15	16QAM	75	0	21.05	21.20	21.10	22.50
15	64QAM	1	0	21.17	21.21	21.10	22.50
15	64QAM	1	37	21.16	21.23	21.10	22.50
15	64QAM	1	74	21.07	21.19	21.08	22.50
15	64QAM	36	0	20.30	20.52	20.43	21.50
15	64QAM	36	20	20.33	20.42	20.41	21.50
15	64QAM	36	39	20.28	20.40	20.30	21.50
15	64QAM	75	0	20.31	20.43	20.27	21.50
15	256QAM	1	0	18.29	18.50	18.38	19.50
15	256QAM	1	37	18.20	18.53	18.38	19.50
15	256QAM	1	74	18.37	18.58	18.39	19.50
15	256QAM	36	0	18.37	18.51	18.50	19.50
15	256QAM	36	20	18.39	18.45	18.45	19.50
15	256QAM	36	39	18.36	18.49	18.40	19.50
15	256QAM	75	0	18.26	18.47	18.43	19.50
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	21.42	21.49	21.50	22.50
10	QPSK	1	25	21.30	21.43	21.25	22.50
10	QPSK	1	49	21.08	21.27	21.13	22.50
10	QPSK	25	0	21.45	21.42	21.50	22.50
10	QPSK	25	12	21.08	21.34	21.32	22.50
10	QPSK	25	25	21.19	21.39	21.23	22.50
10	QPSK	50	0	21.39	21.42	21.35	22.50
10	16QAM	1	0	21.08	21.21	21.12	22.50
10	16QAM	1	25	21.23	21.35	21.23	22.50
10	16QAM	1	49	21.15	21.29	21.14	22.50
10	16QAM	25	0	21.07	21.25	21.11	22.50
10	16QAM	25	12	21.24	21.33	21.25	22.50
10	16QAM	25	25	21.13	21.30	21.26	22.50
10	16QAM	50	0	21.10	21.18	21.11	22.50
10	64QAM	1	0	21.08	21.18	21.08	22.50
10	64QAM	1	25	21.25	21.26	21.18	22.50
10	64QAM	1	49	21.05	21.28	21.06	22.50
10	64QAM	25	0	20.33	20.52	20.41	21.50
10	64QAM	25	12	20.37	20.53	20.42	21.50
10	64QAM	25	25	20.22	20.42	20.34	21.50
10	64QAM	50	0	20.31	20.43	20.39	21.50
10	256QAM	1	0	18.30	18.51	18.34	19.50
10	256QAM	1	25	18.31	18.45	18.35	19.50
10	256QAM	1	49	18.35	18.54	18.38	19.50
10	256QAM	25	0	18.42	18.53	18.53	19.50
10	256QAM	25	12	18.39	18.53	18.40	19.50
10	256QAM	25	25	18.44	18.53	18.46	19.50
10	256QAM	50	0	18.25	18.47	18.44	19.50
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	21.53	21.54	21.42	22.50
5	QPSK	1	12	21.25	21.46	21.26	22.50
5	QPSK	1	24	21.04	21.26	21.20	22.50
5	QPSK	12	0	21.44	21.40	21.51	22.50
5	QPSK	12	7	21.12	21.32	21.32	22.50
5	QPSK	12	13	21.13	21.33	21.34	22.50
5	QPSK	25	0	21.39	21.40	21.42	22.50
5	16QAM	1	0	21.16	21.27	21.05	22.50
5	16QAM	1	12	21.25	21.29	21.22	22.50
5	16QAM	1	24	21.19	21.35	21.09	22.50
5	16QAM	12	0	21.12	21.18	21.09	22.50
5	16QAM	12	7	21.18	21.39	21.25	22.50
5	16QAM	12	13	21.17	21.24	21.27	22.50
5	16QAM	25	0	21.03	21.23	21.04	22.50
5	64QAM	1	0	21.09	21.16	21.17	22.50
5	64QAM	1	12	21.28	21.24	21.10	22.50
5	64QAM	1	24	21.15	21.26	21.08	22.50
5	64QAM	12	0	20.35	20.47	20.42	21.50
5	64QAM	12	7	20.32	20.44	20.43	21.50
5	64QAM	12	13	20.20	20.47	20.39	21.50
5	64QAM	25	0	20.29	20.47	20.32	21.50
5	256QAM	1	0	18.36	18.47	18.40	19.50
5	256QAM	1	12	18.23	18.54	18.34	19.50
5	256QAM	1	24	18.36	18.53	18.36	19.50
5	256QAM	12	0	18.46	18.49	18.44	19.50
5	256QAM	12	7	18.30	18.52	18.36	19.50
5	256QAM	12	13	18.38	18.55	18.46	19.50
5	256QAM	25	0	18.21	18.44	18.44	19.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.43	23.52	23.51	24.50
20	QPSK	1	49	23.10	23.31	23.21	24.50
20	QPSK	1	99	23.22	23.32	23.27	24.50
20	QPSK	50	0	22.40	22.52	22.47	23.50
20	QPSK	50	24	22.35	22.48	22.33	23.50
20	QPSK	50	50	22.29	22.51	22.41	23.50
20	QPSK	100	0	22.35	22.46	22.39	23.50
20	16QAM	1	0	22.46	22.64	22.58	23.50
20	16QAM	1	49	22.52	22.63	22.51	23.50
20	16QAM	1	99	22.46	22.62	22.55	23.50
20	16QAM	50	0	21.34	21.53	21.50	22.50
20	16QAM	50	24	21.39	21.51	21.42	22.50
20	16QAM	50	50	21.34	21.55	21.42	22.50
20	16QAM	100	0	21.34	21.52	21.38	22.50
20	64QAM	1	0	21.22	21.35	21.27	22.50
20	64QAM	1	49	21.17	21.33	21.27	22.50
20	64QAM	1	99	21.16	21.31	21.26	22.50
20	64QAM	50	0	20.41	20.55	20.47	21.50
20	64QAM	50	24	20.43	20.56	20.49	21.50
20	64QAM	50	50	20.31	20.53	20.43	21.50
20	64QAM	100	0	20.38	20.49	20.42	21.50
20	256QAM	1	0	18.40	18.54	18.44	19.50
20	256QAM	1	49	18.33	18.55	18.43	19.50
20	256QAM	1	99	18.40	18.59	18.46	19.50
20	256QAM	50	0	18.50	18.61	18.55	19.50
20	256QAM	50	24	18.44	18.54	18.48	19.50
20	256QAM	50	50	18.45	18.62	18.51	19.50
20	256QAM	100	0	18.30	18.51	18.49	19.50
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.40	23.44	23.47	24.50
15	QPSK	1	37	23.05	23.25	23.08	24.50
15	QPSK	1	74	23.09	23.31	23.20	24.50
15	QPSK	36	0	22.33	22.48	22.35	23.50
15	QPSK	36	20	22.29	22.46	22.19	23.50
15	QPSK	36	39	22.23	22.49	22.39	23.50
15	QPSK	75	0	22.32	22.42	22.37	23.50
15	16QAM	1	0	22.37	22.60	22.56	23.50
15	16QAM	1	37	22.51	22.59	22.36	23.50
15	16QAM	1	74	22.35	22.50	22.41	23.50
15	16QAM	36	0	21.28	21.39	21.43	22.50
15	16QAM	36	20	21.27	21.43	21.36	22.50
15	16QAM	36	39	21.24	21.44	21.30	22.50
15	16QAM	75	0	21.20	21.46	21.37	22.50
15	64QAM	1	0	21.09	21.31	21.25	22.50
15	64QAM	1	37	21.14	21.24	21.21	22.50
15	64QAM	1	74	21.05	21.21	21.15	22.50
15	64QAM	36	0	20.31	20.51	20.44	21.50
15	64QAM	36	20	20.42	20.49	20.46	21.50
15	64QAM	36	39	20.27	20.39	20.30	21.50
15	64QAM	75	0	20.24	20.36	20.27	21.50
15	256QAM	1	0	18.34	18.49	18.39	19.50
15	256QAM	1	37	18.22	18.50	18.33	19.50
15	256QAM	1	74	18.32	18.55	18.36	19.50
15	256QAM	36	0	18.38	18.48	18.52	19.50
15	256QAM	36	20	18.35	18.44	18.38	19.50
15	256QAM	36	39	18.32	18.53	18.49	19.50
15	256QAM	75	0	18.15	18.44	18.40	19.50
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.29	23.42	23.46	24.50
10	QPSK	1	25	23.01	23.19	23.08	24.50
10	QPSK	1	49	23.08	23.24	23.23	24.50
10	QPSK	25	0	22.33	22.47	22.33	23.50
10	QPSK	25	12	22.21	22.34	22.19	23.50
10	QPSK	25	25	22.22	22.40	22.29	23.50
10	QPSK	50	0	22.29	22.44	22.26	23.50
10	16QAM	1	0	22.44	22.61	22.56	23.50



10	16QAM	1	25	22.45	22.56	22.43	23.50
10	16QAM	1	49	22.44	22.49	22.52	23.50
10	16QAM	25	0	21.28	21.52	21.44	22.50
10	16QAM	25	12	21.29	21.49	21.35	22.50
10	16QAM	25	25	21.29	21.53	21.38	22.50
10	16QAM	50	0	21.27	21.38	21.27	22.50
10	64QAM	1	0	21.12	21.23	21.16	22.50
10	64QAM	1	25	21.13	21.26	21.22	22.50
10	64QAM	1	49	21.08	21.27	21.15	22.50
10	64QAM	25	0	20.30	20.45	20.39	21.50
10	64QAM	25	12	20.30	20.54	20.34	21.50
10	64QAM	25	25	20.23	20.40	20.41	21.50
10	64QAM	50	0	20.29	20.45	20.28	21.50
10	256QAM	1	0	18.33	18.42	18.33	19.50
10	256QAM	1	25	18.19	18.44	18.37	19.50
10	256QAM	1	49	18.33	18.57	18.38	19.50
10	256QAM	25	0	18.41	18.54	18.44	19.50
10	256QAM	25	12	18.30	18.51	18.39	19.50
10	256QAM	25	25	18.41	18.60	18.43	19.50
10	256QAM	50	0	18.20	18.43	18.41	19.50
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.42	23.51	23.43	24.50
5	QPSK	1	12	23.00	23.23	23.19	24.50
5	QPSK	1	24	23.21	23.25	23.19	24.50
5	QPSK	12	0	22.29	22.40	22.26	23.50
5	QPSK	12	7	22.31	22.37	22.20	23.50
5	QPSK	12	13	22.24	22.38	22.37	23.50
5	QPSK	25	0	22.26	22.41	22.27	23.50
5	16QAM	1	0	22.40	22.50	22.56	23.50
5	16QAM	1	12	22.43	22.60	22.46	23.50
5	16QAM	1	24	22.40	22.52	22.41	23.50
5	16QAM	12	0	21.22	21.51	21.39	22.50
5	16QAM	12	7	21.28	21.40	21.32	22.50
5	16QAM	12	13	21.24	21.50	21.32	22.50
5	16QAM	25	0	21.19	21.45	21.28	22.50
5	64QAM	1	0	21.17	21.22	21.18	22.50
5	64QAM	1	12	21.11	21.19	21.20	22.50
5	64QAM	1	24	21.07	21.19	21.19	22.50
5	64QAM	12	0	20.28	20.53	20.35	21.50
5	64QAM	12	7	20.39	20.52	20.38	21.50
5	64QAM	12	13	20.22	20.51	20.29	21.50
5	64QAM	25	0	20.24	20.43	20.27	21.50
5	256QAM	1	0	18.27	18.49	18.38	19.50
5	256QAM	1	12	18.24	18.48	18.35	19.50
5	256QAM	1	24	18.32	18.45	18.34	19.50
5	256QAM	12	0	18.41	18.57	18.49	19.50
5	256QAM	12	7	18.32	18.48	18.39	19.50
5	256QAM	12	13	18.38	18.57	18.36	19.50
5	256QAM	25	0	18.22	18.36	18.37	19.50

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 7_EC15】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	18.01	18.05	17.96	19.00
20	QPSK	1	49	17.91	17.99	17.83	19.00
20	QPSK	1	99	17.76	17.92	17.69	19.00
20	QPSK	50	0	17.89	18.00	17.85	19.00
20	QPSK	50	24	17.83	17.93	17.78	19.00
20	QPSK	50	50	17.82	17.88	17.65	19.00
20	QPSK	100	0	17.88	17.96	17.86	19.00
20	16QAM	1	0	17.76	17.92	17.74	19.00
20	16QAM	1	49	17.67	17.83	17.67	19.00
20	16QAM	1	99	17.73	17.85	17.62	19.00
20	16QAM	50	0	17.76	17.94	17.74	19.00
20	16QAM	50	24	17.84	17.92	17.68	19.00
20	16QAM	50	50	17.71	17.82	17.60	19.00
20	16QAM	100	0	17.67	17.83	17.70	19.00
20	64QAM	1	0	17.73	17.91	17.79	19.00
20	64QAM	1	49	17.61	17.79	17.57	19.00



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20	64QAM	1	99	17.63	17.81	17.70	19.00
20	64QAM	50	0	17.67	17.81	17.61	19.00
20	64QAM	50	24	17.81	17.89	17.76	19.00
20	64QAM	50	50	17.76	17.88	17.73	19.00
20	64QAM	100	0	17.58	17.73	17.61	19.00
20	256QAM	1	0	17.86	17.94	17.75	19.00
20	256QAM	1	49	17.71	17.79	17.67	19.00
20	256QAM	1	99	17.68	17.74	17.58	19.00
20	256QAM	50	0	17.73	17.81	17.60	19.00
20	256QAM	50	24	17.64	17.82	17.60	19.00
20	256QAM	50	50	17.72	17.88	17.65	19.00
20	256QAM	100	0	17.56	17.74	17.60	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	17.92	18.02	17.81	19.00
15	QPSK	1	37	17.79	17.91	17.79	19.00
15	QPSK	1	74	17.67	17.86	17.63	19.00
15	QPSK	36	0	17.82	17.86	17.66	19.00
15	QPSK	36	20	17.74	17.83	17.73	19.00
15	QPSK	36	39	17.78	17.85	17.60	19.00
15	QPSK	75	0	17.86	17.95	17.79	19.00
15	16QAM	1	0	17.68	17.83	17.60	19.00
15	16QAM	1	37	17.57	17.72	17.61	19.00
15	16QAM	1	74	17.60	17.78	17.53	19.00
15	16QAM	36	0	17.73	17.79	17.62	19.00
15	16QAM	36	20	17.77	17.81	17.60	19.00
15	16QAM	36	39	17.68	17.74	17.57	19.00
15	16QAM	75	0	17.55	17.72	17.63	19.00
15	64QAM	1	0	17.70	17.87	17.76	19.00
15	64QAM	1	37	17.52	17.71	17.54	19.00
15	64QAM	1	74	17.61	17.69	17.59	19.00
15	64QAM	36	0	17.52	17.69	17.50	19.00
15	64QAM	36	20	17.67	17.74	17.68	19.00
15	64QAM	36	39	17.72	17.84	17.68	19.00
15	64QAM	75	0	17.50	17.69	17.60	19.00
15	256QAM	1	0	17.79	17.80	17.62	19.00
15	256QAM	1	37	17.68	17.74	17.61	19.00
15	256QAM	1	74	17.53	17.71	17.53	19.00
15	256QAM	36	0	17.68	17.72	17.57	19.00
15	256QAM	36	20	17.49	17.76	17.57	19.00
15	256QAM	36	39	17.57	17.78	17.60	19.00
15	256QAM	75	0	17.48	17.68	17.50	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	17.87	17.94	17.82	19.00
10	QPSK	1	25	17.78	17.85	17.70	19.00
10	QPSK	1	49	17.65	17.77	17.56	19.00
10	QPSK	25	0	17.88	17.90	17.73	19.00
10	QPSK	25	12	17.76	17.91	17.75	19.00
10	QPSK	25	25	17.81	17.78	17.64	19.00
10	QPSK	50	0	17.80	17.83	17.83	19.00
10	16QAM	1	0	17.68	17.85	17.60	19.00
10	16QAM	1	25	17.55	17.75	17.53	19.00
10	16QAM	1	49	17.65	17.82	17.48	19.00
10	16QAM	25	0	17.63	17.87	17.62	19.00
10	16QAM	25	12	17.73	17.90	17.54	19.00
10	16QAM	25	25	17.70	17.75	17.53	19.00
10	16QAM	50	0	17.59	17.73	17.62	19.00
10	64QAM	1	0	17.71	17.86	17.66	19.00
10	64QAM	1	25	17.49	17.69	17.53	19.00
10	64QAM	1	49	17.59	17.77	17.60	19.00
10	64QAM	25	0	17.55	17.78	17.60	19.00
10	64QAM	25	12	17.70	17.87	17.65	19.00
10	64QAM	25	25	17.67	17.77	17.58	19.00
10	64QAM	50	0	17.55	17.66	17.57	19.00
10	256QAM	1	0	17.78	17.83	17.65	19.00
10	256QAM	1	25	17.61	17.70	17.57	19.00
10	256QAM	1	49	17.58	17.64	17.56	19.00
10	256QAM	25	0	17.70	17.77	17.59	19.00
10	256QAM	25	12	17.61	17.75	17.48	19.00
10	256QAM	25	25	17.67	17.75	17.57	19.00
10	256QAM	50	0	17.54	17.72	17.47	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	17.96	18.03	17.83	19.00
5	QPSK	1	12	17.78	17.91	17.73	19.00
5	QPSK	1	24	17.64	17.83	17.60	19.00
5	QPSK	12	0	17.80	17.94	17.71	19.00