

Appendix E. Output Power Measurement

<GSM Conducted Power>

【GSM850_Ant 8_Full power】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 1 Tx slot	32.49	32.02	32.32	33.50	23.49	23.02	23.32	24.50
GPRS 2 Tx slots	32.07	31.59	32.00	33.50	26.07	25.59	26.00	27.50
GPRS 3 Tx slots	31.73	31.15	31.77	32.50	27.47	26.89	27.51	28.24
GPRS 4 Tx slots	30.84	30.89	30.91	32.50	27.84	27.89	27.91	29.50
EDGE 1 Tx slot	26.14	26.32	25.97	27.50	17.14	17.32	16.97	18.50
EDGE 2 Tx slots	25.91	26.09	25.72	27.50	19.91	20.09	19.72	21.50
EDGE 3 Tx slots	25.61	25.78	25.37	27.00	21.35	21.52	21.11	22.74
EDGE 4 Tx slots	25.35	25.45	25.31	27.00	22.35	22.45	22.31	24.00

【GSM850_Ant 8_DSI0】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 1 Tx slot	32.49	32.02	32.32	33.50	23.49	23.02	23.32	24.50
GPRS 2 Tx slots	32.07	31.59	32.00	33.50	26.07	25.59	26.00	27.50
GPRS 3 Tx slots	31.73	31.15	31.77	32.50	27.47	26.89	27.51	28.24
GPRS 4 Tx slots	30.84	30.89	30.91	32.50	27.84	27.89	27.91	29.50
EDGE 1 Tx slot	26.14	26.32	25.97	27.50	17.14	17.32	16.97	18.50
EDGE 2 Tx slots	25.91	26.09	25.72	27.50	19.91	20.09	19.72	21.50
EDGE 3 Tx slots	25.61	25.78	25.37	27.00	21.35	21.52	21.11	22.74
EDGE 4 Tx slots	25.35	25.45	25.31	27.00	22.35	22.45	22.31	24.00

【GSM850_Ant 8_DSI7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 1 Tx slot	28.79	28.83	28.81	29.70	19.79	19.83	19.81	20.70
GPRS 2 Tx slots	25.57	25.85	25.61	26.70	19.57	19.85	19.61	20.70
GPRS 3 Tx slots	23.94	23.86	24.01	24.90	19.68	19.60	19.75	20.64
GPRS 4 Tx slots	22.79	22.86	22.87	23.70	19.79	19.86	19.87	20.70
EDGE 1 Tx slot	26.43	26.50	26.53	26.70	17.43	17.50	17.53	17.70
EDGE 2 Tx slots	25.30	25.42	25.41	26.70	19.30	19.42	19.41	20.70
EDGE 3 Tx slots	23.93	23.96	23.88	24.90	19.67	19.70	19.62	20.64
EDGE 4 Tx slots	22.62	22.50	22.20	23.70	19.62	19.50	19.20	20.70

【GSM1900_Ant 1_Full power】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 1 Tx slot	27.64	27.61	28.04	29.00	18.64	18.61	19.04	20.00
GPRS 2 Tx slots	27.31	27.01	27.60	28.50	21.31	21.01	21.60	22.50
GPRS 3 Tx slots	26.86	26.64	27.24	28.00	22.60	22.38	22.98	23.74
GPRS 4 Tx slots	26.42	26.60	26.51	28.00	23.42	23.60	23.51	25.00
EDGE 1 Tx slot	23.68	23.46	24.12	25.00	14.68	14.46	15.12	16.00
EDGE 2 Tx slots	22.97	23.39	23.52	24.50	16.97	17.39	17.52	18.50
EDGE 3 Tx slots	22.76	23.23	23.36	24.50	18.50	18.97	19.10	20.24
EDGE 4 Tx slots	22.60	23.06	23.18	24.50	19.60	20.06	20.18	21.50

【GSM1900_Ant 1_DSI0】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 1 Tx slot	27.36	27.42	27.33	28.50	18.36	18.42	18.33	19.50
GPRS 2 Tx slots	24.31	24.36	24.33	25.50	18.31	18.36	18.33	19.50
GPRS 3 Tx slots	22.81	22.85	22.75	24.40	18.55	18.59	18.49	20.14
GPRS 4 Tx slots	21.55	21.67	21.61	23.20	18.55	18.67	18.61	20.20
EDGE 1 Tx slot	21.96	21.68	22.42	23.20	12.96	12.68	13.42	14.20
EDGE 2 Tx slots	21.16	21.63	21.92	23.10	15.16	15.63	15.92	17.10
EDGE 3 Tx slots	21.53	21.50	21.72	23.10	17.27	17.24	17.46	18.84
EDGE 4 Tx slots	21.01	21.25	21.54	22.80	18.01	18.25	18.54	19.80

【GSM1900_Ant 1_DSI7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 1 Tx slot	23.52	23.58	23.99	24.20	14.52	14.58	14.99	15.20
GPRS 2 Tx slots	23.16	22.87	23.56	23.70	17.16	16.87	17.56	17.70
GPRS 3 Tx slots	22.42	22.49	22.32	23.20	18.16	18.23	18.06	18.94
GPRS 4 Tx slots	22.34	22.49	22.48	23.20	19.34	19.49	19.48	20.20
EDGE 1 Tx slot	19.56	19.37	19.99	20.20	10.56	10.37	10.99	11.20
EDGE 2 Tx slots	18.81	19.21	19.46	19.70	12.81	13.21	13.46	13.70
EDGE 3 Tx slots	18.62	19.12	19.23	19.70	14.36	14.86	14.97	15.44
EDGE 4 Tx slots	18.44	18.96	19.00	19.70	15.44	15.96	16.00	16.70

<WCDMA Conducted Power>
【WCDMA II_Ant 1_Full power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	24.22	24.26	24.15	25.00
3GPP Rel 6	HSDPA Subtest-1	23.07	23.18	23.07	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.25	23.13	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.77	22.59	23.50
3GPP Rel 6	HSDPA Subtest-4	22.61	22.72	22.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.10	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.10	23.14	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.57	22.63	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.74	22.78	22.66	23.50
3GPP Rel 6	HSUPA Subtest-1	23.07	23.09	23.01	24.00
3GPP Rel 6	HSUPA Subtest-2	21.07	21.20	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	22.54	22.68	22.59	23.00
3GPP Rel 6	HSUPA Subtest-4	21.26	21.29	21.22	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.18	23.09	24.00

【WCDMA II_Ant 1_DS10】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	24.22	24.26	24.15	25.00
3GPP Rel 6	HSDPA Subtest-1	23.07	23.18	23.07	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.25	23.13	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.77	22.59	23.50
3GPP Rel 6	HSDPA Subtest-4	22.61	22.72	22.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.10	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.10	23.14	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.57	22.63	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.74	22.78	22.66	23.50
3GPP Rel 6	HSUPA Subtest-1	23.07	23.09	23.01	24.00
3GPP Rel 6	HSUPA Subtest-2	21.07	21.20	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	22.54	22.68	22.59	23.00
3GPP Rel 6	HSUPA Subtest-4	21.26	21.29	21.22	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.18	23.09	24.00

【WCDMA II_Ant 1_DS17】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	17.29	17.37	17.28	18.30
3GPP Rel 6	HSDPA Subtest-1	16.11	16.29	16.20	17.30
3GPP Rel 6	HSDPA Subtest-2	16.37	16.30	16.24	17.30
3GPP Rel 6	HSDPA Subtest-3	15.87	15.94	15.71	16.80
3GPP Rel 6	HSDPA Subtest-4	15.79	15.81	15.56	16.80
3GPP Rel 8	DC-HSDPA Subtest-1	16.14	16.23	15.97	17.30
3GPP Rel 8	DC-HSDPA Subtest-2	16.25	16.22	16.00	17.30
3GPP Rel 8	DC-HSDPA Subtest-3	15.62	15.78	15.61	16.80
3GPP Rel 8	DC-HSDPA Subtest-4	15.82	15.83	15.79	16.80
3GPP Rel 6	HSUPA Subtest-1	16.14	16.24	16.14	17.30
3GPP Rel 6	HSUPA Subtest-2	14.10	14.33	14.15	15.30
3GPP Rel 6	HSUPA Subtest-3	15.66	15.79	15.63	16.30
3GPP Rel 6	HSUPA Subtest-4	14.37	14.38	14.28	15.30
3GPP Rel 6	HSUPA Subtest-5	16.24	16.35	16.24	17.30

【WCDMA IV_Ant 1_Full power】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	24.23	24.31	24.25	25.00
3GPP Rel 6	HSDPA Subtest-1	23.06	23.20	22.99	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.35	23.15	24.00
3GPP Rel 6	HSDPA Subtest-3	22.60	22.81	22.67	23.50
3GPP Rel 6	HSDPA Subtest-4	22.49	22.72	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.05	23.20	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.24	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.83	22.71	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.52	22.65	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.98	23.19	23.01	24.00
3GPP Rel 6	HSUPA Subtest-2	20.90	21.08	20.88	22.00
3GPP Rel 6	HSUPA Subtest-3	21.90	22.15	22.02	23.00
3GPP Rel 6	HSUPA Subtest-4	21.01	21.13	21.03	22.00
3GPP Rel 6	HSUPA Subtest-5	23.02	23.24	23.10	24.00

【WCDMA IV_Ant 1_DSI0】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	24.23	24.31	24.25	25.00
3GPP Rel 6	HSDPA Subtest-1	23.06	23.20	22.99	24.00
3GPP Rel 6	HSDPA Subtest-2	23.11	23.35	23.15	24.00
3GPP Rel 6	HSDPA Subtest-3	22.60	22.81	22.67	23.50
3GPP Rel 6	HSDPA Subtest-4	22.49	22.72	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.05	23.20	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.07	23.24	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.83	22.71	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.52	22.65	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.98	23.19	23.01	24.00
3GPP Rel 6	HSUPA Subtest-2	20.90	21.08	20.88	22.00
3GPP Rel 6	HSUPA Subtest-3	21.90	22.15	22.02	23.00
3GPP Rel 6	HSUPA Subtest-4	21.01	21.13	21.03	22.00
3GPP Rel 6	HSUPA Subtest-5	23.02	23.24	23.10	24.00

【WCDMA IV_Ant 1_DSI7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	18.42	18.48	18.40	19.60
3GPP Rel 6	HSDPA Subtest-1	17.18	17.33	17.04	18.60
3GPP Rel 6	HSDPA Subtest-2	17.28	17.52	17.32	18.60
3GPP Rel 6	HSDPA Subtest-3	16.65	16.91	16.87	18.10
3GPP Rel 6	HSDPA Subtest-4	16.65	16.80	16.63	18.10
3GPP Rel 8	DC-HSDPA Subtest-1	17.24	17.35	17.07	18.60
3GPP Rel 8	DC-HSDPA Subtest-2	17.27	17.37	17.20	18.60
3GPP Rel 8	DC-HSDPA Subtest-3	16.86	16.94	16.89	18.10
3GPP Rel 8	DC-HSDPA Subtest-4	16.58	16.72	16.57	18.10
3GPP Rel 6	HSUPA Subtest-1	17.12	17.37	17.21	18.60
3GPP Rel 6	HSUPA Subtest-2	15.11	15.18	14.98	16.60
3GPP Rel 6	HSUPA Subtest-3	16.01	16.28	16.21	17.60
3GPP Rel 6	HSUPA Subtest-4	15.21	15.21	15.21	16.60
3GPP Rel 6	HSUPA Subtest-5	17.19	17.36	17.18	18.60

【WCDMA V_Ant 8_Full power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	24.24	24.32	24.20	25.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.28	23.12	24.00
3GPP Rel 6	HSDPA Subtest-2	23.05	23.18	23.02	24.00
3GPP Rel 6	HSDPA Subtest-3	22.50	22.65	22.49	23.50
3GPP Rel 6	HSDPA Subtest-4	22.60	22.71	22.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.10	22.98	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.21	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.62	22.70	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.59	22.65	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.01	23.08	22.86	24.00
3GPP Rel 6	HSUPA Subtest-2	21.11	21.18	21.01	22.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.14	21.90	23.00
3GPP Rel 6	HSUPA Subtest-4	20.90	21.09	20.92	22.00
3GPP Rel 6	HSUPA Subtest-5	22.99	23.09	22.84	24.00

【WCDMA V_Ant 8_DSI0】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	24.24	24.32	24.20	25.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.28	23.12	24.00
3GPP Rel 6	HSDPA Subtest-2	23.05	23.18	23.02	24.00
3GPP Rel 6	HSDPA Subtest-3	22.50	22.65	22.49	23.50
3GPP Rel 6	HSDPA Subtest-4	22.60	22.71	22.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.10	22.98	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.04	23.21	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.62	22.70	22.48	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.59	22.65	22.42	23.50
3GPP Rel 6	HSUPA Subtest-1	23.01	23.08	22.86	24.00
3GPP Rel 6	HSUPA Subtest-2	21.11	21.18	21.01	22.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.14	21.90	23.00
3GPP Rel 6	HSUPA Subtest-4	20.90	21.09	20.92	22.00
3GPP Rel 6	HSUPA Subtest-5	22.99	23.09	22.84	24.00

【WCDMA V_Ant 8_DSI7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	19.78	19.89	19.71	20.70
3GPP Rel 6	HSDPA Subtest-1	18.68	18.84	18.74	19.70
3GPP Rel 6	HSDPA Subtest-2	18.54	18.75	18.51	19.70
3GPP Rel 6	HSDPA Subtest-3	18.00	18.23	17.99	19.20
3GPP Rel 6	HSDPA Subtest-4	18.19	18.22	18.07	19.20
3GPP Rel 8	DC-HSDPA Subtest-1	18.55	18.60	18.55	19.70
3GPP Rel 8	DC-HSDPA Subtest-2	18.56	18.71	18.47	19.70
3GPP Rel 8	DC-HSDPA Subtest-3	18.12	18.23	18.09	19.20
3GPP Rel 8	DC-HSDPA Subtest-4	18.11	18.17	17.94	19.20
3GPP Rel 6	HSUPA Subtest-1	18.52	18.55	18.46	19.70
3GPP Rel 6	HSUPA Subtest-2	16.67	16.64	16.55	17.70
3GPP Rel 6	HSUPA Subtest-3	17.60	17.63	17.48	18.70
3GPP Rel 6	HSUPA Subtest-4	16.48	16.55	16.50	17.70
3GPP Rel 6	HSUPA Subtest-5	18.56	18.68	18.38	19.70



<LTE Conducted Power>

【LTE Band 2_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.51	23.82	23.65	25.10
20	QPSK	1	49	23.24	23.70	23.44	25.10
20	QPSK	1	99	23.25	23.67	23.44	25.10
20	QPSK	50	0	22.46	22.90	22.68	24.10
20	QPSK	50	24	22.32	22.71	22.53	24.10
20	QPSK	50	50	22.51	22.86	22.67	24.10
20	QPSK	100	0	22.50	22.88	22.66	24.10
20	16QAM	1	0	22.41	22.83	22.52	24.10
20	16QAM	1	49	22.44	22.76	22.48	24.10
20	16QAM	1	99	22.50	22.86	22.56	24.10
20	16QAM	50	0	21.53	21.92	21.65	23.10
20	16QAM	50	24	21.36	21.79	21.57	23.10
20	16QAM	50	50	21.34	21.77	21.57	23.10
20	16QAM	100	0	21.46	21.82	21.57	23.10
20	64QAM	1	0	21.42	21.77	21.47	23.10
20	64QAM	1	49	21.62	21.93	21.74	23.10
20	64QAM	1	99	21.46	21.77	21.47	23.10
20	64QAM	50	0	20.44	20.78	20.49	22.10
20	64QAM	50	24	20.46	20.77	20.48	22.10
20	64QAM	50	50	20.51	20.84	20.58	22.10
20	64QAM	100	0	20.47	20.76	20.50	22.10
20	256QAM	1	0	18.50	18.85	18.69	20.10
20	256QAM	1	49	18.38	18.77	18.51	20.10
20	256QAM	1	99	18.45	18.75	18.48	20.10
20	256QAM	50	0	18.54	18.80	18.65	20.10
20	256QAM	50	24	18.44	18.74	18.59	20.10
20	256QAM	50	50	18.38	18.75	18.49	20.10
20	256QAM	100	0	18.48	18.83	18.58	20.10
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.47	23.68	23.64	25.10
15	QPSK	1	37	23.15	23.66	23.35	25.10
15	QPSK	1	74	23.16	23.63	23.43	25.10
15	QPSK	36	0	22.42	22.84	22.53	24.10
15	QPSK	36	20	22.23	22.68	22.51	24.10
15	QPSK	36	39	22.42	22.84	22.54	24.10
15	QPSK	75	0	22.44	22.86	22.51	24.10
15	16QAM	1	0	22.33	22.72	22.44	24.10
15	16QAM	1	37	22.31	22.65	22.34	24.10
15	16QAM	1	74	22.39	22.84	22.53	24.10
15	16QAM	36	0	21.46	21.87	21.52	23.10
15	16QAM	36	20	21.26	21.75	21.43	23.10
15	16QAM	36	39	21.23	21.75	21.54	23.10
15	16QAM	75	0	21.36	21.71	21.51	23.10
15	64QAM	1	0	21.30	21.68	21.43	23.10
15	64QAM	1	37	21.49	21.86	21.70	23.10
15	64QAM	1	74	21.32	21.63	21.46	23.10
15	64QAM	36	0	20.43	20.66	20.47	22.10
15	64QAM	36	20	20.31	20.63	20.43	22.10
15	64QAM	36	39	20.49	20.77	20.47	22.10
15	64QAM	75	0	20.43	20.64	20.38	22.10
15	256QAM	1	0	18.41	18.84	18.61	20.10
15	256QAM	1	37	18.36	18.69	18.41	20.10
15	256QAM	1	74	18.35	18.60	18.46	20.10
15	256QAM	36	0	18.46	18.69	18.62	20.10
15	256QAM	36	20	18.34	18.65	18.53	20.10
15	256QAM	36	39	18.37	18.71	18.47	20.10
15	256QAM	75	0	18.41	18.81	18.43	20.10
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.44	23.70	23.55	25.10
10	QPSK	1	25	23.22	23.62	23.43	25.10
10	QPSK	1	49	23.20	23.65	23.31	25.10
10	QPSK	25	0	22.34	22.77	22.55	24.10
10	QPSK	25	12	22.20	22.65	22.47	24.10
10	QPSK	25	25	22.49	22.81	22.54	24.10
10	QPSK	50	0	22.46	22.83	22.55	24.10
10	16QAM	1	0	22.30	22.81	22.37	24.10



10	16QAM	1	25	22.35	22.66	22.44	24.10
10	16QAM	1	49	22.43	22.76	22.50	24.10
10	16QAM	25	0	21.42	21.85	21.59	23.10
10	16QAM	25	12	21.25	21.69	21.53	23.10
10	16QAM	25	25	21.33	21.65	21.50	23.10
10	16QAM	50	0	21.33	21.67	21.49	23.10
10	64QAM	1	0	21.37	21.73	21.39	23.10
10	64QAM	1	25	21.48	21.87	21.59	23.10
10	64QAM	1	49	21.38	21.71	21.45	23.10
10	64QAM	25	0	20.43	20.77	20.46	22.10
10	64QAM	25	12	20.35	20.75	20.40	22.10
10	64QAM	25	25	20.42	20.77	20.55	22.10
10	64QAM	50	0	20.36	20.73	20.36	22.10
10	256QAM	1	0	18.35	18.76	18.62	20.10
10	256QAM	1	25	18.35	18.75	18.44	20.10
10	256QAM	1	49	18.41	18.68	18.44	20.10
10	256QAM	25	0	18.49	18.77	18.55	20.10
10	256QAM	25	12	18.40	18.60	18.53	20.10
10	256QAM	25	25	18.32	18.68	18.34	20.10
10	256QAM	50	0	18.40	18.69	18.49	20.10
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.43	23.78	23.54	25.10
5	QPSK	1	12	23.18	23.57	23.37	25.10
5	QPSK	1	24	23.12	23.61	23.31	25.10
5	QPSK	12	0	22.39	22.85	22.64	24.10
5	QPSK	12	7	22.26	22.65	22.47	24.10
5	QPSK	12	13	22.37	22.83	22.57	24.10
5	QPSK	25	0	22.42	22.79	22.61	24.10
5	16QAM	1	0	22.39	22.80	22.41	24.10
5	16QAM	1	12	22.39	22.66	22.43	24.10
5	16QAM	1	24	22.44	22.73	22.46	24.10
5	16QAM	12	0	21.52	21.89	21.60	23.10
5	16QAM	12	7	21.25	21.64	21.55	23.10
5	16QAM	12	13	21.33	21.76	21.48	23.10
5	16QAM	25	0	21.36	21.79	21.45	23.10
5	64QAM	1	0	21.40	21.71	21.40	23.10
5	64QAM	1	12	21.60	21.84	21.66	23.10
5	64QAM	1	24	21.45	21.64	21.39	23.10
5	64QAM	12	0	20.33	20.75	20.46	22.10
5	64QAM	12	7	20.32	20.73	20.44	22.10
5	64QAM	12	13	20.41	20.80	20.49	22.10
5	64QAM	25	0	20.36	20.63	20.46	22.10
5	256QAM	1	0	18.48	18.82	18.54	20.10
5	256QAM	1	12	18.25	18.66	18.41	20.10
5	256QAM	1	24	18.32	18.74	18.42	20.10
5	256QAM	12	0	18.41	18.75	18.58	20.10
5	256QAM	12	7	18.31	18.66	18.48	20.10
5	256QAM	12	13	18.33	18.66	18.36	20.10
5	256QAM	25	0	18.36	18.72	18.44	20.10
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.39	23.72	23.62	25.10
3	QPSK	1	8	23.11	23.56	23.31	25.10
3	QPSK	1	14	23.14	23.65	23.40	25.10
3	QPSK	8	0	22.34	22.83	22.57	24.10
3	QPSK	8	4	22.18	22.58	22.39	24.10
3	QPSK	8	7	22.49	22.81	22.65	24.10
3	QPSK	15	0	22.44	22.75	22.64	24.10
3	16QAM	1	0	22.29	22.74	22.39	24.10
3	16QAM	1	8	22.39	22.66	22.43	24.10
3	16QAM	1	14	22.40	22.81	22.49	24.10
3	16QAM	8	0	21.51	21.80	21.59	23.10
3	16QAM	8	4	21.22	21.67	21.47	23.10
3	16QAM	8	7	21.26	21.64	21.44	23.10
3	16QAM	15	0	21.39	21.81	21.50	23.10
3	64QAM	1	0	21.40	21.68	21.44	23.10
3	64QAM	1	8	21.59	21.86	21.70	23.10
3	64QAM	1	14	21.45	21.72	21.38	23.10
3	64QAM	8	0	20.30	20.65	20.48	22.10
3	64QAM	8	4	20.32	20.72	20.36	22.10
3	64QAM	8	7	20.49	20.79	20.54	22.10
3	64QAM	15	0	20.39	20.68	20.42	22.10
3	256QAM	1	0	18.48	18.79	18.64	20.10
3	256QAM	1	8	18.27	18.64	18.42	20.10
3	256QAM	1	14	18.41	18.60	18.34	20.10
3	256QAM	8	0	18.48	18.71	18.59	20.10
3	256QAM	8	4	18.37	18.59	18.49	20.10

3	256QAM	8	7	18.26	18.70	18.47	20.10
3	256QAM	15	0	18.44	18.82	18.56	20.10
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.46	23.68	23.53	25.10
1.4	QPSK	1	3	23.17	23.63	23.39	25.10
1.4	QPSK	1	5	23.16	23.60	23.35	25.10
1.4	QPSK	3	0	23.44	23.89	23.65	25.10
1.4	QPSK	3	1	23.20	23.66	23.44	25.10
1.4	QPSK	3	3	23.44	23.73	23.63	25.10
1.4	QPSK	6	0	22.48	22.84	22.55	24.10
1.4	16QAM	1	0	22.26	22.81	22.50	24.10
1.4	16QAM	1	3	22.43	22.64	22.36	24.10
1.4	16QAM	1	5	22.36	22.78	22.51	24.10
1.4	16QAM	3	0	22.43	22.80	22.54	24.10
1.4	16QAM	3	1	22.32	22.65	22.46	24.10
1.4	16QAM	3	3	22.31	22.63	22.43	24.10
1.4	16QAM	6	0	21.40	21.75	21.52	23.10
1.4	64QAM	1	0	21.29	21.68	21.43	23.10
1.4	64QAM	1	3	21.52	21.79	21.64	23.10
1.4	64QAM	1	5	21.40	21.75	21.43	23.10
1.4	64QAM	3	0	21.30	21.69	21.43	23.10
1.4	64QAM	3	1	21.36	21.65	21.41	23.10
1.4	64QAM	3	3	21.43	21.83	21.55	23.10
1.4	64QAM	6	0	20.37	20.67	20.35	22.10
1.4	256QAM	1	0	18.39	18.80	18.57	20.10
1.4	256QAM	1	3	18.37	18.73	18.46	20.10
1.4	256QAM	1	5	18.31	18.70	18.33	20.10
1.4	256QAM	3	0	18.46	18.73	18.61	20.10
1.4	256QAM	3	1	18.36	18.70	18.49	20.10
1.4	256QAM	3	3	18.28	18.62	18.35	20.10
1.4	256QAM	6	0	18.36	18.81	18.51	20.10

【LTE Band 2_Ant 1_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.51	23.82	23.65	25.10
20	QPSK	1	49	23.24	23.70	23.44	25.10
20	QPSK	1	99	23.25	23.67	23.44	25.10
20	QPSK	50	0	22.46	22.90	22.68	24.10
20	QPSK	50	24	22.32	22.71	22.53	24.10
20	QPSK	50	50	22.51	22.86	22.67	24.10
20	QPSK	100	0	22.50	22.88	22.66	24.10
20	16QAM	1	0	22.41	22.83	22.52	24.10
20	16QAM	1	49	22.44	22.76	22.48	24.10
20	16QAM	1	99	22.50	22.86	22.56	24.10
20	16QAM	50	0	21.53	21.92	21.65	23.10
20	16QAM	50	24	21.36	21.79	21.57	23.10
20	16QAM	50	50	21.34	21.77	21.57	23.10
20	16QAM	100	0	21.46	21.82	21.57	23.10
20	64QAM	1	0	21.42	21.77	21.47	23.10
20	64QAM	1	49	21.62	21.93	21.74	23.10
20	64QAM	1	99	21.46	21.77	21.47	23.10
20	64QAM	50	0	20.44	20.78	20.49	22.10
20	64QAM	50	24	20.46	20.77	20.48	22.10
20	64QAM	50	50	20.51	20.84	20.58	22.10
20	64QAM	100	0	20.47	20.76	20.50	22.10
20	256QAM	1	0	18.50	18.85	18.69	20.10
20	256QAM	1	49	18.38	18.77	18.51	20.10
20	256QAM	1	99	18.45	18.75	18.48	20.10
20	256QAM	50	0	18.54	18.80	18.65	20.10
20	256QAM	50	24	18.44	18.74	18.59	20.10
20	256QAM	50	50	18.38	18.75	18.49	20.10
20	256QAM	100	0	18.48	18.83	18.58	20.10
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.47	23.68	23.64	25.10
15	QPSK	1	37	23.15	23.66	23.35	25.10
15	QPSK	1	74	23.16	23.63	23.43	25.10
15	QPSK	36	0	22.42	22.84	22.53	24.10
15	QPSK	36	20	22.23	22.68	22.51	24.10



15	QPSK	36	39	22.42	22.84	22.54	24.10
15	QPSK	75	0	22.44	22.86	22.51	24.10
15	16QAM	1	0	22.33	22.72	22.44	24.10
15	16QAM	1	37	22.31	22.65	22.34	24.10
15	16QAM	1	74	22.39	22.84	22.53	24.10
15	16QAM	36	0	21.46	21.87	21.52	23.10
15	16QAM	36	20	21.26	21.75	21.43	23.10
15	16QAM	36	39	21.23	21.75	21.54	23.10
15	16QAM	75	0	21.36	21.71	21.51	23.10
15	64QAM	1	0	21.30	21.68	21.43	23.10
15	64QAM	1	37	21.49	21.86	21.70	23.10
15	64QAM	1	74	21.32	21.63	21.46	23.10
15	64QAM	36	0	20.43	20.66	20.47	22.10
15	64QAM	36	20	20.31	20.63	20.43	22.10
15	64QAM	36	39	20.49	20.77	20.47	22.10
15	64QAM	75	0	20.43	20.64	20.38	22.10
15	256QAM	1	0	18.41	18.84	18.61	20.10
15	256QAM	1	37	18.36	18.69	18.41	20.10
15	256QAM	1	74	18.35	18.60	18.46	20.10
15	256QAM	36	0	18.46	18.69	18.62	20.10
15	256QAM	36	20	18.34	18.65	18.53	20.10
15	256QAM	36	39	18.37	18.71	18.47	20.10
15	256QAM	75	0	18.41	18.81	18.43	20.10
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.44	23.70	23.55	25.10
10	QPSK	1	25	23.22	23.62	23.43	25.10
10	QPSK	1	49	23.20	23.65	23.31	25.10
10	QPSK	25	0	22.34	22.77	22.55	24.10
10	QPSK	25	12	22.20	22.65	22.47	24.10
10	QPSK	25	25	22.49	22.81	22.54	24.10
10	QPSK	50	0	22.46	22.83	22.55	24.10
10	16QAM	1	0	22.30	22.81	22.37	24.10
10	16QAM	1	25	22.35	22.66	22.44	24.10
10	16QAM	1	49	22.43	22.76	22.50	24.10
10	16QAM	25	0	21.42	21.85	21.59	23.10
10	16QAM	25	12	21.25	21.69	21.53	23.10
10	16QAM	25	25	21.33	21.65	21.50	23.10
10	16QAM	50	0	21.33	21.67	21.49	23.10
10	64QAM	1	0	21.37	21.73	21.39	23.10
10	64QAM	1	25	21.48	21.87	21.59	23.10
10	64QAM	1	49	21.38	21.71	21.45	23.10
10	64QAM	25	0	20.43	20.77	20.46	22.10
10	64QAM	25	12	20.35	20.75	20.40	22.10
10	64QAM	25	25	20.42	20.77	20.55	22.10
10	64QAM	50	0	20.36	20.73	20.36	22.10
10	256QAM	1	0	18.35	18.76	18.62	20.10
10	256QAM	1	25	18.35	18.75	18.44	20.10
10	256QAM	1	49	18.41	18.68	18.44	20.10
10	256QAM	25	0	18.49	18.77	18.55	20.10
10	256QAM	25	12	18.40	18.60	18.53	20.10
10	256QAM	25	25	18.32	18.68	18.34	20.10
10	256QAM	50	0	18.40	18.69	18.49	20.10
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.43	23.78	23.54	25.10
5	QPSK	1	12	23.18	23.57	23.37	25.10
5	QPSK	1	24	23.12	23.61	23.31	25.10
5	QPSK	12	0	22.39	22.85	22.64	24.10
5	QPSK	12	7	22.26	22.65	22.47	24.10
5	QPSK	12	13	22.37	22.83	22.57	24.10
5	QPSK	25	0	22.42	22.79	22.61	24.10
5	16QAM	1	0	22.39	22.80	22.41	24.10
5	16QAM	1	12	22.39	22.66	22.43	24.10
5	16QAM	1	24	22.44	22.73	22.46	24.10
5	16QAM	12	0	21.52	21.89	21.60	23.10
5	16QAM	12	7	21.25	21.64	21.55	23.10
5	16QAM	12	13	21.33	21.76	21.48	23.10
5	16QAM	25	0	21.36	21.79	21.45	23.10
5	64QAM	1	0	21.40	21.71	21.40	23.10
5	64QAM	1	12	21.60	21.84	21.66	23.10
5	64QAM	1	24	21.45	21.64	21.39	23.10
5	64QAM	12	0	20.33	20.75	20.46	22.10
5	64QAM	12	7	20.32	20.73	20.44	22.10
5	64QAM	12	13	20.41	20.80	20.49	22.10
5	64QAM	25	0	20.36	20.63	20.46	22.10
5	256QAM	1	0	18.48	18.82	18.54	20.10
5	256QAM	1	12	18.25	18.66	18.41	20.10



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5	256QAM	1	24	18.32	18.74	18.42	20.10
5	256QAM	12	0	18.41	18.75	18.58	20.10
5	256QAM	12	7	18.31	18.66	18.48	20.10
5	256QAM	12	13	18.33	18.66	18.36	20.10
5	256QAM	25	0	18.36	18.72	18.44	20.10
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.39	23.72	23.62	25.10
3	QPSK	1	8	23.11	23.56	23.31	25.10
3	QPSK	1	14	23.14	23.65	23.40	25.10
3	QPSK	8	0	22.34	22.83	22.57	24.10
3	QPSK	8	4	22.18	22.58	22.39	24.10
3	QPSK	8	7	22.49	22.81	22.65	24.10
3	QPSK	15	0	22.44	22.75	22.64	24.10
3	16QAM	1	0	22.29	22.74	22.39	24.10
3	16QAM	1	8	22.39	22.66	22.43	24.10
3	16QAM	1	14	22.40	22.81	22.49	24.10
3	16QAM	8	0	21.51	21.80	21.59	23.10
3	16QAM	8	4	21.22	21.67	21.47	23.10
3	16QAM	8	7	21.26	21.64	21.44	23.10
3	16QAM	15	0	21.39	21.81	21.50	23.10
3	64QAM	1	0	21.40	21.68	21.44	23.10
3	64QAM	1	8	21.59	21.86	21.70	23.10
3	64QAM	1	14	21.45	21.72	21.38	23.10
3	64QAM	8	0	20.30	20.65	20.48	22.10
3	64QAM	8	4	20.32	20.72	20.36	22.10
3	64QAM	8	7	20.49	20.79	20.54	22.10
3	64QAM	15	0	20.39	20.68	20.42	22.10
3	256QAM	1	0	18.48	18.79	18.64	20.10
3	256QAM	1	8	18.27	18.64	18.42	20.10
3	256QAM	1	14	18.41	18.60	18.34	20.10
3	256QAM	8	0	18.48	18.71	18.59	20.10
3	256QAM	8	4	18.37	18.59	18.49	20.10
3	256QAM	8	7	18.26	18.70	18.47	20.10
3	256QAM	15	0	18.44	18.82	18.56	20.10
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.46	23.68	23.53	25.10
1.4	QPSK	1	3	23.17	23.63	23.39	25.10
1.4	QPSK	1	5	23.16	23.60	23.35	25.10
1.4	QPSK	3	0	23.44	23.89	23.65	25.10
1.4	QPSK	3	1	23.20	23.66	23.44	25.10
1.4	QPSK	3	3	23.44	23.73	23.63	25.10
1.4	QPSK	6	0	22.48	22.84	22.55	24.10
1.4	16QAM	1	0	22.26	22.81	22.50	24.10
1.4	16QAM	1	3	22.43	22.64	22.36	24.10
1.4	16QAM	1	5	22.36	22.78	22.51	24.10
1.4	16QAM	3	0	22.43	22.80	22.54	24.10
1.4	16QAM	3	1	22.32	22.65	22.46	24.10
1.4	16QAM	3	3	22.31	22.63	22.43	24.10
1.4	16QAM	6	0	21.40	21.75	21.52	23.10
1.4	64QAM	1	0	21.29	21.68	21.43	23.10
1.4	64QAM	1	3	21.52	21.79	21.64	23.10
1.4	64QAM	1	5	21.40	21.75	21.43	23.10
1.4	64QAM	3	0	21.30	21.69	21.43	23.10
1.4	64QAM	3	1	21.36	21.65	21.41	23.10
1.4	64QAM	3	3	21.43	21.83	21.55	23.10
1.4	64QAM	6	0	20.37	20.67	20.35	22.10
1.4	256QAM	1	0	18.39	18.80	18.57	20.10
1.4	256QAM	1	3	18.37	18.73	18.46	20.10
1.4	256QAM	1	5	18.31	18.70	18.33	20.10
1.4	256QAM	3	0	18.46	18.73	18.61	20.10
1.4	256QAM	3	1	18.36	18.70	18.49	20.10
1.4	256QAM	3	3	18.28	18.62	18.35	20.10
1.4	256QAM	6	0	18.36	18.81	18.51	20.10



【LTE Band 2_Ant 1_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	18.33	18.42	18.19	20.00
20	QPSK	1	49	18.08	18.28	18.02	20.00
20	QPSK	1	99	18.07	18.26	18.00	20.00
20	QPSK	50	0	18.08	18.30	18.01	20.00
20	QPSK	50	24	18.00	18.07	18.00	20.00
20	QPSK	50	50	18.03	18.13	18.01	20.00
20	QPSK	100	0	18.00	18.19	18.01	20.00
20	16QAM	1	0	18.01	18.07	18.00	20.00
20	16QAM	1	49	18.00	18.10	18.00	20.00
20	16QAM	1	99	18.01	18.01	18.01	20.00
20	16QAM	50	0	18.00	18.06	18.00	20.00
20	16QAM	50	24	18.00	18.17	18.00	20.00
20	16QAM	50	50	18.08	18.21	18.01	20.00
20	16QAM	100	0	18.01	18.23	18.01	20.00
20	64QAM	1	0	18.00	18.10	18.00	20.00
20	64QAM	1	49	18.00	18.06	18.01	20.00
20	64QAM	1	99	18.01	18.23	18.00	20.00
20	64QAM	50	0	18.08	18.25	18.00	20.00
20	64QAM	50	24	18.01	18.11	18.01	20.00
20	64QAM	50	50	18.00	18.22	18.01	20.00
20	64QAM	100	0	18.01	18.22	18.00	20.00
20	256QAM	1	0	18.12	18.25	18.01	20.00
20	256QAM	1	49	18.25	18.38	18.11	20.00
20	256QAM	1	99	18.08	18.20	18.00	20.00
20	256QAM	50	0	18.06	18.23	18.00	20.00
20	256QAM	50	24	18.01	18.21	18.00	20.00
20	256QAM	50	50	18.02	18.14	18.01	20.00
20	256QAM	100	0	18.00	18.19	18.00	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.25	18.29	18.08	20.00
15	QPSK	1	37	18.01	18.16	18.02	20.00
15	QPSK	1	74	18.03	18.25	18.01	20.00
15	QPSK	36	0	18.05	18.23	18.00	20.00
15	QPSK	36	20	18.00	18.06	18.02	20.00
15	QPSK	36	39	18.01	18.00	18.00	20.00
15	QPSK	75	0	18.01	18.16	18.02	20.00
15	16QAM	1	0	18.02	18.05	18.00	20.00
15	16QAM	1	37	18.00	18.06	18.00	20.00
15	16QAM	1	74	18.01	18.01	18.01	20.00
15	16QAM	36	0	18.01	18.02	18.02	20.00
15	16QAM	36	20	18.01	18.08	18.00	20.00
15	16QAM	36	39	18.00	18.10	18.00	20.00
15	16QAM	75	0	18.01	18.09	18.00	20.00
15	64QAM	1	0	18.01	18.07	18.01	20.00
15	64QAM	1	37	18.01	18.01	18.00	20.00
15	64QAM	1	74	18.00	18.08	18.00	20.00
15	64QAM	36	0	18.00	18.13	18.01	20.00
15	64QAM	36	20	18.01	18.00	18.00	20.00
15	64QAM	36	39	18.01	18.18	18.01	20.00
15	64QAM	75	0	18.00	18.17	18.00	20.00
15	256QAM	1	0	18.06	18.21	18.00	20.00
15	256QAM	1	37	18.20	18.33	18.00	20.00
15	256QAM	1	74	18.01	18.08	18.00	20.00
15	256QAM	36	0	18.04	18.12	18.00	20.00
15	256QAM	36	20	18.00	18.09	18.00	20.00
15	256QAM	36	39	18.01	18.08	18.00	20.00
15	256QAM	75	0	18.01	18.05	18.00	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	18.29	18.27	18.14	20.00
10	QPSK	1	25	18.01	18.25	18.00	20.00
10	QPSK	1	49	18.01	18.14	18.01	20.00
10	QPSK	25	0	18.00	18.24	18.00	20.00
10	QPSK	25	12	18.01	18.00	18.01	20.00
10	QPSK	25	25	18.02	18.10	18.01	20.00
10	QPSK	50	0	18.00	18.05	18.01	20.00
10	16QAM	1	0	18.00	18.01	18.01	20.00
10	16QAM	1	25	18.00	18.06	18.01	20.00
10	16QAM	1	49	18.01	18.00	18.01	20.00
10	16QAM	25	0	18.00	18.00	18.00	20.00



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10	16QAM	25	12	18.00	18.03	18.00	20.00
10	16QAM	25	25	18.02	18.14	18.02	20.00
10	16QAM	50	0	18.01	18.16	18.00	20.00
10	64QAM	1	0	18.00	18.01	18.00	20.00
10	64QAM	1	25	18.00	18.02	18.02	20.00
10	64QAM	1	49	18.01	18.09	18.02	20.00
10	64QAM	25	0	18.01	18.14	18.01	20.00
10	64QAM	25	12	18.00	18.04	18.01	20.00
10	64QAM	25	25	18.00	18.18	18.00	20.00
10	64QAM	50	0	18.02	18.15	18.00	20.00
10	256QAM	1	0	18.09	18.22	18.00	20.00
10	256QAM	1	25	18.13	18.29	18.01	20.00
10	256QAM	1	49	18.00	18.09	18.00	20.00
10	256QAM	25	0	18.01	18.19	18.00	20.00
10	256QAM	25	12	18.00	18.11	18.00	20.00
10	256QAM	25	25	18.01	18.11	18.00	20.00
10	256QAM	50	0	18.00	18.09	18.00	20.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	18.29	18.28	18.10	20.00
5	QPSK	1	12	18.01	18.19	18.00	20.00
5	QPSK	1	24	18.05	18.21	18.00	20.00
5	QPSK	12	0	18.00	18.26	18.00	20.00
5	QPSK	12	7	18.01	18.01	18.00	20.00
5	QPSK	12	13	18.00	18.00	18.02	20.00
5	QPSK	25	0	18.00	18.16	18.01	20.00
5	16QAM	1	0	18.02	18.00	18.01	20.00
5	16QAM	1	12	18.02	18.06	18.01	20.00
5	16QAM	1	24	18.02	18.02	18.00	20.00
5	16QAM	12	0	18.00	18.00	18.00	20.00
5	16QAM	12	7	18.01	18.12	18.00	20.00
5	16QAM	12	13	18.03	18.13	18.00	20.00
5	16QAM	25	0	18.00	18.17	18.00	20.00
5	64QAM	1	0	18.01	18.08	18.00	20.00
5	64QAM	1	12	18.02	18.00	18.00	20.00
5	64QAM	1	24	18.01	18.10	18.00	20.00
5	64QAM	12	0	18.06	18.21	18.01	20.00
5	64QAM	12	7	18.02	18.01	18.02	20.00
5	64QAM	12	13	18.02	18.09	18.01	20.00
5	64QAM	25	0	18.00	18.17	18.00	20.00
5	256QAM	1	0	18.09	18.15	18.00	20.00
5	256QAM	1	12	18.14	18.35	18.06	20.00
5	256QAM	1	24	18.06	18.18	18.00	20.00
5	256QAM	12	0	18.03	18.14	18.00	20.00
5	256QAM	12	7	18.01	18.14	18.01	20.00
5	256QAM	12	13	18.00	18.05	18.01	20.00
5	256QAM	25	0	18.00	18.11	18.01	20.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	18.23	18.40	18.06	20.00
3	QPSK	1	8	18.00	18.17	18.01	20.00
3	QPSK	1	14	18.00	18.12	18.01	20.00
3	QPSK	8	0	18.01	18.27	18.02	20.00
3	QPSK	8	4	18.00	18.04	18.00	20.00
3	QPSK	8	7	18.01	18.04	18.01	20.00
3	QPSK	15	0	18.01	18.18	18.00	20.00
3	16QAM	1	0	18.00	18.02	18.00	20.00
3	16QAM	1	8	18.01	18.04	18.01	20.00
3	16QAM	1	14	18.00	18.00	18.01	20.00
3	16QAM	8	0	18.00	18.00	18.00	20.00
3	16QAM	8	4	18.01	18.09	18.01	20.00
3	16QAM	8	7	18.00	18.12	18.00	20.00
3	16QAM	15	0	18.01	18.20	18.01	20.00
3	64QAM	1	0	18.00	18.01	18.00	20.00
3	64QAM	1	8	18.00	18.02	18.00	20.00
3	64QAM	1	14	18.00	18.11	18.00	20.00
3	64QAM	8	0	18.00	18.11	18.02	20.00
3	64QAM	8	4	18.01	18.00	18.01	20.00
3	64QAM	8	7	18.01	18.19	18.00	20.00
3	64QAM	15	0	18.00	18.20	18.00	20.00
3	256QAM	1	0	18.04	18.16	18.02	20.00
3	256QAM	1	8	18.18	18.29	18.04	20.00
3	256QAM	1	14	18.00	18.11	18.00	20.00
3	256QAM	8	0	18.00	18.12	18.01	20.00
3	256QAM	8	4	18.00	18.15	18.01	20.00
3	256QAM	8	7	18.01	18.11	18.00	20.00
3	256QAM	15	0	18.00	18.07	18.00	20.00
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	18.26	18.39	18.14	20.00
1.4	QPSK	1	3	18.01	18.17	18.01	20.00
1.4	QPSK	1	5	18.02	18.16	18.00	20.00
1.4	QPSK	3	0	18.07	18.26	18.00	20.00
1.4	QPSK	3	1	18.00	18.00	18.02	20.00
1.4	QPSK	3	3	18.00	18.07	18.01	20.00
1.4	QPSK	6	0	18.01	18.17	18.00	20.00
1.4	16QAM	1	0	18.01	18.00	18.00	20.00
1.4	16QAM	1	3	18.00	18.08	18.00	20.00
1.4	16QAM	1	5	18.00	18.00	18.02	20.00
1.4	16QAM	3	0	18.00	18.00	18.01	20.00
1.4	16QAM	3	1	18.00	18.08	18.01	20.00
1.4	16QAM	3	3	18.02	18.14	18.01	20.00
1.4	16QAM	6	0	18.01	18.15	18.00	20.00
1.4	64QAM	1	0	18.02	18.00	18.01	20.00
1.4	64QAM	1	3	18.01	18.00	18.01	20.00
1.4	64QAM	1	5	18.00	18.21	18.01	20.00
1.4	64QAM	3	0	18.02	18.12	18.01	20.00
1.4	64QAM	3	1	18.01	18.07	18.00	20.00
1.4	64QAM	3	3	18.00	18.16	18.00	20.00
1.4	64QAM	6	0	18.00	18.18	18.00	20.00
1.4	256QAM	1	0	18.07	18.15	18.00	20.00
1.4	256QAM	1	3	18.11	18.30	18.00	20.00
1.4	256QAM	1	5	18.05	18.10	18.01	20.00
1.4	256QAM	3	0	18.02	18.13	18.00	20.00
1.4	256QAM	3	1	18.02	18.14	18.00	20.00
1.4	256QAM	3	3	18.00	18.02	18.00	20.00
1.4	256QAM	6	0	18.01	18.09	18.00	20.00

【LTE Band 2_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.27	23.60	23.41	25.10
20	QPSK	1	49	23.11	23.15	23.10	25.10
20	QPSK	1	99	23.10	23.33	23.11	25.10
20	QPSK	50	0	22.10	22.35	22.10	24.10
20	QPSK	50	24	22.11	22.28	22.10	24.10
20	QPSK	50	50	22.12	22.31	22.10	24.10
20	QPSK	100	0	22.10	22.28	22.10	24.10
20	16QAM	1	0	22.11	22.37	22.17	24.10
20	16QAM	1	49	22.10	22.13	22.11	24.10
20	16QAM	1	99	22.10	22.31	22.11	24.10
20	16QAM	50	0	21.14	21.52	21.32	23.10
20	16QAM	50	24	21.10	21.30	21.10	23.10
20	16QAM	50	50	21.11	21.26	21.11	23.10
20	16QAM	100	0	21.11	21.30	21.10	23.10
20	64QAM	1	0	21.11	21.30	21.11	23.10
20	64QAM	1	49	21.11	21.44	21.24	23.10
20	64QAM	1	99	21.10	21.39	21.12	23.10
20	64QAM	50	0	20.10	20.35	20.11	22.10
20	64QAM	50	24	20.10	20.22	20.10	22.10
20	64QAM	50	50	20.10	20.34	20.15	22.10
20	64QAM	100	0	20.11	20.32	20.11	22.10
20	256QAM	1	0	18.10	18.11	18.11	20.10
20	256QAM	1	49	18.10	18.20	18.10	20.10
20	256QAM	1	99	18.10	18.34	18.13	20.10
20	256QAM	50	0	18.18	18.45	18.18	20.10
20	256QAM	50	24	18.11	18.24	18.11	20.10
20	256QAM	50	50	18.10	18.36	18.13	20.10
20	256QAM	100	0	18.12	18.38	18.18	20.10
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.13	23.55	23.31	25.10
15	QPSK	1	37	23.10	23.12	23.11	25.10
15	QPSK	1	74	23.10	23.23	23.11	25.10
15	QPSK	36	0	22.11	22.24	22.10	24.10
15	QPSK	36	20	22.11	22.25	22.10	24.10
15	QPSK	36	39	22.10	22.29	22.10	24.10
15	QPSK	75	0	22.10	22.23	22.10	24.10
15	16QAM	1	0	22.10	22.27	22.11	24.10



15	16QAM	1	37	22.11	22.12	22.10	24.10
15	16QAM	1	74	22.10	22.25	22.10	24.10
15	16QAM	36	0	21.10	21.43	21.26	23.10
15	16QAM	36	20	21.10	21.16	21.10	23.10
15	16QAM	36	39	21.11	21.16	21.10	23.10
15	16QAM	75	0	21.12	21.29	21.12	23.10
15	64QAM	1	0	21.11	21.23	21.10	23.10
15	64QAM	1	37	21.11	21.35	21.14	23.10
15	64QAM	1	74	21.11	21.32	21.10	23.10
15	64QAM	36	0	20.11	20.33	20.11	22.10
15	64QAM	36	20	20.10	20.15	20.12	22.10
15	64QAM	36	39	20.10	20.23	20.11	22.10
15	64QAM	75	0	20.11	20.25	20.10	22.10
15	256QAM	1	0	18.12	18.11	18.12	20.10
15	256QAM	1	37	18.10	18.14	18.10	20.10
15	256QAM	1	74	18.10	18.30	18.11	20.10
15	256QAM	36	0	18.10	18.36	18.12	20.10
15	256QAM	36	20	18.10	18.19	18.11	20.10
15	256QAM	36	39	18.10	18.32	18.10	20.10
15	256QAM	75	0	18.11	18.29	18.10	20.10
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.23	23.46	23.39	25.10
10	QPSK	1	25	23.10	23.10	23.11	25.10
10	QPSK	1	49	23.10	23.27	23.11	25.10
10	QPSK	25	0	22.11	22.24	22.11	24.10
10	QPSK	25	12	22.10	22.25	22.11	24.10
10	QPSK	25	25	22.10	22.22	22.10	24.10
10	QPSK	50	0	22.10	22.15	22.10	24.10
10	16QAM	1	0	22.10	22.25	22.11	24.10
10	16QAM	1	25	22.11	22.11	22.10	24.10
10	16QAM	1	49	22.10	22.22	22.10	24.10
10	16QAM	25	0	21.10	21.46	21.23	23.10
10	16QAM	25	12	21.12	21.17	21.10	23.10
10	16QAM	25	25	21.11	21.23	21.10	23.10
10	16QAM	50	0	21.10	21.25	21.12	23.10
10	64QAM	1	0	21.12	21.24	21.10	23.10
10	64QAM	1	25	21.10	21.33	21.18	23.10
10	64QAM	1	49	21.11	21.36	21.10	23.10
10	64QAM	25	0	20.11	20.21	20.10	22.10
10	64QAM	25	12	20.10	20.15	20.10	22.10
10	64QAM	25	25	20.10	20.23	20.11	22.10
10	64QAM	50	0	20.10	20.26	20.10	22.10
10	256QAM	1	0	18.10	18.10	18.10	20.10
10	256QAM	1	25	18.10	18.12	18.10	20.10
10	256QAM	1	49	18.12	18.29	18.10	20.10
10	256QAM	25	0	18.10	18.31	18.10	20.10
10	256QAM	25	12	18.10	18.22	18.10	20.10
10	256QAM	25	25	18.10	18.33	18.12	20.10
10	256QAM	50	0	18.12	18.35	18.11	20.10
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.12	23.54	23.37	25.10
5	QPSK	1	12	23.10	23.10	23.10	25.10
5	QPSK	1	24	23.11	23.31	23.10	25.10
5	QPSK	12	0	22.10	22.32	22.10	24.10
5	QPSK	12	7	22.11	22.21	22.11	24.10
5	QPSK	12	13	22.10	22.22	22.10	24.10
5	QPSK	25	0	22.11	22.26	22.10	24.10
5	16QAM	1	0	22.12	22.22	22.15	24.10
5	16QAM	1	12	22.12	22.12	22.12	24.10
5	16QAM	1	24	22.11	22.23	22.10	24.10
5	16QAM	12	0	21.12	21.40	21.31	23.10
5	16QAM	12	7	21.10	21.19	21.12	23.10
5	16QAM	12	13	21.10	21.14	21.10	23.10
5	16QAM	25	0	21.11	21.18	21.12	23.10
5	64QAM	1	0	21.12	21.19	21.12	23.10
5	64QAM	1	12	21.11	21.41	21.16	23.10
5	64QAM	1	24	21.12	21.26	21.12	23.10
5	64QAM	12	0	20.11	20.30	20.12	22.10
5	64QAM	12	7	20.10	20.14	20.11	22.10
5	64QAM	12	13	20.10	20.25	20.10	22.10
5	64QAM	25	0	20.12	20.30	20.11	22.10
5	256QAM	1	0	18.10	18.10	18.11	20.10
5	256QAM	1	12	18.10	18.17	18.10	20.10
5	256QAM	1	24	18.10	18.31	18.10	20.10
5	256QAM	12	0	18.13	18.42	18.10	20.10
5	256QAM	12	7	18.11	18.10	18.11	20.10



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5	256QAM	12	13	18.12	18.23	18.11	20.10
5	256QAM	25	0	18.10	18.29	18.11	20.10
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.17	23.55	23.29	25.10
3	QPSK	1	8	23.10	23.11	23.11	25.10
3	QPSK	1	14	23.10	23.24	23.10	25.10
3	QPSK	8	0	22.10	22.25	22.10	24.10
3	QPSK	8	4	22.10	22.23	22.10	24.10
3	QPSK	8	7	22.10	22.23	22.10	24.10
3	QPSK	15	0	22.11	22.27	22.10	24.10
3	16QAM	1	0	22.10	22.23	22.16	24.10
3	16QAM	1	8	22.10	22.10	22.10	24.10
3	16QAM	1	14	22.12	22.25	22.11	24.10
3	16QAM	8	0	21.11	21.50	21.28	23.10
3	16QAM	8	4	21.11	21.22	21.10	23.10
3	16QAM	8	7	21.12	21.12	21.10	23.10
3	16QAM	15	0	21.12	21.24	21.12	23.10
3	64QAM	1	0	21.10	21.22	21.10	23.10
3	64QAM	1	8	21.11	21.40	21.11	23.10
3	64QAM	1	14	21.10	21.24	21.10	23.10
3	64QAM	8	0	20.11	20.32	20.11	22.10
3	64QAM	8	4	20.10	20.10	20.12	22.10
3	64QAM	8	7	20.10	20.33	20.11	22.10
3	64QAM	15	0	20.10	20.23	20.10	22.10
3	256QAM	1	0	18.10	18.11	18.10	20.10
3	256QAM	1	8	18.11	18.12	18.11	20.10
3	256QAM	1	14	18.11	18.25	18.10	20.10
3	256QAM	8	0	18.14	18.41	18.16	20.10
3	256QAM	8	4	18.11	18.12	18.10	20.10
3	256QAM	8	7	18.11	18.29	18.12	20.10
3	256QAM	15	0	18.10	18.29	18.12	20.10
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.25	23.57	23.37	25.10
1.4	QPSK	1	3	23.10	23.10	23.12	25.10
1.4	QPSK	1	5	23.10	23.30	23.10	25.10
1.4	QPSK	3	0	23.10	23.24	23.12	25.10
1.4	QPSK	3	1	23.12	23.19	23.11	25.10
1.4	QPSK	3	3	23.10	23.24	23.12	25.10
1.4	QPSK	6	0	22.12	22.26	22.10	24.10
1.4	16QAM	1	0	22.11	22.29	22.10	24.10
1.4	16QAM	1	3	22.10	22.11	22.11	24.10
1.4	16QAM	1	5	22.10	22.18	22.11	24.10
1.4	16QAM	3	0	22.10	22.43	22.18	24.10
1.4	16QAM	3	1	22.10	22.19	22.10	24.10
1.4	16QAM	3	3	22.10	22.11	22.11	24.10
1.4	16QAM	6	0	21.10	21.19	21.12	23.10
1.4	64QAM	1	0	21.11	21.16	21.10	23.10
1.4	64QAM	1	3	21.11	21.35	21.15	23.10
1.4	64QAM	1	5	21.10	21.32	21.12	23.10
1.4	64QAM	3	0	21.12	21.28	21.10	23.10
1.4	64QAM	3	1	21.11	21.11	21.11	23.10
1.4	64QAM	3	3	21.11	21.20	21.10	23.10
1.4	64QAM	6	0	20.10	20.25	20.10	22.10
1.4	256QAM	1	0	18.11	18.11	18.11	20.10
1.4	256QAM	1	3	18.10	18.10	18.10	20.10
1.4	256QAM	1	5	18.10	18.29	18.11	20.10
1.4	256QAM	3	0	18.10	18.42	18.11	20.10
1.4	256QAM	3	1	18.10	18.21	18.11	20.10
1.4	256QAM	3	3	18.11	18.28	18.10	20.10
1.4	256QAM	6	0	18.11	18.34	18.13	20.10

【LTE Band 2_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.27	23.60	23.41	25.10
20	QPSK	1	49	23.11	23.15	23.10	25.10
20	QPSK	1	99	23.10	23.33	23.11	25.10
20	QPSK	50	0	22.10	22.35	22.10	24.10
20	QPSK	50	24	22.11	22.28	22.10	24.10
20	QPSK	50	50	22.12	22.31	22.10	24.10
20	QPSK	100	0	22.10	22.28	22.10	24.10
20	16QAM	1	0	22.11	22.37	22.17	24.10
20	16QAM	1	49	22.10	22.13	22.11	24.10
20	16QAM	1	99	22.10	22.31	22.11	24.10
20	16QAM	50	0	21.14	21.52	21.32	23.10
20	16QAM	50	24	21.10	21.30	21.10	23.10
20	16QAM	50	50	21.11	21.26	21.11	23.10
20	16QAM	100	0	21.11	21.30	21.10	23.10
20	64QAM	1	0	21.11	21.30	21.11	23.10
20	64QAM	1	49	21.11	21.44	21.24	23.10
20	64QAM	1	99	21.10	21.39	21.12	23.10
20	64QAM	50	0	20.10	20.35	20.11	22.10
20	64QAM	50	24	20.10	20.22	20.10	22.10
20	64QAM	50	50	20.10	20.34	20.15	22.10
20	64QAM	100	0	20.11	20.32	20.11	22.10
20	256QAM	1	0	18.10	18.11	18.11	20.10
20	256QAM	1	49	18.10	18.20	18.10	20.10
20	256QAM	1	99	18.10	18.34	18.13	20.10
20	256QAM	50	0	18.18	18.45	18.18	20.10
20	256QAM	50	24	18.11	18.24	18.11	20.10
20	256QAM	50	50	18.10	18.36	18.13	20.10
20	256QAM	100	0	18.12	18.38	18.18	20.10
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.13	23.55	23.31	25.10
15	QPSK	1	37	23.10	23.12	23.11	25.10
15	QPSK	1	74	23.10	23.23	23.11	25.10
15	QPSK	36	0	22.11	22.24	22.10	24.10
15	QPSK	36	20	22.11	22.25	22.10	24.10
15	QPSK	36	39	22.10	22.29	22.10	24.10
15	QPSK	75	0	22.10	22.23	22.10	24.10
15	16QAM	1	0	22.10	22.27	22.11	24.10
15	16QAM	1	37	22.11	22.12	22.10	24.10
15	16QAM	1	74	22.10	22.25	22.10	24.10
15	16QAM	36	0	21.10	21.43	21.26	23.10
15	16QAM	36	20	21.10	21.16	21.10	23.10
15	16QAM	36	39	21.11	21.16	21.10	23.10
15	16QAM	75	0	21.12	21.29	21.12	23.10
15	64QAM	1	0	21.11	21.23	21.10	23.10
15	64QAM	1	37	21.11	21.35	21.14	23.10
15	64QAM	1	74	21.11	21.32	21.10	23.10
15	64QAM	36	0	20.11	20.33	20.11	22.10
15	64QAM	36	20	20.10	20.15	20.12	22.10
15	64QAM	36	39	20.10	20.23	20.11	22.10
15	64QAM	75	0	20.11	20.25	20.10	22.10
15	256QAM	1	0	18.12	18.11	18.12	20.10
15	256QAM	1	37	18.10	18.14	18.10	20.10
15	256QAM	1	74	18.10	18.30	18.11	20.10
15	256QAM	36	0	18.10	18.36	18.12	20.10
15	256QAM	36	20	18.10	18.19	18.11	20.10
15	256QAM	36	39	18.10	18.32	18.10	20.10
15	256QAM	75	0	18.11	18.29	18.10	20.10
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.23	23.46	23.39	25.10
10	QPSK	1	25	23.10	23.10	23.11	25.10
10	QPSK	1	49	23.10	23.27	23.11	25.10
10	QPSK	25	0	22.11	22.24	22.11	24.10
10	QPSK	25	12	22.10	22.25	22.11	24.10
10	QPSK	25	25	22.10	22.22	22.10	24.10
10	QPSK	50	0	22.10	22.15	22.10	24.10
10	16QAM	1	0	22.10	22.25	22.11	24.10
10	16QAM	1	25	22.11	22.11	22.10	24.10
10	16QAM	1	49	22.10	22.22	22.10	24.10



10	16QAM	25	0	21.10	21.46	21.23	23.10
10	16QAM	25	12	21.12	21.17	21.10	23.10
10	16QAM	25	25	21.11	21.23	21.10	23.10
10	16QAM	50	0	21.10	21.25	21.12	23.10
10	64QAM	1	0	21.12	21.24	21.10	23.10
10	64QAM	1	25	21.10	21.33	21.18	23.10
10	64QAM	1	49	21.11	21.36	21.10	23.10
10	64QAM	25	0	20.11	20.21	20.10	22.10
10	64QAM	25	12	20.10	20.15	20.10	22.10
10	64QAM	25	25	20.10	20.23	20.11	22.10
10	64QAM	50	0	20.10	20.26	20.10	22.10
10	256QAM	1	0	18.10	18.10	18.10	20.10
10	256QAM	1	25	18.10	18.12	18.10	20.10
10	256QAM	1	49	18.12	18.29	18.10	20.10
10	256QAM	25	0	18.10	18.31	18.10	20.10
10	256QAM	25	12	18.10	18.22	18.10	20.10
10	256QAM	25	25	18.10	18.33	18.12	20.10
10	256QAM	50	0	18.12	18.35	18.11	20.10
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.12	23.54	23.37	25.10
5	QPSK	1	12	23.10	23.10	23.10	25.10
5	QPSK	1	24	23.11	23.31	23.10	25.10
5	QPSK	12	0	22.10	22.32	22.10	24.10
5	QPSK	12	7	22.11	22.21	22.11	24.10
5	QPSK	12	13	22.10	22.22	22.10	24.10
5	QPSK	25	0	22.11	22.26	22.10	24.10
5	16QAM	1	0	22.12	22.22	22.15	24.10
5	16QAM	1	12	22.12	22.12	22.12	24.10
5	16QAM	1	24	22.11	22.23	22.10	24.10
5	16QAM	12	0	21.12	21.40	21.31	23.10
5	16QAM	12	7	21.10	21.19	21.12	23.10
5	16QAM	12	13	21.10	21.14	21.10	23.10
5	16QAM	25	0	21.11	21.18	21.12	23.10
5	64QAM	1	0	21.12	21.19	21.12	23.10
5	64QAM	1	12	21.11	21.41	21.16	23.10
5	64QAM	1	24	21.12	21.26	21.12	23.10
5	64QAM	12	0	20.11	20.30	20.12	22.10
5	64QAM	12	7	20.10	20.14	20.11	22.10
5	64QAM	12	13	20.10	20.25	20.10	22.10
5	64QAM	25	0	20.12	20.30	20.11	22.10
5	256QAM	1	0	18.10	18.10	18.11	20.10
5	256QAM	1	12	18.10	18.17	18.10	20.10
5	256QAM	1	24	18.10	18.31	18.10	20.10
5	256QAM	12	0	18.13	18.42	18.10	20.10
5	256QAM	12	7	18.11	18.10	18.11	20.10
5	256QAM	12	13	18.12	18.23	18.11	20.10
5	256QAM	25	0	18.10	18.29	18.11	20.10
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.17	23.55	23.29	25.10
3	QPSK	1	8	23.10	23.11	23.11	25.10
3	QPSK	1	14	23.10	23.24	23.10	25.10
3	QPSK	8	0	22.10	22.25	22.10	24.10
3	QPSK	8	4	22.10	22.23	22.10	24.10
3	QPSK	8	7	22.10	22.23	22.10	24.10
3	QPSK	15	0	22.11	22.27	22.10	24.10
3	16QAM	1	0	22.10	22.23	22.16	24.10
3	16QAM	1	8	22.10	22.10	22.10	24.10
3	16QAM	1	14	22.12	22.25	22.11	24.10
3	16QAM	8	0	21.11	21.50	21.28	23.10
3	16QAM	8	4	21.11	21.22	21.10	23.10
3	16QAM	8	7	21.12	21.12	21.10	23.10
3	16QAM	15	0	21.12	21.24	21.12	23.10
3	64QAM	1	0	21.10	21.22	21.10	23.10
3	64QAM	1	8	21.11	21.40	21.11	23.10
3	64QAM	1	14	21.10	21.24	21.10	23.10
3	64QAM	8	0	20.11	20.32	20.11	22.10
3	64QAM	8	4	20.10	20.10	20.12	22.10
3	64QAM	8	7	20.10	20.33	20.11	22.10
3	64QAM	15	0	20.10	20.23	20.10	22.10
3	256QAM	1	0	18.10	18.11	18.10	20.10
3	256QAM	1	8	18.11	18.12	18.11	20.10
3	256QAM	1	14	18.11	18.25	18.10	20.10
3	256QAM	8	0	18.14	18.41	18.16	20.10
3	256QAM	8	4	18.11	18.12	18.10	20.10
3	256QAM	8	7	18.11	18.29	18.12	20.10
3	256QAM	15	0	18.10	18.29	18.12	20.10

Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.25	23.57	23.37	25.10
1.4	QPSK	1	3	23.10	23.10	23.12	25.10
1.4	QPSK	1	5	23.10	23.30	23.10	25.10
1.4	QPSK	3	0	23.10	23.24	23.12	25.10
1.4	QPSK	3	1	23.12	23.19	23.11	25.10
1.4	QPSK	3	3	23.10	23.24	23.12	25.10
1.4	QPSK	6	0	22.12	22.26	22.10	24.10
1.4	16QAM	1	0	22.11	22.29	22.10	24.10
1.4	16QAM	1	3	22.10	22.11	22.11	24.10
1.4	16QAM	1	5	22.10	22.18	22.11	24.10
1.4	16QAM	3	0	22.10	22.43	22.18	24.10
1.4	16QAM	3	1	22.10	22.19	22.10	24.10
1.4	16QAM	3	3	22.10	22.11	22.11	24.10
1.4	16QAM	6	0	21.10	21.19	21.12	23.10
1.4	64QAM	1	0	21.11	21.16	21.10	23.10
1.4	64QAM	1	3	21.11	21.35	21.15	23.10
1.4	64QAM	1	5	21.10	21.32	21.12	23.10
1.4	64QAM	3	0	21.12	21.28	21.10	23.10
1.4	64QAM	3	1	21.11	21.11	21.11	23.10
1.4	64QAM	3	3	21.11	21.20	21.10	23.10
1.4	64QAM	6	0	20.10	20.25	20.10	22.10
1.4	256QAM	1	0	18.11	18.11	18.11	20.10
1.4	256QAM	1	3	18.10	18.10	18.10	20.10
1.4	256QAM	1	5	18.10	18.29	18.11	20.10
1.4	256QAM	3	0	18.10	18.42	18.11	20.10
1.4	256QAM	3	1	18.10	18.21	18.11	20.10
1.4	256QAM	3	3	18.11	18.28	18.10	20.10
1.4	256QAM	6	0	18.11	18.34	18.13	20.10

【LTE Band 2_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.05	16.16	15.94	16.80
20	QPSK	1	49	15.87	16.05	15.91	16.80
20	QPSK	1	99	16.00	16.05	15.88	16.80
20	QPSK	50	0	15.94	16.01	15.97	16.80
20	QPSK	50	24	15.79	15.85	15.84	16.80
20	QPSK	50	50	15.78	15.81	15.86	16.80
20	QPSK	100	0	15.64	15.88	15.62	16.80
20	16QAM	1	0	15.75	15.85	15.90	16.80
20	16QAM	1	49	15.79	15.83	15.86	16.80
20	16QAM	1	99	15.80	15.85	15.81	16.80
20	16QAM	50	0	15.87	15.91	15.77	16.80
20	16QAM	50	24	15.89	15.87	16.06	16.80
20	16QAM	50	50	15.89	15.95	15.99	16.80
20	16QAM	100	0	15.89	16.00	15.91	16.80
20	64QAM	1	0	15.94	15.94	16.03	16.80
20	64QAM	1	49	15.88	15.83	16.01	16.80
20	64QAM	1	99	15.87	16.08	15.92	16.80
20	64QAM	50	0	15.95	15.95	15.94	16.80
20	64QAM	50	24	15.87	15.93	15.92	16.80
20	64QAM	50	50	15.87	15.92	16.08	16.80
20	64QAM	100	0	15.93	15.96	15.94	16.80
20	256QAM	1	0	15.92	15.96	15.87	16.80
20	256QAM	1	49	15.86	16.12	15.82	16.80
20	256QAM	1	99	15.93	15.96	15.96	16.80
20	256QAM	50	0	15.84	16.02	15.94	16.80
20	256QAM	50	24	15.78	15.88	15.89	16.80
20	256QAM	50	50	15.85	15.97	15.88	16.80
20	256QAM	100	0	15.90	15.88	15.88	16.80
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.92	16.10	15.83	16.80
15	QPSK	1	37	15.83	15.98	15.87	16.80
15	QPSK	1	74	15.95	15.99	15.82	16.80
15	QPSK	36	0	15.83	15.95	15.90	16.80
15	QPSK	36	20	15.65	15.82	15.70	16.80
15	QPSK	36	39	15.70	15.73	15.75	16.80
15	QPSK	75	0	15.61	15.78	15.58	16.80



15	16QAM	1	0	15.68	15.75	15.79	16.80
15	16QAM	1	37	15.68	15.72	15.77	16.80
15	16QAM	1	74	15.72	15.84	15.73	16.80
15	16QAM	36	0	15.73	15.77	15.67	16.80
15	16QAM	36	20	15.75	15.84	15.94	16.80
15	16QAM	36	39	15.75	15.91	15.94	16.80
15	16QAM	75	0	15.76	15.97	15.80	16.80
15	64QAM	1	0	15.91	15.81	15.95	16.80
15	64QAM	1	37	15.73	15.69	15.91	16.80
15	64QAM	1	74	15.82	15.93	15.80	16.80
15	64QAM	36	0	15.85	15.86	15.88	16.80
15	64QAM	36	20	15.73	15.81	15.85	16.80
15	64QAM	36	39	15.73	15.89	15.98	16.80
15	64QAM	75	0	15.89	15.91	15.85	16.80
15	256QAM	1	0	15.87	15.83	15.85	16.80
15	256QAM	1	37	15.81	16.02	15.71	16.80
15	256QAM	1	74	15.92	15.85	15.83	16.80
15	256QAM	36	0	15.80	15.96	15.86	16.80
15	256QAM	36	20	15.64	15.82	15.84	16.80
15	256QAM	36	39	15.77	15.90	15.83	16.80
15	256QAM	75	0	15.87	15.84	15.84	16.80
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	15.97	16.07	15.92	16.80
10	QPSK	1	25	15.80	15.93	15.86	16.80
10	QPSK	1	49	15.96	15.92	15.86	16.80
10	QPSK	25	0	15.84	15.98	15.94	16.80
10	QPSK	25	12	15.78	15.71	15.73	16.80
10	QPSK	25	25	15.77	15.76	15.80	16.80
10	QPSK	50	0	15.55	15.73	15.54	16.80
10	16QAM	1	0	15.71	15.76	15.83	16.80
10	16QAM	1	25	15.69	15.72	15.77	16.80
10	16QAM	1	49	15.75	15.79	15.76	16.80
10	16QAM	25	0	15.85	15.80	15.64	16.80
10	16QAM	25	12	15.75	15.75	15.95	16.80
10	16QAM	25	25	15.88	15.91	15.89	16.80
10	16QAM	50	0	15.87	15.94	15.87	16.80
10	64QAM	1	0	15.85	15.87	15.91	16.80
10	64QAM	1	25	15.86	15.74	15.91	16.80
10	64QAM	1	49	15.82	15.98	15.80	16.80
10	64QAM	25	0	15.89	15.89	15.83	16.80
10	64QAM	25	12	15.85	15.83	15.85	16.80
10	64QAM	25	25	15.72	15.85	16.03	16.80
10	64QAM	50	0	15.80	15.94	15.93	16.80
10	256QAM	1	0	15.77	15.84	15.75	16.80
10	256QAM	1	25	15.82	16.02	15.74	16.80
10	256QAM	1	49	15.87	15.82	15.84	16.80
10	256QAM	25	0	15.77	16.00	15.88	16.80
10	256QAM	25	12	15.70	15.86	15.88	16.80
10	256QAM	25	25	15.75	15.86	15.82	16.80
10	256QAM	50	0	15.87	15.75	15.87	16.80
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.93	16.12	15.88	16.80
5	QPSK	1	12	15.82	15.96	15.84	16.80
5	QPSK	1	24	15.86	16.01	15.81	16.80
5	QPSK	12	0	15.89	15.87	15.87	16.80
5	QPSK	12	7	15.77	15.81	15.72	16.80
5	QPSK	12	13	15.67	15.70	15.72	16.80
5	QPSK	25	0	15.61	15.74	15.52	16.80
5	16QAM	1	0	15.72	15.72	15.79	16.80
5	16QAM	1	12	15.75	15.80	15.76	16.80
5	16QAM	1	24	15.72	15.82	15.76	16.80
5	16QAM	12	0	15.76	15.79	15.73	16.80
5	16QAM	12	7	15.87	15.80	15.92	16.80
5	16QAM	12	13	15.87	15.85	15.87	16.80
5	16QAM	25	0	15.77	15.85	15.82	16.80
5	64QAM	1	0	15.92	15.81	15.97	16.80
5	64QAM	1	12	15.79	15.77	15.88	16.80
5	64QAM	1	24	15.72	15.98	15.90	16.80
5	64QAM	12	0	15.85	15.83	15.81	16.80
5	64QAM	12	7	15.78	15.89	15.81	16.80
5	64QAM	12	13	15.73	15.86	15.95	16.80
5	64QAM	25	0	15.92	15.92	15.92	16.80
5	256QAM	1	0	15.86	15.88	15.81	16.80
5	256QAM	1	12	15.84	16.08	15.69	16.80
5	256QAM	1	24	15.82	15.90	15.93	16.80
5	256QAM	12	0	15.79	15.89	15.85	16.80



5	256QAM	12	7	15.65	15.78	15.81	16.80
5	256QAM	12	13	15.78	15.94	15.76	16.80
5	256QAM	25	0	15.87	15.86	15.84	16.80
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.02	16.06	15.91	16.80
3	QPSK	1	8	15.75	16.02	15.78	16.80
3	QPSK	1	14	15.86	16.00	15.78	16.80
3	QPSK	8	0	15.81	15.88	15.86	16.80
3	QPSK	8	4	15.71	15.72	15.76	16.80
3	QPSK	8	7	15.70	15.69	15.73	16.80
3	QPSK	15	0	15.60	15.84	15.60	16.80
3	16QAM	1	0	15.71	15.79	15.87	16.80
3	16QAM	1	8	15.77	15.80	15.77	16.80
3	16QAM	1	14	15.76	15.79	15.72	16.80
3	16QAM	8	0	15.74	15.87	15.66	16.80
3	16QAM	8	4	15.85	15.74	15.94	16.80
3	16QAM	8	7	15.77	15.81	15.96	16.80
3	16QAM	15	0	15.78	15.93	15.80	16.80
3	64QAM	1	0	15.79	15.81	16.02	16.80
3	64QAM	1	8	15.75	15.78	15.92	16.80
3	64QAM	1	14	15.85	15.98	15.83	16.80
3	64QAM	8	0	15.88	15.86	15.85	16.80
3	64QAM	8	4	15.79	15.91	15.78	16.80
3	64QAM	8	7	15.85	15.85	16.03	16.80
3	64QAM	15	0	15.88	15.85	15.81	16.80
3	256QAM	1	0	15.84	15.90	15.78	16.80
3	256QAM	1	8	15.81	15.97	15.76	16.80
3	256QAM	1	14	15.84	15.91	15.84	16.80
3	256QAM	8	0	15.76	15.95	15.83	16.80
3	256QAM	8	4	15.68	15.84	15.85	16.80
3	256QAM	8	7	15.79	15.95	15.75	16.80
3	256QAM	15	0	15.79	15.83	15.77	16.80
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.01	16.07	15.90	16.80
1.4	QPSK	1	3	15.73	15.93	15.86	16.80
1.4	QPSK	1	5	15.97	16.03	15.85	16.80
1.4	QPSK	3	0	15.90	15.99	15.83	16.80
1.4	QPSK	3	1	15.75	15.73	15.77	16.80
1.4	QPSK	3	3	15.66	15.71	15.81	16.80
1.4	QPSK	6	0	15.57	15.80	15.49	16.80
1.4	16QAM	1	0	15.70	15.80	15.87	16.80
1.4	16QAM	1	3	15.65	15.72	15.74	16.80
1.4	16QAM	1	5	15.76	15.81	15.69	16.80
1.4	16QAM	3	0	15.80	15.89	15.73	16.80
1.4	16QAM	3	1	15.85	15.73	15.98	16.80
1.4	16QAM	3	3	15.76	15.84	15.88	16.80
1.4	16QAM	6	0	15.80	15.91	15.88	16.80
1.4	64QAM	1	0	15.88	15.80	15.97	16.80
1.4	64QAM	1	3	15.85	15.82	15.89	16.80
1.4	64QAM	1	5	15.75	16.02	15.78	16.80
1.4	64QAM	3	0	15.91	15.84	15.80	16.80
1.4	64QAM	3	1	15.76	15.83	15.85	16.80
1.4	64QAM	3	3	15.84	15.83	15.99	16.80
1.4	64QAM	6	0	15.81	15.93	15.87	16.80
1.4	256QAM	1	0	15.85	15.86	15.80	16.80
1.4	256QAM	1	3	15.78	16.08	15.69	16.80
1.4	256QAM	1	5	15.87	15.94	15.85	16.80
1.4	256QAM	3	0	15.70	15.92	15.85	16.80
1.4	256QAM	3	1	15.73	15.79	15.78	16.80
1.4	256QAM	3	3	15.77	15.93	15.80	16.80
1.4	256QAM	6	0	15.81	15.76	15.74	16.80

【LTE Band 4_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.85	23.91	23.88	25.10
20	QPSK	1	49	23.61	23.78	23.68	25.10
20	QPSK	1	99	23.72	23.86	23.77	25.10
20	QPSK	50	0	22.85	22.93	22.80	24.10
20	QPSK	50	24	22.65	22.84	22.79	24.10
20	QPSK	50	50	22.75	22.88	22.74	24.10
20	QPSK	100	0	22.79	22.92	22.87	24.10
20	16QAM	1	0	22.91	23.01	22.93	24.10
20	16QAM	1	49	22.73	22.82	22.76	24.10
20	16QAM	1	99	22.70	22.87	22.75	24.10
20	16QAM	50	0	21.73	21.85	21.70	23.10
20	16QAM	50	24	21.50	21.69	21.55	23.10
20	16QAM	50	50	21.51	21.67	21.53	23.10
20	16QAM	100	0	21.56	21.65	21.59	23.10
20	64QAM	1	0	21.76	21.96	21.80	23.10
20	64QAM	1	49	21.75	21.94	21.79	23.10
20	64QAM	1	99	21.59	21.78	21.66	23.10
20	64QAM	50	0	20.76	20.95	20.85	22.10
20	64QAM	50	24	20.62	20.76	20.64	22.10
20	64QAM	50	50	20.77	20.83	20.69	22.10
20	64QAM	100	0	20.78	20.90	20.85	22.10
20	256QAM	1	0	18.35	18.42	18.30	20.10
20	256QAM	1	49	18.18	18.36	18.29	20.10
20	256QAM	1	99	18.24	18.36	18.33	20.10
20	256QAM	50	0	18.24	18.31	18.20	20.10
20	256QAM	50	24	18.13	18.23	18.13	20.10
20	256QAM	50	50	18.26	18.45	18.34	20.10
20	256QAM	100	0	18.36	18.43	18.27	20.10
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.79	23.89	23.77	25.10
15	QPSK	1	37	23.57	23.69	23.63	25.10
15	QPSK	1	74	23.61	23.76	23.64	25.10
15	QPSK	36	0	22.78	22.81	22.67	24.10
15	QPSK	36	20	22.55	22.72	22.69	24.10
15	QPSK	36	39	22.74	22.87	22.73	24.10
15	QPSK	75	0	22.73	22.77	22.77	24.10
15	16QAM	1	0	22.87	22.93	22.79	24.10
15	16QAM	1	37	22.70	22.69	22.68	24.10
15	16QAM	1	74	22.60	22.79	22.71	24.10
15	16QAM	36	0	21.65	21.84	21.66	23.10
15	16QAM	36	20	21.43	21.59	21.42	23.10
15	16QAM	36	39	21.36	21.63	21.43	23.10
15	16QAM	75	0	21.50	21.52	21.55	23.10
15	64QAM	1	0	21.61	21.81	21.68	23.10
15	64QAM	1	37	21.70	21.85	21.71	23.10
15	64QAM	1	74	21.49	21.68	21.51	23.10
15	64QAM	36	0	20.73	20.80	20.73	22.10
15	64QAM	36	20	20.50	20.63	20.50	22.10
15	64QAM	36	39	20.73	20.75	20.62	22.10
15	64QAM	75	0	20.69	20.85	20.81	22.10
15	256QAM	1	0	18.28	18.41	18.28	20.10
15	256QAM	1	37	18.10	18.35	18.19	20.10
15	256QAM	1	74	18.19	18.31	18.18	20.10
15	256QAM	36	0	18.19	18.16	18.11	20.10
15	256QAM	36	20	18.12	18.17	18.11	20.10
15	256QAM	36	39	18.16	18.32	18.22	20.10
15	256QAM	75	0	18.31	18.38	18.17	20.10
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.74	23.89	23.80	25.10
10	QPSK	1	25	23.58	23.68	23.57	25.10
10	QPSK	1	49	23.67	23.76	23.67	25.10
10	QPSK	25	0	22.79	22.91	22.76	24.10
10	QPSK	25	12	22.53	22.77	22.73	24.10
10	QPSK	25	25	22.73	22.80	22.71	24.10
10	QPSK	50	0	22.69	22.89	22.85	24.10
10	16QAM	1	0	22.88	22.95	22.82	24.10
10	16QAM	1	25	22.62	22.81	22.70	24.10
10	16QAM	1	49	22.60	22.84	22.72	24.10
10	16QAM	25	0	21.63	21.82	21.61	23.10



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10	16QAM	25	12	21.42	21.66	21.50	23.10
10	16QAM	25	25	21.44	21.60	21.39	23.10
10	16QAM	50	0	21.46	21.63	21.58	23.10
10	64QAM	1	0	21.62	21.89	21.79	23.10
10	64QAM	1	25	21.66	21.85	21.68	23.10
10	64QAM	1	49	21.47	21.76	21.52	23.10
10	64QAM	25	0	20.62	20.91	20.72	22.10
10	64QAM	25	12	20.61	20.67	20.55	22.10
10	64QAM	25	25	20.76	20.80	20.57	22.10
10	64QAM	50	0	20.74	20.88	20.78	22.10
10	256QAM	1	0	18.33	18.37	18.23	20.10
10	256QAM	1	25	18.11	18.33	18.20	20.10
10	256QAM	1	49	18.20	18.22	18.30	20.10
10	256QAM	25	0	18.18	18.22	18.10	20.10
10	256QAM	25	12	18.11	18.15	18.10	20.10
10	256QAM	25	25	18.16	18.42	18.30	20.10
10	256QAM	50	0	18.33	18.34	18.17	20.10
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.74	23.88	23.76	25.10
5	QPSK	1	12	23.51	23.77	23.67	25.10
5	QPSK	1	24	23.70	23.71	23.73	25.10
5	QPSK	12	0	22.75	22.86	22.68	24.10
5	QPSK	12	7	22.57	22.72	22.76	24.10
5	QPSK	12	13	22.68	22.83	22.63	24.10
5	QPSK	25	0	22.77	22.84	22.76	24.10
5	16QAM	1	0	22.86	22.94	22.78	24.10
5	16QAM	1	12	22.62	22.74	22.73	24.10
5	16QAM	1	24	22.56	22.77	22.67	24.10
5	16QAM	12	0	21.62	21.71	21.56	23.10
5	16QAM	12	7	21.46	21.64	21.41	23.10
5	16QAM	12	13	21.50	21.54	21.51	23.10
5	16QAM	25	0	21.46	21.60	21.54	23.10
5	64QAM	1	0	21.71	21.94	21.69	23.10
5	64QAM	1	12	21.67	21.89	21.70	23.10
5	64QAM	1	24	21.54	21.73	21.58	23.10
5	64QAM	12	0	20.68	20.90	20.72	22.10
5	64QAM	12	7	20.51	20.62	20.50	22.10
5	64QAM	12	13	20.73	20.81	20.66	22.10
5	64QAM	25	0	20.71	20.76	20.81	22.10
5	256QAM	1	0	18.20	18.34	18.22	20.10
5	256QAM	1	12	18.14	18.32	18.19	20.10
5	256QAM	1	24	18.17	18.30	18.29	20.10
5	256QAM	12	0	18.21	18.19	18.14	20.10
5	256QAM	12	7	18.11	18.22	18.10	20.10
5	256QAM	12	13	18.12	18.42	18.27	20.10
5	256QAM	25	0	18.23	18.35	18.23	20.10
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.71	23.87	23.78	25.10
3	QPSK	1	8	23.54	23.72	23.60	25.10
3	QPSK	1	14	23.63	23.80	23.72	25.10
3	QPSK	8	0	22.73	22.86	22.74	24.10
3	QPSK	8	4	22.52	22.81	22.77	24.10
3	QPSK	8	7	22.68	22.76	22.61	24.10
3	QPSK	15	0	22.76	22.83	22.86	24.10
3	16QAM	1	0	22.83	22.91	22.81	24.10
3	16QAM	1	8	22.62	22.71	22.74	24.10
3	16QAM	1	14	22.59	22.77	22.68	24.10
3	16QAM	8	0	21.71	21.74	21.62	23.10
3	16QAM	8	4	21.43	21.61	21.45	23.10
3	16QAM	8	7	21.46	21.58	21.40	23.10
3	16QAM	15	0	21.41	21.54	21.50	23.10
3	64QAM	1	0	21.72	21.84	21.73	23.10
3	64QAM	1	8	21.74	21.91	21.73	23.10
3	64QAM	1	14	21.45	21.65	21.56	23.10
3	64QAM	8	0	20.71	20.83	20.72	22.10
3	64QAM	8	4	20.50	20.71	20.61	22.10
3	64QAM	8	7	20.75	20.70	20.68	22.10
3	64QAM	15	0	20.77	20.77	20.75	22.10
3	256QAM	1	0	18.31	18.33	18.25	20.10
3	256QAM	1	8	18.12	18.28	18.20	20.10
3	256QAM	1	14	18.15	18.34	18.20	20.10
3	256QAM	8	0	18.16	18.30	18.14	20.10
3	256QAM	8	4	18.12	18.12	18.11	20.10
3	256QAM	8	7	18.12	18.31	18.21	20.10
3	256QAM	15	0	18.34	18.35	18.15	20.10
Channel				19957	20175	20393	Tune-up limit

Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.77	23.89	23.81	25.10
1.4	QPSK	1	3	23.49	23.64	23.53	25.10
1.4	QPSK	1	5	23.69	23.84	23.71	25.10
1.4	QPSK	3	0	23.74	23.85	23.73	25.10
1.4	QPSK	3	1	23.54	23.80	23.70	25.10
1.4	QPSK	3	3	23.73	23.82	23.70	25.10
1.4	QPSK	6	0	22.76	22.84	22.73	24.10
1.4	16QAM	1	0	22.88	22.87	22.91	24.10
1.4	16QAM	1	3	22.59	22.68	22.65	24.10
1.4	16QAM	1	5	22.56	22.84	22.71	24.10
1.4	16QAM	3	0	22.66	22.77	22.63	24.10
1.4	16QAM	3	1	22.47	22.61	22.42	24.10
1.4	16QAM	3	3	22.49	22.58	22.43	24.10
1.4	16QAM	6	0	21.46	21.62	21.52	23.10
1.4	64QAM	1	0	21.66	21.83	21.69	23.10
1.4	64QAM	1	3	21.62	21.87	21.76	23.10
1.4	64QAM	1	5	21.45	21.74	21.56	23.10
1.4	64QAM	3	0	21.73	21.92	21.81	23.10
1.4	64QAM	3	1	21.50	21.72	21.49	23.10
1.4	64QAM	3	3	21.66	21.71	21.57	23.10
1.4	64QAM	6	0	20.75	20.83	20.82	22.10
1.4	256QAM	1	0	18.25	18.34	18.22	20.10
1.4	256QAM	1	3	18.13	18.29	18.23	20.10
1.4	256QAM	1	5	18.10	18.22	18.32	20.10
1.4	256QAM	3	0	18.18	18.18	18.16	20.10
1.4	256QAM	3	1	18.11	18.15	18.10	20.10
1.4	256QAM	3	3	18.22	18.39	18.20	20.10
1.4	256QAM	6	0	18.33	18.29	18.25	20.10

【LTE Band 4_Ant 1_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.85	23.91	23.88	25.10
20	QPSK	1	49	23.61	23.78	23.68	25.10
20	QPSK	1	99	23.72	23.86	23.77	25.10
20	QPSK	50	0	22.85	22.93	22.80	24.10
20	QPSK	50	24	22.65	22.84	22.79	24.10
20	QPSK	50	50	22.75	22.88	22.74	24.10
20	QPSK	100	0	22.79	22.92	22.87	24.10
20	16QAM	1	0	22.91	23.01	22.93	24.10
20	16QAM	1	49	22.73	22.82	22.76	24.10
20	16QAM	1	99	22.70	22.87	22.75	24.10
20	16QAM	50	0	21.73	21.85	21.70	23.10
20	16QAM	50	24	21.50	21.69	21.55	23.10
20	16QAM	50	50	21.51	21.67	21.53	23.10
20	16QAM	100	0	21.56	21.65	21.59	23.10
20	64QAM	1	0	21.76	21.96	21.80	23.10
20	64QAM	1	49	21.75	21.94	21.79	23.10
20	64QAM	1	99	21.59	21.78	21.66	23.10
20	64QAM	50	0	20.76	20.95	20.85	22.10
20	64QAM	50	24	20.62	20.76	20.64	22.10
20	64QAM	50	50	20.77	20.83	20.69	22.10
20	64QAM	100	0	20.78	20.90	20.85	22.10
20	256QAM	1	0	18.35	18.42	18.30	20.10
20	256QAM	1	49	18.18	18.36	18.29	20.10
20	256QAM	1	99	18.24	18.36	18.33	20.10
20	256QAM	50	0	18.24	18.31	18.20	20.10
20	256QAM	50	24	18.13	18.23	18.13	20.10
20	256QAM	50	50	18.26	18.45	18.34	20.10
20	256QAM	100	0	18.36	18.43	18.27	20.10
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.79	23.89	23.77	25.10
15	QPSK	1	37	23.57	23.69	23.63	25.10
15	QPSK	1	74	23.61	23.76	23.64	25.10
15	QPSK	36	0	22.78	22.81	22.67	24.10
15	QPSK	36	20	22.55	22.72	22.69	24.10
15	QPSK	36	39	22.74	22.87	22.73	24.10
15	QPSK	75	0	22.73	22.77	22.77	24.10
15	16QAM	1	0	22.87	22.93	22.79	24.10



15	16QAM	1	37	22.70	22.69	22.68	24.10
15	16QAM	1	74	22.60	22.79	22.71	24.10
15	16QAM	36	0	21.65	21.84	21.66	23.10
15	16QAM	36	20	21.43	21.59	21.42	23.10
15	16QAM	36	39	21.36	21.63	21.43	23.10
15	16QAM	75	0	21.50	21.52	21.55	23.10
15	64QAM	1	0	21.61	21.81	21.68	23.10
15	64QAM	1	37	21.70	21.85	21.71	23.10
15	64QAM	1	74	21.49	21.68	21.51	23.10
15	64QAM	36	0	20.73	20.80	20.73	22.10
15	64QAM	36	20	20.50	20.63	20.50	22.10
15	64QAM	36	39	20.73	20.75	20.62	22.10
15	64QAM	75	0	20.69	20.85	20.81	22.10
15	256QAM	1	0	18.28	18.41	18.28	20.10
15	256QAM	1	37	18.10	18.35	18.19	20.10
15	256QAM	1	74	18.19	18.31	18.18	20.10
15	256QAM	36	0	18.19	18.16	18.11	20.10
15	256QAM	36	20	18.12	18.17	18.11	20.10
15	256QAM	36	39	18.16	18.32	18.22	20.10
15	256QAM	75	0	18.31	18.38	18.17	20.10
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.74	23.89	23.80	25.10
10	QPSK	1	25	23.58	23.68	23.57	25.10
10	QPSK	1	49	23.67	23.76	23.67	25.10
10	QPSK	25	0	22.79	22.91	22.76	24.10
10	QPSK	25	12	22.53	22.77	22.73	24.10
10	QPSK	25	25	22.73	22.80	22.71	24.10
10	QPSK	50	0	22.69	22.89	22.85	24.10
10	16QAM	1	0	22.88	22.95	22.82	24.10
10	16QAM	1	25	22.62	22.81	22.70	24.10
10	16QAM	1	49	22.60	22.84	22.72	24.10
10	16QAM	25	0	21.63	21.82	21.61	23.10
10	16QAM	25	12	21.42	21.66	21.50	23.10
10	16QAM	25	25	21.44	21.60	21.39	23.10
10	16QAM	50	0	21.46	21.63	21.58	23.10
10	64QAM	1	0	21.62	21.89	21.79	23.10
10	64QAM	1	25	21.66	21.85	21.68	23.10
10	64QAM	1	49	21.47	21.76	21.52	23.10
10	64QAM	25	0	20.62	20.91	20.72	22.10
10	64QAM	25	12	20.61	20.67	20.55	22.10
10	64QAM	25	25	20.76	20.80	20.57	22.10
10	64QAM	50	0	20.74	20.88	20.78	22.10
10	256QAM	1	0	18.33	18.37	18.23	20.10
10	256QAM	1	25	18.11	18.33	18.20	20.10
10	256QAM	1	49	18.20	18.22	18.30	20.10
10	256QAM	25	0	18.18	18.22	18.10	20.10
10	256QAM	25	12	18.11	18.15	18.10	20.10
10	256QAM	25	25	18.16	18.42	18.30	20.10
10	256QAM	50	0	18.33	18.34	18.17	20.10
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.74	23.88	23.76	25.10
5	QPSK	1	12	23.51	23.77	23.67	25.10
5	QPSK	1	24	23.70	23.71	23.73	25.10
5	QPSK	12	0	22.75	22.86	22.68	24.10
5	QPSK	12	7	22.57	22.72	22.76	24.10
5	QPSK	12	13	22.68	22.83	22.63	24.10
5	QPSK	25	0	22.77	22.84	22.76	24.10
5	16QAM	1	0	22.86	22.94	22.78	24.10
5	16QAM	1	12	22.62	22.74	22.73	24.10
5	16QAM	1	24	22.56	22.77	22.67	24.10
5	16QAM	12	0	21.62	21.71	21.56	23.10
5	16QAM	12	7	21.46	21.64	21.41	23.10
5	16QAM	12	13	21.50	21.54	21.51	23.10
5	16QAM	25	0	21.46	21.60	21.54	23.10
5	64QAM	1	0	21.71	21.94	21.69	23.10
5	64QAM	1	12	21.67	21.89	21.70	23.10
5	64QAM	1	24	21.54	21.73	21.58	23.10
5	64QAM	12	0	20.68	20.90	20.72	22.10
5	64QAM	12	7	20.51	20.62	20.50	22.10
5	64QAM	12	13	20.73	20.81	20.66	22.10
5	64QAM	25	0	20.71	20.76	20.81	22.10
5	256QAM	1	0	18.20	18.34	18.22	20.10
5	256QAM	1	12	18.14	18.32	18.19	20.10
5	256QAM	1	24	18.17	18.30	18.29	20.10
5	256QAM	12	0	18.21	18.19	18.14	20.10
5	256QAM	12	7	18.11	18.22	18.10	20.10



5	256QAM	12	13	18.12	18.42	18.27	20.10
5	256QAM	25	0	18.23	18.35	18.23	20.10
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.71	23.87	23.78	25.10
3	QPSK	1	8	23.54	23.72	23.60	25.10
3	QPSK	1	14	23.63	23.80	23.72	25.10
3	QPSK	8	0	22.73	22.86	22.74	24.10
3	QPSK	8	4	22.52	22.81	22.77	24.10
3	QPSK	8	7	22.68	22.76	22.61	24.10
3	QPSK	15	0	22.76	22.83	22.86	24.10
3	16QAM	1	0	22.83	22.91	22.81	24.10
3	16QAM	1	8	22.62	22.71	22.74	24.10
3	16QAM	1	14	22.59	22.77	22.68	24.10
3	16QAM	8	0	21.71	21.74	21.62	23.10
3	16QAM	8	4	21.43	21.61	21.45	23.10
3	16QAM	8	7	21.46	21.58	21.40	23.10
3	16QAM	15	0	21.41	21.54	21.50	23.10
3	64QAM	1	0	21.72	21.84	21.73	23.10
3	64QAM	1	8	21.74	21.91	21.73	23.10
3	64QAM	1	14	21.45	21.65	21.56	23.10
3	64QAM	8	0	20.71	20.83	20.72	22.10
3	64QAM	8	4	20.50	20.71	20.61	22.10
3	64QAM	8	7	20.75	20.70	20.68	22.10
3	64QAM	15	0	20.77	20.77	20.75	22.10
3	256QAM	1	0	18.31	18.33	18.25	20.10
3	256QAM	1	8	18.12	18.28	18.20	20.10
3	256QAM	1	14	18.15	18.34	18.20	20.10
3	256QAM	8	0	18.16	18.30	18.14	20.10
3	256QAM	8	4	18.12	18.12	18.11	20.10
3	256QAM	8	7	18.12	18.31	18.21	20.10
3	256QAM	15	0	18.34	18.35	18.15	20.10
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.77	23.89	23.81	25.10
1.4	QPSK	1	3	23.49	23.64	23.53	25.10
1.4	QPSK	1	5	23.69	23.84	23.71	25.10
1.4	QPSK	3	0	23.74	23.85	23.73	25.10
1.4	QPSK	3	1	23.54	23.80	23.70	25.10
1.4	QPSK	3	3	23.73	23.82	23.70	25.10
1.4	QPSK	6	0	22.76	22.84	22.73	24.10
1.4	16QAM	1	0	22.88	22.87	22.91	24.10
1.4	16QAM	1	3	22.59	22.68	22.65	24.10
1.4	16QAM	1	5	22.56	22.84	22.71	24.10
1.4	16QAM	3	0	22.66	22.77	22.63	24.10
1.4	16QAM	3	1	22.47	22.61	22.42	24.10
1.4	16QAM	3	3	22.49	22.58	22.43	24.10
1.4	16QAM	6	0	21.46	21.62	21.52	23.10
1.4	64QAM	1	0	21.66	21.83	21.69	23.10
1.4	64QAM	1	3	21.62	21.87	21.76	23.10
1.4	64QAM	1	5	21.45	21.74	21.56	23.10
1.4	64QAM	3	0	21.73	21.92	21.81	23.10
1.4	64QAM	3	1	21.50	21.72	21.49	23.10
1.4	64QAM	3	3	21.66	21.71	21.57	23.10
1.4	64QAM	6	0	20.75	20.83	20.82	22.10
1.4	256QAM	1	0	18.25	18.34	18.22	20.10
1.4	256QAM	1	3	18.13	18.29	18.23	20.10
1.4	256QAM	1	5	18.10	18.22	18.32	20.10
1.4	256QAM	3	0	18.18	18.18	18.16	20.10
1.4	256QAM	3	1	18.11	18.15	18.10	20.10
1.4	256QAM	3	3	18.22	18.39	18.20	20.10
1.4	256QAM	6	0	18.33	18.29	18.25	20.10

【LTE Band 4_Ant 1_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.83	17.97	17.89	19.40
20	QPSK	1	49	17.74	17.75	17.78	19.40
20	QPSK	1	99	17.74	17.89	17.76	19.40
20	QPSK	50	0	17.73	17.84	17.81	19.40
20	QPSK	50	24	17.65	17.71	17.74	19.40
20	QPSK	50	50	17.65	17.73	17.62	19.40
20	QPSK	100	0	17.47	17.77	17.57	19.40
20	16QAM	1	0	17.69	17.71	17.72	19.40
20	16QAM	1	49	17.71	17.63	17.76	19.40
20	16QAM	1	99	17.67	17.57	17.73	19.40
20	16QAM	50	0	17.77	17.64	17.71	19.40
20	16QAM	50	24	17.80	17.65	17.79	19.40
20	16QAM	50	50	17.80	17.65	17.79	19.40
20	16QAM	100	0	17.69	17.89	17.81	19.40
20	64QAM	1	0	17.77	17.76	17.83	19.40
20	64QAM	1	49	17.76	17.78	17.76	19.40
20	64QAM	1	99	17.79	17.87	17.79	19.40
20	64QAM	50	0	17.71	17.73	17.70	19.40
20	64QAM	50	24	17.70	17.73	17.64	19.40
20	64QAM	50	50	17.74	17.80	17.84	19.40
20	64QAM	100	0	17.79	17.73	17.82	19.40
20	256QAM	1	0	17.65	17.93	17.77	19.40
20	256QAM	1	49	17.58	17.84	17.77	19.40
20	256QAM	1	99	17.82	17.80	17.77	19.40
20	256QAM	50	0	17.82	17.90	17.70	19.40
20	256QAM	50	24	17.66	17.78	17.80	19.40
20	256QAM	50	50	17.66	17.75	17.86	19.40
20	256QAM	100	0	17.69	17.73	17.83	19.40
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.70	17.95	17.84	19.40
15	QPSK	1	37	17.70	17.64	17.73	19.40
15	QPSK	1	74	17.63	17.77	17.63	19.40
15	QPSK	36	0	17.61	17.74	17.77	19.40
15	QPSK	36	20	17.56	17.58	17.69	19.40
15	QPSK	36	39	17.64	17.58	17.54	19.40
15	QPSK	75	0	17.41	17.65	17.54	19.40
15	16QAM	1	0	17.67	17.65	17.64	19.40
15	16QAM	1	37	17.58	17.59	17.61	19.40
15	16QAM	1	74	17.64	17.53	17.62	19.40
15	16QAM	36	0	17.68	17.55	17.59	19.40
15	16QAM	36	20	17.78	17.64	17.75	19.40
15	16QAM	36	39	17.70	17.63	17.69	19.40
15	16QAM	75	0	17.63	17.86	17.79	19.40
15	64QAM	1	0	17.74	17.63	17.78	19.40
15	64QAM	1	37	17.73	17.74	17.69	19.40
15	64QAM	1	74	17.74	17.78	17.74	19.40
15	64QAM	36	0	17.61	17.71	17.56	19.40
15	64QAM	36	20	17.66	17.68	17.62	19.40
15	64QAM	36	39	17.63	17.76	17.82	19.40
15	64QAM	75	0	17.76	17.68	17.72	19.40
15	256QAM	1	0	17.51	17.85	17.74	19.40
15	256QAM	1	37	17.55	17.77	17.75	19.40
15	256QAM	1	74	17.78	17.72	17.62	19.40
15	256QAM	36	0	17.69	17.78	17.61	19.40
15	256QAM	36	20	17.55	17.76	17.66	19.40
15	256QAM	36	39	17.56	17.72	17.74	19.40
15	256QAM	75	0	17.62	17.60	17.78	19.40
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.70	17.93	17.83	19.40
10	QPSK	1	25	17.68	17.67	17.73	19.40
10	QPSK	1	49	17.72	17.80	17.63	19.40
10	QPSK	25	0	17.58	17.73	17.69	19.40
10	QPSK	25	12	17.60	17.60	17.73	19.40
10	QPSK	25	25	17.59	17.67	17.58	19.40
10	QPSK	50	0	17.40	17.64	17.46	19.40
10	16QAM	1	0	17.55	17.66	17.69	19.40
10	16QAM	1	25	17.66	17.49	17.64	19.40
10	16QAM	1	49	17.58	17.54	17.72	19.40
10	16QAM	25	0	17.63	17.55	17.58	19.40



10	16QAM	25	12	17.76	17.62	17.72	19.40
10	16QAM	25	25	17.66	17.60	17.69	19.40
10	16QAM	50	0	17.62	17.78	17.79	19.40
10	64QAM	1	0	17.67	17.61	17.73	19.40
10	64QAM	1	25	17.70	17.74	17.71	19.40
10	64QAM	1	49	17.64	17.76	17.70	19.40
10	64QAM	25	0	17.58	17.69	17.56	19.40
10	64QAM	25	12	17.59	17.67	17.49	19.40
10	64QAM	25	25	17.62	17.79	17.70	19.40
10	64QAM	50	0	17.76	17.67	17.80	19.40
10	256QAM	1	0	17.53	17.80	17.69	19.40
10	256QAM	1	25	17.57	17.75	17.71	19.40
10	256QAM	1	49	17.69	17.79	17.74	19.40
10	256QAM	25	0	17.67	17.80	17.64	19.40
10	256QAM	25	12	17.63	17.76	17.73	19.40
10	256QAM	25	25	17.57	17.63	17.82	19.40
10	256QAM	50	0	17.59	17.62	17.73	19.40
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	17.69	17.89	17.87	19.40
5	QPSK	1	12	17.62	17.72	17.68	19.40
5	QPSK	1	24	17.71	17.76	17.66	19.40
5	QPSK	12	0	17.69	17.71	17.69	19.40
5	QPSK	12	7	17.50	17.56	17.73	19.40
5	QPSK	12	13	17.60	17.70	17.60	19.40
5	QPSK	25	0	17.45	17.76	17.46	19.40
5	16QAM	1	0	17.62	17.62	17.61	19.40
5	16QAM	1	12	17.56	17.53	17.72	19.40
5	16QAM	1	24	17.64	17.52	17.62	19.40
5	16QAM	12	0	17.62	17.50	17.62	19.40
5	16QAM	12	7	17.68	17.55	17.69	19.40
5	16QAM	12	13	17.70	17.56	17.71	19.40
5	16QAM	25	0	17.60	17.83	17.79	19.40
5	64QAM	1	0	17.70	17.73	17.80	19.40
5	64QAM	1	12	17.62	17.73	17.69	19.40
5	64QAM	1	24	17.67	17.76	17.75	19.40
5	64QAM	12	0	17.58	17.62	17.63	19.40
5	64QAM	12	7	17.56	17.61	17.61	19.40
5	64QAM	12	13	17.70	17.77	17.81	19.40
5	64QAM	25	0	17.68	17.60	17.79	19.40
5	256QAM	1	0	17.53	17.91	17.67	19.40
5	256QAM	1	12	17.53	17.72	17.63	19.40
5	256QAM	1	24	17.79	17.71	17.74	19.40
5	256QAM	12	0	17.73	17.76	17.63	19.40
5	256QAM	12	7	17.65	17.65	17.66	19.40
5	256QAM	12	13	17.58	17.66	17.73	19.40
5	256QAM	25	0	17.55	17.67	17.69	19.40
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.74	17.87	17.85	19.40
3	QPSK	1	8	17.62	17.63	17.68	19.40
3	QPSK	1	14	17.71	17.83	17.67	19.40
3	QPSK	8	0	17.60	17.69	17.69	19.40
3	QPSK	8	4	17.52	17.69	17.59	19.40
3	QPSK	8	7	17.54	17.62	17.55	19.40
3	QPSK	15	0	17.40	17.75	17.45	19.40
3	16QAM	1	0	17.61	17.66	17.70	19.40
3	16QAM	1	8	17.66	17.48	17.71	19.40
3	16QAM	1	14	17.63	17.45	17.66	19.40
3	16QAM	8	0	17.74	17.53	17.62	19.40
3	16QAM	8	4	17.67	17.53	17.67	19.40
3	16QAM	8	7	17.66	17.60	17.77	19.40
3	16QAM	15	0	17.63	17.84	17.70	19.40
3	64QAM	1	0	17.62	17.69	17.79	19.40
3	64QAM	1	8	17.65	17.74	17.64	19.40
3	64QAM	1	14	17.69	17.76	17.73	19.40
3	64QAM	8	0	17.66	17.68	17.64	19.40
3	64QAM	8	4	17.62	17.64	17.55	19.40
3	64QAM	8	7	17.70	17.68	17.75	19.40
3	64QAM	15	0	17.72	17.62	17.73	19.40
3	256QAM	1	0	17.53	17.85	17.69	19.40
3	256QAM	1	8	17.52	17.82	17.73	19.40
3	256QAM	1	14	17.68	17.67	17.62	19.40
3	256QAM	8	0	17.77	17.85	17.56	19.40
3	256QAM	8	4	17.57	17.68	17.77	19.40
3	256QAM	8	7	17.60	17.67	17.82	19.40
3	256QAM	15	0	17.59	17.69	17.73	19.40
Channel				19957	20175	20393	Tune-up limit

Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	17.72	17.88	17.77	19.40
1.4	QPSK	1	3	17.72	17.65	17.74	19.40
1.4	QPSK	1	5	17.70	17.83	17.71	19.40
1.4	QPSK	3	0	17.63	17.81	17.68	19.40
1.4	QPSK	3	1	17.63	17.64	17.66	19.40
1.4	QPSK	3	3	17.55	17.63	17.59	19.40
1.4	QPSK	6	0	17.44	17.66	17.52	19.40
1.4	16QAM	1	0	17.56	17.58	17.68	19.40
1.4	16QAM	1	3	17.68	17.52	17.72	19.40
1.4	16QAM	1	5	17.52	17.52	17.64	19.40
1.4	16QAM	3	0	17.66	17.53	17.69	19.40
1.4	16QAM	3	1	17.78	17.60	17.71	19.40
1.4	16QAM	3	3	17.78	17.52	17.75	19.40
1.4	16QAM	6	0	17.57	17.74	17.71	19.40
1.4	64QAM	1	0	17.63	17.70	17.70	19.40
1.4	64QAM	1	3	17.71	17.63	17.70	19.40
1.4	64QAM	1	5	17.78	17.78	17.65	19.40
1.4	64QAM	3	0	17.69	17.69	17.67	19.40
1.4	64QAM	3	1	17.61	17.59	17.51	19.40
1.4	64QAM	3	3	17.65	17.75	17.72	19.40
1.4	64QAM	6	0	17.73	17.61	17.76	19.40
1.4	256QAM	1	0	17.61	17.86	17.69	19.40
1.4	256QAM	1	3	17.46	17.82	17.63	19.40
1.4	256QAM	1	5	17.71	17.74	17.72	19.40
1.4	256QAM	3	0	17.75	17.84	17.64	19.40
1.4	256QAM	3	1	17.58	17.69	17.70	19.40
1.4	256QAM	3	3	17.58	17.72	17.82	19.40
1.4	256QAM	6	0	17.65	17.69	17.80	19.40

【LTE Band 4_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.11	24.16	24.12	25.10
20	QPSK	1	49	23.67	23.81	23.76	25.10
20	QPSK	1	99	23.76	23.93	23.91	25.10
20	QPSK	50	0	22.94	23.08	22.81	24.10
20	QPSK	50	24	22.74	22.86	22.90	24.10
20	QPSK	50	50	22.76	23.07	22.84	24.10
20	QPSK	100	0	22.99	22.98	23.06	24.10
20	16QAM	1	0	23.13	23.22	22.94	24.10
20	16QAM	1	49	22.88	22.98	22.88	24.10
20	16QAM	1	99	22.86	22.95	22.93	24.10
20	16QAM	50	0	21.82	21.88	21.92	23.10
20	16QAM	50	24	21.68	21.88	21.66	23.10
20	16QAM	50	50	21.68	21.78	21.62	23.10
20	16QAM	100	0	21.69	21.67	21.79	23.10
20	64QAM	1	0	21.91	22.04	21.81	23.10
20	64QAM	1	49	21.86	22.05	22.01	23.10
20	64QAM	1	99	21.64	21.88	21.82	23.10
20	64QAM	50	0	20.83	21.01	20.96	22.10
20	64QAM	50	24	20.70	20.88	20.71	22.10
20	64QAM	50	50	20.90	20.97	20.76	22.10
20	64QAM	100	0	20.90	20.91	21.02	22.10
20	256QAM	1	0	18.88	19.05	19.00	20.10
20	256QAM	1	49	18.96	19.04	18.96	20.10
20	256QAM	1	99	18.87	19.01	18.94	20.10
20	256QAM	50	0	18.92	19.03	18.98	20.10
20	256QAM	50	24	19.01	19.06	18.95	20.10
20	256QAM	50	50	18.75	18.94	18.78	20.10
20	256QAM	100	0	18.88	19.04	18.87	20.10
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.05	24.13	23.99	25.10
15	QPSK	1	37	23.66	23.77	23.75	25.10
15	QPSK	1	74	23.63	23.81	23.81	25.10
15	QPSK	36	0	22.93	22.94	22.68	24.10
15	QPSK	36	20	22.63	22.72	22.79	24.10
15	QPSK	36	39	22.71	23.01	22.72	24.10
15	QPSK	75	0	22.95	22.92	22.96	24.10
15	16QAM	1	0	23.05	23.13	22.87	24.10



15	16QAM	1	37	22.79	22.90	22.80	24.10
15	16QAM	1	74	22.83	22.81	22.85	24.10
15	16QAM	36	0	21.68	21.75	21.80	23.10
15	16QAM	36	20	21.57	21.80	21.52	23.10
15	16QAM	36	39	21.66	21.65	21.48	23.10
15	16QAM	75	0	21.62	21.54	21.70	23.10
15	64QAM	1	0	21.88	21.90	21.75	23.10
15	64QAM	1	37	21.82	21.94	21.92	23.10
15	64QAM	1	74	21.61	21.76	21.73	23.10
15	64QAM	36	0	20.78	20.93	20.82	22.10
15	64QAM	36	20	20.61	20.78	20.58	22.10
15	64QAM	36	39	20.82	20.94	20.71	22.10
15	64QAM	75	0	20.81	20.79	20.92	22.10
15	256QAM	1	0	18.84	18.97	18.91	20.10
15	256QAM	1	37	18.89	18.92	18.84	20.10
15	256QAM	1	74	18.80	18.88	18.81	20.10
15	256QAM	36	0	18.87	18.94	18.87	20.10
15	256QAM	36	20	18.90	19.02	18.91	20.10
15	256QAM	36	39	18.70	18.93	18.64	20.10
15	256QAM	75	0	18.83	18.97	18.79	20.10
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	24.07	24.08	24.09	25.10
10	QPSK	1	25	23.54	23.71	23.68	25.10
10	QPSK	1	49	23.73	23.86	23.86	25.10
10	QPSK	25	0	22.86	22.97	22.72	24.10
10	QPSK	25	12	22.62	22.73	22.77	24.10
10	QPSK	25	25	22.65	23.00	22.73	24.10
10	QPSK	50	0	22.87	22.91	23.03	24.10
10	16QAM	1	0	23.09	23.13	22.81	24.10
10	16QAM	1	25	22.76	22.89	22.74	24.10
10	16QAM	1	49	22.74	22.87	22.80	24.10
10	16QAM	25	0	21.76	21.76	21.81	23.10
10	16QAM	25	12	21.62	21.85	21.61	23.10
10	16QAM	25	25	21.58	21.76	21.53	23.10
10	16QAM	50	0	21.55	21.58	21.73	23.10
10	64QAM	1	0	21.90	22.00	21.67	23.10
10	64QAM	1	25	21.83	21.97	21.88	23.10
10	64QAM	1	49	21.51	21.78	21.72	23.10
10	64QAM	25	0	20.81	20.93	20.83	22.10
10	64QAM	25	12	20.60	20.84	20.58	22.10
10	64QAM	25	25	20.84	20.88	20.70	22.10
10	64QAM	50	0	20.81	20.79	20.96	22.10
10	256QAM	1	0	18.74	19.01	18.93	20.10
10	256QAM	1	25	18.81	18.90	18.83	20.10
10	256QAM	1	49	18.75	18.90	18.82	20.10
10	256QAM	25	0	18.81	18.94	18.92	20.10
10	256QAM	25	12	18.93	19.00	18.82	20.10
10	256QAM	25	25	18.60	18.87	18.65	20.10
10	256QAM	50	0	18.86	18.93	18.78	20.10
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.96	24.05	24.04	25.10
5	QPSK	1	12	23.59	23.72	23.67	25.10
5	QPSK	1	24	23.69	23.87	23.83	25.10
5	QPSK	12	0	22.80	22.94	22.72	24.10
5	QPSK	12	7	22.70	22.80	22.87	24.10
5	QPSK	12	13	22.63	23.04	22.73	24.10
5	QPSK	25	0	22.93	22.96	23.05	24.10
5	16QAM	1	0	23.04	23.18	22.87	24.10
5	16QAM	1	12	22.81	22.95	22.75	24.10
5	16QAM	1	24	22.74	22.85	22.90	24.10
5	16QAM	12	0	21.75	21.76	21.86	23.10
5	16QAM	12	7	21.57	21.87	21.63	23.10
5	16QAM	12	13	21.54	21.65	21.57	23.10
5	16QAM	25	0	21.61	21.63	21.68	23.10
5	64QAM	1	0	21.86	22.00	21.69	23.10
5	64QAM	1	12	21.72	22.00	21.87	23.10
5	64QAM	1	24	21.52	21.86	21.72	23.10
5	64QAM	12	0	20.79	20.92	20.92	22.10
5	64QAM	12	7	20.64	20.77	20.63	22.10
5	64QAM	12	13	20.80	20.88	20.68	22.10
5	64QAM	25	0	20.76	20.82	20.90	22.10
5	256QAM	1	0	18.81	18.98	18.92	20.10
5	256QAM	1	12	18.89	19.03	18.92	20.10
5	256QAM	1	24	18.86	18.99	18.88	20.10
5	256QAM	12	0	18.80	18.94	18.94	20.10
5	256QAM	12	7	18.90	18.93	18.90	20.10



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5	256QAM	12	13	18.69	18.85	18.66	20.10
5	256QAM	25	0	18.78	18.95	18.75	20.10
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.09	24.09	24.09	25.10
3	QPSK	1	8	23.65	23.79	23.62	25.10
3	QPSK	1	14	23.73	23.87	23.78	25.10
3	QPSK	8	0	22.92	22.96	22.68	24.10
3	QPSK	8	4	22.65	22.83	22.87	24.10
3	QPSK	8	7	22.75	23.06	22.72	24.10
3	QPSK	15	0	22.92	22.93	22.92	24.10
3	16QAM	1	0	23.08	23.11	22.84	24.10
3	16QAM	1	8	22.83	22.86	22.79	24.10
3	16QAM	1	14	22.78	22.82	22.85	24.10
3	16QAM	8	0	21.72	21.85	21.91	23.10
3	16QAM	8	4	21.59	21.76	21.55	23.10
3	16QAM	8	7	21.61	21.67	21.61	23.10
3	16QAM	15	0	21.58	21.66	21.71	23.10
3	64QAM	1	0	21.84	21.91	21.71	23.10
3	64QAM	1	8	21.75	21.98	21.99	23.10
3	64QAM	1	14	21.49	21.85	21.79	23.10
3	64QAM	8	0	20.74	20.94	20.89	22.10
3	64QAM	8	4	20.62	20.77	20.66	22.10
3	64QAM	8	7	20.76	20.91	20.73	22.10
3	64QAM	15	0	20.81	20.86	20.96	22.10
3	256QAM	1	0	18.80	18.97	18.99	20.10
3	256QAM	1	8	18.82	19.01	18.91	20.10
3	256QAM	1	14	18.78	18.94	18.91	20.10
3	256QAM	8	0	18.86	18.94	18.92	20.10
3	256QAM	8	4	18.94	18.94	18.89	20.10
3	256QAM	8	7	18.64	18.82	18.64	20.10
3	256QAM	15	0	18.84	18.90	18.79	20.10
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.08	24.14	24.00	25.10
1.4	QPSK	1	3	23.53	23.76	23.68	25.10
1.4	QPSK	1	5	23.64	23.78	23.82	25.10
1.4	QPSK	3	0	23.82	24.05	23.69	25.10
1.4	QPSK	3	1	23.72	23.74	23.88	25.10
1.4	QPSK	3	3	23.61	24.02	23.80	25.10
1.4	QPSK	6	0	22.87	22.94	22.95	24.10
1.4	16QAM	1	0	23.09	23.15	22.81	24.10
1.4	16QAM	1	3	22.83	22.86	22.78	24.10
1.4	16QAM	1	5	22.80	22.89	22.81	24.10
1.4	16QAM	3	0	22.75	22.84	22.87	24.10
1.4	16QAM	3	1	22.65	22.85	22.59	24.10
1.4	16QAM	3	3	22.53	22.74	22.61	24.10
1.4	16QAM	6	0	21.55	21.59	21.70	23.10
1.4	64QAM	1	0	21.89	22.03	21.68	23.10
1.4	64QAM	1	3	21.71	21.95	21.89	23.10
1.4	64QAM	1	5	21.50	21.82	21.68	23.10
1.4	64QAM	3	0	21.71	21.99	21.91	23.10
1.4	64QAM	3	1	21.61	21.79	21.61	23.10
1.4	64QAM	3	3	21.87	21.86	21.72	23.10
1.4	64QAM	6	0	20.77	20.85	20.88	22.10
1.4	256QAM	1	0	18.82	19.01	18.96	20.10
1.4	256QAM	1	3	18.94	19.02	18.88	20.10
1.4	256QAM	1	5	18.76	18.91	18.87	20.10
1.4	256QAM	3	0	18.91	18.92	18.88	20.10
1.4	256QAM	3	1	18.95	18.99	18.88	20.10
1.4	256QAM	3	3	18.68	18.92	18.65	20.10
1.4	256QAM	6	0	18.80	18.96	18.79	20.10

【LTE Band 4_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.11	24.16	24.12	25.10
20	QPSK	1	49	23.67	23.81	23.76	25.10
20	QPSK	1	99	23.76	23.93	23.91	25.10
20	QPSK	50	0	22.94	23.08	22.81	24.10
20	QPSK	50	24	22.74	22.86	22.90	24.10
20	QPSK	50	50	22.76	23.07	22.84	24.10
20	QPSK	100	0	22.99	22.98	23.06	24.10
20	16QAM	1	0	23.13	23.22	22.94	24.10
20	16QAM	1	49	22.88	22.98	22.88	24.10
20	16QAM	1	99	22.86	22.95	22.93	24.10
20	16QAM	50	0	21.82	21.88	21.92	23.10
20	16QAM	50	24	21.68	21.88	21.66	23.10
20	16QAM	50	50	21.68	21.78	21.62	23.10
20	16QAM	100	0	21.69	21.67	21.79	23.10
20	64QAM	1	0	21.91	22.04	21.81	23.10
20	64QAM	1	49	21.86	22.05	22.01	23.10
20	64QAM	1	99	21.64	21.88	21.82	23.10
20	64QAM	50	0	20.83	21.01	20.96	22.10
20	64QAM	50	24	20.70	20.88	20.71	22.10
20	64QAM	50	50	20.90	20.97	20.76	22.10
20	64QAM	100	0	20.90	20.91	21.02	22.10
20	256QAM	1	0	18.88	19.05	19.00	20.10
20	256QAM	1	49	18.96	19.04	18.96	20.10
20	256QAM	1	99	18.87	19.01	18.94	20.10
20	256QAM	50	0	18.92	19.03	18.98	20.10
20	256QAM	50	24	19.01	19.06	18.95	20.10
20	256QAM	50	50	18.75	18.94	18.78	20.10
20	256QAM	100	0	18.88	19.04	18.87	20.10
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.05	24.13	23.99	25.10
15	QPSK	1	37	23.66	23.77	23.75	25.10
15	QPSK	1	74	23.63	23.81	23.81	25.10
15	QPSK	36	0	22.93	22.94	22.68	24.10
15	QPSK	36	20	22.63	22.72	22.79	24.10
15	QPSK	36	39	22.71	23.01	22.72	24.10
15	QPSK	75	0	22.95	22.92	22.96	24.10
15	16QAM	1	0	23.05	23.13	22.87	24.10
15	16QAM	1	37	22.79	22.90	22.80	24.10
15	16QAM	1	74	22.83	22.81	22.85	24.10
15	16QAM	36	0	21.68	21.75	21.80	23.10
15	16QAM	36	20	21.57	21.80	21.52	23.10
15	16QAM	36	39	21.66	21.65	21.48	23.10
15	16QAM	75	0	21.62	21.54	21.70	23.10
15	64QAM	1	0	21.88	21.90	21.75	23.10
15	64QAM	1	37	21.82	21.94	21.92	23.10
15	64QAM	1	74	21.61	21.76	21.73	23.10
15	64QAM	36	0	20.78	20.93	20.82	22.10
15	64QAM	36	20	20.61	20.78	20.58	22.10
15	64QAM	36	39	20.82	20.94	20.71	22.10
15	64QAM	75	0	20.81	20.79	20.92	22.10
15	256QAM	1	0	18.84	18.97	18.91	20.10
15	256QAM	1	37	18.89	18.92	18.84	20.10
15	256QAM	1	74	18.80	18.88	18.81	20.10
15	256QAM	36	0	18.87	18.94	18.87	20.10
15	256QAM	36	20	18.90	19.02	18.91	20.10
15	256QAM	36	39	18.70	18.93	18.64	20.10
15	256QAM	75	0	18.83	18.97	18.79	20.10
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.07	24.08	24.09	25.10
10	QPSK	1	25	23.54	23.71	23.68	25.10
10	QPSK	1	49	23.73	23.86	23.86	25.10
10	QPSK	25	0	22.86	22.97	22.72	24.10
10	QPSK	25	12	22.62	22.73	22.77	24.10
10	QPSK	25	25	22.65	23.00	22.73	24.10
10	QPSK	50	0	22.87	22.91	23.03	24.10
10	16QAM	1	0	23.09	23.13	22.81	24.10
10	16QAM	1	25	22.76	22.89	22.74	24.10
10	16QAM	1	49	22.74	22.87	22.80	24.10
10	16QAM	25	0	21.76	21.76	21.81	23.10



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10	16QAM	25	12	21.62	21.85	21.61	23.10
10	16QAM	25	25	21.58	21.76	21.53	23.10
10	16QAM	50	0	21.55	21.58	21.73	23.10
10	64QAM	1	0	21.90	22.00	21.67	23.10
10	64QAM	1	25	21.83	21.97	21.88	23.10
10	64QAM	1	49	21.51	21.78	21.72	23.10
10	64QAM	25	0	20.81	20.93	20.83	22.10
10	64QAM	25	12	20.60	20.84	20.58	22.10
10	64QAM	25	25	20.84	20.88	20.70	22.10
10	64QAM	50	0	20.81	20.79	20.96	22.10
10	256QAM	1	0	18.74	19.01	18.93	20.10
10	256QAM	1	25	18.81	18.90	18.83	20.10
10	256QAM	1	49	18.75	18.90	18.82	20.10
10	256QAM	25	0	18.81	18.94	18.92	20.10
10	256QAM	25	12	18.93	19.00	18.82	20.10
10	256QAM	25	25	18.60	18.87	18.65	20.10
10	256QAM	50	0	18.86	18.93	18.78	20.10
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.96	24.05	24.04	25.10
5	QPSK	1	12	23.59	23.72	23.67	25.10
5	QPSK	1	24	23.69	23.87	23.83	25.10
5	QPSK	12	0	22.80	22.94	22.72	24.10
5	QPSK	12	7	22.70	22.80	22.87	24.10
5	QPSK	12	13	22.63	23.04	22.73	24.10
5	QPSK	25	0	22.93	22.96	23.05	24.10
5	16QAM	1	0	23.04	23.18	22.87	24.10
5	16QAM	1	12	22.81	22.95	22.75	24.10
5	16QAM	1	24	22.74	22.85	22.90	24.10
5	16QAM	12	0	21.75	21.76	21.86	23.10
5	16QAM	12	7	21.57	21.87	21.63	23.10
5	16QAM	12	13	21.54	21.65	21.57	23.10
5	16QAM	25	0	21.61	21.63	21.68	23.10
5	64QAM	1	0	21.86	22.00	21.69	23.10
5	64QAM	1	12	21.72	22.00	21.87	23.10
5	64QAM	1	24	21.52	21.86	21.72	23.10
5	64QAM	12	0	20.79	20.92	20.92	22.10
5	64QAM	12	7	20.64	20.77	20.63	22.10
5	64QAM	12	13	20.80	20.88	20.68	22.10
5	64QAM	25	0	20.76	20.82	20.90	22.10
5	256QAM	1	0	18.81	18.98	18.92	20.10
5	256QAM	1	12	18.89	19.03	18.92	20.10
5	256QAM	1	24	18.86	18.99	18.88	20.10
5	256QAM	12	0	18.80	18.94	18.94	20.10
5	256QAM	12	7	18.90	18.93	18.90	20.10
5	256QAM	12	13	18.69	18.85	18.66	20.10
5	256QAM	25	0	18.78	18.95	18.75	20.10
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.09	24.09	24.09	25.10
3	QPSK	1	8	23.65	23.79	23.62	25.10
3	QPSK	1	14	23.73	23.87	23.78	25.10
3	QPSK	8	0	22.92	22.96	22.68	24.10
3	QPSK	8	4	22.65	22.83	22.87	24.10
3	QPSK	8	7	22.75	23.06	22.72	24.10
3	QPSK	15	0	22.92	22.93	22.92	24.10
3	16QAM	1	0	23.08	23.11	22.84	24.10
3	16QAM	1	8	22.83	22.86	22.79	24.10
3	16QAM	1	14	22.78	22.82	22.85	24.10
3	16QAM	8	0	21.72	21.85	21.91	23.10
3	16QAM	8	4	21.59	21.76	21.55	23.10
3	16QAM	8	7	21.61	21.67	21.61	23.10
3	16QAM	15	0	21.58	21.66	21.71	23.10
3	64QAM	1	0	21.84	21.91	21.71	23.10
3	64QAM	1	8	21.75	21.98	21.99	23.10
3	64QAM	1	14	21.49	21.85	21.79	23.10
3	64QAM	8	0	20.74	20.94	20.89	22.10
3	64QAM	8	4	20.62	20.77	20.66	22.10
3	64QAM	8	7	20.76	20.91	20.73	22.10
3	64QAM	15	0	20.81	20.86	20.96	22.10
3	256QAM	1	0	18.80	18.97	18.99	20.10
3	256QAM	1	8	18.82	19.01	18.91	20.10
3	256QAM	1	14	18.78	18.94	18.91	20.10
3	256QAM	8	0	18.86	18.94	18.92	20.10
3	256QAM	8	4	18.94	18.94	18.89	20.10
3	256QAM	8	7	18.64	18.82	18.64	20.10
3	256QAM	15	0	18.84	18.90	18.79	20.10
Channel				19957	20175	20393	Tune-up limit

Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	24.08	24.14	24.00	25.10
1.4	QPSK	1	3	23.53	23.76	23.68	25.10
1.4	QPSK	1	5	23.64	23.78	23.82	25.10
1.4	QPSK	3	0	23.82	24.05	23.69	25.10
1.4	QPSK	3	1	23.72	23.74	23.88	25.10
1.4	QPSK	3	3	23.61	24.02	23.80	25.10
1.4	QPSK	6	0	22.87	22.94	22.95	24.10
1.4	16QAM	1	0	23.09	23.15	22.81	24.10
1.4	16QAM	1	3	22.83	22.86	22.78	24.10
1.4	16QAM	1	5	22.80	22.89	22.81	24.10
1.4	16QAM	3	0	22.75	22.84	22.87	24.10
1.4	16QAM	3	1	22.65	22.85	22.59	24.10
1.4	16QAM	3	3	22.53	22.74	22.61	24.10
1.4	16QAM	6	0	21.55	21.59	21.70	23.10
1.4	64QAM	1	0	21.89	22.03	21.68	23.10
1.4	64QAM	1	3	21.71	21.95	21.89	23.10
1.4	64QAM	1	5	21.50	21.82	21.68	23.10
1.4	64QAM	3	0	21.71	21.99	21.91	23.10
1.4	64QAM	3	1	21.61	21.79	21.61	23.10
1.4	64QAM	3	3	21.87	21.86	21.72	23.10
1.4	64QAM	6	0	20.77	20.85	20.88	22.10
1.4	256QAM	1	0	18.82	19.01	18.96	20.10
1.4	256QAM	1	3	18.94	19.02	18.88	20.10
1.4	256QAM	1	5	18.76	18.91	18.87	20.10
1.4	256QAM	3	0	18.91	18.92	18.88	20.10
1.4	256QAM	3	1	18.95	18.99	18.88	20.10
1.4	256QAM	3	3	18.68	18.92	18.65	20.10
1.4	256QAM	6	0	18.80	18.96	18.79	20.10

【LTE Band 4_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.62	16.70	16.56	17.70
20	QPSK	1	49	16.47	16.64	16.53	17.70
20	QPSK	1	99	16.48	16.59	16.55	17.70
20	QPSK	50	0	16.49	16.57	16.51	17.70
20	QPSK	50	24	16.44	16.45	16.50	17.70
20	QPSK	50	50	16.46	16.44	16.41	17.70
20	QPSK	100	0	16.27	16.40	16.20	17.70
20	16QAM	1	0	16.37	16.38	16.42	17.70
20	16QAM	1	49	16.41	16.38	16.42	17.70
20	16QAM	1	99	16.42	16.35	16.46	17.70
20	16QAM	50	0	16.55	16.43	16.42	17.70
20	16QAM	50	24	16.54	16.41	16.64	17.70
20	16QAM	50	50	16.46	16.54	16.61	17.70
20	16QAM	100	0	16.43	16.64	16.60	17.70
20	64QAM	1	0	16.51	16.43	16.55	17.70
20	64QAM	1	49	16.49	16.47	16.57	17.70
20	64QAM	1	99	16.49	16.68	16.45	17.70
20	64QAM	50	0	16.57	16.64	16.42	17.70
20	64QAM	50	24	16.43	16.58	16.50	17.70
20	64QAM	50	50	16.43	16.52	16.57	17.70
20	64QAM	100	0	16.53	16.55	16.49	17.70
20	256QAM	1	0	16.51	16.68	16.56	17.70
20	256QAM	1	49	16.48	16.70	16.42	17.70
20	256QAM	1	99	16.62	16.46	16.49	17.70
20	256QAM	50	0	16.57	16.53	16.54	17.70
20	256QAM	50	24	16.37	16.49	16.47	17.70
20	256QAM	50	50	16.55	16.51	16.52	17.70
20	256QAM	100	0	16.44	16.58	16.54	17.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.51	16.61	16.47	17.70
15	QPSK	1	37	16.40	16.62	16.48	17.70
15	QPSK	1	74	16.39	16.53	16.45	17.70
15	QPSK	36	0	16.46	16.55	16.41	17.70
15	QPSK	36	20	16.41	16.43	16.40	17.70
15	QPSK	36	39	16.39	16.41	16.33	17.70
15	QPSK	75	0	16.19	16.26	16.14	17.70
15	16QAM	1	0	16.27	16.31	16.35	17.70



15	16QAM	1	37	16.37	16.34	16.35	17.70
15	16QAM	1	74	16.36	16.22	16.34	17.70
15	16QAM	36	0	16.51	16.38	16.34	17.70
15	16QAM	36	20	16.44	16.33	16.62	17.70
15	16QAM	36	39	16.42	16.45	16.49	17.70
15	16QAM	75	0	16.30	16.55	16.57	17.70
15	64QAM	1	0	16.38	16.31	16.52	17.70
15	64QAM	1	37	16.37	16.44	16.49	17.70
15	64QAM	1	74	16.36	16.56	16.33	17.70
15	64QAM	36	0	16.52	16.54	16.32	17.70
15	64QAM	36	20	16.29	16.55	16.41	17.70
15	64QAM	36	39	16.31	16.46	16.55	17.70
15	64QAM	75	0	16.52	16.52	16.42	17.70
15	256QAM	1	0	16.50	16.61	16.53	17.70
15	256QAM	1	37	16.41	16.57	16.27	17.70
15	256QAM	1	74	16.56	16.42	16.34	17.70
15	256QAM	36	0	16.48	16.46	16.51	17.70
15	256QAM	36	20	16.34	16.39	16.34	17.70
15	256QAM	36	39	16.49	16.40	16.48	17.70
15	256QAM	75	0	16.34	16.47	16.51	17.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	16.60	16.60	16.47	17.70
10	QPSK	1	25	16.44	16.59	16.41	17.70
10	QPSK	1	49	16.39	16.49	16.49	17.70
10	QPSK	25	0	16.47	16.54	16.48	17.70
10	QPSK	25	12	16.37	16.34	16.41	17.70
10	QPSK	25	25	16.34	16.38	16.40	17.70
10	QPSK	50	0	16.15	16.38	16.17	17.70
10	16QAM	1	0	16.26	16.25	16.35	17.70
10	16QAM	1	25	16.36	16.34	16.34	17.70
10	16QAM	1	49	16.29	16.28	16.43	17.70
10	16QAM	25	0	16.48	16.36	16.36	17.70
10	16QAM	25	12	16.41	16.34	16.51	17.70
10	16QAM	25	25	16.35	16.42	16.50	17.70
10	16QAM	50	0	16.31	16.60	16.53	17.70
10	64QAM	1	0	16.40	16.29	16.48	17.70
10	64QAM	1	25	16.37	16.33	16.49	17.70
10	64QAM	1	49	16.39	16.57	16.35	17.70
10	64QAM	25	0	16.43	16.50	16.33	17.70
10	64QAM	25	12	16.40	16.56	16.46	17.70
10	64QAM	25	25	16.28	16.47	16.54	17.70
10	64QAM	50	0	16.47	16.52	16.39	17.70
10	256QAM	1	0	16.50	16.61	16.45	17.70
10	256QAM	1	25	16.38	16.58	16.34	17.70
10	256QAM	1	49	16.54	16.41	16.36	17.70
10	256QAM	25	0	16.54	16.45	16.47	17.70
10	256QAM	25	12	16.26	16.46	16.40	17.70
10	256QAM	25	25	16.48	16.48	16.47	17.70
10	256QAM	50	0	16.38	16.44	16.42	17.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	16.47	16.67	16.52	17.70
5	QPSK	1	12	16.41	16.60	16.46	17.70
5	QPSK	1	24	16.42	16.46	16.41	17.70
5	QPSK	12	0	16.45	16.50	16.49	17.70
5	QPSK	12	7	16.41	16.33	16.47	17.70
5	QPSK	12	13	16.36	16.40	16.39	17.70
5	QPSK	25	0	16.26	16.26	16.10	17.70
5	16QAM	1	0	16.23	16.35	16.39	17.70
5	16QAM	1	12	16.27	16.36	16.31	17.70
5	16QAM	1	24	16.36	16.30	16.43	17.70
5	16QAM	12	0	16.43	16.40	16.31	17.70
5	16QAM	12	7	16.51	16.40	16.57	17.70
5	16QAM	12	13	16.33	16.45	16.51	17.70
5	16QAM	25	0	16.38	16.60	16.56	17.70
5	64QAM	1	0	16.43	16.28	16.43	17.70
5	64QAM	1	12	16.45	16.35	16.51	17.70
5	64QAM	1	24	16.40	16.54	16.41	17.70
5	64QAM	12	0	16.43	16.59	16.30	17.70
5	64QAM	12	7	16.34	16.48	16.43	17.70
5	64QAM	12	13	16.38	16.37	16.45	17.70
5	64QAM	25	0	16.48	16.43	16.46	17.70
5	256QAM	1	0	16.37	16.66	16.49	17.70
5	256QAM	1	12	16.37	16.62	16.32	17.70
5	256QAM	1	24	16.53	16.39	16.41	17.70
5	256QAM	12	0	16.46	16.47	16.48	17.70
5	256QAM	12	7	16.25	16.45	16.40	17.70



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5	256QAM	12	13	16.54	16.46	16.49	17.70
5	256QAM	25	0	16.33	16.54	16.42	17.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.61	16.65	16.43	17.70
3	QPSK	1	8	16.34	16.56	16.39	17.70
3	QPSK	1	14	16.42	16.47	16.44	17.70
3	QPSK	8	0	16.47	16.44	16.38	17.70
3	QPSK	8	4	16.42	16.41	16.45	17.70
3	QPSK	8	7	16.45	16.31	16.26	17.70
3	QPSK	15	0	16.18	16.30	16.08	17.70
3	16QAM	1	0	16.26	16.33	16.37	17.70
3	16QAM	1	8	16.37	16.35	16.39	17.70
3	16QAM	1	14	16.34	16.25	16.42	17.70
3	16QAM	8	0	16.45	16.38	16.38	17.70
3	16QAM	8	4	16.44	16.35	16.62	17.70
3	16QAM	8	7	16.40	16.40	16.49	17.70
3	16QAM	15	0	16.36	16.61	16.55	17.70
3	64QAM	1	0	16.45	16.29	16.47	17.70
3	64QAM	1	8	16.35	16.34	16.51	17.70
3	64QAM	1	14	16.47	16.60	16.44	17.70
3	64QAM	8	0	16.52	16.61	16.34	17.70
3	64QAM	8	4	16.36	16.52	16.45	17.70
3	64QAM	8	7	16.35	16.39	16.52	17.70
3	64QAM	15	0	16.41	16.44	16.43	17.70
3	256QAM	1	0	16.38	16.66	16.49	17.70
3	256QAM	1	8	16.38	16.62	16.41	17.70
3	256QAM	1	14	16.58	16.42	16.41	17.70
3	256QAM	8	0	16.49	16.47	16.45	17.70
3	256QAM	8	4	16.31	16.40	16.33	17.70
3	256QAM	8	7	16.46	16.36	16.39	17.70
3	256QAM	15	0	16.32	16.52	16.40	17.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.49	16.63	16.43	17.70
1.4	QPSK	1	3	16.46	16.59	16.41	17.70
1.4	QPSK	1	5	16.45	16.54	16.48	17.70
1.4	QPSK	3	0	16.39	16.54	16.40	17.70
1.4	QPSK	3	1	16.33	16.33	16.45	17.70
1.4	QPSK	3	3	16.37	16.34	16.28	17.70
1.4	QPSK	6	0	16.15	16.25	16.07	17.70
1.4	16QAM	1	0	16.35	16.25	16.28	17.70
1.4	16QAM	1	3	16.39	16.31	16.28	17.70
1.4	16QAM	1	5	16.41	16.33	16.32	17.70
1.4	16QAM	3	0	16.46	16.40	16.30	17.70
1.4	16QAM	3	1	16.52	16.29	16.54	17.70
1.4	16QAM	3	3	16.39	16.40	16.58	17.70
1.4	16QAM	6	0	16.36	16.60	16.53	17.70
1.4	64QAM	1	0	16.45	16.32	16.53	17.70
1.4	64QAM	1	3	16.35	16.40	16.53	17.70
1.4	64QAM	1	5	16.35	16.66	16.39	17.70
1.4	64QAM	3	0	16.47	16.50	16.30	17.70
1.4	64QAM	3	1	16.41	16.47	16.35	17.70
1.4	64QAM	3	3	16.31	16.46	16.50	17.70
1.4	64QAM	6	0	16.45	16.53	16.46	17.70
1.4	256QAM	1	0	16.41	16.56	16.46	17.70
1.4	256QAM	1	3	16.33	16.57	16.37	17.70
1.4	256QAM	1	5	16.52	16.42	16.38	17.70
1.4	256QAM	3	0	16.45	16.46	16.48	17.70
1.4	256QAM	3	1	16.31	16.36	16.40	17.70
1.4	256QAM	3	3	16.47	16.47	16.39	17.70
1.4	256QAM	6	0	16.32	16.52	16.44	17.70

【LTE Band 5_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.16	24.05	24.05	25.10
10	QPSK	1	25	24.02	24.02	23.82	25.10
10	QPSK	1	49	23.95	23.95	23.86	25.10
10	QPSK	25	0	23.20	23.21	22.93	24.10
10	QPSK	25	12	23.25	23.19	22.92	24.10
10	QPSK	25	25	23.04	22.99	22.73	24.10
10	QPSK	50	0	23.15	23.12	22.65	24.10
10	16QAM	1	0	23.46	23.39	23.18	24.10
10	16QAM	1	25	23.23	23.23	23.08	24.10
10	16QAM	1	49	23.32	23.39	23.10	24.10
10	16QAM	25	0	22.29	22.18	22.06	23.10
10	16QAM	25	12	22.17	22.04	21.78	23.10
10	16QAM	25	25	22.00	21.99	21.88	23.10
10	16QAM	50	0	22.06	22.07	21.99	23.10
10	64QAM	1	0	22.29	22.16	22.08	23.10
10	64QAM	1	25	22.20	22.10	21.99	23.10
10	64QAM	1	49	22.20	22.18	22.04	23.10
10	64QAM	25	0	21.18	21.10	20.90	22.10
10	64QAM	25	12	21.01	21.03	20.74	22.10
10	64QAM	25	25	21.05	21.01	20.75	22.10
10	64QAM	50	0	21.00	20.96	20.81	22.10
10	256QAM	1	0	19.05	19.06	19.05	20.10
10	256QAM	1	25	19.02	19.07	18.98	20.10
10	256QAM	1	49	19.32	19.29	19.19	20.10
10	256QAM	25	0	19.25	19.29	19.20	20.10
10	256QAM	25	12	19.11	19.09	18.94	20.10
10	256QAM	25	25	19.19	19.23	19.06	20.10
10	256QAM	50	0	19.12	19.16	19.08	20.10
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.10	24.03	23.95	25.10
5	QPSK	1	12	23.99	23.88	23.75	25.10
5	QPSK	1	24	23.87	23.80	23.81	25.10
5	QPSK	12	0	23.07	23.20	22.81	24.10
5	QPSK	12	7	23.21	23.16	22.89	24.10
5	QPSK	12	13	23.02	22.85	22.69	24.10
5	QPSK	25	0	23.13	23.10	22.51	24.10
5	16QAM	1	0	23.44	23.34	23.09	24.10
5	16QAM	1	12	23.11	23.15	22.97	24.10
5	16QAM	1	24	23.21	23.31	23.04	24.10
5	16QAM	12	0	22.17	22.08	21.98	23.10
5	16QAM	12	7	22.11	22.02	21.69	23.10
5	16QAM	12	13	21.93	21.98	21.81	23.10
5	16QAM	25	0	21.98	22.05	21.86	23.10
5	64QAM	1	0	22.23	22.05	21.94	23.10
5	64QAM	1	12	22.16	21.95	21.91	23.10
5	64QAM	1	24	22.13	22.04	21.92	23.10
5	64QAM	12	0	21.15	21.03	20.75	22.10
5	64QAM	12	7	21.00	21.02	20.66	22.10
5	64QAM	12	13	20.95	21.00	20.65	22.10
5	64QAM	25	0	20.92	20.92	20.69	22.10
5	256QAM	1	0	19.04	18.95	18.91	20.10
5	256QAM	1	12	18.93	19.03	18.87	20.10
5	256QAM	1	24	19.23	19.21	19.08	20.10
5	256QAM	12	0	19.22	19.20	19.11	20.10
5	256QAM	12	7	19.04	19.06	18.80	20.10
5	256QAM	12	13	19.10	19.16	18.97	20.10
5	256QAM	25	0	18.97	19.05	18.99	20.10
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.11	23.93	23.91	25.10
3	QPSK	1	8	23.98	23.89	23.70	25.10
3	QPSK	1	14	23.84	23.90	23.84	25.10
3	QPSK	8	0	23.10	23.18	22.89	24.10
3	QPSK	8	4	23.20	23.15	22.83	24.10
3	QPSK	8	7	22.98	22.94	22.67	24.10
3	QPSK	15	0	23.02	23.01	22.57	24.10
3	16QAM	1	0	23.35	23.32	23.12	24.10
3	16QAM	1	8	23.18	23.09	22.94	24.10
3	16QAM	1	14	23.30	23.31	22.97	24.10
3	16QAM	8	0	22.25	22.04	21.98	23.10

3	16QAM	8	4	22.09	22.01	21.66	23.10
3	16QAM	8	7	21.92	21.95	21.79	23.10
3	16QAM	15	0	21.95	22.05	21.89	23.10
3	64QAM	1	0	22.28	22.11	21.97	23.10
3	64QAM	1	8	22.12	22.00	21.90	23.10
3	64QAM	1	14	22.18	22.04	21.97	23.10
3	64QAM	8	0	21.08	20.99	20.89	22.10
3	64QAM	8	4	20.97	20.88	20.60	22.10
3	64QAM	8	7	20.91	20.86	20.72	22.10
3	64QAM	15	0	20.98	20.89	20.67	22.10
3	256QAM	1	0	18.99	19.04	19.02	20.10
3	256QAM	1	8	18.93	19.04	18.90	20.10
3	256QAM	1	14	19.23	19.26	19.17	20.10
3	256QAM	8	0	19.13	19.21	19.10	20.10
3	256QAM	8	4	19.04	19.06	18.87	20.10
3	256QAM	8	7	19.09	19.21	18.93	20.10
3	256QAM	15	0	19.04	19.07	18.97	20.10
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.09	24.03	23.96	25.10
1.4	QPSK	1	3	24.01	23.97	23.69	25.10
1.4	QPSK	1	5	23.83	23.93	23.72	25.10
1.4	QPSK	3	0	24.19	24.07	23.80	25.10
1.4	QPSK	3	1	24.18	24.11	23.90	25.10
1.4	QPSK	3	3	23.96	23.90	23.63	25.10
1.4	QPSK	6	0	23.06	23.07	22.52	24.10
1.4	16QAM	1	0	23.42	23.28	23.13	24.10
1.4	16QAM	1	3	23.15	23.15	23.02	24.10
1.4	16QAM	1	5	23.31	23.32	23.00	24.10
1.4	16QAM	3	0	23.16	23.12	22.98	24.10
1.4	16QAM	3	1	23.11	22.97	22.75	24.10
1.4	16QAM	3	3	22.93	22.86	22.80	24.10
1.4	16QAM	6	0	21.98	22.03	21.92	23.10
1.4	64QAM	1	0	22.17	22.13	21.93	23.10
1.4	64QAM	1	3	22.13	22.06	21.95	23.10
1.4	64QAM	1	5	22.17	22.16	22.00	23.10
1.4	64QAM	3	0	22.12	22.01	21.88	23.10
1.4	64QAM	3	1	21.94	21.91	21.64	23.10
1.4	64QAM	3	3	22.01	21.90	21.71	23.10
1.4	64QAM	6	0	20.87	20.89	20.71	22.10
1.4	256QAM	1	0	18.91	19.01	18.98	20.10
1.4	256QAM	1	3	18.93	19.02	18.88	20.10
1.4	256QAM	1	5	19.22	19.20	19.06	20.10
1.4	256QAM	3	0	19.17	19.20	19.14	20.10
1.4	256QAM	3	1	18.97	18.99	18.90	20.10
1.4	256QAM	3	3	19.11	19.11	18.99	20.10
1.4	256QAM	6	0	19.04	19.05	19.03	20.10

【LTE Band 5_Ant 8_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.16	24.05	24.05	25.10
10	QPSK	1	25	24.02	24.02	23.82	25.10
10	QPSK	1	49	23.95	23.95	23.86	25.10
10	QPSK	25	0	23.20	23.21	22.93	24.10
10	QPSK	25	12	23.25	23.19	22.92	24.10
10	QPSK	25	25	23.04	22.99	22.73	24.10
10	QPSK	50	0	23.15	23.12	22.65	24.10
10	16QAM	1	0	23.46	23.39	23.18	24.10
10	16QAM	1	25	23.23	23.23	23.08	24.10
10	16QAM	1	49	23.32	23.39	23.10	24.10
10	16QAM	25	0	22.29	22.18	22.06	23.10
10	16QAM	25	12	22.17	22.04	21.78	23.10
10	16QAM	25	25	22.00	21.99	21.88	23.10
10	16QAM	50	0	22.06	22.07	21.99	23.10
10	64QAM	1	0	22.29	22.16	22.08	23.10
10	64QAM	1	25	22.20	22.10	21.99	23.10
10	64QAM	1	49	22.20	22.18	22.04	23.10
10	64QAM	25	0	21.18	21.10	20.90	22.10
10	64QAM	25	12	21.01	21.03	20.74	22.10
10	64QAM	25	25	21.05	21.01	20.75	22.10



10	64QAM	50	0	21.00	20.96	20.81	22.10
10	256QAM	1	0	19.05	19.06	19.05	20.10
10	256QAM	1	25	19.02	19.07	18.98	20.10
10	256QAM	1	49	19.32	19.29	19.19	20.10
10	256QAM	25	0	19.25	19.29	19.20	20.10
10	256QAM	25	12	19.11	19.09	18.94	20.10
10	256QAM	25	25	19.19	19.23	19.06	20.10
10	256QAM	50	0	19.12	19.16	19.08	20.10
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	24.10	24.03	23.95	25.10
5	QPSK	1	12	23.99	23.88	23.75	25.10
5	QPSK	1	24	23.87	23.80	23.81	25.10
5	QPSK	12	0	23.07	23.20	22.81	24.10
5	QPSK	12	7	23.21	23.16	22.89	24.10
5	QPSK	12	13	23.02	22.85	22.69	24.10
5	QPSK	25	0	23.13	23.10	22.51	24.10
5	16QAM	1	0	23.44	23.34	23.09	24.10
5	16QAM	1	12	23.11	23.15	22.97	24.10
5	16QAM	1	24	23.21	23.31	23.04	24.10
5	16QAM	12	0	22.17	22.08	21.98	23.10
5	16QAM	12	7	22.11	22.02	21.69	23.10
5	16QAM	12	13	21.93	21.98	21.81	23.10
5	16QAM	25	0	21.98	22.05	21.86	23.10
5	64QAM	1	0	22.23	22.05	21.94	23.10
5	64QAM	1	12	22.16	21.95	21.91	23.10
5	64QAM	1	24	22.13	22.04	21.92	23.10
5	64QAM	12	0	21.15	21.03	20.75	22.10
5	64QAM	12	7	21.00	21.02	20.66	22.10
5	64QAM	12	13	20.95	21.00	20.65	22.10
5	64QAM	25	0	20.92	20.92	20.69	22.10
5	256QAM	1	0	19.04	18.95	18.91	20.10
5	256QAM	1	12	18.93	19.03	18.87	20.10
5	256QAM	1	24	19.23	19.21	19.08	20.10
5	256QAM	12	0	19.22	19.20	19.11	20.10
5	256QAM	12	7	19.04	19.06	18.80	20.10
5	256QAM	12	13	19.10	19.16	18.97	20.10
5	256QAM	25	0	18.97	19.05	18.99	20.10
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	24.11	23.93	23.91	25.10
3	QPSK	1	8	23.98	23.89	23.70	25.10
3	QPSK	1	14	23.84	23.90	23.84	25.10
3	QPSK	8	0	23.10	23.18	22.89	24.10
3	QPSK	8	4	23.20	23.15	22.83	24.10
3	QPSK	8	7	22.98	22.94	22.67	24.10
3	QPSK	15	0	23.02	23.01	22.57	24.10
3	16QAM	1	0	23.35	23.32	23.12	24.10
3	16QAM	1	8	23.18	23.09	22.94	24.10
3	16QAM	1	14	23.30	23.31	22.97	24.10
3	16QAM	8	0	22.25	22.04	21.98	23.10
3	16QAM	8	4	22.09	22.01	21.66	23.10
3	16QAM	8	7	21.92	21.95	21.79	23.10
3	16QAM	15	0	21.95	22.05	21.89	23.10
3	64QAM	1	0	22.28	22.11	21.97	23.10
3	64QAM	1	8	22.12	22.00	21.90	23.10
3	64QAM	1	14	22.18	22.04	21.97	23.10
3	64QAM	8	0	21.08	20.99	20.89	22.10
3	64QAM	8	4	20.97	20.88	20.60	22.10
3	64QAM	8	7	20.91	20.86	20.72	22.10
3	64QAM	15	0	20.98	20.89	20.67	22.10
3	256QAM	1	0	18.99	19.04	19.02	20.10
3	256QAM	1	8	18.93	19.04	18.90	20.10
3	256QAM	1	14	19.23	19.26	19.17	20.10
3	256QAM	8	0	19.13	19.21	19.10	20.10
3	256QAM	8	4	19.04	19.06	18.87	20.10
3	256QAM	8	7	19.09	19.21	18.93	20.10
3	256QAM	15	0	19.04	19.07	18.97	20.10
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.09	24.03	23.96	25.10
1.4	QPSK	1	3	24.01	23.97	23.69	25.10
1.4	QPSK	1	5	23.83	23.93	23.72	25.10
1.4	QPSK	3	0	24.19	24.07	23.80	25.10
1.4	QPSK	3	1	24.18	24.11	23.90	25.10
1.4	QPSK	3	3	23.96	23.90	23.63	25.10
1.4	QPSK	6	0	23.06	23.07	22.52	24.10
1.4	16QAM	1	0	23.42	23.28	23.13	24.10

1.4	16QAM	1	3	23.15	23.15	23.02	24.10
1.4	16QAM	1	5	23.31	23.32	23.00	24.10
1.4	16QAM	3	0	23.16	23.12	22.98	24.10
1.4	16QAM	3	1	23.11	22.97	22.75	24.10
1.4	16QAM	3	3	22.93	22.86	22.80	24.10
1.4	16QAM	6	0	21.98	22.03	21.92	23.10
1.4	64QAM	1	0	22.17	22.13	21.93	23.10
1.4	64QAM	1	3	22.13	22.06	21.95	23.10
1.4	64QAM	1	5	22.17	22.16	22.00	23.10
1.4	64QAM	3	0	22.12	22.01	21.88	23.10
1.4	64QAM	3	1	21.94	21.91	21.64	23.10
1.4	64QAM	3	3	22.01	21.90	21.71	23.10
1.4	64QAM	6	0	20.87	20.89	20.71	22.10
1.4	256QAM	1	0	18.91	19.01	18.98	20.10
1.4	256QAM	1	3	18.93	19.02	18.88	20.10
1.4	256QAM	1	5	19.22	19.20	19.06	20.10
1.4	256QAM	3	0	19.17	19.20	19.14	20.10
1.4	256QAM	3	1	18.97	18.99	18.90	20.10
1.4	256QAM	3	3	19.11	19.11	18.99	20.10
1.4	256QAM	6	0	19.04	19.05	19.03	20.10

【LTE Band 5_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.60	20.67	20.64	21.60
10	QPSK	1	25	20.48	20.58	20.64	21.60
10	QPSK	1	49	20.57	20.55	20.59	21.60
10	QPSK	25	0	20.40	20.62	20.58	21.60
10	QPSK	25	12	20.39	20.55	20.52	21.60
10	QPSK	25	25	20.35	20.44	20.46	21.60
10	QPSK	50	0	20.24	20.51	20.35	21.60
10	16QAM	1	0	20.40	20.49	20.51	21.60
10	16QAM	1	25	20.41	20.38	20.43	21.60
10	16QAM	1	49	20.28	20.32	20.40	21.60
10	16QAM	25	0	20.60	20.43	20.52	21.60
10	16QAM	25	12	20.47	20.50	20.62	21.60
10	16QAM	25	25	20.50	20.36	20.62	21.60
10	16QAM	50	0	20.41	20.66	20.69	21.60
10	64QAM	1	0	20.47	20.50	20.61	21.60
10	64QAM	1	25	20.39	20.45	20.56	21.60
10	64QAM	1	49	20.49	20.54	20.67	21.60
10	64QAM	25	0	20.47	20.61	20.52	21.60
10	64QAM	25	12	20.29	20.61	20.48	21.60
10	64QAM	25	25	20.42	20.57	20.59	21.60
10	64QAM	50	0	20.46	20.53	20.63	21.60
10	256QAM	1	0	19.04	19.15	19.02	20.10
10	256QAM	1	25	19.06	19.14	19.04	20.10
10	256QAM	1	49	19.29	19.23	19.11	20.10
10	256QAM	25	0	19.24	19.20	19.20	20.10
10	256QAM	25	12	19.02	19.13	18.96	20.10
10	256QAM	25	25	19.21	19.17	19.08	20.10
10	256QAM	50	0	19.15	19.18	18.98	20.10
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.48	20.61	20.53	21.60
5	QPSK	1	12	20.38	20.44	20.55	21.60
5	QPSK	1	24	20.48	20.45	20.50	21.60
5	QPSK	12	0	20.33	20.53	20.54	21.60
5	QPSK	12	7	20.34	20.51	20.40	21.60
5	QPSK	12	13	20.22	20.31	20.34	21.60
5	QPSK	25	0	20.21	20.48	20.26	21.60
5	16QAM	1	0	20.29	20.41	20.47	21.60
5	16QAM	1	12	20.30	20.29	20.31	21.60
5	16QAM	1	24	20.18	20.27	20.27	21.60
5	16QAM	12	0	20.55	20.42	20.49	21.60
5	16QAM	12	7	20.42	20.39	20.50	21.60
5	16QAM	12	13	20.42	20.30	20.59	21.60
5	16QAM	25	0	20.38	20.52	20.62	21.60
5	64QAM	1	0	20.35	20.40	20.53	21.60
5	64QAM	1	12	20.27	20.36	20.47	21.60
5	64QAM	1	24	20.46	20.41	20.66	21.60

5	64QAM	12	0	20.37	20.47	20.40	21.60
5	64QAM	12	7	20.18	20.49	20.33	21.60
5	64QAM	12	13	20.29	20.55	20.48	21.60
5	64QAM	25	0	20.39	20.42	20.61	21.60
5	256QAM	1	0	18.93	19.13	18.91	20.10
5	256QAM	1	12	18.92	19.08	18.96	20.10
5	256QAM	1	24	19.17	19.22	19.01	20.10
5	256QAM	12	0	19.20	19.08	19.09	20.10
5	256QAM	12	7	18.91	19.00	18.87	20.10
5	256QAM	12	13	19.14	19.10	18.96	20.10
5	256QAM	25	0	19.06	19.12	18.95	20.10
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	20.48	20.63	20.60	21.60
3	QPSK	1	8	20.42	20.48	20.54	21.60
3	QPSK	1	14	20.54	20.42	20.57	21.60
3	QPSK	8	0	20.37	20.54	20.48	21.60
3	QPSK	8	4	20.26	20.41	20.48	21.60
3	QPSK	8	7	20.20	20.39	20.44	21.60
3	QPSK	15	0	20.21	20.40	20.31	21.60
3	16QAM	1	0	20.29	20.44	20.49	21.60
3	16QAM	1	8	20.37	20.37	20.33	21.60
3	16QAM	1	14	20.23	20.21	20.37	21.60
3	16QAM	8	0	20.48	20.42	20.49	21.60
3	16QAM	8	4	20.37	20.36	20.48	21.60
3	16QAM	8	7	20.41	20.25	20.50	21.60
3	16QAM	15	0	20.39	20.59	20.67	21.60
3	64QAM	1	0	20.42	20.46	20.52	21.60
3	64QAM	1	8	20.35	20.39	20.42	21.60
3	64QAM	1	14	20.36	20.45	20.54	21.60
3	64QAM	8	0	20.43	20.58	20.46	21.60
3	64QAM	8	4	20.18	20.56	20.34	21.60
3	64QAM	8	7	20.35	20.55	20.46	21.60
3	64QAM	15	0	20.32	20.42	20.54	21.60
3	256QAM	1	0	19.01	19.03	18.92	20.10
3	256QAM	1	8	19.02	19.06	19.03	20.10
3	256QAM	1	14	19.17	19.14	19.06	20.10
3	256QAM	8	0	19.17	19.08	19.15	20.10
3	256QAM	8	4	18.96	19.04	18.86	20.10
3	256QAM	8	7	19.20	19.15	19.07	20.10
3	256QAM	15	0	19.05	19.16	18.91	20.10
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	20.56	20.60	20.57	21.60
1.4	QPSK	1	3	20.37	20.56	20.60	21.60
1.4	QPSK	1	5	20.54	20.49	20.57	21.60
1.4	QPSK	3	0	20.31	20.61	20.56	21.60
1.4	QPSK	3	1	20.33	20.50	20.47	21.60
1.4	QPSK	3	3	20.33	20.29	20.33	21.60
1.4	QPSK	6	0	20.15	20.47	20.26	21.60
1.4	16QAM	1	0	20.35	20.34	20.41	21.60
1.4	16QAM	1	3	20.39	20.35	20.28	21.60
1.4	16QAM	1	5	20.22	20.24	20.32	21.60
1.4	16QAM	3	0	20.55	20.35	20.50	21.60
1.4	16QAM	3	1	20.39	20.40	20.59	21.60
1.4	16QAM	3	3	20.38	20.26	20.60	21.60
1.4	16QAM	6	0	20.37	20.62	20.66	21.60
1.4	64QAM	1	0	20.42	20.42	20.49	21.60
1.4	64QAM	1	3	20.35	20.35	20.45	21.60
1.4	64QAM	1	5	20.36	20.52	20.60	21.60
1.4	64QAM	3	0	20.41	20.59	20.40	21.60
1.4	64QAM	3	1	20.22	20.47	20.35	21.60
1.4	64QAM	3	3	20.30	20.51	20.55	21.60
1.4	64QAM	6	0	20.36	20.44	20.56	21.60
1.4	256QAM	1	0	18.95	19.09	18.94	20.10
1.4	256QAM	1	3	18.94	19.02	19.00	20.10
1.4	256QAM	1	5	19.24	19.09	19.02	20.10
1.4	256QAM	3	0	19.11	19.06	19.10	20.10
1.4	256QAM	3	1	18.88	19.06	18.91	20.10
1.4	256QAM	3	3	19.13	19.13	19.01	20.10
1.4	256QAM	6	0	19.05	19.09	18.84	20.10

【LTE Band 5_Ant 10_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.29	24.42	24.10	25.10
10	QPSK	1	25	23.95	24.19	23.73	25.10
10	QPSK	1	49	23.97	24.16	23.76	25.10
10	QPSK	25	0	23.26	23.43	23.01	24.10
10	QPSK	25	12	23.25	23.41	23.08	24.10
10	QPSK	25	25	23.21	23.40	23.06	24.10
10	QPSK	50	0	23.02	23.29	22.94	24.10
10	16QAM	1	0	23.06	23.33	22.91	24.10
10	16QAM	1	25	23.10	23.32	22.93	24.10
10	16QAM	1	49	23.01	23.22	22.85	24.10
10	16QAM	25	0	22.25	22.43	22.00	23.10
10	16QAM	25	12	22.20	22.35	21.92	23.10
10	16QAM	25	25	22.22	22.42	22.05	23.10
10	16QAM	50	0	22.19	22.39	22.05	23.10
10	64QAM	1	0	22.18	22.38	21.95	23.10
10	64QAM	1	25	22.16	22.35	21.95	23.10
10	64QAM	1	49	22.11	22.27	21.93	23.10
10	64QAM	25	0	21.13	21.37	21.05	22.10
10	64QAM	25	12	21.27	21.44	21.04	22.10
10	64QAM	25	25	21.32	21.51	21.09	22.10
10	64QAM	50	0	21.31	21.45	21.15	22.10
10	256QAM	1	0	19.06	19.25	18.86	20.10
10	256QAM	1	25	19.23	19.36	19.08	20.10
10	256QAM	1	49	19.25	19.39	19.06	20.10
10	256QAM	25	0	19.19	19.34	19.05	20.10
10	256QAM	25	12	19.11	19.34	19.01	20.10
10	256QAM	25	25	19.10	19.28	18.89	20.10
10	256QAM	50	0	19.11	19.30	18.92	20.10
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	24.27	24.31	24.05	25.10
5	QPSK	1	12	23.93	24.17	23.64	25.10
5	QPSK	1	24	23.89	24.03	23.71	25.10
5	QPSK	12	0	23.17	23.33	22.86	24.10
5	QPSK	12	7	23.21	23.38	22.96	24.10
5	QPSK	12	13	23.11	23.29	23.04	24.10
5	QPSK	25	0	22.88	23.19	22.83	24.10
5	16QAM	1	0	23.04	23.23	22.88	24.10
5	16QAM	1	12	23.04	23.25	22.84	24.10
5	16QAM	1	24	22.93	23.16	22.79	24.10
5	16QAM	12	0	22.20	22.37	21.98	23.10
5	16QAM	12	7	22.08	22.26	21.82	23.10
5	16QAM	12	13	22.08	22.38	22.03	23.10
5	16QAM	25	0	22.13	22.32	22.03	23.10
5	64QAM	1	0	22.10	22.26	21.86	23.10
5	64QAM	1	12	22.06	22.24	21.88	23.10
5	64QAM	1	24	21.98	22.14	21.80	23.10
5	64QAM	12	0	21.06	21.29	21.02	22.10
5	64QAM	12	7	21.23	21.41	20.96	22.10
5	64QAM	12	13	21.24	21.41	21.00	22.10
5	64QAM	25	0	21.17	21.43	21.01	22.10
5	256QAM	1	0	18.94	19.15	18.80	20.10
5	256QAM	1	12	19.19	19.25	18.99	20.10
5	256QAM	1	24	19.14	19.28	18.98	20.10
5	256QAM	12	0	19.10	19.20	18.96	20.10
5	256QAM	12	7	19.09	19.31	18.88	20.10
5	256QAM	12	13	18.97	19.15	18.84	20.10
5	256QAM	25	0	19.04	19.21	18.89	20.10
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	24.20	24.36	24.00	25.10
3	QPSK	1	8	23.88	24.09	23.65	25.10
3	QPSK	1	14	23.83	24.06	23.65	25.10
3	QPSK	8	0	23.19	23.31	22.97	24.10
3	QPSK	8	4	23.11	23.31	23.06	24.10
3	QPSK	8	7	23.11	23.32	22.93	24.10
3	QPSK	15	0	22.88	23.21	22.83	24.10
3	16QAM	1	0	23.00	23.26	22.78	24.10
3	16QAM	1	8	23.08	23.22	22.87	24.10
3	16QAM	1	14	22.99	23.09	22.83	24.10
3	16QAM	8	0	22.16	22.32	21.99	23.10
3	16QAM	8	4	22.07	22.23	21.85	23.10
3	16QAM	8	7	22.16	22.34	22.04	23.10
3	16QAM	15	0	22.07	22.30	21.93	23.10

3	64QAM	1	0	22.05	22.35	21.91	23.10
3	64QAM	1	8	22.04	22.29	21.85	23.10
3	64QAM	1	14	21.98	22.14	21.85	23.10
3	64QAM	8	0	20.99	21.25	21.01	22.10
3	64QAM	8	4	21.25	21.43	20.92	22.10
3	64QAM	8	7	21.28	21.42	20.97	22.10
3	64QAM	15	0	21.29	21.33	21.11	22.10
3	256QAM	1	0	18.94	19.11	18.76	20.10
3	256QAM	1	8	19.19	19.30	18.96	20.10
3	256QAM	1	14	19.12	19.29	19.00	20.10
3	256QAM	8	0	19.04	19.28	19.04	20.10
3	256QAM	8	4	18.97	19.22	18.89	20.10
3	256QAM	8	7	18.97	19.22	18.86	20.10
3	256QAM	15	0	19.04	19.24	18.82	20.10
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.19	24.35	24.09	25.10
1.4	QPSK	1	3	23.92	24.12	23.65	25.10
1.4	QPSK	1	5	23.83	24.10	23.68	25.10
1.4	QPSK	3	0	24.22	24.34	23.96	25.10
1.4	QPSK	3	1	24.17	24.40	23.96	25.10
1.4	QPSK	3	3	24.18	24.38	23.97	25.10
1.4	QPSK	6	0	22.90	23.23	22.86	24.10
1.4	16QAM	1	0	22.95	23.28	22.80	24.10
1.4	16QAM	1	3	23.07	23.29	22.91	24.10
1.4	16QAM	1	5	22.94	23.15	22.72	24.10
1.4	16QAM	3	0	23.12	23.33	22.94	24.10
1.4	16QAM	3	1	23.12	23.26	22.88	24.10
1.4	16QAM	3	3	23.13	23.41	23.02	24.10
1.4	16QAM	6	0	22.07	22.28	21.90	23.10
1.4	64QAM	1	0	22.13	22.31	21.81	23.10
1.4	64QAM	1	3	22.02	22.26	21.88	23.10
1.4	64QAM	1	5	21.97	22.19	21.90	23.10
1.4	64QAM	3	0	22.05	22.23	21.95	23.10
1.4	64QAM	3	1	22.17	22.42	21.91	23.10
1.4	64QAM	3	3	22.26	22.47	21.95	23.10
1.4	64QAM	6	0	21.25	21.44	21.04	22.10
1.4	256QAM	1	0	19.00	19.18	18.74	20.10
1.4	256QAM	1	3	19.12	19.28	19.03	20.10
1.4	256QAM	1	5	19.20	19.36	19.05	20.10
1.4	256QAM	3	0	19.14	19.23	19.04	20.10
1.4	256QAM	3	1	19.01	19.24	18.96	20.10
1.4	256QAM	3	3	19.05	19.14	18.85	20.10
1.4	256QAM	6	0	19.05	19.19	18.84	20.10

【LTE Band 5_Ant 10_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.29	24.42	24.10	25.00
10	QPSK	1	25	23.95	24.19	23.73	25.00
10	QPSK	1	49	23.97	24.16	23.76	25.00
10	QPSK	25	0	23.26	23.43	23.01	24.00
10	QPSK	25	12	23.25	23.41	23.08	24.00
10	QPSK	25	25	23.21	23.40	23.06	24.00
10	QPSK	50	0	23.02	23.29	22.94	24.00
10	16QAM	1	0	23.06	23.33	22.91	24.00
10	16QAM	1	25	23.10	23.32	22.93	24.00
10	16QAM	1	49	23.01	23.22	22.85	24.00
10	16QAM	25	0	22.25	22.43	22.00	23.00
10	16QAM	25	12	22.20	22.35	21.92	23.00
10	16QAM	25	25	22.22	22.42	22.05	23.00
10	16QAM	50	0	22.19	22.39	22.05	23.00
10	64QAM	1	0	22.18	22.38	21.95	23.00
10	64QAM	1	25	22.16	22.35	21.95	23.00
10	64QAM	1	49	22.11	22.27	21.93	23.00
10	64QAM	25	0	21.13	21.37	21.05	22.00
10	64QAM	25	12	21.27	21.44	21.04	22.00
10	64QAM	25	25	21.32	21.51	21.09	22.00
10	64QAM	50	0	21.31	21.45	21.15	22.00
10	256QAM	1	0	19.06	19.25	18.86	20.00
10	256QAM	1	25	19.23	19.36	19.08	20.00

10	256QAM	1	49	19.25	19.39	19.06	20.00
10	256QAM	25	0	19.19	19.34	19.05	20.00
10	256QAM	25	12	19.11	19.34	19.01	20.00
10	256QAM	25	25	19.10	19.28	18.89	20.00
10	256QAM	50	0	19.11	19.30	18.92	20.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	24.27	24.31	24.05	25.00
5	QPSK	1	12	23.93	24.17	23.64	25.00
5	QPSK	1	24	23.89	24.03	23.71	25.00
5	QPSK	12	0	23.17	23.33	22.86	24.00
5	QPSK	12	7	23.21	23.38	22.96	24.00
5	QPSK	12	13	23.11	23.29	23.04	24.00
5	QPSK	25	0	22.88	23.19	22.83	24.00
5	16QAM	1	0	23.04	23.23	22.88	24.00
5	16QAM	1	12	23.04	23.25	22.84	24.00
5	16QAM	1	24	22.93	23.16	22.79	24.00
5	16QAM	12	0	22.20	22.37	21.98	23.00
5	16QAM	12	7	22.08	22.26	21.82	23.00
5	16QAM	12	13	22.08	22.38	22.03	23.00
5	16QAM	25	0	22.13	22.32	22.03	23.00
5	64QAM	1	0	22.10	22.26	21.86	23.00
5	64QAM	1	12	22.06	22.24	21.88	23.00
5	64QAM	1	24	21.98	22.14	21.80	23.00
5	64QAM	12	0	21.06	21.29	21.02	22.00
5	64QAM	12	7	21.23	21.41	20.96	22.00
5	64QAM	12	13	21.24	21.41	21.00	22.00
5	64QAM	25	0	21.17	21.43	21.01	22.00
5	256QAM	1	0	18.94	19.15	18.80	20.00
5	256QAM	1	12	19.19	19.25	18.99	20.00
5	256QAM	1	24	19.14	19.28	18.98	20.00
5	256QAM	12	0	19.10	19.20	18.96	20.00
5	256QAM	12	7	19.09	19.31	18.88	20.00
5	256QAM	12	13	18.97	19.15	18.84	20.00
5	256QAM	25	0	19.04	19.21	18.89	20.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	24.20	24.36	24.00	25.00
3	QPSK	1	8	23.88	24.09	23.65	25.00
3	QPSK	1	14	23.83	24.06	23.65	25.00
3	QPSK	8	0	23.19	23.31	22.97	24.00
3	QPSK	8	4	23.11	23.31	23.06	24.00
3	QPSK	8	7	23.11	23.32	22.93	24.00
3	QPSK	15	0	22.88	23.21	22.83	24.00
3	16QAM	1	0	23.00	23.26	22.78	24.00
3	16QAM	1	8	23.08	23.22	22.87	24.00
3	16QAM	1	14	22.99	23.09	22.83	24.00
3	16QAM	8	0	22.16	22.32	21.99	23.00
3	16QAM	8	4	22.07	22.23	21.85	23.00
3	16QAM	8	7	22.16	22.34	22.04	23.00
3	16QAM	15	0	22.07	22.30	21.93	23.00
3	64QAM	1	0	22.05	22.35	21.91	23.00
3	64QAM	1	8	22.04	22.29	21.85	23.00
3	64QAM	1	14	21.98	22.14	21.85	23.00
3	64QAM	8	0	20.99	21.25	21.01	22.00
3	64QAM	8	4	21.25	21.43	20.92	22.00
3	64QAM	8	7	21.28	21.42	20.97	22.00
3	64QAM	15	0	21.29	21.33	21.11	22.00
3	256QAM	1	0	18.94	19.11	18.76	20.00
3	256QAM	1	8	19.19	19.30	18.96	20.00
3	256QAM	1	14	19.12	19.29	19.00	20.00
3	256QAM	8	0	19.04	19.28	19.04	20.00
3	256QAM	8	4	18.97	19.22	18.89	20.00
3	256QAM	8	7	18.97	19.22	18.86	20.00
3	256QAM	15	0	19.04	19.24	18.82	20.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.19	24.35	24.09	25.00
1.4	QPSK	1	3	23.92	24.12	23.65	25.00
1.4	QPSK	1	5	23.83	24.10	23.68	25.00
1.4	QPSK	3	0	24.22	24.34	23.96	25.00
1.4	QPSK	3	1	24.17	24.40	23.96	25.00
1.4	QPSK	3	3	24.18	24.38	23.97	25.00
1.4	QPSK	6	0	22.90	23.23	22.86	24.00
1.4	16QAM	1	0	22.95	23.28	22.80	24.00
1.4	16QAM	1	3	23.07	23.29	22.91	24.00
1.4	16QAM	1	5	22.94	23.15	22.72	24.00
1.4	16QAM	3	0	23.12	23.33	22.94	24.00

1.4	16QAM	3	1	23.12	23.26	22.88	24.00
1.4	16QAM	3	3	23.13	23.41	23.02	24.00
1.4	16QAM	6	0	22.07	22.28	21.90	23.00
1.4	64QAM	1	0	22.13	22.31	21.81	23.00
1.4	64QAM	1	3	22.02	22.26	21.88	23.00
1.4	64QAM	1	5	21.97	22.19	21.90	23.00
1.4	64QAM	3	0	22.05	22.23	21.95	23.00
1.4	64QAM	3	1	22.17	22.42	21.91	23.00
1.4	64QAM	3	3	22.26	22.47	21.95	23.00
1.4	64QAM	6	0	21.25	21.44	21.04	22.00
1.4	256QAM	1	0	19.00	19.18	18.74	20.00
1.4	256QAM	1	3	19.12	19.28	19.03	20.00
1.4	256QAM	1	5	19.20	19.36	19.05	20.00
1.4	256QAM	3	0	19.14	19.23	19.04	20.00
1.4	256QAM	3	1	19.01	19.24	18.96	20.00
1.4	256QAM	3	3	19.05	19.14	18.85	20.00
1.4	256QAM	6	0	19.05	19.19	18.84	20.00

【LTE Band 5_Ant 10_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.45	21.50	21.46	22.10
10	QPSK	1	25	21.26	21.46	21.25	22.10
10	QPSK	1	49	21.30	21.36	21.36	22.10
10	QPSK	25	0	21.33	21.48	21.24	22.10
10	QPSK	25	12	21.14	21.20	21.17	22.10
10	QPSK	25	25	21.19	21.23	21.20	22.10
10	QPSK	50	0	21.15	21.23	21.04	22.10
10	16QAM	1	0	21.13	21.27	21.29	22.10
10	16QAM	1	25	21.27	21.22	21.27	22.10
10	16QAM	1	49	21.18	21.14	21.26	22.10
10	16QAM	25	0	21.22	21.21	21.16	22.10
10	16QAM	25	12	21.27	21.28	21.33	22.10
10	16QAM	25	25	21.34	21.28	21.36	22.10
10	16QAM	50	0	21.16	21.36	21.38	22.10
10	64QAM	1	0	21.25	21.26	21.35	22.10
10	64QAM	1	25	21.22	21.28	21.27	22.10
10	64QAM	1	49	21.23	21.34	21.30	22.10
10	64QAM	25	0	21.24	21.27	21.21	22.10
10	64QAM	25	12	21.30	21.27	21.29	22.10
10	64QAM	25	25	21.15	21.43	21.44	22.10
10	64QAM	50	0	21.24	21.31	21.38	22.10
10	256QAM	1	0	19.06	19.25	18.86	20.10
10	256QAM	1	25	19.23	19.36	19.08	20.10
10	256QAM	1	49	19.25	19.39	19.06	20.10
10	256QAM	25	0	19.19	19.34	19.05	20.10
10	256QAM	25	12	19.11	19.34	19.01	20.10
10	256QAM	25	25	19.10	19.28	18.89	20.10
10	256QAM	50	0	19.11	19.30	18.92	20.10
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.39	21.41	21.38	22.10
5	QPSK	1	12	21.12	21.45	21.13	22.10
5	QPSK	1	24	21.18	21.32	21.23	22.10
5	QPSK	12	0	21.29	21.34	21.09	22.10
5	QPSK	12	7	21.09	21.17	21.09	22.10
5	QPSK	12	13	21.06	21.16	21.15	22.10
5	QPSK	25	0	21.12	21.20	20.99	22.10
5	16QAM	1	0	21.05	21.18	21.17	22.10
5	16QAM	1	12	21.14	21.21	21.13	22.10
5	16QAM	1	24	21.15	21.01	21.22	22.10
5	16QAM	12	0	21.09	21.15	21.11	22.10
5	16QAM	12	7	21.22	21.25	21.25	22.10
5	16QAM	12	13	21.25	21.17	21.29	22.10
5	16QAM	25	0	21.10	21.31	21.27	22.10
5	64QAM	1	0	21.19	21.21	21.31	22.10
5	64QAM	1	12	21.14	21.22	21.16	22.10
5	64QAM	1	24	21.08	21.19	21.18	22.10
5	64QAM	12	0	21.10	21.19	21.08	22.10
5	64QAM	12	7	21.20	21.22	21.26	22.10
5	64QAM	12	13	21.00	21.41	21.41	22.10

5	64QAM	25	0	21.16	21.26	21.24	22.10
5	256QAM	1	0	18.96	19.18	18.79	20.10
5	256QAM	1	12	19.17	19.27	19.00	20.10
5	256QAM	1	24	19.17	19.32	18.91	20.10
5	256QAM	12	0	19.16	19.33	19.00	20.10
5	256QAM	12	7	19.03	19.27	18.91	20.10
5	256QAM	12	13	18.98	19.20	18.82	20.10
5	256QAM	25	0	19.03	19.23	18.85	20.10
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	21.48	21.39	21.37	22.10
3	QPSK	1	8	21.12	21.31	21.16	22.10
3	QPSK	1	14	21.22	21.34	21.23	22.10
3	QPSK	8	0	21.18	21.41	21.10	22.10
3	QPSK	8	4	21.01	21.18	21.09	22.10
3	QPSK	8	7	21.14	21.20	21.17	22.10
3	QPSK	15	0	21.01	21.21	20.94	22.10
3	16QAM	1	0	21.04	21.18	21.22	22.10
3	16QAM	1	8	21.20	21.11	21.15	22.10
3	16QAM	1	14	21.12	21.06	21.14	22.10
3	16QAM	8	0	21.17	21.09	21.14	22.10
3	16QAM	8	4	21.20	21.16	21.31	22.10
3	16QAM	8	7	21.21	21.19	21.28	22.10
3	16QAM	15	0	21.02	21.23	21.26	22.10
3	64QAM	1	0	21.13	21.16	21.21	22.10
3	64QAM	1	8	21.14	21.18	21.16	22.10
3	64QAM	1	14	21.16	21.29	21.17	22.10
3	64QAM	8	0	21.15	21.16	21.08	22.10
3	64QAM	8	4	21.24	21.25	21.15	22.10
3	64QAM	8	7	21.09	21.34	21.31	22.10
3	64QAM	15	0	21.21	21.20	21.27	22.10
3	256QAM	1	0	18.95	19.10	18.80	20.10
3	256QAM	1	8	19.19	19.28	18.93	20.10
3	256QAM	1	14	19.22	19.26	19.00	20.10
3	256QAM	8	0	19.07	19.26	18.96	20.10
3	256QAM	8	4	18.99	19.28	18.98	20.10
3	256QAM	8	7	19.00	19.15	18.77	20.10
3	256QAM	15	0	19.07	19.19	18.81	20.10
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	21.49	21.40	21.38	22.10
1.4	QPSK	1	3	21.24	21.45	21.13	22.10
1.4	QPSK	1	5	21.27	21.29	21.25	22.10
1.4	QPSK	3	0	21.23	21.44	21.11	22.10
1.4	QPSK	3	1	21.05	21.05	21.10	22.10
1.4	QPSK	3	3	21.16	21.16	21.13	22.10
1.4	QPSK	6	0	21.02	21.15	20.96	22.10
1.4	16QAM	1	0	21.07	21.18	21.19	22.10
1.4	16QAM	1	3	21.22	21.14	21.13	22.10
1.4	16QAM	1	5	21.08	21.05	21.18	22.10
1.4	16QAM	3	0	21.09	21.07	21.02	22.10
1.4	16QAM	3	1	21.16	21.16	21.29	22.10
1.4	16QAM	3	3	21.25	21.22	21.26	22.10
1.4	16QAM	6	0	21.05	21.35	21.36	22.10
1.4	64QAM	1	0	21.15	21.18	21.20	22.10
1.4	64QAM	1	3	21.14	21.16	21.24	22.10
1.4	64QAM	1	5	21.16	21.32	21.16	22.10
1.4	64QAM	3	0	21.16	21.16	21.19	22.10
1.4	64QAM	3	1	21.22	21.23	21.19	22.10
1.4	64QAM	3	3	21.03	21.35	21.30	22.10
1.4	64QAM	6	0	21.23	21.21	21.27	22.10
1.4	256QAM	1	0	18.98	19.13	18.77	20.10
1.4	256QAM	1	3	19.21	19.29	18.93	20.10
1.4	256QAM	1	5	19.15	19.27	18.96	20.10
1.4	256QAM	3	0	19.07	19.22	18.96	20.10
1.4	256QAM	3	1	19.01	19.26	18.91	20.10
1.4	256QAM	3	3	19.04	19.17	18.77	20.10
1.4	256QAM	6	0	19.08	19.21	18.77	20.10

【LTE Band 7_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	



Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.21	24.26	24.22	25.10
20	QPSK	1	49	24.09	24.23	24.15	25.10
20	QPSK	1	99	24.03	24.16	24.08	25.10
20	QPSK	50	0	23.40	23.46	23.42	24.10
20	QPSK	50	24	23.19	23.35	23.26	24.10
20	QPSK	50	50	23.13	23.31	23.20	24.10
20	QPSK	100	0	23.41	23.52	23.41	24.10
20	16QAM	1	0	23.27	23.41	23.24	24.10
20	16QAM	1	49	23.27	23.39	23.32	24.10
20	16QAM	1	99	23.27	23.40	23.32	24.10
20	16QAM	50	0	22.46	22.60	22.43	23.10
20	16QAM	50	24	22.43	22.59	22.45	23.10
20	16QAM	50	50	22.38	22.46	22.36	23.10
20	16QAM	100	0	22.02	22.16	22.04	23.10
20	64QAM	1	0	22.35	22.52	22.37	23.10
20	64QAM	1	49	22.24	22.40	22.33	23.10
20	64QAM	1	99	22.22	22.37	22.23	23.10
20	64QAM	50	0	21.41	21.58	21.53	22.10
20	64QAM	50	24	21.45	21.52	21.35	22.10
20	64QAM	50	50	21.15	21.34	21.24	22.10
20	64QAM	100	0	20.87	21.05	20.90	22.10
20	256QAM	1	0	19.05	19.20	19.05	20.10
20	256QAM	1	49	19.06	19.14	19.09	20.10
20	256QAM	1	99	19.05	19.15	18.99	20.10
20	256QAM	50	0	19.19	19.26	19.10	20.10
20	256QAM	50	24	19.04	19.15	19.04	20.10
20	256QAM	50	50	18.99	19.10	19.00	20.10
20	256QAM	100	0	19.05	19.16	19.01	20.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	24.06	24.25	24.14	25.10
15	QPSK	1	37	23.99	24.09	24.07	25.10
15	QPSK	1	74	23.88	24.14	23.95	25.10
15	QPSK	36	0	23.27	23.32	23.28	24.10
15	QPSK	36	20	23.08	23.29	23.15	24.10
15	QPSK	36	39	23.07	23.26	23.15	24.10
15	QPSK	75	0	23.36	23.47	23.36	24.10
15	16QAM	1	0	23.14	23.37	23.16	24.10
15	16QAM	1	37	23.19	23.29	23.23	24.10
15	16QAM	1	74	23.25	23.33	23.22	24.10
15	16QAM	36	0	22.36	22.47	22.39	23.10
15	16QAM	36	20	22.40	22.52	22.30	23.10
15	16QAM	36	39	22.34	22.33	22.30	23.10
15	16QAM	75	0	22.00	22.10	21.91	23.10
15	64QAM	1	0	22.26	22.44	22.33	23.10
15	64QAM	1	37	22.20	22.38	22.26	23.10
15	64QAM	1	74	22.15	22.26	22.19	23.10
15	64QAM	36	0	21.33	21.47	21.44	22.10
15	64QAM	36	20	21.35	21.39	21.33	22.10
15	64QAM	36	39	21.04	21.30	21.22	22.10
15	64QAM	75	0	20.72	21.02	20.84	22.10
15	256QAM	1	0	18.98	19.06	18.99	20.10
15	256QAM	1	37	18.99	19.13	18.96	20.10
15	256QAM	1	74	18.98	19.07	18.94	20.10
15	256QAM	36	0	19.16	19.13	19.01	20.10
15	256QAM	36	20	18.99	19.07	18.99	20.10
15	256QAM	36	39	18.93	19.00	18.95	20.10
15	256QAM	75	0	18.92	19.07	18.88	20.10
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	24.10	24.16	24.11	25.10
10	QPSK	1	25	24.04	24.10	24.02	25.10
10	QPSK	1	49	23.89	24.08	23.98	25.10
10	QPSK	25	0	23.29	23.42	23.35	24.10
10	QPSK	25	12	23.17	23.21	23.15	24.10
10	QPSK	25	25	23.07	23.20	23.17	24.10
10	QPSK	50	0	23.38	23.39	23.31	24.10
10	16QAM	1	0	23.26	23.40	23.14	24.10
10	16QAM	1	25	23.17	23.30	23.24	24.10
10	16QAM	1	49	23.20	23.37	23.22	24.10
10	16QAM	25	0	22.31	22.56	22.36	23.10
10	16QAM	25	12	22.35	22.46	22.36	23.10
10	16QAM	25	25	22.36	22.45	22.31	23.10
10	16QAM	50	0	21.91	22.10	21.93	23.10
10	64QAM	1	0	22.28	22.38	22.33	23.10
10	64QAM	1	25	22.22	22.34	22.19	23.10
10	64QAM	1	49	22.16	22.28	22.13	23.10

10	64QAM	25	0	21.36	21.49	21.41	22.10
10	64QAM	25	12	21.41	21.46	21.32	22.10
10	64QAM	25	25	21.05	21.32	21.20	22.10
10	64QAM	50	0	20.76	21.02	20.77	22.10
10	256QAM	1	0	18.96	19.10	18.90	20.10
10	256QAM	1	25	18.97	19.06	19.01	20.10
10	256QAM	1	49	18.92	19.09	18.89	20.10
10	256QAM	25	0	19.18	19.20	19.03	20.10
10	256QAM	25	12	18.97	19.11	19.02	20.10
10	256QAM	25	25	18.93	19.07	18.87	20.10
10	256QAM	50	0	19.00	19.10	18.92	20.10
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	24.17	24.20	24.07	25.10
5	QPSK	1	12	24.04	24.17	24.01	25.10
5	QPSK	1	24	23.91	24.13	23.99	25.10
5	QPSK	12	0	23.34	23.38	23.40	24.10
5	QPSK	12	7	23.04	23.21	23.21	24.10
5	QPSK	12	13	23.01	23.29	23.14	24.10
5	QPSK	25	0	23.27	23.45	23.34	24.10
5	16QAM	1	0	23.25	23.35	23.18	24.10
5	16QAM	1	12	23.17	23.37	23.22	24.10
5	16QAM	1	24	23.15	23.38	23.26	24.10
5	16QAM	12	0	22.31	22.51	22.42	23.10
5	16QAM	12	7	22.38	22.47	22.41	23.10
5	16QAM	12	13	22.35	22.34	22.31	23.10
5	16QAM	25	0	21.88	22.02	21.90	23.10
5	64QAM	1	0	22.28	22.43	22.34	23.10
5	64QAM	1	12	22.14	22.31	22.26	23.10
5	64QAM	1	24	22.18	22.25	22.21	23.10
5	64QAM	12	0	21.39	21.53	21.46	22.10
5	64QAM	12	7	21.35	21.48	21.22	22.10
5	64QAM	12	13	21.11	21.23	21.16	22.10
5	64QAM	25	0	20.83	21.01	20.89	22.10
5	256QAM	1	0	19.04	19.09	19.00	20.10
5	256QAM	1	12	19.02	19.03	19.04	20.10
5	256QAM	1	24	18.98	19.12	18.87	20.10
5	256QAM	12	0	19.04	19.16	18.99	20.10
5	256QAM	12	7	18.99	19.08	18.97	20.10
5	256QAM	12	13	18.91	18.96	18.90	20.10
5	256QAM	25	0	18.97	19.08	18.95	20.10

【LTE Band 7_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.21	24.26	24.22	25.10
20	QPSK	1	49	24.09	24.23	24.15	25.10
20	QPSK	1	99	24.03	24.16	24.08	25.10
20	QPSK	50	0	23.40	23.46	23.42	24.10
20	QPSK	50	24	23.19	23.35	23.26	24.10
20	QPSK	50	50	23.13	23.31	23.20	24.10
20	QPSK	100	0	23.41	23.52	23.41	24.10
20	16QAM	1	0	23.27	23.41	23.24	24.10
20	16QAM	1	49	23.27	23.39	23.32	24.10
20	16QAM	1	99	23.27	23.40	23.32	24.10
20	16QAM	50	0	22.46	22.60	22.43	23.10
20	16QAM	50	24	22.43	22.59	22.45	23.10
20	16QAM	50	50	22.38	22.46	22.36	23.10
20	16QAM	100	0	22.02	22.16	22.04	23.10
20	64QAM	1	0	22.35	22.52	22.37	23.10
20	64QAM	1	49	22.24	22.40	22.33	23.10
20	64QAM	1	99	22.22	22.37	22.23	23.10
20	64QAM	50	0	21.41	21.58	21.53	22.10
20	64QAM	50	24	21.45	21.52	21.35	22.10
20	64QAM	50	50	21.15	21.34	21.24	22.10
20	64QAM	100	0	20.87	21.05	20.90	22.10
20	256QAM	1	0	19.05	19.20	19.05	20.10
20	256QAM	1	49	19.06	19.14	19.09	20.10
20	256QAM	1	99	19.05	19.15	18.99	20.10
20	256QAM	50	0	19.19	19.26	19.10	20.10
20	256QAM	50	24	19.04	19.15	19.04	20.10



20	256QAM	50	50	18.99	19.10	19.00	20.10
20	256QAM	100	0	19.05	19.16	19.01	20.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	24.06	24.25	24.14	25.10
15	QPSK	1	37	23.99	24.09	24.07	25.10
15	QPSK	1	74	23.88	24.14	23.95	25.10
15	QPSK	36	0	23.27	23.32	23.28	24.10
15	QPSK	36	20	23.08	23.29	23.15	24.10
15	QPSK	36	39	23.07	23.26	23.15	24.10
15	QPSK	75	0	23.36	23.47	23.36	24.10
15	16QAM	1	0	23.14	23.37	23.16	24.10
15	16QAM	1	37	23.19	23.29	23.23	24.10
15	16QAM	1	74	23.25	23.33	23.22	24.10
15	16QAM	36	0	22.36	22.47	22.39	23.10
15	16QAM	36	20	22.40	22.52	22.30	23.10
15	16QAM	36	39	22.34	22.33	22.30	23.10
15	16QAM	75	0	22.00	22.10	21.91	23.10
15	64QAM	1	0	22.26	22.44	22.33	23.10
15	64QAM	1	37	22.20	22.38	22.26	23.10
15	64QAM	1	74	22.15	22.26	22.19	23.10
15	64QAM	36	0	21.33	21.47	21.44	22.10
15	64QAM	36	20	21.35	21.39	21.33	22.10
15	64QAM	36	39	21.04	21.30	21.22	22.10
15	64QAM	75	0	20.72	21.02	20.84	22.10
15	256QAM	1	0	18.98	19.06	18.99	20.10
15	256QAM	1	37	18.99	19.13	18.96	20.10
15	256QAM	1	74	18.98	19.07	18.94	20.10
15	256QAM	36	0	19.16	19.13	19.01	20.10
15	256QAM	36	20	18.99	19.07	18.99	20.10
15	256QAM	36	39	18.93	19.00	18.95	20.10
15	256QAM	75	0	18.92	19.07	18.88	20.10
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	24.10	24.16	24.11	25.10
10	QPSK	1	25	24.04	24.10	24.02	25.10
10	QPSK	1	49	23.89	24.08	23.98	25.10
10	QPSK	25	0	23.29	23.42	23.35	24.10
10	QPSK	25	12	23.17	23.21	23.15	24.10
10	QPSK	25	25	23.07	23.20	23.17	24.10
10	QPSK	50	0	23.38	23.39	23.31	24.10
10	16QAM	1	0	23.26	23.40	23.14	24.10
10	16QAM	1	25	23.17	23.30	23.24	24.10
10	16QAM	1	49	23.20	23.37	23.22	24.10
10	16QAM	25	0	22.31	22.56	22.36	23.10
10	16QAM	25	12	22.35	22.46	22.36	23.10
10	16QAM	25	25	22.36	22.45	22.31	23.10
10	16QAM	50	0	21.91	22.10	21.93	23.10
10	64QAM	1	0	22.28	22.38	22.33	23.10
10	64QAM	1	25	22.22	22.34	22.19	23.10
10	64QAM	1	49	22.16	22.28	22.13	23.10
10	64QAM	25	0	21.36	21.49	21.41	22.10
10	64QAM	25	12	21.41	21.46	21.32	22.10
10	64QAM	25	25	21.05	21.32	21.20	22.10
10	64QAM	50	0	20.76	21.02	20.77	22.10
10	256QAM	1	0	18.96	19.10	18.90	20.10
10	256QAM	1	25	18.97	19.06	19.01	20.10
10	256QAM	1	49	18.92	19.09	18.89	20.10
10	256QAM	25	0	19.18	19.20	19.03	20.10
10	256QAM	25	12	18.97	19.11	19.02	20.10
10	256QAM	25	25	18.93	19.07	18.87	20.10
10	256QAM	50	0	19.00	19.10	18.92	20.10
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	24.17	24.20	24.07	25.10
5	QPSK	1	12	24.04	24.17	24.01	25.10
5	QPSK	1	24	23.91	24.13	23.99	25.10
5	QPSK	12	0	23.34	23.38	23.40	24.10
5	QPSK	12	7	23.04	23.21	23.21	24.10
5	QPSK	12	13	23.01	23.29	23.14	24.10
5	QPSK	25	0	23.27	23.45	23.34	24.10
5	16QAM	1	0	23.25	23.35	23.18	24.10
5	16QAM	1	12	23.17	23.37	23.22	24.10
5	16QAM	1	24	23.15	23.38	23.26	24.10
5	16QAM	12	0	22.31	22.51	22.42	23.10
5	16QAM	12	7	22.38	22.47	22.41	23.10
5	16QAM	12	13	22.35	22.34	22.31	23.10
5	16QAM	25	0	21.88	22.02	21.90	23.10

5	64QAM	1	0	22.28	22.43	22.34	23.10
5	64QAM	1	12	22.14	22.31	22.26	23.10
5	64QAM	1	24	22.18	22.25	22.21	23.10
5	64QAM	12	0	21.39	21.53	21.46	22.10
5	64QAM	12	7	21.35	21.48	21.22	22.10
5	64QAM	12	13	21.11	21.23	21.16	22.10
5	64QAM	25	0	20.83	21.01	20.89	22.10
5	256QAM	1	0	19.04	19.09	19.00	20.10
5	256QAM	1	12	19.02	19.03	19.04	20.10
5	256QAM	1	24	18.98	19.12	18.87	20.10
5	256QAM	12	0	19.04	19.16	18.99	20.10
5	256QAM	12	7	18.99	19.08	18.97	20.10
5	256QAM	12	13	18.91	18.96	18.90	20.10
5	256QAM	25	0	18.97	19.08	18.95	20.10

【LTE Band 7_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.75	16.79	16.74	17.80
20	QPSK	1	49	16.59	16.68	16.68	17.80
20	QPSK	1	99	16.69	16.76	16.60	17.80
20	QPSK	50	0	16.68	16.70	16.56	17.80
20	QPSK	50	24	16.58	16.64	16.61	17.80
20	QPSK	50	50	16.54	16.69	16.54	17.80
20	QPSK	100	0	16.36	16.56	16.48	17.80
20	16QAM	1	0	16.55	16.65	16.70	17.80
20	16QAM	1	49	16.55	16.50	16.57	17.80
20	16QAM	1	99	16.58	16.48	16.54	17.80
20	16QAM	50	0	16.62	16.65	16.53	17.80
20	16QAM	50	24	16.63	16.53	16.68	17.80
20	16QAM	50	50	16.67	16.65	16.70	17.80
20	16QAM	100	0	16.53	16.67	16.70	17.80
20	64QAM	1	0	16.54	16.55	16.64	17.80
20	64QAM	1	49	16.58	16.62	16.76	17.80
20	64QAM	1	99	16.64	16.82	16.61	17.80
20	64QAM	50	0	16.63	16.67	16.66	17.80
20	64QAM	50	24	16.57	16.59	16.52	17.80
20	64QAM	50	50	16.59	16.73	16.75	17.80
20	64QAM	100	0	16.65	16.62	16.72	17.80
20	256QAM	1	0	16.58	16.80	16.62	17.80
20	256QAM	1	49	16.60	16.87	16.61	17.80
20	256QAM	1	99	16.75	16.64	16.67	17.80
20	256QAM	50	0	16.57	16.79	16.68	17.80
20	256QAM	50	24	16.48	16.70	16.64	17.80
20	256QAM	50	50	16.54	16.70	16.72	17.80
20	256QAM	100	0	16.62	16.74	16.63	17.80
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.69	16.75	16.70	17.80
15	QPSK	1	37	16.45	16.62	16.55	17.80
15	QPSK	1	74	16.61	16.67	16.48	17.80
15	QPSK	36	0	16.57	16.64	16.51	17.80
15	QPSK	36	20	16.45	16.53	16.49	17.80
15	QPSK	36	39	16.46	16.62	16.51	17.80
15	QPSK	75	0	16.26	16.51	16.47	17.80
15	16QAM	1	0	16.45	16.63	16.64	17.80
15	16QAM	1	37	16.41	16.37	16.42	17.80
15	16QAM	1	74	16.48	16.42	16.47	17.80
15	16QAM	36	0	16.52	16.61	16.47	17.80
15	16QAM	36	20	16.50	16.50	16.57	17.80
15	16QAM	36	39	16.66	16.51	16.62	17.80
15	16QAM	75	0	16.48	16.54	16.58	17.80
15	64QAM	1	0	16.49	16.44	16.55	17.80
15	64QAM	1	37	16.55	16.53	16.74	17.80
15	64QAM	1	74	16.57	16.76	16.55	17.80
15	64QAM	36	0	16.52	16.61	16.59	17.80
15	64QAM	36	20	16.42	16.44	16.49	17.80
15	64QAM	36	39	16.54	16.63	16.62	17.80
15	64QAM	75	0	16.50	16.47	16.59	17.80
15	256QAM	1	0	16.48	16.72	16.51	17.80
15	256QAM	1	37	16.56	16.81	16.54	17.80

15	256QAM	1	74	16.68	16.54	16.62	17.80
15	256QAM	36	0	16.47	16.65	16.61	17.80
15	256QAM	36	20	16.46	16.65	16.59	17.80
15	256QAM	36	39	16.39	16.55	16.60	17.80
15	256QAM	75	0	16.61	16.69	16.57	17.80
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.62	16.66	16.72	17.80
10	QPSK	1	25	16.51	16.61	16.61	17.80
10	QPSK	1	49	16.55	16.70	16.56	17.80
10	QPSK	25	0	16.65	16.55	16.53	17.80
10	QPSK	25	12	16.50	16.58	16.59	17.80
10	QPSK	25	25	16.43	16.58	16.52	17.80
10	QPSK	50	0	16.32	16.49	16.35	17.80
10	16QAM	1	0	16.46	16.55	16.66	17.80
10	16QAM	1	25	16.48	16.38	16.45	17.80
10	16QAM	1	49	16.51	16.36	16.41	17.80
10	16QAM	25	0	16.47	16.60	16.46	17.80
10	16QAM	25	12	16.51	16.48	16.56	17.80
10	16QAM	25	25	16.55	16.53	16.66	17.80
10	16QAM	50	0	16.44	16.66	16.64	17.80
10	64QAM	1	0	16.51	16.51	16.55	17.80
10	64QAM	1	25	16.56	16.50	16.64	17.80
10	64QAM	1	49	16.54	16.81	16.52	17.80
10	64QAM	25	0	16.53	16.61	16.61	17.80
10	64QAM	25	12	16.53	16.57	16.51	17.80
10	64QAM	25	25	16.46	16.69	16.67	17.80
10	64QAM	50	0	16.55	16.52	16.63	17.80
10	256QAM	1	0	16.43	16.71	16.53	17.80
10	256QAM	1	25	16.47	16.76	16.49	17.80
10	256QAM	1	49	16.65	16.54	16.64	17.80
10	256QAM	25	0	16.46	16.67	16.66	17.80
10	256QAM	25	12	16.42	16.56	16.52	17.80
10	256QAM	25	25	16.47	16.65	16.70	17.80
10	256QAM	50	0	16.48	16.72	16.51	17.80
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.68	16.73	16.63	17.80
5	QPSK	1	12	16.53	16.63	16.55	17.80
5	QPSK	1	24	16.66	16.74	16.47	17.80
5	QPSK	12	0	16.63	16.64	16.49	17.80
5	QPSK	12	7	16.47	16.55	16.56	17.80
5	QPSK	12	13	16.42	16.59	16.53	17.80
5	QPSK	25	0	16.31	16.47	16.46	17.80
5	16QAM	1	0	16.52	16.57	16.57	17.80
5	16QAM	1	12	16.42	16.37	16.47	17.80
5	16QAM	1	24	16.55	16.38	16.47	17.80
5	16QAM	12	0	16.60	16.59	16.45	17.80
5	16QAM	12	7	16.59	16.50	16.63	17.80
5	16QAM	12	13	16.64	16.53	16.65	17.80
5	16QAM	25	0	16.49	16.59	16.65	17.80
5	64QAM	1	0	16.49	16.43	16.57	17.80
5	64QAM	1	12	16.46	16.55	16.67	17.80
5	64QAM	1	24	16.55	16.76	16.50	17.80
5	64QAM	12	0	16.59	16.63	16.55	17.80
5	64QAM	12	7	16.54	16.50	16.51	17.80
5	64QAM	12	13	16.45	16.58	16.60	17.80
5	64QAM	25	0	16.56	16.56	16.67	17.80
5	256QAM	1	0	16.53	16.67	16.60	17.80
5	256QAM	1	12	16.53	16.79	16.55	17.80
5	256QAM	1	24	16.62	16.62	16.59	17.80
5	256QAM	12	0	16.45	16.66	16.64	17.80
5	256QAM	12	7	16.35	16.64	16.51	17.80
5	256QAM	12	13	16.52	16.68	16.67	17.80
5	256QAM	25	0	16.51	16.67	16.49	17.80

【LTE Band 7_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.08	24.25	24.15	25.10
20	QPSK	1	49	23.97	24.21	23.97	25.10



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20	QPSK	1	99	23.97	24.18	24.02	25.10
20	QPSK	50	0	23.30	23.55	23.41	24.10
20	QPSK	50	24	23.27	23.51	23.37	24.10
20	QPSK	50	50	23.14	23.36	23.20	24.10
20	QPSK	100	0	23.15	23.34	23.20	24.10
20	16QAM	1	0	23.12	23.42	23.25	24.10
20	16QAM	1	49	23.18	23.41	23.19	24.10
20	16QAM	1	99	23.20	23.38	23.22	24.10
20	16QAM	50	0	22.25	22.51	22.39	23.10
20	16QAM	50	24	22.13	22.43	22.19	23.10
20	16QAM	50	50	22.22	22.41	22.30	23.10
20	16QAM	100	0	22.05	22.34	22.15	23.10
20	64QAM	1	0	22.26	22.53	22.33	23.10
20	64QAM	1	49	22.17	22.42	22.27	23.10
20	64QAM	1	99	22.04	22.35	22.13	23.10
20	64QAM	50	0	21.22	21.49	21.31	22.10
20	64QAM	50	24	21.16	21.36	21.23	22.10
20	64QAM	50	50	21.05	21.29	21.18	22.10
20	64QAM	100	0	21.05	21.23	21.08	22.10
20	256QAM	1	0	19.07	19.30	19.11	20.10
20	256QAM	1	49	19.18	19.35	19.18	20.10
20	256QAM	1	99	19.00	19.25	19.06	20.10
20	256QAM	50	0	19.22	19.40	19.21	20.10
20	256QAM	50	24	19.14	19.31	19.18	20.10
20	256QAM	50	50	19.18	19.35	19.15	20.10
20	256QAM	100	0	19.13	19.31	19.12	20.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	24.00	24.21	24.05	25.10
15	QPSK	1	37	23.91	24.12	23.87	25.10
15	QPSK	1	74	23.82	24.13	23.98	25.10
15	QPSK	36	0	23.16	23.52	23.27	24.10
15	QPSK	36	20	23.24	23.48	23.32	24.10
15	QPSK	36	39	23.07	23.34	23.14	24.10
15	QPSK	75	0	23.08	23.30	23.06	24.10
15	16QAM	1	0	22.99	23.41	23.13	24.10
15	16QAM	1	37	23.08	23.34	23.09	24.10
15	16QAM	1	74	23.07	23.24	23.18	24.10
15	16QAM	36	0	22.12	22.36	22.28	23.10
15	16QAM	36	20	22.07	22.33	22.04	23.10
15	16QAM	36	39	22.10	22.30	22.27	23.10
15	16QAM	75	0	21.97	22.25	22.08	23.10
15	64QAM	1	0	22.15	22.41	22.32	23.10
15	64QAM	1	37	22.04	22.37	22.21	23.10
15	64QAM	1	74	21.94	22.30	22.12	23.10
15	64QAM	36	0	21.14	21.41	21.25	22.10
15	64QAM	36	20	21.06	21.27	21.10	22.10
15	64QAM	36	39	20.96	21.28	21.09	22.10
15	64QAM	75	0	20.98	21.13	21.07	22.10
15	256QAM	1	0	19.04	19.16	18.99	20.10
15	256QAM	1	37	19.12	19.23	19.15	20.10
15	256QAM	1	74	18.95	19.11	19.00	20.10
15	256QAM	36	0	19.09	19.34	19.16	20.10
15	256QAM	36	20	19.10	19.20	19.05	20.10
15	256QAM	36	39	19.12	19.32	19.06	20.10
15	256QAM	75	0	19.04	19.23	19.00	20.10
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.95	24.13	24.12	25.10
10	QPSK	1	25	23.90	24.08	23.92	25.10
10	QPSK	1	49	23.92	24.14	23.99	25.10
10	QPSK	25	0	23.17	23.43	23.35	24.10
10	QPSK	25	12	23.19	23.39	23.30	24.10
10	QPSK	25	25	23.07	23.24	23.12	24.10
10	QPSK	50	0	23.02	23.19	23.11	24.10
10	16QAM	1	0	23.02	23.30	23.13	24.10
10	16QAM	1	25	23.09	23.35	23.04	24.10
10	16QAM	1	49	23.06	23.28	23.16	24.10
10	16QAM	25	0	22.17	22.43	22.38	23.10
10	16QAM	25	12	22.02	22.41	22.05	23.10
10	16QAM	25	25	22.21	22.33	22.23	23.10
10	16QAM	50	0	21.98	22.25	22.07	23.10
10	64QAM	1	0	22.12	22.38	22.21	23.10
10	64QAM	1	25	22.09	22.30	22.18	23.10
10	64QAM	1	49	22.02	22.25	21.98	23.10
10	64QAM	25	0	21.10	21.44	21.17	22.10
10	64QAM	25	12	21.06	21.27	21.09	22.10
10	64QAM	25	25	21.03	21.18	21.05	22.10

10	64QAM	50	0	20.96	21.12	21.05	22.10
10	256QAM	1	0	19.03	19.24	18.98	20.10
10	256QAM	1	25	19.13	19.31	19.13	20.10
10	256QAM	1	49	18.90	19.17	19.04	20.10
10	256QAM	25	0	19.21	19.26	19.17	20.10
10	256QAM	25	12	19.04	19.19	19.10	20.10
10	256QAM	25	25	19.04	19.30	19.13	20.10
10	256QAM	50	0	19.10	19.29	19.06	20.10
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.98	24.19	24.03	25.10
5	QPSK	1	12	23.89	24.17	23.88	25.10
5	QPSK	1	24	23.93	24.14	23.95	25.10
5	QPSK	12	0	23.22	23.41	23.39	24.10
5	QPSK	12	7	23.23	23.45	23.29	24.10
5	QPSK	12	13	23.12	23.34	23.06	24.10
5	QPSK	25	0	23.06	23.22	23.11	24.10
5	16QAM	1	0	23.01	23.34	23.14	24.10
5	16QAM	1	12	23.13	23.32	23.05	24.10
5	16QAM	1	24	23.14	23.28	23.17	24.10
5	16QAM	12	0	22.11	22.42	22.34	23.10
5	16QAM	12	7	21.99	22.39	22.18	23.10
5	16QAM	12	13	22.14	22.38	22.19	23.10
5	16QAM	25	0	22.03	22.28	22.09	23.10
5	64QAM	1	0	22.25	22.39	22.23	23.10
5	64QAM	1	12	22.11	22.30	22.25	23.10
5	64QAM	1	24	21.95	22.25	22.06	23.10
5	64QAM	12	0	21.18	21.43	21.25	22.10
5	64QAM	12	7	21.12	21.30	21.20	22.10
5	64QAM	12	13	21.01	21.25	21.10	22.10
5	64QAM	25	0	20.97	21.14	21.04	22.10
5	256QAM	1	0	19.00	19.26	19.07	20.10
5	256QAM	1	12	19.15	19.30	19.03	20.10
5	256QAM	1	24	18.91	19.17	19.04	20.10
5	256QAM	12	0	19.19	19.36	19.11	20.10
5	256QAM	12	7	19.05	19.28	19.17	20.10
5	256QAM	12	13	19.17	19.29	19.05	20.10
5	256QAM	25	0	19.03	19.30	19.01	20.10

【LTE Band 7_Ant 8_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	24.08	24.25	24.15	25.10
20	QPSK	1	49	23.97	24.21	23.97	25.10
20	QPSK	1	99	23.97	24.18	24.02	25.10
20	QPSK	50	0	23.30	23.55	23.41	24.10
20	QPSK	50	24	23.27	23.51	23.37	24.10
20	QPSK	50	50	23.14	23.36	23.20	24.10
20	QPSK	100	0	23.15	23.34	23.20	24.10
20	16QAM	1	0	23.12	23.42	23.25	24.10
20	16QAM	1	49	23.18	23.41	23.19	24.10
20	16QAM	1	99	23.20	23.38	23.22	24.10
20	16QAM	50	0	22.25	22.51	22.39	23.10
20	16QAM	50	24	22.13	22.43	22.19	23.10
20	16QAM	50	50	22.22	22.41	22.30	23.10
20	16QAM	100	0	22.05	22.34	22.15	23.10
20	64QAM	1	0	22.26	22.53	22.33	23.10
20	64QAM	1	49	22.17	22.42	22.27	23.10
20	64QAM	1	99	22.04	22.35	22.13	23.10
20	64QAM	50	0	21.22	21.49	21.31	22.10
20	64QAM	50	24	21.16	21.36	21.23	22.10
20	64QAM	50	50	21.05	21.29	21.18	22.10
20	64QAM	100	0	21.05	21.23	21.08	22.10
20	256QAM	1	0	19.07	19.30	19.11	20.10
20	256QAM	1	49	19.18	19.35	19.18	20.10
20	256QAM	1	99	19.00	19.25	19.06	20.10
20	256QAM	50	0	19.22	19.40	19.21	20.10
20	256QAM	50	24	19.14	19.31	19.18	20.10
20	256QAM	50	50	19.18	19.35	19.15	20.10
20	256QAM	100	0	19.13	19.31	19.12	20.10
Channel				20825	21100	21375	Tune-up limit



Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	24.00	24.21	24.05	25.10
15	QPSK	1	37	23.91	24.12	23.87	25.10
15	QPSK	1	74	23.82	24.13	23.98	25.10
15	QPSK	36	0	23.16	23.52	23.27	24.10
15	QPSK	36	20	23.24	23.48	23.32	24.10
15	QPSK	36	39	23.07	23.34	23.14	24.10
15	QPSK	75	0	23.08	23.30	23.06	24.10
15	16QAM	1	0	22.99	23.41	23.13	24.10
15	16QAM	1	37	23.08	23.34	23.09	24.10
15	16QAM	1	74	23.07	23.24	23.18	24.10
15	16QAM	36	0	22.12	22.36	22.28	23.10
15	16QAM	36	20	22.07	22.33	22.04	23.10
15	16QAM	36	39	22.10	22.30	22.27	23.10
15	16QAM	75	0	21.97	22.25	22.08	23.10
15	64QAM	1	0	22.15	22.41	22.32	23.10
15	64QAM	1	37	22.04	22.37	22.21	23.10
15	64QAM	1	74	21.94	22.30	22.12	23.10
15	64QAM	36	0	21.14	21.41	21.25	22.10
15	64QAM	36	20	21.06	21.27	21.10	22.10
15	64QAM	36	39	20.96	21.28	21.09	22.10
15	64QAM	75	0	20.98	21.13	21.07	22.10
15	256QAM	1	0	19.04	19.16	18.99	20.10
15	256QAM	1	37	19.12	19.23	19.15	20.10
15	256QAM	1	74	18.95	19.11	19.00	20.10
15	256QAM	36	0	19.09	19.34	19.16	20.10
15	256QAM	36	20	19.10	19.20	19.05	20.10
15	256QAM	36	39	19.12	19.32	19.06	20.10
15	256QAM	75	0	19.04	19.23	19.00	20.10
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.95	24.13	24.12	25.10
10	QPSK	1	25	23.90	24.08	23.92	25.10
10	QPSK	1	49	23.92	24.14	23.99	25.10
10	QPSK	25	0	23.17	23.43	23.35	24.10
10	QPSK	25	12	23.19	23.39	23.30	24.10
10	QPSK	25	25	23.07	23.24	23.12	24.10
10	QPSK	50	0	23.02	23.19	23.11	24.10
10	16QAM	1	0	23.02	23.30	23.13	24.10
10	16QAM	1	25	23.09	23.35	23.04	24.10
10	16QAM	1	49	23.06	23.28	23.16	24.10
10	16QAM	25	0	22.17	22.43	22.38	23.10
10	16QAM	25	12	22.02	22.41	22.05	23.10
10	16QAM	25	25	22.21	22.33	22.23	23.10
10	16QAM	50	0	21.98	22.25	22.07	23.10
10	64QAM	1	0	22.12	22.38	22.21	23.10
10	64QAM	1	25	22.09	22.30	22.18	23.10
10	64QAM	1	49	22.02	22.25	21.98	23.10
10	64QAM	25	0	21.10	21.44	21.17	22.10
10	64QAM	25	12	21.06	21.27	21.09	22.10
10	64QAM	25	25	21.03	21.18	21.05	22.10
10	64QAM	50	0	20.96	21.12	21.05	22.10
10	256QAM	1	0	19.03	19.24	18.98	20.10
10	256QAM	1	25	19.13	19.31	19.13	20.10
10	256QAM	1	49	18.90	19.17	19.04	20.10
10	256QAM	25	0	19.21	19.26	19.17	20.10
10	256QAM	25	12	19.04	19.19	19.10	20.10
10	256QAM	25	25	19.04	19.30	19.13	20.10
10	256QAM	50	0	19.10	19.29	19.06	20.10
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.98	24.19	24.03	25.10
5	QPSK	1	12	23.89	24.17	23.88	25.10
5	QPSK	1	24	23.93	24.14	23.95	25.10
5	QPSK	12	0	23.22	23.41	23.39	24.10
5	QPSK	12	7	23.23	23.45	23.29	24.10
5	QPSK	12	13	23.12	23.34	23.06	24.10
5	QPSK	25	0	23.06	23.22	23.11	24.10
5	16QAM	1	0	23.01	23.34	23.14	24.10
5	16QAM	1	12	23.13	23.32	23.05	24.10
5	16QAM	1	24	23.14	23.28	23.17	24.10
5	16QAM	12	0	22.11	22.42	22.34	23.10
5	16QAM	12	7	21.99	22.39	22.18	23.10
5	16QAM	12	13	22.14	22.38	22.19	23.10
5	16QAM	25	0	22.03	22.28	22.09	23.10
5	64QAM	1	0	22.25	22.39	22.23	23.10
5	64QAM	1	12	22.11	22.30	22.25	23.10
5	64QAM	1	24	21.95	22.25	22.06	23.10

5	64QAM	12	0	21.18	21.43	21.25	22.10
5	64QAM	12	7	21.12	21.30	21.20	22.10
5	64QAM	12	13	21.01	21.25	21.10	22.10
5	64QAM	25	0	20.97	21.14	21.04	22.10
5	256QAM	1	0	19.00	19.26	19.07	20.10
5	256QAM	1	12	19.15	19.30	19.03	20.10
5	256QAM	1	24	18.91	19.17	19.04	20.10
5	256QAM	12	0	19.19	19.36	19.11	20.10
5	256QAM	12	7	19.05	19.28	19.17	20.10
5	256QAM	12	13	19.17	19.29	19.05	20.10
5	256QAM	25	0	19.03	19.30	19.01	20.10

【LTE Band 7_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	14.73	14.79	14.70	16.10
20	QPSK	1	49	14.62	14.62	14.65	16.10
20	QPSK	1	99	14.66	14.65	14.64	16.10
20	QPSK	50	0	14.71	14.79	14.63	16.10
20	QPSK	50	24	14.59	14.53	14.53	16.10
20	QPSK	50	50	14.56	14.68	14.52	16.10
20	QPSK	100	0	14.44	14.59	14.47	16.10
20	16QAM	1	0	14.47	14.55	14.67	16.10
20	16QAM	1	49	14.53	14.46	14.51	16.10
20	16QAM	1	99	14.51	14.49	14.61	16.10
20	16QAM	50	0	14.58	14.61	14.51	16.10
20	16QAM	50	24	14.61	14.55	14.72	16.10
20	16QAM	50	50	14.64	14.65	14.67	16.10
20	16QAM	100	0	14.54	14.69	14.62	16.10
20	64QAM	1	0	14.63	14.55	14.75	16.10
20	64QAM	1	49	14.54	14.62	14.73	16.10
20	64QAM	1	99	14.61	14.70	14.67	16.10
20	64QAM	50	0	14.60	14.76	14.57	16.10
20	64QAM	50	24	14.62	14.64	14.63	16.10
20	64QAM	50	50	14.57	14.68	14.70	16.10
20	64QAM	100	0	14.60	14.67	14.74	16.10
20	256QAM	1	0	14.53	14.80	14.59	16.10
20	256QAM	1	49	14.49	14.72	14.54	16.10
20	256QAM	1	99	14.74	14.65	14.68	16.10
20	256QAM	50	0	14.55	14.66	14.67	16.10
20	256QAM	50	24	14.55	14.60	14.67	16.10
20	256QAM	50	50	14.51	14.58	14.75	16.10
20	256QAM	100	0	14.63	14.58	14.71	16.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.70	14.71	14.62	16.10
15	QPSK	1	37	14.49	14.53	14.50	16.10
15	QPSK	1	74	14.57	14.56	14.51	16.10
15	QPSK	36	0	14.66	14.78	14.50	16.10
15	QPSK	36	20	14.49	14.49	14.50	16.10
15	QPSK	36	39	14.46	14.54	14.46	16.10
15	QPSK	75	0	14.41	14.56	14.37	16.10
15	16QAM	1	0	14.41	14.45	14.55	16.10
15	16QAM	1	37	14.39	14.38	14.45	16.10
15	16QAM	1	74	14.36	14.45	14.51	16.10
15	16QAM	36	0	14.51	14.59	14.46	16.10
15	16QAM	36	20	14.52	14.48	14.60	16.10
15	16QAM	36	39	14.63	14.53	14.56	16.10
15	16QAM	75	0	14.43	14.59	14.58	16.10
15	64QAM	1	0	14.52	14.53	14.67	16.10
15	64QAM	1	37	14.41	14.56	14.72	16.10
15	64QAM	1	74	14.49	14.65	14.53	16.10
15	64QAM	36	0	14.50	14.66	14.43	16.10
15	64QAM	36	20	14.60	14.62	14.49	16.10
15	64QAM	36	39	14.45	14.64	14.65	16.10
15	64QAM	75	0	14.49	14.60	14.64	16.10
15	256QAM	1	0	14.39	14.66	14.49	16.10
15	256QAM	1	37	14.42	14.60	14.48	16.10
15	256QAM	1	74	14.70	14.63	14.57	16.10
15	256QAM	36	0	14.52	14.63	14.61	16.10
15	256QAM	36	20	14.48	14.57	14.52	16.10

15	256QAM	36	39	14.43	14.43	14.69	16.10
15	256QAM	75	0	14.56	14.47	14.56	16.10
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.66	14.75	14.62	16.10
10	QPSK	1	25	14.54	14.60	14.61	16.10
10	QPSK	1	49	14.58	14.56	14.50	16.10
10	QPSK	25	0	14.63	14.73	14.58	16.10
10	QPSK	25	12	14.47	14.43	14.45	16.10
10	QPSK	25	25	14.55	14.66	14.50	16.10
10	QPSK	50	0	14.34	14.50	14.42	16.10
10	16QAM	1	0	14.36	14.54	14.62	16.10
10	16QAM	1	25	14.51	14.41	14.46	16.10
10	16QAM	1	49	14.40	14.36	14.59	16.10
10	16QAM	25	0	14.46	14.59	14.48	16.10
10	16QAM	25	12	14.58	14.49	14.60	16.10
10	16QAM	25	25	14.54	14.54	14.54	16.10
10	16QAM	50	0	14.52	14.60	14.52	16.10
10	64QAM	1	0	14.50	14.51	14.63	16.10
10	64QAM	1	25	14.50	14.48	14.62	16.10
10	64QAM	1	49	14.50	14.61	14.54	16.10
10	64QAM	25	0	14.53	14.69	14.44	16.10
10	64QAM	25	12	14.49	14.51	14.48	16.10
10	64QAM	25	25	14.49	14.63	14.61	16.10
10	64QAM	50	0	14.53	14.63	14.60	16.10
10	256QAM	1	0	14.49	14.79	14.58	16.10
10	256QAM	1	25	14.39	14.68	14.50	16.10
10	256QAM	1	49	14.62	14.62	14.57	16.10
10	256QAM	25	0	14.44	14.54	14.61	16.10
10	256QAM	25	12	14.43	14.48	14.63	16.10
10	256QAM	25	25	14.46	14.53	14.64	16.10
10	256QAM	50	0	14.55	14.46	14.58	16.10
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	14.71	14.74	14.61	16.10
5	QPSK	1	12	14.58	14.58	14.54	16.10
5	QPSK	1	24	14.54	14.55	14.57	16.10
5	QPSK	12	0	14.69	14.76	14.55	16.10
5	QPSK	12	7	14.47	14.47	14.44	16.10
5	QPSK	12	13	14.55	14.66	14.42	16.10
5	QPSK	25	0	14.32	14.45	14.43	16.10
5	16QAM	1	0	14.39	14.53	14.58	16.10
5	16QAM	1	12	14.42	14.43	14.36	16.10
5	16QAM	1	24	14.46	14.40	14.55	16.10
5	16QAM	12	0	14.50	14.55	14.49	16.10
5	16QAM	12	7	14.60	14.47	14.65	16.10
5	16QAM	12	13	14.52	14.55	14.58	16.10
5	16QAM	25	0	14.50	14.58	14.52	16.10
5	64QAM	1	0	14.51	14.54	14.73	16.10
5	64QAM	1	12	14.41	14.47	14.69	16.10
5	64QAM	1	24	14.47	14.61	14.63	16.10
5	64QAM	12	0	14.57	14.70	14.54	16.10
5	64QAM	12	7	14.55	14.52	14.51	16.10
5	64QAM	12	13	14.44	14.62	14.63	16.10
5	64QAM	25	0	14.53	14.60	14.63	16.10
5	256QAM	1	0	14.48	14.78	14.56	16.10
5	256QAM	1	12	14.40	14.68	14.48	16.10
5	256QAM	1	24	14.65	14.57	14.54	16.10
5	256QAM	12	0	14.54	14.55	14.59	16.10
5	256QAM	12	7	14.49	14.52	14.64	16.10
5	256QAM	12	13	14.39	14.50	14.62	16.10
5	256QAM	25	0	14.50	14.53	14.62	16.10

【LTE Band 12_Ant 8_Full power】

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	24.30	24.38	24.32	25.10
10	QPSK	1	25	24.11	24.26	24.08	25.10
10	QPSK	1	49	24.12	24.31	24.10	25.10
10	QPSK	25	0	23.12	23.32	23.18	24.10
10	QPSK	25	12	23.20	23.30	23.22	24.10



10	QPSK	25	25	23.11	23.25	23.09	24.10
10	QPSK	50	0	23.01	23.21	23.06	24.10
10	16QAM	1	0	23.59	23.69	23.49	24.10
10	16QAM	1	25	23.36	23.53	23.40	24.10
10	16QAM	1	49	23.37	23.49	23.33	24.10
10	16QAM	25	0	22.10	22.32	22.15	23.10
10	16QAM	25	12	22.09	22.23	22.10	23.10
10	16QAM	25	25	22.11	22.24	22.12	23.10
10	16QAM	50	0	22.18	22.28	22.16	23.10
10	64QAM	1	0	22.40	22.57	22.42	23.10
10	64QAM	1	25	22.30	22.43	22.31	23.10
10	64QAM	1	49	22.26	22.41	22.23	23.10
10	64QAM	25	0	21.24	21.35	21.25	22.10
10	64QAM	25	12	21.18	21.29	21.18	22.10
10	64QAM	25	25	21.13	21.25	21.18	22.10
10	64QAM	50	0	21.05	21.22	21.13	22.10
10	256QAM	1	0	19.11	19.28	19.17	20.10
10	256QAM	1	25	19.08	19.22	19.09	20.10
10	256QAM	1	49	19.01	19.15	18.96	20.10
10	256QAM	25	0	19.05	19.13	18.96	20.10
10	256QAM	25	12	18.99	19.16	19.05	20.10
10	256QAM	25	25	19.11	19.21	19.15	20.10
10	256QAM	50	0	18.96	19.14	18.98	20.10
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	24.16	24.33	24.29	25.10
5	QPSK	1	12	23.98	24.17	23.98	25.10
5	QPSK	1	24	24.04	24.24	24.04	25.10
5	QPSK	12	0	23.00	23.20	23.11	24.10
5	QPSK	12	7	23.10	23.22	23.08	24.10
5	QPSK	12	13	23.07	23.13	22.99	24.10
5	QPSK	25	0	23.00	23.06	22.99	24.10
5	16QAM	1	0	23.48	23.58	23.34	24.10
5	16QAM	1	12	23.25	23.45	23.26	24.10
5	16QAM	1	24	23.24	23.38	23.27	24.10
5	16QAM	12	0	21.97	22.27	22.07	23.10
5	16QAM	12	7	22.01	22.09	22.08	23.10
5	16QAM	12	13	21.98	22.16	22.04	23.10
5	16QAM	25	0	22.13	22.22	22.10	23.10
5	64QAM	1	0	22.32	22.53	22.32	23.10
5	64QAM	1	12	22.15	22.31	22.28	23.10
5	64QAM	1	24	22.13	22.34	22.14	23.10
5	64QAM	12	0	21.23	21.23	21.17	22.10
5	64QAM	12	7	21.06	21.18	21.16	22.10
5	64QAM	12	13	21.11	21.18	21.16	22.10
5	64QAM	25	0	20.98	21.15	21.07	22.10
5	256QAM	1	0	19.02	19.24	19.10	20.10
5	256QAM	1	12	18.99	19.19	19.02	20.10
5	256QAM	1	24	18.90	19.03	18.88	20.10
5	256QAM	12	0	18.90	19.01	18.82	20.10
5	256QAM	12	7	18.84	19.14	18.99	20.10
5	256QAM	12	13	19.10	19.10	19.03	20.10
5	256QAM	25	0	18.91	19.12	18.91	20.10
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	24.21	24.35	24.18	25.10
3	QPSK	1	8	23.99	24.16	23.97	25.10
3	QPSK	1	14	24.10	24.17	24.06	25.10
3	QPSK	8	0	22.99	23.26	23.10	24.10
3	QPSK	8	4	23.10	23.26	23.17	24.10
3	QPSK	8	7	23.07	23.16	23.00	24.10
3	QPSK	15	0	22.93	23.14	23.02	24.10
3	16QAM	1	0	23.49	23.56	23.37	24.10
3	16QAM	1	8	23.35	23.40	23.36	24.10
3	16QAM	1	14	23.36	23.46	23.27	24.10
3	16QAM	8	0	22.09	22.21	22.01	23.10
3	16QAM	8	4	22.08	22.22	21.99	23.10
3	16QAM	8	7	21.96	22.22	21.97	23.10
3	16QAM	15	0	22.12	22.16	22.08	23.10
3	64QAM	1	0	22.33	22.43	22.37	23.10
3	64QAM	1	8	22.25	22.30	22.26	23.10
3	64QAM	1	14	22.11	22.36	22.16	23.10
3	64QAM	8	0	21.17	21.31	21.17	22.10
3	64QAM	8	4	21.14	21.16	21.13	22.10
3	64QAM	8	7	21.11	21.12	21.15	22.10
3	64QAM	15	0	20.91	21.11	21.00	22.10
3	256QAM	1	0	19.07	19.21	19.12	20.10
3	256QAM	1	8	18.99	19.18	19.06	20.10

3	256QAM	1	14	18.96	19.11	18.89	20.10
3	256QAM	8	0	18.96	19.06	18.83	20.10
3	256QAM	8	4	18.87	19.13	18.95	20.10
3	256QAM	8	7	19.04	19.12	19.09	20.10
3	256QAM	15	0	18.87	19.06	18.93	20.10
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.24	24.37	24.28	25.10
1.4	QPSK	1	3	23.98	24.13	23.93	25.10
1.4	QPSK	1	5	24.01	24.23	23.95	25.10
1.4	QPSK	3	0	24.02	24.24	24.13	25.10
1.4	QPSK	3	1	24.19	24.16	24.20	25.10
1.4	QPSK	3	3	24.06	24.17	23.94	25.10
1.4	QPSK	6	0	22.99	23.11	22.91	24.10
1.4	16QAM	1	0	23.52	23.64	23.37	24.10
1.4	16QAM	1	3	23.29	23.42	23.25	24.10
1.4	16QAM	1	5	23.23	23.38	23.29	24.10
1.4	16QAM	3	0	23.05	23.20	23.06	24.10
1.4	16QAM	3	1	22.94	23.10	23.00	24.10
1.4	16QAM	3	3	23.02	23.10	23.10	24.10
1.4	16QAM	6	0	22.12	22.16	22.12	23.10
1.4	64QAM	1	0	22.34	22.56	22.32	23.10
1.4	64QAM	1	3	22.27	22.38	22.20	23.10
1.4	64QAM	1	5	22.23	22.31	22.21	23.10
1.4	64QAM	3	0	22.11	22.29	22.20	23.10
1.4	64QAM	3	1	22.16	22.16	22.15	23.10
1.4	64QAM	3	3	21.98	22.13	22.13	23.10
1.4	64QAM	6	0	21.02	21.15	21.02	22.10
1.4	256QAM	1	0	18.97	19.15	19.08	20.10
1.4	256QAM	1	3	18.97	19.09	18.95	20.10
1.4	256QAM	1	5	18.96	19.14	18.83	20.10
1.4	256QAM	3	0	18.97	19.03	18.82	20.10
1.4	256QAM	3	1	18.90	19.04	18.98	20.10
1.4	256QAM	3	3	19.01	19.12	19.06	20.10
1.4	256QAM	6	0	18.89	19.01	18.84	20.10

【LTE Band 12_Ant 8_DSI0】

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	24.30	24.38	24.32	25.10
10	QPSK	1	25	24.11	24.26	24.08	25.10
10	QPSK	1	49	24.12	24.31	24.10	25.10
10	QPSK	25	0	23.12	23.32	23.18	24.10
10	QPSK	25	12	23.20	23.30	23.22	24.10
10	QPSK	25	25	23.11	23.25	23.09	24.10
10	QPSK	50	0	23.01	23.21	23.06	24.10
10	16QAM	1	0	23.59	23.69	23.49	24.10
10	16QAM	1	25	23.36	23.53	23.40	24.10
10	16QAM	1	49	23.37	23.49	23.33	24.10
10	16QAM	25	0	22.10	22.32	22.15	23.10
10	16QAM	25	12	22.09	22.23	22.10	23.10
10	16QAM	25	25	22.11	22.24	22.12	23.10
10	16QAM	50	0	22.18	22.28	22.16	23.10
10	64QAM	1	0	22.40	22.57	22.42	23.10
10	64QAM	1	25	22.30	22.43	22.31	23.10
10	64QAM	1	49	22.26	22.41	22.23	23.10
10	64QAM	25	0	21.24	21.35	21.25	22.10
10	64QAM	25	12	21.18	21.29	21.18	22.10
10	64QAM	25	25	21.13	21.25	21.18	22.10
10	64QAM	50	0	21.05	21.22	21.13	22.10
10	256QAM	1	0	19.11	19.28	19.17	20.10
10	256QAM	1	25	19.08	19.22	19.09	20.10
10	256QAM	1	49	19.01	19.15	18.96	20.10
10	256QAM	25	0	19.05	19.13	18.96	20.10
10	256QAM	25	12	18.99	19.16	19.05	20.10
10	256QAM	25	25	19.11	19.21	19.15	20.10
10	256QAM	50	0	18.96	19.14	18.98	20.10
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.16	24.33	24.29	25.10
5	QPSK	1	12	23.98	24.17	23.98	25.10

5	QPSK	1	24	24.04	24.24	24.04	25.10
5	QPSK	12	0	23.00	23.20	23.11	24.10
5	QPSK	12	7	23.10	23.22	23.08	24.10
5	QPSK	12	13	23.07	23.13	22.99	24.10
5	QPSK	25	0	23.00	23.06	22.99	24.10
5	16QAM	1	0	23.48	23.58	23.34	24.10
5	16QAM	1	12	23.25	23.45	23.26	24.10
5	16QAM	1	24	23.24	23.38	23.27	24.10
5	16QAM	12	0	21.97	22.27	22.07	23.10
5	16QAM	12	7	22.01	22.09	22.08	23.10
5	16QAM	12	13	21.98	22.16	22.04	23.10
5	16QAM	25	0	22.13	22.22	22.10	23.10
5	64QAM	1	0	22.32	22.53	22.32	23.10
5	64QAM	1	12	22.15	22.31	22.28	23.10
5	64QAM	1	24	22.13	22.34	22.14	23.10
5	64QAM	12	0	21.23	21.23	21.17	22.10
5	64QAM	12	7	21.06	21.18	21.16	22.10
5	64QAM	12	13	21.11	21.18	21.16	22.10
5	64QAM	25	0	20.98	21.15	21.07	22.10
5	256QAM	1	0	19.02	19.24	19.10	20.10
5	256QAM	1	12	18.99	19.19	19.02	20.10
5	256QAM	1	24	18.90	19.03	18.88	20.10
5	256QAM	12	0	18.90	19.01	18.82	20.10
5	256QAM	12	7	18.84	19.14	18.99	20.10
5	256QAM	12	13	19.10	19.10	19.03	20.10
5	256QAM	25	0	18.91	19.12	18.91	20.10
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.21	24.35	24.18	25.10
3	QPSK	1	8	23.99	24.16	23.97	25.10
3	QPSK	1	14	24.10	24.17	24.06	25.10
3	QPSK	8	0	22.99	23.26	23.10	24.10
3	QPSK	8	4	23.10	23.26	23.17	24.10
3	QPSK	8	7	23.07	23.16	23.00	24.10
3	QPSK	15	0	22.93	23.14	23.02	24.10
3	16QAM	1	0	23.49	23.56	23.37	24.10
3	16QAM	1	8	23.35	23.40	23.36	24.10
3	16QAM	1	14	23.36	23.46	23.27	24.10
3	16QAM	8	0	22.09	22.21	22.01	23.10
3	16QAM	8	4	22.08	22.22	21.99	23.10
3	16QAM	8	7	21.96	22.22	21.97	23.10
3	16QAM	15	0	22.12	22.16	22.08	23.10
3	64QAM	1	0	22.33	22.43	22.37	23.10
3	64QAM	1	8	22.25	22.30	22.26	23.10
3	64QAM	1	14	22.11	22.36	22.16	23.10
3	64QAM	8	0	21.17	21.31	21.17	22.10
3	64QAM	8	4	21.14	21.16	21.13	22.10
3	64QAM	8	7	21.11	21.12	21.15	22.10
3	64QAM	15	0	20.91	21.11	21.00	22.10
3	256QAM	1	0	19.07	19.21	19.12	20.10
3	256QAM	1	8	18.99	19.18	19.06	20.10
3	256QAM	1	14	18.96	19.11	18.89	20.10
3	256QAM	8	0	18.96	19.06	18.83	20.10
3	256QAM	8	4	18.87	19.13	18.95	20.10
3	256QAM	8	7	19.04	19.12	19.09	20.10
3	256QAM	15	0	18.87	19.06	18.93	20.10
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	24.24	24.37	24.28	25.10
1.4	QPSK	1	3	23.98	24.13	23.93	25.10
1.4	QPSK	1	5	24.01	24.23	23.95	25.10
1.4	QPSK	3	0	24.02	24.24	24.13	25.10
1.4	QPSK	3	1	24.19	24.16	24.20	25.10
1.4	QPSK	3	3	24.06	24.17	23.94	25.10
1.4	QPSK	6	0	22.99	23.11	22.91	24.10
1.4	16QAM	1	0	23.52	23.64	23.37	24.10
1.4	16QAM	1	3	23.29	23.42	23.25	24.10
1.4	16QAM	1	5	23.23	23.38	23.29	24.10
1.4	16QAM	3	0	23.05	23.20	23.06	24.10
1.4	16QAM	3	1	22.94	23.10	23.00	24.10
1.4	16QAM	3	3	23.02	23.10	23.10	24.10
1.4	16QAM	6	0	22.12	22.16	22.12	23.10
1.4	64QAM	1	0	22.34	22.56	22.32	23.10
1.4	64QAM	1	3	22.27	22.38	22.20	23.10
1.4	64QAM	1	5	22.23	22.31	22.21	23.10
1.4	64QAM	3	0	22.11	22.29	22.20	23.10
1.4	64QAM	3	1	22.16	22.16	22.15	23.10
1.4	64QAM	3	3	21.98	22.13	22.13	23.10

1.4	64QAM	6	0	21.02	21.15	21.02	22.10
1.4	256QAM	1	0	18.97	19.15	19.08	20.10
1.4	256QAM	1	3	18.97	19.09	18.95	20.10
1.4	256QAM	1	5	18.96	19.14	18.83	20.10
1.4	256QAM	3	0	18.97	19.03	18.82	20.10
1.4	256QAM	3	1	18.90	19.04	18.98	20.10
1.4	256QAM	3	3	19.01	19.12	19.06	20.10
1.4	256QAM	6	0	18.89	19.01	18.84	20.10

【LTE Band 12_Ant 8_DSI7】

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	20.57	20.69	20.46	22.00
10	QPSK	1	25	20.59	20.62	20.54	22.00
10	QPSK	1	49	20.51	20.61	20.53	22.00
10	QPSK	25	0	20.44	20.60	20.54	22.00
10	QPSK	25	12	20.51	20.60	20.51	22.00
10	QPSK	25	25	20.40	20.49	20.38	22.00
10	QPSK	50	0	20.44	20.51	20.61	22.00
10	16QAM	1	0	20.49	20.41	20.45	22.00
10	16QAM	1	25	20.47	20.47	20.53	22.00
10	16QAM	1	49	20.50	20.46	20.43	22.00
10	16QAM	25	0	20.64	20.50	20.58	22.00
10	16QAM	25	12	20.53	20.51	20.55	22.00
10	16QAM	25	25	20.49	20.68	20.67	22.00
10	16QAM	50	0	20.55	20.57	20.54	22.00
10	64QAM	1	0	20.47	20.58	20.66	22.00
10	64QAM	1	25	20.63	20.61	20.56	22.00
10	64QAM	1	49	20.57	20.66	20.51	22.00
10	64QAM	25	0	20.44	20.54	20.55	22.00
10	64QAM	25	12	20.40	20.66	20.66	22.00
10	64QAM	25	25	20.60	20.55	20.62	22.00
10	64QAM	50	0	20.57	20.61	20.46	22.00
10	256QAM	1	0	18.41	18.58	18.47	20.00
10	256QAM	1	25	18.38	18.52	18.39	20.00
10	256QAM	1	49	18.31	18.45	18.26	20.00
10	256QAM	25	0	18.35	18.43	18.26	20.00
10	256QAM	25	12	18.29	18.46	18.35	20.00
10	256QAM	25	25	18.41	18.51	18.45	20.00
10	256QAM	50	0	18.26	18.44	18.28	20.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.50	20.65	20.32	22.00
5	QPSK	1	12	20.50	20.55	20.51	22.00
5	QPSK	1	24	20.42	20.51	20.48	22.00
5	QPSK	12	0	20.35	20.47	20.47	22.00
5	QPSK	12	7	20.36	20.56	20.36	22.00
5	QPSK	12	13	20.38	20.44	20.23	22.00
5	QPSK	25	0	20.30	20.42	20.60	22.00
5	16QAM	1	0	20.45	20.37	20.31	22.00
5	16QAM	1	12	20.42	20.40	20.43	22.00
5	16QAM	1	24	20.47	20.36	20.33	22.00
5	16QAM	12	0	20.55	20.43	20.46	22.00
5	16QAM	12	7	20.52	20.39	20.42	22.00
5	16QAM	12	13	20.44	20.66	20.64	22.00
5	16QAM	25	0	20.40	20.43	20.48	22.00
5	64QAM	1	0	20.40	20.56	20.56	22.00
5	64QAM	1	12	20.53	20.56	20.50	22.00
5	64QAM	1	24	20.53	20.62	20.39	22.00
5	64QAM	12	0	20.32	20.41	20.46	22.00
5	64QAM	12	7	20.36	20.57	20.55	22.00
5	64QAM	12	13	20.47	20.54	20.60	22.00
5	64QAM	25	0	20.48	20.49	20.43	22.00
5	256QAM	1	0	18.27	18.49	18.40	20.00
5	256QAM	1	12	18.27	18.50	18.33	20.00
5	256QAM	1	24	18.21	18.38	18.16	20.00
5	256QAM	12	0	18.31	18.37	18.14	20.00
5	256QAM	12	7	18.19	18.38	18.25	20.00
5	256QAM	12	13	18.37	18.45	18.37	20.00
5	256QAM	25	0	18.21	18.37	18.16	20.00
Channel				23025	23095	23165	Tune-up limit

Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	20.43	20.64	20.35	22.00
3	QPSK	1	8	20.47	20.60	20.42	22.00
3	QPSK	1	14	20.49	20.48	20.43	22.00
3	QPSK	8	0	20.30	20.49	20.49	22.00
3	QPSK	8	4	20.45	20.57	20.44	22.00
3	QPSK	8	7	20.36	20.41	20.27	22.00
3	QPSK	15	0	20.32	20.46	20.52	22.00
3	16QAM	1	0	20.36	20.28	20.43	22.00
3	16QAM	1	8	20.45	20.34	20.51	22.00
3	16QAM	1	14	20.38	20.35	20.36	22.00
3	16QAM	8	0	20.58	20.40	20.55	22.00
3	16QAM	8	4	20.49	20.45	20.51	22.00
3	16QAM	8	7	20.41	20.64	20.53	22.00
3	16QAM	15	0	20.42	20.54	20.40	22.00
3	64QAM	1	0	20.36	20.46	20.53	22.00
3	64QAM	1	8	20.61	20.46	20.53	22.00
3	64QAM	1	14	20.52	20.65	20.41	22.00
3	64QAM	8	0	20.31	20.47	20.50	22.00
3	64QAM	8	4	20.31	20.56	20.52	22.00
3	64QAM	8	7	20.51	20.46	20.53	22.00
3	64QAM	15	0	20.49	20.52	20.34	22.00
3	256QAM	1	0	18.39	18.50	18.38	20.00
3	256QAM	1	8	18.33	18.40	18.29	20.00
3	256QAM	1	14	18.30	18.36	18.12	20.00
3	256QAM	8	0	18.27	18.33	18.18	20.00
3	256QAM	8	4	18.14	18.42	18.34	20.00
3	256QAM	8	7	18.27	18.46	18.37	20.00
3	256QAM	15	0	18.20	18.38	18.15	20.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	20.53	20.62	20.33	22.00
1.4	QPSK	1	3	20.56	20.49	20.41	22.00
1.4	QPSK	1	5	20.39	20.53	20.43	22.00
1.4	QPSK	3	0	20.41	20.55	20.44	22.00
1.4	QPSK	3	1	20.43	20.46	20.43	22.00
1.4	QPSK	3	3	20.26	20.41	20.25	22.00
1.4	QPSK	6	0	19.33	19.41	19.59	21.00
1.4	16QAM	1	0	19.38	19.38	19.30	21.00
1.4	16QAM	1	3	19.43	19.39	19.47	21.00
1.4	16QAM	1	5	19.41	19.44	19.37	21.00
1.4	16QAM	3	0	19.54	19.42	19.54	21.00
1.4	16QAM	3	1	19.48	19.50	19.42	21.00
1.4	16QAM	3	3	19.40	19.55	19.63	21.00
1.4	16QAM	6	0	18.44	18.45	18.40	20.00
1.4	64QAM	1	0	18.44	18.44	18.58	20.00
1.4	64QAM	1	3	18.49	18.57	18.50	20.00
1.4	64QAM	1	5	18.48	18.64	18.48	20.00
1.4	64QAM	3	0	18.41	18.40	18.49	20.00
1.4	64QAM	3	1	18.33	18.57	18.59	20.00
1.4	64QAM	3	3	18.59	18.51	18.54	20.00
1.4	64QAM	6	0	17.52	17.49	17.36	19.00
1.4	256QAM	1	0	15.31	15.45	15.36	17.00
1.4	256QAM	1	3	15.37	15.47	15.34	17.00
1.4	256QAM	1	5	15.30	15.32	15.25	17.00
1.4	256QAM	3	0	15.24	15.29	15.23	17.00
1.4	256QAM	3	1	15.26	15.31	15.22	17.00
1.4	256QAM	3	3	15.37	15.48	15.35	17.00
1.4	256QAM	6	0	15.16	15.33	15.15	17.00

【LTE Band 13_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.78		24.50
10	QPSK	1	25		23.76		24.50
10	QPSK	1	49		23.71		24.50
10	QPSK	25	0		22.77		23.50
10	QPSK	25	12		22.66		23.50
10	QPSK	25	25		22.67		23.50
10	QPSK	50	0		22.71		23.50
10	16QAM	1	0		23.15		23.50



10	16QAM	1	25		23.10		23.50
10	16QAM	1	49		23.07		23.50
10	16QAM	25	0		21.75		22.50
10	16QAM	25	12		21.64		22.50
10	16QAM	25	25		21.68		22.50
10	16QAM	50	0		21.69		22.50
10	64QAM	1	0		22.02		22.50
10	64QAM	1	25		21.91		22.50
10	64QAM	1	49		21.89		22.50
10	64QAM	25	0		20.71		21.50
10	64QAM	25	12		20.59		21.50
10	64QAM	25	25		20.61		21.50
10	64QAM	50	0		20.60		21.50
10	256QAM	1	0		18.69		19.50
10	256QAM	1	25		18.69		19.50
10	256QAM	1	49		18.66		19.50
10	256QAM	25	0		18.80		19.50
10	256QAM	25	12		18.67		19.50
10	256QAM	25	25		18.64		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.64	23.71	23.62	24.50
5	QPSK	1	12	23.44	23.59	23.41	24.50
5	QPSK	1	24	23.37	23.55	23.32	24.50
5	QPSK	12	0	22.63	22.77	22.67	23.50
5	QPSK	12	7	22.46	22.57	22.43	23.50
5	QPSK	12	13	22.43	22.52	22.33	23.50
5	QPSK	25	0	22.39	22.57	22.39	23.50
5	16QAM	1	0	22.92	23.05	22.85	23.50
5	16QAM	1	12	22.92	23.00	22.85	23.50
5	16QAM	1	24	22.94	23.02	22.87	23.50
5	16QAM	12	0	21.48	21.69	21.48	22.50
5	16QAM	12	7	21.35	21.53	21.40	22.50
5	16QAM	12	13	21.36	21.55	21.42	22.50
5	16QAM	25	0	21.40	21.60	21.49	22.50
5	64QAM	1	0	21.78	21.86	21.70	22.50
5	64QAM	1	12	21.68	21.89	21.75	22.50
5	64QAM	1	24	21.64	21.72	21.52	22.50
5	64QAM	12	0	20.36	20.55	20.40	21.50
5	64QAM	12	7	20.28	20.45	20.25	21.50
5	64QAM	12	13	20.33	20.48	20.38	21.50
5	64QAM	25	0	20.28	20.43	20.28	21.50
5	256QAM	1	0	18.59	18.70	18.60	19.50
5	256QAM	1	12	18.60	18.72	18.63	19.50
5	256QAM	1	24	18.55	18.64	18.47	19.50
5	256QAM	12	0	18.54	18.72	18.62	19.50
5	256QAM	12	7	18.46	18.64	18.52	19.50
5	256QAM	12	13	18.49	18.66	18.56	19.50
5	256QAM	25	0	18.58	18.71	18.49	19.50

【LTE Band 13_Ant 8_DSI0】

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		Tune-up limit (dBm)
Frequency (MHz)					782		
10	QPSK	1	0		23.78		24.50
10	QPSK	1	25		23.76		24.50
10	QPSK	1	49		23.71		24.50
10	QPSK	25	0		22.77		23.50
10	QPSK	25	12		22.66		23.50
10	QPSK	25	25		22.67		23.50
10	QPSK	50	0		22.71		23.50
10	16QAM	1	0		23.15		23.50
10	16QAM	1	25		23.10		23.50
10	16QAM	1	49		23.07		23.50
10	16QAM	25	0		21.75		22.50
10	16QAM	25	12		21.64		22.50
10	16QAM	25	25		21.68		22.50
10	16QAM	50	0		21.69		22.50
10	64QAM	1	0		22.02		22.50
10	64QAM	1	25		21.91		22.50
10	64QAM	1	49		21.89		22.50
10	64QAM	25	0		20.71		21.50
10	64QAM	25	12		20.59		21.50
10	64QAM	25	25		20.61		21.50
10	64QAM	50	0		20.60		21.50
10	256QAM	1	0		18.69		19.50
10	256QAM	1	25		18.69		19.50
10	256QAM	1	49		18.66		19.50
10	256QAM	25	0		18.80		19.50
10	256QAM	25	12		18.67		19.50
10	256QAM	25	25		18.64		19.50
10	256QAM	50	0		18.72		19.50
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.64	23.71	23.62	24.50
5	QPSK	1	12	23.44	23.59	23.41	24.50
5	QPSK	1	24	23.37	23.55	23.32	24.50
5	QPSK	12	0	22.63	22.77	22.67	23.50
5	QPSK	12	7	22.46	22.57	22.43	23.50
5	QPSK	12	13	22.43	22.52	22.33	23.50
5	QPSK	25	0	22.39	22.57	22.39	23.50
5	16QAM	1	0	22.92	23.05	22.85	23.50
5	16QAM	1	12	22.92	23.00	22.85	23.50
5	16QAM	1	24	22.94	23.02	22.87	23.50
5	16QAM	12	0	21.48	21.69	21.48	22.50
5	16QAM	12	7	21.35	21.53	21.40	22.50
5	16QAM	12	13	21.36	21.55	21.42	22.50
5	16QAM	25	0	21.40	21.60	21.49	22.50
5	64QAM	1	0	21.78	21.86	21.70	22.50
5	64QAM	1	12	21.68	21.89	21.75	22.50
5	64QAM	1	24	21.64	21.72	21.52	22.50
5	64QAM	12	0	20.36	20.55	20.40	21.50
5	64QAM	12	7	20.28	20.45	20.25	21.50
5	64QAM	12	13	20.33	20.48	20.38	21.50
5	64QAM	25	0	20.28	20.43	20.28	21.50
5	256QAM	1	0	18.59	18.70	18.60	19.50
5	256QAM	1	12	18.60	18.72	18.63	19.50
5	256QAM	1	24	18.55	18.64	18.47	19.50
5	256QAM	12	0	18.54	18.72	18.62	19.50
5	256QAM	12	7	18.46	18.64	18.52	19.50
5	256QAM	12	13	18.49	18.66	18.56	19.50
5	256QAM	25	0	18.58	18.71	18.49	19.50

【LTE Band 13_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		20.84		22.00
10	QPSK	1	25		20.69		22.00
10	QPSK	1	49		20.80		22.00
10	QPSK	25	0		20.80		22.00
10	QPSK	25	12		20.69		22.00
10	QPSK	25	25		20.69		22.00
10	QPSK	50	0		20.60		22.00
10	16QAM	1	0		20.63		22.00
10	16QAM	1	25		20.53		22.00
10	16QAM	1	49		20.49		22.00
10	16QAM	25	0		20.63		22.00
10	16QAM	25	12		20.62		22.00
10	16QAM	25	25		20.58		22.00
10	16QAM	50	0		20.69		22.00
10	64QAM	1	0		20.69		22.00
10	64QAM	1	25		20.60		22.00
10	64QAM	1	49		20.70		22.00
10	64QAM	25	0		20.72		22.00
10	64QAM	25	12		20.70		22.00
10	64QAM	25	25		20.70		22.00
10	64QAM	50	0		20.66		22.00
10	256QAM	1	0		18.69		20.00
10	256QAM	1	25		18.69		20.00
10	256QAM	1	49		18.66		20.00
10	256QAM	25	0		18.80		20.00
10	256QAM	25	12		18.67		20.00
10	256QAM	25	25		18.64		20.00
10	256QAM	50	0		18.72		20.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	20.76	20.72	20.71	22.00
5	QPSK	1	12	20.47	20.58	20.49	22.00
5	QPSK	1	24	20.68	20.66	20.62	22.00
5	QPSK	12	0	20.55	20.65	20.56	22.00
5	QPSK	12	7	20.51	20.56	20.52	22.00
5	QPSK	12	13	20.64	20.65	20.63	22.00
5	QPSK	25	0	20.40	20.48	20.38	22.00
5	16QAM	1	0	20.39	20.48	20.40	22.00
5	16QAM	1	12	20.34	20.41	20.34	22.00
5	16QAM	1	24	20.32	20.39	20.37	22.00
5	16QAM	12	0	20.46	20.47	20.41	22.00
5	16QAM	12	7	20.47	20.57	20.48	22.00
5	16QAM	12	13	20.43	20.51	20.37	22.00
5	16QAM	25	0	20.52	20.59	20.45	22.00
5	64QAM	1	0	20.55	20.53	20.50	22.00
5	64QAM	1	12	20.49	20.50	20.39	22.00
5	64QAM	1	24	20.45	20.55	20.50	22.00
5	64QAM	12	0	20.51	20.55	20.42	22.00
5	64QAM	12	7	20.58	20.58	20.42	22.00
5	64QAM	12	13	20.58	20.57	20.51	22.00
5	64QAM	25	0	20.54	20.63	20.55	22.00
5	256QAM	1	0	18.55	18.58	18.44	20.00
5	256QAM	1	12	18.57	18.66	18.62	20.00
5	256QAM	1	24	18.55	18.58	18.42	20.00
5	256QAM	12	0	18.57	18.66	18.59	20.00
5	256QAM	12	7	18.58	18.63	18.60	20.00
5	256QAM	12	13	18.45	18.52	18.50	20.00
5	256QAM	25	0	18.57	18.61	18.52	20.00



【LTE Band 14_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		
Frequency (MHz)					793		
10	QPSK	1	0		23.77		24.50
10	QPSK	1	25		23.61		24.50
10	QPSK	1	49		23.63		24.50
10	QPSK	25	0		22.75		23.50
10	QPSK	25	12		22.68		23.50
10	QPSK	25	25		22.73		23.50
10	QPSK	50	0		22.53		23.50
10	16QAM	1	0		23.11		23.50
10	16QAM	1	25		22.93		23.50
10	16QAM	1	49		22.99		23.50
10	16QAM	25	0		21.73		22.50
10	16QAM	25	12		21.66		22.50
10	16QAM	25	25		21.63		22.50
10	16QAM	50	0		21.58		22.50
10	64QAM	1	0		21.89		22.50
10	64QAM	1	25		21.67		22.50
10	64QAM	1	49		21.80		22.50
10	64QAM	25	0		20.68		21.50
10	64QAM	25	12		20.66		21.50
10	64QAM	25	25		20.64		21.50
10	64QAM	50	0		20.62		21.50
10	256QAM	1	0		18.47		19.50
10	256QAM	1	25		18.51		19.50
10	256QAM	1	49		18.56		19.50
10	256QAM	25	0		18.68		19.50
10	256QAM	25	12		18.52		19.50
10	256QAM	25	25		18.53		19.50
10	256QAM	50	0		18.56		19.50
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.64	23.75	23.73	24.50
5	QPSK	1	12	23.37	23.54	23.38	24.50
5	QPSK	1	24	23.21	23.45	23.36	24.50
5	QPSK	12	0	22.33	22.52	22.35	23.50
5	QPSK	12	7	22.26	22.48	22.39	23.50
5	QPSK	12	13	22.43	22.58	22.52	23.50
5	QPSK	25	0	22.07	22.31	22.19	23.50
5	16QAM	1	0	22.78	23.01	22.96	23.50
5	16QAM	1	12	22.64	22.81	22.71	23.50
5	16QAM	1	24	22.79	22.92	22.78	23.50
5	16QAM	12	0	21.47	21.58	21.43	22.50
5	16QAM	12	7	21.35	21.49	21.43	22.50
5	16QAM	12	13	21.38	21.53	21.49	22.50
5	16QAM	25	0	21.16	21.40	21.33	22.50
5	64QAM	1	0	21.61	21.77	21.74	22.50
5	64QAM	1	12	21.49	21.63	21.58	22.50
5	64QAM	1	24	21.35	21.59	21.53	22.50
5	64QAM	12	0	20.44	20.63	20.48	21.50
5	64QAM	12	7	20.34	20.56	20.49	21.50
5	64QAM	12	13	20.27	20.49	20.34	21.50
5	64QAM	25	0	20.42	20.54	20.51	21.50
5	256QAM	1	0	18.27	18.50	18.39	19.50
5	256QAM	1	12	18.34	18.50	18.39	19.50
5	256QAM	1	24	18.47	18.62	18.54	19.50
5	256QAM	12	0	18.51	18.70	18.61	19.50
5	256QAM	12	7	18.30	18.46	18.35	19.50
5	256QAM	12	13	18.30	18.50	18.43	19.50
5	256QAM	25	0	18.41	18.53	18.47	19.50

【LTE Band 14_Ant 8_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		Tune-up limit (dBm)
Frequency (MHz)					793		
10	QPSK	1	0		23.77		24.50
10	QPSK	1	25		23.61		24.50
10	QPSK	1	49		23.63		24.50
10	QPSK	25	0		22.75		23.50
10	QPSK	25	12		22.68		23.50
10	QPSK	25	25		22.73		23.50
10	QPSK	50	0		22.53		23.50
10	16QAM	1	0		23.11		23.50
10	16QAM	1	25		22.93		23.50
10	16QAM	1	49		22.99		23.50
10	16QAM	25	0		21.73		22.50
10	16QAM	25	12		21.66		22.50
10	16QAM	25	25		21.63		22.50
10	16QAM	50	0		21.58		22.50
10	64QAM	1	0		21.89		22.50
10	64QAM	1	25		21.67		22.50
10	64QAM	1	49		21.80		22.50
10	64QAM	25	0		20.68		21.50
10	64QAM	25	12		20.66		21.50
10	64QAM	25	25		20.64		21.50
10	64QAM	50	0		20.62		21.50
10	256QAM	1	0		18.47		19.50
10	256QAM	1	25		18.51		19.50
10	256QAM	1	49		18.56		19.50
10	256QAM	25	0		18.68		19.50
10	256QAM	25	12		18.52		19.50
10	256QAM	25	25		18.53		19.50
10	256QAM	50	0		18.56		19.50
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.64	23.75	23.73	24.50
5	QPSK	1	12	23.37	23.54	23.38	24.50
5	QPSK	1	24	23.21	23.45	23.36	24.50
5	QPSK	12	0	22.33	22.52	22.35	23.50
5	QPSK	12	7	22.26	22.48	22.39	23.50
5	QPSK	12	13	22.43	22.58	22.52	23.50
5	QPSK	25	0	22.07	22.31	22.19	23.50
5	16QAM	1	0	22.78	23.01	22.96	23.50
5	16QAM	1	12	22.64	22.81	22.71	23.50
5	16QAM	1	24	22.79	22.92	22.78	23.50
5	16QAM	12	0	21.47	21.58	21.43	22.50
5	16QAM	12	7	21.35	21.49	21.43	22.50
5	16QAM	12	13	21.38	21.53	21.49	22.50
5	16QAM	25	0	21.16	21.40	21.33	22.50
5	64QAM	1	0	21.61	21.77	21.74	22.50
5	64QAM	1	12	21.49	21.63	21.58	22.50
5	64QAM	1	24	21.35	21.59	21.53	22.50
5	64QAM	12	0	20.44	20.63	20.48	21.50
5	64QAM	12	7	20.34	20.56	20.49	21.50
5	64QAM	12	13	20.27	20.49	20.34	21.50
5	64QAM	25	0	20.42	20.54	20.51	21.50
5	256QAM	1	0	18.27	18.50	18.39	19.50
5	256QAM	1	12	18.34	18.50	18.39	19.50
5	256QAM	1	24	18.47	18.62	18.54	19.50
5	256QAM	12	0	18.51	18.70	18.61	19.50
5	256QAM	12	7	18.30	18.46	18.35	19.50
5	256QAM	12	13	18.30	18.50	18.43	19.50
5	256QAM	25	0	18.41	18.53	18.47	19.50

【LTE Band 14_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23330		Tune-up limit (dBm)
Frequency (MHz)					793		
10	QPSK	1	0		20.88		22.10
10	QPSK	1	25		20.71		22.10
10	QPSK	1	49		20.76		22.10
10	QPSK	25	0		20.73		22.10
10	QPSK	25	12		20.57		22.10
10	QPSK	25	25		20.67		22.10
10	QPSK	50	0		20.60		22.10
10	16QAM	1	0		20.62		22.10
10	16QAM	1	25		20.43		22.10
10	16QAM	1	49		20.44		22.10
10	16QAM	25	0		20.52		22.10
10	16QAM	25	12		20.59		22.10
10	16QAM	25	25		20.64		22.10
10	16QAM	50	0		20.77		22.10
10	64QAM	1	0		20.52		22.10
10	64QAM	1	25		20.52		22.10
10	64QAM	1	49		20.79		22.10
10	64QAM	25	0		20.70		22.10
10	64QAM	25	12		20.67		22.10
10	64QAM	25	25		20.77		22.10
10	64QAM	50	0		20.62		22.10
10	256QAM	1	0		18.47		20.10
10	256QAM	1	25		18.51		20.10
10	256QAM	1	49		18.56		20.10
10	256QAM	25	0		18.68		20.10
10	256QAM	25	12		18.52		20.10
10	256QAM	25	25		18.53		20.10
10	256QAM	50	0		18.56		20.10
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	20.72	20.79	20.65	22.10
5	QPSK	1	12	20.40	20.55	20.38	22.10
5	QPSK	1	24	20.48	20.60	20.41	22.10
5	QPSK	12	0	20.42	20.58	20.36	22.10
5	QPSK	12	7	20.34	20.54	20.39	22.10
5	QPSK	12	13	20.39	20.57	20.34	22.10
5	QPSK	25	0	20.40	20.57	20.31	22.10
5	16QAM	1	0	20.36	20.47	20.25	22.10
5	16QAM	1	12	20.26	20.40	20.16	22.10
5	16QAM	1	24	20.12	20.31	20.10	22.10
5	16QAM	12	0	20.26	20.36	20.17	22.10
5	16QAM	12	7	20.26	20.46	20.26	22.10
5	16QAM	12	13	20.30	20.47	20.19	22.10
5	16QAM	25	0	20.52	20.63	20.39	22.10
5	64QAM	1	0	20.21	20.36	20.12	22.10
5	64QAM	1	12	20.18	20.34	20.15	22.10
5	64QAM	1	24	20.46	20.63	20.41	22.10
5	64QAM	12	0	20.52	20.60	20.38	22.10
5	64QAM	12	7	20.39	20.50	20.32	22.10
5	64QAM	12	13	20.53	20.62	20.43	22.10
5	64QAM	25	0	20.27	20.46	20.31	22.10
5	256QAM	1	0	18.31	18.39	18.21	20.10
5	256QAM	1	12	18.31	18.39	18.25	20.10
5	256QAM	1	24	18.31	18.52	18.31	20.10
5	256QAM	12	0	18.48	18.62	18.44	20.10
5	256QAM	12	7	18.28	18.38	18.22	20.10
5	256QAM	12	13	18.19	18.37	18.14	20.10
5	256QAM	25	0	18.34	18.45	18.26	20.10

【LTE Band 17_Ant 8_Full power】

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	24.10	24.21	24.09	25.10
10	QPSK	1	25	23.95	24.10	23.85	25.10
10	QPSK	1	49	23.85	24.08	23.86	25.10
10	QPSK	25	0	23.11	23.25	23.12	24.10
10	QPSK	25	12	22.82	23.07	22.91	24.10
10	QPSK	25	25	22.91	23.04	22.82	24.10
10	QPSK	50	0	22.96	23.10	22.91	24.10
10	16QAM	1	0	23.34	23.53	23.40	24.10
10	16QAM	1	25	23.10	23.35	23.21	24.10
10	16QAM	1	49	23.18	23.40	23.18	24.10
10	16QAM	25	0	22.03	22.28	22.08	23.10
10	16QAM	25	12	21.89	22.11	21.87	23.10
10	16QAM	25	25	21.92	22.07	21.92	23.10
10	16QAM	50	0	22.06	22.20	21.97	23.10
10	64QAM	1	0	22.12	22.35	22.20	23.10
10	64QAM	1	25	21.91	22.15	22.00	23.10
10	64QAM	1	49	22.01	22.22	22.09	23.10
10	64QAM	25	0	21.05	21.24	21.11	22.10
10	64QAM	25	12	20.98	21.17	20.94	22.10
10	64QAM	25	25	20.90	21.03	20.82	22.10
10	64QAM	50	0	21.02	21.19	21.02	22.10
10	256QAM	1	0	18.99	19.20	19.00	20.10
10	256QAM	1	25	18.94	19.14	19.01	20.10
10	256QAM	1	49	18.92	19.07	18.86	20.10
10	256QAM	25	0	19.03	19.25	19.10	20.10
10	256QAM	25	12	18.99	19.20	18.96	20.10
10	256QAM	25	25	18.91	19.12	18.98	20.10
10	256QAM	50	0	19.05	19.15	18.94	20.10
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.97	24.15	24.03	25.10
5	QPSK	1	12	23.94	23.99	23.76	25.10
5	QPSK	1	24	23.75	24.03	23.79	25.10
5	QPSK	12	0	22.99	23.23	23.11	24.10
5	QPSK	12	7	22.79	23.04	22.87	24.10
5	QPSK	12	13	22.88	22.96	22.77	24.10
5	QPSK	25	0	22.84	23.08	22.85	24.10
5	16QAM	1	0	23.29	23.45	23.37	24.10
5	16QAM	1	12	23.00	23.22	23.18	24.10
5	16QAM	1	24	23.10	23.26	23.07	24.10
5	16QAM	12	0	21.96	22.18	22.07	23.10
5	16QAM	12	7	21.76	22.07	21.85	23.10
5	16QAM	12	13	21.82	22.04	21.88	23.10
5	16QAM	25	0	21.91	22.13	21.93	23.10
5	64QAM	1	0	22.09	22.24	22.10	23.10
5	64QAM	1	12	21.86	22.03	21.90	23.10
5	64QAM	1	24	21.97	22.10	22.02	23.10
5	64QAM	12	0	20.90	21.21	21.05	22.10
5	64QAM	12	7	20.88	21.06	20.85	22.10
5	64QAM	12	13	20.87	20.98	20.68	22.10
5	64QAM	25	0	20.93	21.11	20.96	22.10
5	256QAM	1	0	18.84	19.07	18.85	20.10
5	256QAM	1	12	18.81	18.99	18.92	20.10
5	256QAM	1	24	18.84	19.04	18.72	20.10
5	256QAM	12	0	18.98	19.21	19.00	20.10
5	256QAM	12	7	18.85	19.12	18.85	20.10
5	256QAM	12	13	18.83	19.02	18.91	20.10
5	256QAM	25	0	18.94	19.06	18.92	20.10

【LTE Band 17_Ant 8_DSI0】

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	24.10	24.21	24.09	25.10
10	QPSK	1	25	23.95	24.10	23.85	25.10
10	QPSK	1	49	23.85	24.08	23.86	25.10
10	QPSK	25	0	23.11	23.25	23.12	24.10
10	QPSK	25	12	22.82	23.07	22.91	24.10
10	QPSK	25	25	22.91	23.04	22.82	24.10
10	QPSK	50	0	22.96	23.10	22.91	24.10
10	16QAM	1	0	23.34	23.53	23.40	24.10
10	16QAM	1	25	23.10	23.35	23.21	24.10
10	16QAM	1	49	23.18	23.40	23.18	24.10
10	16QAM	25	0	22.03	22.28	22.08	23.10
10	16QAM	25	12	21.89	22.11	21.87	23.10
10	16QAM	25	25	21.92	22.07	21.92	23.10
10	16QAM	50	0	22.06	22.20	21.97	23.10
10	64QAM	1	0	22.12	22.35	22.20	23.10
10	64QAM	1	25	21.91	22.15	22.00	23.10
10	64QAM	1	49	22.01	22.22	22.09	23.10
10	64QAM	25	0	21.05	21.24	21.11	22.10
10	64QAM	25	12	20.98	21.17	20.94	22.10
10	64QAM	25	25	20.90	21.03	20.82	22.10
10	64QAM	50	0	21.02	21.19	21.02	22.10
10	256QAM	1	0	18.99	19.20	19.00	20.10
10	256QAM	1	25	18.94	19.14	19.01	20.10
10	256QAM	1	49	18.92	19.07	18.86	20.10
10	256QAM	25	0	19.03	19.25	19.10	20.10
10	256QAM	25	12	18.99	19.20	18.96	20.10
10	256QAM	25	25	18.91	19.12	18.98	20.10
10	256QAM	50	0	19.05	19.15	18.94	20.10
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.97	24.15	24.03	25.10
5	QPSK	1	12	23.94	23.99	23.76	25.10
5	QPSK	1	24	23.75	24.03	23.79	25.10
5	QPSK	12	0	22.99	23.23	23.11	24.10
5	QPSK	12	7	22.79	23.04	22.87	24.10
5	QPSK	12	13	22.88	22.96	22.77	24.10
5	QPSK	25	0	22.84	23.08	22.85	24.10
5	16QAM	1	0	23.29	23.45	23.37	24.10
5	16QAM	1	12	23.00	23.22	23.18	24.10
5	16QAM	1	24	23.10	23.26	23.07	24.10
5	16QAM	12	0	21.96	22.18	22.07	23.10
5	16QAM	12	7	21.76	22.07	21.85	23.10
5	16QAM	12	13	21.82	22.04	21.88	23.10
5	16QAM	25	0	21.91	22.13	21.93	23.10
5	64QAM	1	0	22.09	22.24	22.10	23.10
5	64QAM	1	12	21.86	22.03	21.90	23.10
5	64QAM	1	24	21.97	22.10	22.02	23.10
5	64QAM	12	0	20.90	21.21	21.05	22.10
5	64QAM	12	7	20.88	21.06	20.85	22.10
5	64QAM	12	13	20.87	20.98	20.68	22.10
5	64QAM	25	0	20.93	21.11	20.96	22.10
5	256QAM	1	0	18.84	19.07	18.85	20.10
5	256QAM	1	12	18.81	18.99	18.92	20.10
5	256QAM	1	24	18.84	19.04	18.72	20.10
5	256QAM	12	0	18.98	19.21	19.00	20.10
5	256QAM	12	7	18.85	19.12	18.85	20.10
5	256QAM	12	13	18.83	19.02	18.91	20.10
5	256QAM	25	0	18.94	19.06	18.92	20.10

【LTE Band 17_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	20.45	20.67	20.44	22.00
10	QPSK	1	25	20.39	20.46	20.41	22.00
10	QPSK	1	49	20.41	20.41	20.32	22.00
10	QPSK	25	0	20.43	20.49	20.31	22.00
10	QPSK	25	12	20.32	20.37	20.28	22.00
10	QPSK	25	25	20.25	20.34	20.27	22.00
10	QPSK	50	0	20.17	20.31	20.18	22.00
10	16QAM	1	0	20.34	20.29	20.44	22.00
10	16QAM	1	25	20.23	20.26	20.35	22.00
10	16QAM	1	49	20.28	20.26	20.31	22.00
10	16QAM	25	0	20.37	20.39	20.35	22.00
10	16QAM	25	12	20.38	20.38	20.40	22.00
10	16QAM	25	25	20.38	20.44	20.36	22.00
10	16QAM	50	0	20.32	20.43	20.38	22.00
10	64QAM	1	0	20.29	20.35	20.50	22.00
10	64QAM	1	25	20.33	20.42	20.42	22.00
10	64QAM	1	49	20.43	20.58	20.39	22.00
10	64QAM	25	0	20.43	20.42	20.35	22.00
10	64QAM	25	12	20.32	20.38	20.39	22.00
10	64QAM	25	25	20.32	20.55	20.53	22.00
10	64QAM	50	0	20.42	20.41	20.42	22.00
10	256QAM	1	0	18.29	18.50	18.30	20.00
10	256QAM	1	25	18.24	18.44	18.31	20.00
10	256QAM	1	49	18.22	18.37	18.16	20.00
10	256QAM	25	0	18.33	18.55	18.40	20.00
10	256QAM	25	12	18.29	18.50	18.26	20.00
10	256QAM	25	25	18.21	18.42	18.28	20.00
10	256QAM	50	0	18.35	18.45	18.24	20.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	20.41	20.62	20.38	22.00
5	QPSK	1	12	20.33	20.38	20.35	22.00
5	QPSK	1	24	20.26	20.40	20.23	22.00
5	QPSK	12	0	20.31	20.47	20.24	22.00
5	QPSK	12	7	20.19	20.25	20.17	22.00
5	QPSK	12	13	20.18	20.26	20.26	22.00
5	QPSK	25	0	20.14	20.18	20.12	22.00
5	16QAM	1	0	20.31	20.21	20.33	22.00
5	16QAM	1	12	20.09	20.13	20.27	22.00
5	16QAM	1	24	20.25	20.12	20.20	22.00
5	16QAM	12	0	20.28	20.36	20.33	22.00
5	16QAM	12	7	20.26	20.32	20.25	22.00
5	16QAM	12	13	20.29	20.32	20.22	22.00
5	16QAM	25	0	20.22	20.32	20.36	22.00
5	64QAM	1	0	20.23	20.30	20.46	22.00
5	64QAM	1	12	20.29	20.35	20.28	22.00
5	64QAM	1	24	20.34	20.48	20.25	22.00
5	64QAM	12	0	20.30	20.38	20.22	22.00
5	64QAM	12	7	20.24	20.24	20.35	22.00
5	64QAM	12	13	20.21	20.47	20.45	22.00
5	64QAM	25	0	20.28	20.33	20.38	22.00
5	256QAM	1	0	18.23	18.36	18.23	20.00
5	256QAM	1	12	18.19	18.30	18.30	20.00
5	256QAM	1	24	18.21	18.23	18.04	20.00
5	256QAM	12	0	18.26	18.47	18.36	20.00
5	256QAM	12	7	18.25	18.45	18.16	20.00
5	256QAM	12	13	18.18	18.33	18.19	20.00
5	256QAM	25	0	18.25	18.41	18.14	20.00

【LTE Band 25_Ant 1_Full power】

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	23.85	23.99	23.90	25.10
20	QPSK	1	49	23.78	23.96	23.80	25.10
20	QPSK	1	99	23.73	23.93	23.78	25.10
20	QPSK	50	0	22.73	22.98	22.82	24.10
20	QPSK	50	24	22.71	22.86	22.69	24.10
20	QPSK	50	50	22.69	22.88	22.73	24.10
20	QPSK	100	0	22.49	22.77	22.62	24.10
20	16QAM	1	0	22.82	23.08	22.88	24.10
20	16QAM	1	49	22.77	22.95	22.84	24.10
20	16QAM	1	99	22.69	22.89	22.71	24.10
20	16QAM	50	0	21.85	22.01	21.83	23.10
20	16QAM	50	24	21.62	21.83	21.60	23.10
20	16QAM	50	50	21.77	21.99	21.79	23.10
20	16QAM	100	0	21.70	21.90	21.74	23.10
20	64QAM	1	0	21.81	22.08	21.92	23.10
20	64QAM	1	49	21.70	21.93	21.70	23.10
20	64QAM	1	99	21.67	21.89	21.74	23.10
20	64QAM	50	0	20.76	20.94	20.78	22.10
20	64QAM	50	24	20.67	20.88	20.75	22.10
20	64QAM	50	50	20.67	20.81	20.65	22.10
20	64QAM	100	0	20.66	20.90	20.80	22.10
20	256QAM	1	0	18.47	18.69	18.51	20.10
20	256QAM	1	49	18.47	18.71	18.59	20.10
20	256QAM	1	99	18.39	18.61	18.44	20.10
20	256QAM	50	0	18.54	18.76	18.66	20.10
20	256QAM	50	24	18.49	18.66	18.49	20.10
20	256QAM	50	50	18.38	18.57	18.39	20.10
20	256QAM	100	0	18.57	18.73	18.63	20.10
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.78	23.91	23.88	25.10
15	QPSK	1	37	23.77	23.85	23.72	25.10
15	QPSK	1	74	23.65	23.91	23.77	25.10
15	QPSK	36	0	22.62	22.87	22.72	24.10
15	QPSK	36	20	22.59	22.80	22.63	24.10
15	QPSK	36	39	22.57	22.81	22.61	24.10
15	QPSK	75	0	22.44	22.69	22.59	24.10
15	16QAM	1	0	22.80	23.01	22.75	24.10
15	16QAM	1	37	22.68	22.90	22.76	24.10
15	16QAM	1	74	22.59	22.80	22.61	24.10
15	16QAM	36	0	21.73	21.95	21.71	23.10
15	16QAM	36	20	21.54	21.79	21.51	23.10
15	16QAM	36	39	21.73	21.94	21.64	23.10
15	16QAM	75	0	21.64	21.86	21.60	23.10
15	64QAM	1	0	21.70	22.02	21.88	23.10
15	64QAM	1	37	21.56	21.82	21.66	23.10
15	64QAM	1	74	21.64	21.80	21.66	23.10
15	64QAM	36	0	20.68	20.82	20.74	22.10
15	64QAM	36	20	20.61	20.80	20.68	22.10
15	64QAM	36	39	20.55	20.68	20.55	22.10
15	64QAM	75	0	20.51	20.76	20.77	22.10
15	256QAM	1	0	18.38	18.61	18.47	20.10
15	256QAM	1	37	18.35	18.60	18.54	20.10
15	256QAM	1	74	18.33	18.55	18.39	20.10
15	256QAM	36	0	18.48	18.61	18.57	20.10
15	256QAM	36	20	18.38	18.63	18.37	20.10
15	256QAM	36	39	18.30	18.43	18.30	20.10
15	256QAM	75	0	18.54	18.66	18.57	20.10
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.79	23.94	23.81	25.10
10	QPSK	1	25	23.73	23.91	23.77	25.10
10	QPSK	1	49	23.66	23.89	23.68	25.10
10	QPSK	25	0	22.70	22.84	22.78	24.10
10	QPSK	25	12	22.68	22.80	22.64	24.10
10	QPSK	25	25	22.59	22.86	22.63	24.10
10	QPSK	50	0	22.41	22.72	22.59	24.10
10	16QAM	1	0	22.74	22.96	22.84	24.10
10	16QAM	1	25	22.64	22.90	22.72	24.10
10	16QAM	1	49	22.56	22.86	22.64	24.10
10	16QAM	25	0	21.78	21.93	21.78	23.10



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10	16QAM	25	12	21.60	21.74	21.59	23.10
10	16QAM	25	25	21.62	21.86	21.67	23.10
10	16QAM	50	0	21.58	21.86	21.70	23.10
10	64QAM	1	0	21.73	21.97	21.84	23.10
10	64QAM	1	25	21.64	21.80	21.66	23.10
10	64QAM	1	49	21.58	21.83	21.62	23.10
10	64QAM	25	0	20.71	20.90	20.73	22.10
10	64QAM	25	12	20.60	20.83	20.69	22.10
10	64QAM	25	25	20.62	20.79	20.53	22.10
10	64QAM	50	0	20.64	20.77	20.72	22.10
10	256QAM	1	0	18.34	18.67	18.47	20.10
10	256QAM	1	25	18.38	18.68	18.46	20.10
10	256QAM	1	49	18.36	18.50	18.39	20.10
10	256QAM	25	0	18.48	18.72	18.59	20.10
10	256QAM	25	12	18.43	18.53	18.41	20.10
10	256QAM	25	25	18.28	18.48	18.24	20.10
10	256QAM	50	0	18.55	18.61	18.57	20.10
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.82	23.88	23.78	25.10
5	QPSK	1	12	23.70	23.87	23.67	25.10
5	QPSK	1	24	23.62	23.79	23.72	25.10
5	QPSK	12	0	22.69	22.96	22.78	24.10
5	QPSK	12	7	22.60	22.84	22.64	24.10
5	QPSK	12	13	22.63	22.80	22.68	24.10
5	QPSK	25	0	22.48	22.69	22.50	24.10
5	16QAM	1	0	22.75	23.01	22.73	24.10
5	16QAM	1	12	22.74	22.88	22.70	24.10
5	16QAM	1	24	22.68	22.87	22.61	24.10
5	16QAM	12	0	21.75	21.96	21.79	23.10
5	16QAM	12	7	21.51	21.69	21.54	23.10
5	16QAM	12	13	21.65	21.91	21.77	23.10
5	16QAM	25	0	21.63	21.85	21.68	23.10
5	64QAM	1	0	21.68	21.95	21.88	23.10
5	64QAM	1	12	21.59	21.84	21.59	23.10
5	64QAM	1	24	21.64	21.87	21.71	23.10
5	64QAM	12	0	20.73	20.83	20.64	22.10
5	64QAM	12	7	20.63	20.78	20.71	22.10
5	64QAM	12	13	20.60	20.69	20.61	22.10
5	64QAM	25	0	20.63	20.83	20.68	22.10
5	256QAM	1	0	18.45	18.59	18.37	20.10
5	256QAM	1	12	18.32	18.64	18.46	20.10
5	256QAM	1	24	18.27	18.54	18.41	20.10
5	256QAM	12	0	18.50	18.62	18.65	20.10
5	256QAM	12	7	18.44	18.59	18.34	20.10
5	256QAM	12	13	18.36	18.55	18.33	20.10
5	256QAM	25	0	18.46	18.65	18.57	20.10
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.72	23.92	23.85	25.10
3	QPSK	1	8	23.68	23.81	23.77	25.10
3	QPSK	1	14	23.70	23.87	23.69	25.10
3	QPSK	8	0	22.68	22.95	22.80	24.10
3	QPSK	8	4	22.56	22.82	22.65	24.10
3	QPSK	8	7	22.59	22.86	22.68	24.10
3	QPSK	15	0	22.43	22.75	22.49	24.10
3	16QAM	1	0	22.71	23.01	22.73	24.10
3	16QAM	1	8	22.70	22.84	22.71	24.10
3	16QAM	1	14	22.54	22.86	22.59	24.10
3	16QAM	8	0	21.71	21.88	21.76	23.10
3	16QAM	8	4	21.52	21.73	21.53	23.10
3	16QAM	8	7	21.64	21.88	21.67	23.10
3	16QAM	15	0	21.65	21.86	21.70	23.10
3	64QAM	1	0	21.66	22.04	21.90	23.10
3	64QAM	1	8	21.63	21.83	21.66	23.10
3	64QAM	1	14	21.59	21.79	21.68	23.10
3	64QAM	8	0	20.66	20.90	20.74	22.10
3	64QAM	8	4	20.58	20.73	20.72	22.10
3	64QAM	8	7	20.54	20.70	20.51	22.10
3	64QAM	15	0	20.63	20.84	20.70	22.10
3	256QAM	1	0	18.43	18.63	18.38	20.10
3	256QAM	1	8	18.32	18.70	18.45	20.10
3	256QAM	1	14	18.26	18.54	18.32	20.10
3	256QAM	8	0	18.42	18.69	18.58	20.10
3	256QAM	8	4	18.44	18.52	18.44	20.10
3	256QAM	8	7	18.30	18.55	18.33	20.10
3	256QAM	15	0	18.44	18.68	18.55	20.10
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.73	23.91	23.84	25.10
1.4	QPSK	1	3	23.73	23.85	23.68	25.10
1.4	QPSK	1	5	23.68	23.88	23.65	25.10
1.4	QPSK	3	0	23.65	23.93	23.76	25.10
1.4	QPSK	3	1	23.57	23.82	23.63	25.10
1.4	QPSK	3	3	23.61	23.81	23.68	25.10
1.4	QPSK	6	0	22.39	22.73	22.54	24.10
1.4	16QAM	1	0	22.72	23.03	22.74	24.10
1.4	16QAM	1	3	22.73	22.86	22.70	24.10
1.4	16QAM	1	5	22.61	22.84	22.63	24.10
1.4	16QAM	3	0	22.70	22.92	22.72	24.10
1.4	16QAM	3	1	22.48	22.77	22.48	24.10
1.4	16QAM	3	3	22.71	22.92	22.75	24.10
1.4	16QAM	6	0	21.66	21.83	21.68	23.10
1.4	64QAM	1	0	21.78	22.03	21.84	23.10
1.4	64QAM	1	3	21.58	21.80	21.64	23.10
1.4	64QAM	1	5	21.56	21.86	21.70	23.10
1.4	64QAM	3	0	21.65	21.85	21.75	23.10
1.4	64QAM	3	1	21.56	21.78	21.71	23.10
1.4	64QAM	3	3	21.53	21.70	21.62	23.10
1.4	64QAM	6	0	20.55	20.77	20.65	22.10
1.4	256QAM	1	0	18.37	18.60	18.49	20.10
1.4	256QAM	1	3	18.40	18.67	18.48	20.10
1.4	256QAM	1	5	18.32	18.51	18.34	20.10
1.4	256QAM	3	0	18.42	18.75	18.53	20.10
1.4	256QAM	3	1	18.40	18.55	18.45	20.10
1.4	256QAM	3	3	18.29	18.49	18.32	20.10
1.4	256QAM	6	0	18.50	18.71	18.59	20.10

【LTE Band 25_Ant 1_DSI0】

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	23.85	23.99	23.90	25.10
20	QPSK	1	49	23.78	23.96	23.80	25.10
20	QPSK	1	99	23.73	23.93	23.78	25.10
20	QPSK	50	0	22.73	22.98	22.82	24.10
20	QPSK	50	24	22.71	22.86	22.69	24.10
20	QPSK	50	50	22.69	22.88	22.73	24.10
20	QPSK	100	0	22.49	22.77	22.62	24.10
20	16QAM	1	0	22.82	23.08	22.88	24.10
20	16QAM	1	49	22.77	22.95	22.84	24.10
20	16QAM	1	99	22.69	22.89	22.71	24.10
20	16QAM	50	0	21.85	22.01	21.83	23.10
20	16QAM	50	24	21.62	21.83	21.60	23.10
20	16QAM	50	50	21.77	21.99	21.79	23.10
20	16QAM	100	0	21.70	21.90	21.74	23.10
20	64QAM	1	0	21.81	22.08	21.92	23.10
20	64QAM	1	49	21.70	21.93	21.70	23.10
20	64QAM	1	99	21.67	21.89	21.74	23.10
20	64QAM	50	0	20.76	20.94	20.78	22.10
20	64QAM	50	24	20.67	20.88	20.75	22.10
20	64QAM	50	50	20.67	20.81	20.65	22.10
20	64QAM	100	0	20.66	20.90	20.80	22.10
20	256QAM	1	0	18.47	18.69	18.51	20.10
20	256QAM	1	49	18.47	18.71	18.59	20.10
20	256QAM	1	99	18.39	18.61	18.44	20.10
20	256QAM	50	0	18.54	18.76	18.66	20.10
20	256QAM	50	24	18.49	18.66	18.49	20.10
20	256QAM	50	50	18.38	18.57	18.39	20.10
20	256QAM	100	0	18.57	18.73	18.63	20.10
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.78	23.91	23.88	25.10
15	QPSK	1	37	23.77	23.85	23.72	25.10
15	QPSK	1	74	23.65	23.91	23.77	25.10
15	QPSK	36	0	22.62	22.87	22.72	24.10
15	QPSK	36	20	22.59	22.80	22.63	24.10
15	QPSK	36	39	22.57	22.81	22.61	24.10
15	QPSK	75	0	22.44	22.69	22.59	24.10
15	16QAM	1	0	22.80	23.01	22.75	24.10



15	16QAM	1	37	22.68	22.90	22.76	24.10
15	16QAM	1	74	22.59	22.80	22.61	24.10
15	16QAM	36	0	21.73	21.95	21.71	23.10
15	16QAM	36	20	21.54	21.79	21.51	23.10
15	16QAM	36	39	21.73	21.94	21.64	23.10
15	16QAM	75	0	21.64	21.86	21.60	23.10
15	64QAM	1	0	21.70	22.02	21.88	23.10
15	64QAM	1	37	21.56	21.82	21.66	23.10
15	64QAM	1	74	21.64	21.80	21.66	23.10
15	64QAM	36	0	20.68	20.82	20.74	22.10
15	64QAM	36	20	20.61	20.80	20.68	22.10
15	64QAM	36	39	20.55	20.68	20.55	22.10
15	64QAM	75	0	20.51	20.76	20.77	22.10
15	256QAM	1	0	18.38	18.61	18.47	20.10
15	256QAM	1	37	18.35	18.60	18.54	20.10
15	256QAM	1	74	18.33	18.55	18.39	20.10
15	256QAM	36	0	18.48	18.61	18.57	20.10
15	256QAM	36	20	18.38	18.63	18.37	20.10
15	256QAM	36	39	18.30	18.43	18.30	20.10
15	256QAM	75	0	18.54	18.66	18.57	20.10
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.79	23.94	23.81	25.10
10	QPSK	1	25	23.73	23.91	23.77	25.10
10	QPSK	1	49	23.66	23.89	23.68	25.10
10	QPSK	25	0	22.70	22.84	22.78	24.10
10	QPSK	25	12	22.68	22.80	22.64	24.10
10	QPSK	25	25	22.59	22.86	22.63	24.10
10	QPSK	50	0	22.41	22.72	22.59	24.10
10	16QAM	1	0	22.74	22.96	22.84	24.10
10	16QAM	1	25	22.64	22.90	22.72	24.10
10	16QAM	1	49	22.56	22.86	22.64	24.10
10	16QAM	25	0	21.78	21.93	21.78	23.10
10	16QAM	25	12	21.60	21.74	21.59	23.10
10	16QAM	25	25	21.62	21.86	21.67	23.10
10	16QAM	50	0	21.58	21.86	21.70	23.10
10	64QAM	1	0	21.73	21.97	21.84	23.10
10	64QAM	1	25	21.64	21.80	21.66	23.10
10	64QAM	1	49	21.58	21.83	21.62	23.10
10	64QAM	25	0	20.71	20.90	20.73	22.10
10	64QAM	25	12	20.60	20.83	20.69	22.10
10	64QAM	25	25	20.62	20.79	20.53	22.10
10	64QAM	50	0	20.64	20.77	20.72	22.10
10	256QAM	1	0	18.34	18.67	18.47	20.10
10	256QAM	1	25	18.38	18.68	18.46	20.10
10	256QAM	1	49	18.36	18.50	18.39	20.10
10	256QAM	25	0	18.48	18.72	18.59	20.10
10	256QAM	25	12	18.43	18.53	18.41	20.10
10	256QAM	25	25	18.28	18.48	18.24	20.10
10	256QAM	50	0	18.55	18.61	18.57	20.10
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.82	23.88	23.78	25.10
5	QPSK	1	12	23.70	23.87	23.67	25.10
5	QPSK	1	24	23.62	23.79	23.72	25.10
5	QPSK	12	0	22.69	22.96	22.78	24.10
5	QPSK	12	7	22.60	22.84	22.64	24.10
5	QPSK	12	13	22.63	22.80	22.68	24.10
5	QPSK	25	0	22.48	22.69	22.50	24.10
5	16QAM	1	0	22.75	23.01	22.73	24.10
5	16QAM	1	12	22.74	22.88	22.70	24.10
5	16QAM	1	24	22.68	22.87	22.61	24.10
5	16QAM	12	0	21.75	21.96	21.79	23.10
5	16QAM	12	7	21.51	21.69	21.54	23.10
5	16QAM	12	13	21.65	21.91	21.77	23.10
5	16QAM	25	0	21.63	21.85	21.68	23.10
5	64QAM	1	0	21.68	21.95	21.88	23.10
5	64QAM	1	12	21.59	21.84	21.59	23.10
5	64QAM	1	24	21.64	21.87	21.71	23.10
5	64QAM	12	0	20.73	20.83	20.64	22.10
5	64QAM	12	7	20.63	20.78	20.71	22.10
5	64QAM	12	13	20.60	20.69	20.61	22.10
5	64QAM	25	0	20.63	20.83	20.68	22.10
5	256QAM	1	0	18.45	18.59	18.37	20.10
5	256QAM	1	12	18.32	18.64	18.46	20.10
5	256QAM	1	24	18.27	18.54	18.41	20.10
5	256QAM	12	0	18.50	18.62	18.65	20.10
5	256QAM	12	7	18.44	18.59	18.34	20.10



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5	256QAM	12	13	18.36	18.55	18.33	20.10
5	256QAM	25	0	18.46	18.65	18.57	20.10
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.72	23.92	23.85	25.10
3	QPSK	1	8	23.68	23.81	23.77	25.10
3	QPSK	1	14	23.70	23.87	23.69	25.10
3	QPSK	8	0	22.68	22.95	22.80	24.10
3	QPSK	8	4	22.56	22.82	22.65	24.10
3	QPSK	8	7	22.59	22.86	22.68	24.10
3	QPSK	15	0	22.43	22.75	22.49	24.10
3	16QAM	1	0	22.71	23.01	22.73	24.10
3	16QAM	1	8	22.70	22.84	22.71	24.10
3	16QAM	1	14	22.54	22.86	22.59	24.10
3	16QAM	8	0	21.71	21.88	21.76	23.10
3	16QAM	8	4	21.52	21.73	21.53	23.10
3	16QAM	8	7	21.64	21.88	21.67	23.10
3	16QAM	15	0	21.65	21.86	21.70	23.10
3	64QAM	1	0	21.66	22.04	21.90	23.10
3	64QAM	1	8	21.63	21.83	21.66	23.10
3	64QAM	1	14	21.59	21.79	21.68	23.10
3	64QAM	8	0	20.66	20.90	20.74	22.10
3	64QAM	8	4	20.58	20.73	20.72	22.10
3	64QAM	8	7	20.54	20.70	20.51	22.10
3	64QAM	15	0	20.63	20.84	20.70	22.10
3	256QAM	1	0	18.43	18.63	18.38	20.10
3	256QAM	1	8	18.32	18.70	18.45	20.10
3	256QAM	1	14	18.26	18.54	18.32	20.10
3	256QAM	8	0	18.42	18.69	18.58	20.10
3	256QAM	8	4	18.44	18.52	18.44	20.10
3	256QAM	8	7	18.30	18.55	18.33	20.10
3	256QAM	15	0	18.44	18.68	18.55	20.10
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.73	23.91	23.84	25.10
1.4	QPSK	1	3	23.73	23.85	23.68	25.10
1.4	QPSK	1	5	23.68	23.88	23.65	25.10
1.4	QPSK	3	0	23.65	23.93	23.76	25.10
1.4	QPSK	3	1	23.57	23.82	23.63	25.10
1.4	QPSK	3	3	23.61	23.81	23.68	25.10
1.4	QPSK	6	0	22.39	22.73	22.54	24.10
1.4	16QAM	1	0	22.72	23.03	22.74	24.10
1.4	16QAM	1	3	22.73	22.86	22.70	24.10
1.4	16QAM	1	5	22.61	22.84	22.63	24.10
1.4	16QAM	3	0	22.70	22.92	22.72	24.10
1.4	16QAM	3	1	22.48	22.77	22.48	24.10
1.4	16QAM	3	3	22.71	22.92	22.75	24.10
1.4	16QAM	6	0	21.66	21.83	21.68	23.10
1.4	64QAM	1	0	21.78	22.03	21.84	23.10
1.4	64QAM	1	3	21.58	21.80	21.64	23.10
1.4	64QAM	1	5	21.56	21.86	21.70	23.10
1.4	64QAM	3	0	21.65	21.85	21.75	23.10
1.4	64QAM	3	1	21.56	21.78	21.71	23.10
1.4	64QAM	3	3	21.53	21.70	21.62	23.10
1.4	64QAM	6	0	20.55	20.77	20.65	22.10
1.4	256QAM	1	0	18.37	18.60	18.49	20.10
1.4	256QAM	1	3	18.40	18.67	18.48	20.10
1.4	256QAM	1	5	18.32	18.51	18.34	20.10
1.4	256QAM	3	0	18.42	18.75	18.53	20.10
1.4	256QAM	3	1	18.40	18.55	18.45	20.10
1.4	256QAM	3	3	18.29	18.49	18.32	20.10
1.4	256QAM	6	0	18.50	18.71	18.59	20.10



【LTE Band 25_Ant 1_DSI7】

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	18.37	18.49	18.27	20.00
20	QPSK	1	49	18.23	18.41	18.14	20.00
20	QPSK	1	99	18.20	18.35	18.17	20.00
20	QPSK	50	0	18.19	18.42	18.05	20.00
20	QPSK	50	24	18.04	18.18	18.13	20.00
20	QPSK	50	50	18.17	18.18	18.19	20.00
20	QPSK	100	0	18.13	18.37	18.19	20.00
20	16QAM	1	0	18.15	18.18	18.08	20.00
20	16QAM	1	49	18.04	18.21	18.10	20.00
20	16QAM	1	99	18.12	18.16	18.17	20.00
20	16QAM	50	0	18.11	18.12	18.12	20.00
20	16QAM	50	24	18.12	18.22	18.18	20.00
20	16QAM	50	50	18.25	18.24	18.10	20.00
20	16QAM	100	0	18.16	18.27	18.15	20.00
20	64QAM	1	0	18.16	18.23	18.07	20.00
20	64QAM	1	49	18.12	18.23	18.05	20.00
20	64QAM	1	99	18.16	18.39	18.18	20.00
20	64QAM	50	0	18.20	18.41	18.13	20.00
20	64QAM	50	24	18.14	18.21	18.04	20.00
20	64QAM	50	50	18.14	18.34	18.11	20.00
20	64QAM	100	0	18.09	18.33	18.06	20.00
20	256QAM	1	0	18.19	18.41	18.18	20.00
20	256QAM	1	49	18.44	18.45	18.29	20.00
20	256QAM	1	99	18.17	18.36	18.05	20.00
20	256QAM	50	0	18.16	18.37	18.08	20.00
20	256QAM	50	24	18.11	18.32	18.14	20.00
20	256QAM	50	50	18.05	18.28	18.18	20.00
20	256QAM	100	0	18.10	18.27	18.16	20.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.27	18.44	18.21	20.00
15	QPSK	1	37	18.12	18.26	18.05	20.00
15	QPSK	1	74	18.13	18.22	18.05	20.00
15	QPSK	36	0	18.08	18.30	18.00	20.00
15	QPSK	36	20	18.00	18.08	18.06	20.00
15	QPSK	36	39	18.12	18.07	18.06	20.00
15	QPSK	75	0	18.08	18.24	18.11	20.00
15	16QAM	1	0	18.02	18.07	18.00	20.00
15	16QAM	1	37	18.00	18.10	18.00	20.00
15	16QAM	1	74	18.02	18.11	18.14	20.00
15	16QAM	36	0	18.07	18.01	18.01	20.00
15	16QAM	36	20	18.03	18.20	18.07	20.00
15	16QAM	36	39	18.15	18.23	18.06	20.00
15	16QAM	75	0	18.11	18.23	18.05	20.00
15	64QAM	1	0	18.11	18.16	18.01	20.00
15	64QAM	1	37	18.01	18.12	18.01	20.00
15	64QAM	1	74	18.10	18.34	18.05	20.00
15	64QAM	36	0	18.12	18.29	18.05	20.00
15	64QAM	36	20	18.00	18.10	18.01	20.00
15	64QAM	36	39	18.07	18.27	18.06	20.00
15	64QAM	75	0	18.07	18.22	18.01	20.00
15	256QAM	1	0	18.05	18.29	18.12	20.00
15	256QAM	1	37	18.39	18.40	18.22	20.00
15	256QAM	1	74	18.10	18.23	18.00	20.00
15	256QAM	36	0	18.04	18.29	18.03	20.00
15	256QAM	36	20	18.03	18.24	18.07	20.00
15	256QAM	36	39	18.03	18.25	18.08	20.00
15	256QAM	75	0	18.06	18.24	18.12	20.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.33	18.45	18.15	20.00
10	QPSK	1	25	18.09	18.38	18.06	20.00
10	QPSK	1	49	18.08	18.31	18.02	20.00
10	QPSK	25	0	18.14	18.28	18.02	20.00
10	QPSK	25	12	18.00	18.09	18.01	20.00
10	QPSK	25	25	18.11	18.06	18.15	20.00
10	QPSK	50	0	18.01	18.32	18.16	20.00
10	16QAM	1	0	18.03	18.05	18.03	20.00
10	16QAM	1	25	18.00	18.18	18.07	20.00
10	16QAM	1	49	18.08	18.10	18.12	20.00
10	16QAM	25	0	18.07	18.11	18.05	20.00



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10	16QAM	25	12	18.09	18.10	18.09	20.00
10	16QAM	25	25	18.23	18.14	18.01	20.00
10	16QAM	50	0	18.02	18.13	18.08	20.00
10	64QAM	1	0	18.01	18.15	18.01	20.00
10	64QAM	1	25	18.11	18.13	18.03	20.00
10	64QAM	1	49	18.12	18.35	18.07	20.00
10	64QAM	25	0	18.10	18.35	18.00	20.00
10	64QAM	25	12	18.05	18.07	18.02	20.00
10	64QAM	25	25	18.08	18.32	18.01	20.00
10	64QAM	50	0	18.02	18.24	18.01	20.00
10	256QAM	1	0	18.11	18.33	18.12	20.00
10	256QAM	1	25	18.38	18.31	18.22	20.00
10	256QAM	1	49	18.06	18.34	18.02	20.00
10	256QAM	25	0	18.10	18.34	18.00	20.00
10	256QAM	25	12	18.08	18.19	18.12	20.00
10	256QAM	25	25	18.01	18.15	18.15	20.00
10	256QAM	50	0	18.06	18.25	18.13	20.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	18.34	18.46	18.16	20.00
5	QPSK	1	12	18.10	18.26	18.07	20.00
5	QPSK	1	24	18.16	18.30	18.12	20.00
5	QPSK	12	0	18.08	18.29	18.01	20.00
5	QPSK	12	7	18.00	18.03	18.10	20.00
5	QPSK	12	13	18.08	18.09	18.07	20.00
5	QPSK	25	0	18.07	18.29	18.12	20.00
5	16QAM	1	0	18.02	18.14	18.07	20.00
5	16QAM	1	12	18.00	18.12	18.06	20.00
5	16QAM	1	24	18.10	18.08	18.08	20.00
5	16QAM	12	0	18.00	18.03	18.07	20.00
5	16QAM	12	7	18.11	18.08	18.04	20.00
5	16QAM	12	13	18.14	18.19	18.00	20.00
5	16QAM	25	0	18.06	18.17	18.07	20.00
5	64QAM	1	0	18.03	18.17	18.01	20.00
5	64QAM	1	12	18.02	18.19	18.02	20.00
5	64QAM	1	24	18.08	18.28	18.13	20.00
5	64QAM	12	0	18.05	18.39	18.04	20.00
5	64QAM	12	7	18.12	18.10	18.00	20.00
5	64QAM	12	13	18.06	18.28	18.01	20.00
5	64QAM	25	0	18.05	18.19	18.00	20.00
5	256QAM	1	0	18.16	18.38	18.12	20.00
5	256QAM	1	12	18.40	18.43	18.15	20.00
5	256QAM	1	24	18.06	18.32	18.01	20.00
5	256QAM	12	0	18.02	18.23	18.00	20.00
5	256QAM	12	7	18.04	18.30	18.07	20.00
5	256QAM	12	13	18.01	18.22	18.11	20.00
5	256QAM	25	0	18.01	18.18	18.07	20.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	18.24	18.44	18.16	20.00
3	QPSK	1	8	18.16	18.30	18.01	20.00
3	QPSK	1	14	18.06	18.32	18.02	20.00
3	QPSK	8	0	18.18	18.35	18.02	20.00
3	QPSK	8	4	18.00	18.03	18.02	20.00
3	QPSK	8	7	18.14	18.13	18.05	20.00
3	QPSK	15	0	18.02	18.25	18.17	20.00
3	16QAM	1	0	18.07	18.15	18.01	20.00
3	16QAM	1	8	18.00	18.08	18.00	20.00
3	16QAM	1	14	18.05	18.13	18.12	20.00
3	16QAM	8	0	18.01	18.01	18.03	20.00
3	16QAM	8	4	18.02	18.11	18.14	20.00
3	16QAM	8	7	18.20	18.21	18.00	20.00
3	16QAM	15	0	18.08	18.15	18.07	20.00
3	64QAM	1	0	18.14	18.16	18.01	20.00
3	64QAM	1	8	18.02	18.20	18.00	20.00
3	64QAM	1	14	18.05	18.28	18.12	20.00
3	64QAM	8	0	18.14	18.30	18.09	20.00
3	64QAM	8	4	18.01	18.20	18.00	20.00
3	64QAM	8	7	18.02	18.23	18.00	20.00
3	64QAM	15	0	18.01	18.28	18.00	20.00
3	256QAM	1	0	18.09	18.34	18.05	20.00
3	256QAM	1	8	18.40	18.38	18.20	20.00
3	256QAM	1	14	18.09	18.31	18.00	20.00
3	256QAM	8	0	18.04	18.33	18.05	20.00
3	256QAM	8	4	18.00	18.23	18.06	20.00
3	256QAM	8	7	18.02	18.20	18.09	20.00
3	256QAM	15	0	18.00	18.22	18.04	20.00
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	18.26	18.37	18.26	20.00
1.4	QPSK	1	3	18.09	18.35	18.13	20.00
1.4	QPSK	1	5	18.14	18.22	18.14	20.00
1.4	QPSK	3	0	18.07	18.27	18.00	20.00
1.4	QPSK	3	1	18.00	18.06	18.06	20.00
1.4	QPSK	3	3	18.13	18.06	18.10	20.00
1.4	QPSK	6	0	18.00	18.26	18.06	20.00
1.4	16QAM	1	0	18.09	18.13	18.00	20.00
1.4	16QAM	1	3	18.02	18.15	18.07	20.00
1.4	16QAM	1	5	18.09	18.08	18.11	20.00
1.4	16QAM	3	0	18.09	18.00	18.00	20.00
1.4	16QAM	3	1	18.00	18.13	18.09	20.00
1.4	16QAM	3	3	18.10	18.16	18.00	20.00
1.4	16QAM	6	0	18.10	18.14	18.06	20.00
1.4	64QAM	1	0	18.07	18.20	18.02	20.00
1.4	64QAM	1	3	18.08	18.09	18.00	20.00
1.4	64QAM	1	5	18.07	18.25	18.03	20.00
1.4	64QAM	3	0	18.14	18.36	18.01	20.00
1.4	64QAM	3	1	18.03	18.16	18.00	20.00
1.4	64QAM	3	3	18.02	18.24	18.09	20.00
1.4	64QAM	6	0	18.08	18.30	18.03	20.00
1.4	256QAM	1	0	18.14	18.28	18.15	20.00
1.4	256QAM	1	3	18.41	18.35	18.18	20.00
1.4	256QAM	1	5	18.11	18.22	18.00	20.00
1.4	256QAM	3	0	18.11	18.29	18.01	20.00
1.4	256QAM	3	1	18.05	18.26	18.06	20.00
1.4	256QAM	3	3	18.00	18.22	18.11	20.00
1.4	256QAM	6	0	18.04	18.15	18.11	20.00

【LTE Band 25_Ant 5_Full power】

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	23.49	23.67	23.52	25.10
20	QPSK	1	49	23.11	23.35	23.10	25.10
20	QPSK	1	99	23.22	23.44	23.27	25.10
20	QPSK	50	0	22.25	22.53	22.32	24.10
20	QPSK	50	24	22.27	22.46	22.29	24.10
20	QPSK	50	50	22.16	22.44	22.23	24.10
20	QPSK	100	0	22.18	22.46	22.18	24.10
20	16QAM	1	0	22.24	22.51	22.22	24.10
20	16QAM	1	49	22.12	22.33	22.17	24.10
20	16QAM	1	99	22.27	22.52	22.35	24.10
20	16QAM	50	0	21.42	21.70	21.54	23.10
20	16QAM	50	24	21.17	21.47	21.21	23.10
20	16QAM	50	50	21.24	21.42	21.24	23.10
20	16QAM	100	0	21.22	21.48	21.32	23.10
20	64QAM	1	0	21.12	21.39	21.19	23.10
20	64QAM	1	49	21.27	21.54	21.31	23.10
20	64QAM	1	99	21.22	21.48	21.22	23.10
20	64QAM	50	0	20.24	20.47	20.30	22.10
20	64QAM	50	24	20.11	20.40	20.18	22.10
20	64QAM	50	50	20.32	20.50	20.28	22.10
20	64QAM	100	0	20.29	20.54	20.29	22.10
20	256QAM	1	0	18.11	18.33	18.10	20.10
20	256QAM	1	49	18.26	18.42	18.26	20.10
20	256QAM	1	99	18.23	18.46	18.24	20.10
20	256QAM	50	0	18.40	18.58	18.41	20.10
20	256QAM	50	24	18.12	18.32	18.11	20.10
20	256QAM	50	50	18.19	18.44	18.21	20.10
20	256QAM	100	0	18.25	18.51	18.37	20.10
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.40	23.66	23.44	25.10
15	QPSK	1	37	23.11	23.22	23.12	25.10
15	QPSK	1	74	23.11	23.32	23.18	25.10
15	QPSK	36	0	22.10	22.40	22.19	24.10
15	QPSK	36	20	22.17	22.38	22.21	24.10
15	QPSK	36	39	22.14	22.30	22.18	24.10
15	QPSK	75	0	22.14	22.33	22.10	24.10
15	16QAM	1	0	22.13	22.50	22.11	24.10



15	16QAM	1	37	22.10	22.30	22.12	24.10
15	16QAM	1	74	22.13	22.38	22.33	24.10
15	16QAM	36	0	21.38	21.65	21.43	23.10
15	16QAM	36	20	21.12	21.33	21.15	23.10
15	16QAM	36	39	21.23	21.29	21.22	23.10
15	16QAM	75	0	21.13	21.34	21.22	23.10
15	64QAM	1	0	21.11	21.26	21.10	23.10
15	64QAM	1	37	21.20	21.45	21.26	23.10
15	64QAM	1	74	21.11	21.44	21.14	23.10
15	64QAM	36	0	20.22	20.43	20.21	22.10
15	64QAM	36	20	20.10	20.34	20.11	22.10
15	64QAM	36	39	20.27	20.46	20.19	22.10
15	64QAM	75	0	20.26	20.40	20.17	22.10
15	256QAM	1	0	18.10	18.22	18.10	20.10
15	256QAM	1	37	18.17	18.28	18.24	20.10
15	256QAM	1	74	18.12	18.36	18.17	20.10
15	256QAM	36	0	18.39	18.46	18.35	20.10
15	256QAM	36	20	18.11	18.23	18.10	20.10
15	256QAM	36	39	18.17	18.40	18.19	20.10
15	256QAM	75	0	18.22	18.45	18.25	20.10
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.34	23.64	23.49	25.10
10	QPSK	1	25	23.12	23.27	23.11	25.10
10	QPSK	1	49	23.20	23.38	23.13	25.10
10	QPSK	25	0	22.20	22.52	22.24	24.10
10	QPSK	25	12	22.21	22.36	22.27	24.10
10	QPSK	25	25	22.10	22.33	22.17	24.10
10	QPSK	50	0	22.10	22.35	22.11	24.10
10	16QAM	1	0	22.13	22.45	22.17	24.10
10	16QAM	1	25	22.11	22.30	22.10	24.10
10	16QAM	1	49	22.22	22.44	22.25	24.10
10	16QAM	25	0	21.34	21.57	21.43	23.10
10	16QAM	25	12	21.10	21.35	21.14	23.10
10	16QAM	25	25	21.10	21.33	21.17	23.10
10	16QAM	50	0	21.20	21.40	21.30	23.10
10	64QAM	1	0	21.11	21.30	21.10	23.10
10	64QAM	1	25	21.25	21.52	21.20	23.10
10	64QAM	1	49	21.14	21.35	21.10	23.10
10	64QAM	25	0	20.20	20.41	20.23	22.10
10	64QAM	25	12	20.11	20.30	20.11	22.10
10	64QAM	25	25	20.24	20.48	20.14	22.10
10	64QAM	50	0	20.16	20.49	20.20	22.10
10	256QAM	1	0	18.12	18.28	18.10	20.10
10	256QAM	1	25	18.19	18.28	18.12	20.10
10	256QAM	1	49	18.19	18.39	18.14	20.10
10	256QAM	25	0	18.31	18.54	18.32	20.10
10	256QAM	25	12	18.11	18.26	18.12	20.10
10	256QAM	25	25	18.12	18.34	18.10	20.10
10	256QAM	50	0	18.12	18.44	18.26	20.10
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.42	23.55	23.38	25.10
5	QPSK	1	12	23.10	23.28	23.10	25.10
5	QPSK	1	24	23.15	23.30	23.23	25.10
5	QPSK	12	0	22.12	22.41	22.27	24.10
5	QPSK	12	7	22.23	22.42	22.26	24.10
5	QPSK	12	13	22.10	22.43	22.17	24.10
5	QPSK	25	0	22.11	22.41	22.12	24.10
5	16QAM	1	0	22.10	22.40	22.14	24.10
5	16QAM	1	12	22.10	22.20	22.12	24.10
5	16QAM	1	24	22.13	22.39	22.23	24.10
5	16QAM	12	0	21.28	21.66	21.40	23.10
5	16QAM	12	7	21.10	21.36	21.15	23.10
5	16QAM	12	13	21.12	21.40	21.20	23.10
5	16QAM	25	0	21.11	21.41	21.19	23.10
5	64QAM	1	0	21.11	21.29	21.15	23.10
5	64QAM	1	12	21.12	21.41	21.22	23.10
5	64QAM	1	24	21.17	21.40	21.20	23.10
5	64QAM	12	0	20.16	20.44	20.20	22.10
5	64QAM	12	7	20.12	20.31	20.11	22.10
5	64QAM	12	13	20.27	20.44	20.25	22.10
5	64QAM	25	0	20.25	20.47	20.15	22.10
5	256QAM	1	0	18.10	18.24	18.10	20.10
5	256QAM	1	12	18.17	18.30	18.11	20.10
5	256QAM	1	24	18.19	18.40	18.10	20.10
5	256QAM	12	0	18.25	18.44	18.33	20.10
5	256QAM	12	7	18.12	18.29	18.10	20.10



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5	256QAM	12	13	18.16	18.40	18.20	20.10
5	256QAM	25	0	18.12	18.40	18.28	20.10
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.42	23.62	23.49	25.10
3	QPSK	1	8	23.11	23.30	23.10	25.10
3	QPSK	1	14	23.13	23.41	23.17	25.10
3	QPSK	8	0	22.24	22.51	22.20	24.10
3	QPSK	8	4	22.13	22.42	22.16	24.10
3	QPSK	8	7	22.14	22.40	22.16	24.10
3	QPSK	15	0	22.10	22.43	22.13	24.10
3	16QAM	1	0	22.16	22.48	22.11	24.10
3	16QAM	1	8	22.10	22.27	22.10	24.10
3	16QAM	1	14	22.25	22.42	22.26	24.10
3	16QAM	8	0	21.39	21.64	21.39	23.10
3	16QAM	8	4	21.14	21.43	21.10	23.10
3	16QAM	8	7	21.11	21.39	21.11	23.10
3	16QAM	15	0	21.15	21.43	21.25	23.10
3	64QAM	1	0	21.10	21.30	21.17	23.10
3	64QAM	1	8	21.18	21.40	21.27	23.10
3	64QAM	1	14	21.14	21.35	21.12	23.10
3	64QAM	8	0	20.21	20.44	20.21	22.10
3	64QAM	8	4	20.10	20.35	20.15	22.10
3	64QAM	8	7	20.19	20.41	20.17	22.10
3	64QAM	15	0	20.26	20.39	20.15	22.10
3	256QAM	1	0	18.11	18.30	18.10	20.10
3	256QAM	1	8	18.14	18.28	18.17	20.10
3	256QAM	1	14	18.12	18.32	18.22	20.10
3	256QAM	8	0	18.39	18.54	18.34	20.10
3	256QAM	8	4	18.11	18.18	18.11	20.10
3	256QAM	8	7	18.10	18.43	18.11	20.10
3	256QAM	15	0	18.19	18.37	18.35	20.10
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.41	23.61	23.45	25.10
1.4	QPSK	1	3	23.11	23.24	23.10	25.10
1.4	QPSK	1	5	23.14	23.34	23.24	25.10
1.4	QPSK	3	0	23.18	23.42	23.20	25.10
1.4	QPSK	3	1	23.22	23.32	23.21	25.10
1.4	QPSK	3	3	23.13	23.39	23.12	25.10
1.4	QPSK	6	0	22.11	22.45	22.10	24.10
1.4	16QAM	1	0	22.11	22.45	22.17	24.10
1.4	16QAM	1	3	22.10	22.21	22.11	24.10
1.4	16QAM	1	5	22.17	22.45	22.21	24.10
1.4	16QAM	3	0	22.34	22.55	22.41	24.10
1.4	16QAM	3	1	22.11	22.42	22.17	24.10
1.4	16QAM	3	3	22.18	22.33	22.16	24.10
1.4	16QAM	6	0	21.18	21.34	21.26	23.10
1.4	64QAM	1	0	21.10	21.28	21.11	23.10
1.4	64QAM	1	3	21.18	21.40	21.29	23.10
1.4	64QAM	1	5	21.11	21.37	21.10	23.10
1.4	64QAM	3	0	21.21	21.39	21.23	23.10
1.4	64QAM	3	1	21.10	21.28	21.10	23.10
1.4	64QAM	3	3	21.19	21.45	21.17	23.10
1.4	64QAM	6	0	20.19	20.49	20.21	22.10
1.4	256QAM	1	0	18.10	18.19	18.10	20.10
1.4	256QAM	1	3	18.24	18.31	18.12	20.10
1.4	256QAM	1	5	18.19	18.42	18.22	20.10
1.4	256QAM	3	0	18.36	18.57	18.28	20.10
1.4	256QAM	3	1	18.10	18.26	18.10	20.10
1.4	256QAM	3	3	18.11	18.32	18.13	20.10
1.4	256QAM	6	0	18.21	18.40	18.35	20.10

【LTE Band 25_Ant 5_DSI0】

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	23.49	23.67	23.52	25.10
20	QPSK	1	49	23.11	23.35	23.10	25.10
20	QPSK	1	99	23.22	23.44	23.27	25.10
20	QPSK	50	0	22.25	22.53	22.32	24.10
20	QPSK	50	24	22.27	22.46	22.29	24.10
20	QPSK	50	50	22.16	22.44	22.23	24.10
20	QPSK	100	0	22.18	22.46	22.18	24.10
20	16QAM	1	0	22.24	22.51	22.22	24.10
20	16QAM	1	49	22.12	22.33	22.17	24.10
20	16QAM	1	99	22.27	22.52	22.35	24.10
20	16QAM	50	0	21.42	21.70	21.54	23.10
20	16QAM	50	24	21.17	21.47	21.21	23.10
20	16QAM	50	50	21.24	21.42	21.24	23.10
20	16QAM	100	0	21.22	21.48	21.32	23.10
20	64QAM	1	0	21.12	21.39	21.19	23.10
20	64QAM	1	49	21.27	21.54	21.31	23.10
20	64QAM	1	99	21.22	21.48	21.22	23.10
20	64QAM	50	0	20.24	20.47	20.30	22.10
20	64QAM	50	24	20.11	20.40	20.18	22.10
20	64QAM	50	50	20.32	20.50	20.28	22.10
20	64QAM	100	0	20.29	20.54	20.29	22.10
20	256QAM	1	0	18.11	18.33	18.10	20.10
20	256QAM	1	49	18.26	18.42	18.26	20.10
20	256QAM	1	99	18.23	18.46	18.24	20.10
20	256QAM	50	0	18.40	18.58	18.41	20.10
20	256QAM	50	24	18.12	18.32	18.11	20.10
20	256QAM	50	50	18.19	18.44	18.21	20.10
20	256QAM	100	0	18.25	18.51	18.37	20.10
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.40	23.66	23.44	25.10
15	QPSK	1	37	23.11	23.22	23.12	25.10
15	QPSK	1	74	23.11	23.32	23.18	25.10
15	QPSK	36	0	22.10	22.40	22.19	24.10
15	QPSK	36	20	22.17	22.38	22.21	24.10
15	QPSK	36	39	22.14	22.30	22.18	24.10
15	QPSK	75	0	22.14	22.33	22.10	24.10
15	16QAM	1	0	22.13	22.50	22.11	24.10
15	16QAM	1	37	22.10	22.30	22.12	24.10
15	16QAM	1	74	22.13	22.38	22.33	24.10
15	16QAM	36	0	21.38	21.65	21.43	23.10
15	16QAM	36	20	21.12	21.33	21.15	23.10
15	16QAM	36	39	21.23	21.29	21.22	23.10
15	16QAM	75	0	21.13	21.34	21.22	23.10
15	64QAM	1	0	21.11	21.26	21.10	23.10
15	64QAM	1	37	21.20	21.45	21.26	23.10
15	64QAM	1	74	21.11	21.44	21.14	23.10
15	64QAM	36	0	20.22	20.43	20.21	22.10
15	64QAM	36	20	20.10	20.34	20.11	22.10
15	64QAM	36	39	20.27	20.46	20.19	22.10
15	64QAM	75	0	20.26	20.40	20.17	22.10
15	256QAM	1	0	18.10	18.22	18.10	20.10
15	256QAM	1	37	18.17	18.28	18.24	20.10
15	256QAM	1	74	18.12	18.36	18.17	20.10
15	256QAM	36	0	18.39	18.46	18.35	20.10
15	256QAM	36	20	18.11	18.23	18.10	20.10
15	256QAM	36	39	18.17	18.40	18.19	20.10
15	256QAM	75	0	18.22	18.45	18.25	20.10
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.34	23.64	23.49	25.10
10	QPSK	1	25	23.12	23.27	23.11	25.10
10	QPSK	1	49	23.20	23.38	23.13	25.10
10	QPSK	25	0	22.20	22.52	22.24	24.10
10	QPSK	25	12	22.21	22.36	22.27	24.10
10	QPSK	25	25	22.10	22.33	22.17	24.10
10	QPSK	50	0	22.10	22.35	22.11	24.10
10	16QAM	1	0	22.13	22.45	22.17	24.10
10	16QAM	1	25	22.11	22.30	22.10	24.10
10	16QAM	1	49	22.22	22.44	22.25	24.10
10	16QAM	25	0	21.34	21.57	21.43	23.10



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10	16QAM	25	12	21.10	21.35	21.14	23.10
10	16QAM	25	25	21.10	21.33	21.17	23.10
10	16QAM	50	0	21.20	21.40	21.30	23.10
10	64QAM	1	0	21.11	21.30	21.10	23.10
10	64QAM	1	25	21.25	21.52	21.20	23.10
10	64QAM	1	49	21.14	21.35	21.10	23.10
10	64QAM	25	0	20.20	20.41	20.23	22.10
10	64QAM	25	12	20.11	20.30	20.11	22.10
10	64QAM	25	25	20.24	20.48	20.14	22.10
10	64QAM	50	0	20.16	20.49	20.20	22.10
10	256QAM	1	0	18.12	18.28	18.10	20.10
10	256QAM	1	25	18.19	18.28	18.12	20.10
10	256QAM	1	49	18.19	18.39	18.14	20.10
10	256QAM	25	0	18.31	18.54	18.32	20.10
10	256QAM	25	12	18.11	18.26	18.12	20.10
10	256QAM	25	25	18.12	18.34	18.10	20.10
10	256QAM	50	0	18.12	18.44	18.26	20.10
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.42	23.55	23.38	25.10
5	QPSK	1	12	23.10	23.28	23.10	25.10
5	QPSK	1	24	23.15	23.30	23.23	25.10
5	QPSK	12	0	22.12	22.41	22.27	24.10
5	QPSK	12	7	22.23	22.42	22.26	24.10
5	QPSK	12	13	22.10	22.43	22.17	24.10
5	QPSK	25	0	22.11	22.41	22.12	24.10
5	16QAM	1	0	22.10	22.40	22.14	24.10
5	16QAM	1	12	22.10	22.20	22.12	24.10
5	16QAM	1	24	22.13	22.39	22.23	24.10
5	16QAM	12	0	21.28	21.66	21.40	23.10
5	16QAM	12	7	21.10	21.36	21.15	23.10
5	16QAM	12	13	21.12	21.40	21.20	23.10
5	16QAM	25	0	21.11	21.41	21.19	23.10
5	64QAM	1	0	21.11	21.29	21.15	23.10
5	64QAM	1	12	21.12	21.41	21.22	23.10
5	64QAM	1	24	21.17	21.40	21.20	23.10
5	64QAM	12	0	20.16	20.44	20.20	22.10
5	64QAM	12	7	20.12	20.31	20.11	22.10
5	64QAM	12	13	20.27	20.44	20.25	22.10
5	64QAM	25	0	20.25	20.47	20.15	22.10
5	256QAM	1	0	18.10	18.24	18.10	20.10
5	256QAM	1	12	18.17	18.30	18.11	20.10
5	256QAM	1	24	18.19	18.40	18.10	20.10
5	256QAM	12	0	18.25	18.44	18.33	20.10
5	256QAM	12	7	18.12	18.29	18.10	20.10
5	256QAM	12	13	18.16	18.40	18.20	20.10
5	256QAM	25	0	18.12	18.40	18.28	20.10
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.42	23.62	23.49	25.10
3	QPSK	1	8	23.11	23.30	23.10	25.10
3	QPSK	1	14	23.13	23.41	23.17	25.10
3	QPSK	8	0	22.24	22.51	22.20	24.10
3	QPSK	8	4	22.13	22.42	22.16	24.10
3	QPSK	8	7	22.14	22.40	22.16	24.10
3	QPSK	15	0	22.10	22.43	22.13	24.10
3	16QAM	1	0	22.16	22.48	22.11	24.10
3	16QAM	1	8	22.10	22.27	22.10	24.10
3	16QAM	1	14	22.25	22.42	22.26	24.10
3	16QAM	8	0	21.39	21.64	21.39	23.10
3	16QAM	8	4	21.14	21.43	21.10	23.10
3	16QAM	8	7	21.11	21.39	21.11	23.10
3	16QAM	15	0	21.15	21.43	21.25	23.10
3	64QAM	1	0	21.10	21.30	21.17	23.10
3	64QAM	1	8	21.18	21.40	21.27	23.10
3	64QAM	1	14	21.14	21.35	21.12	23.10
3	64QAM	8	0	20.21	20.44	20.21	22.10
3	64QAM	8	4	20.10	20.35	20.15	22.10
3	64QAM	8	7	20.19	20.41	20.17	22.10
3	64QAM	15	0	20.26	20.39	20.15	22.10
3	256QAM	1	0	18.11	18.30	18.10	20.10
3	256QAM	1	8	18.14	18.28	18.17	20.10
3	256QAM	1	14	18.12	18.32	18.22	20.10
3	256QAM	8	0	18.39	18.54	18.34	20.10
3	256QAM	8	4	18.11	18.18	18.11	20.10
3	256QAM	8	7	18.10	18.43	18.11	20.10
3	256QAM	15	0	18.19	18.37	18.35	20.10
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.41	23.61	23.45	25.10
1.4	QPSK	1	3	23.11	23.24	23.10	25.10
1.4	QPSK	1	5	23.14	23.34	23.24	25.10
1.4	QPSK	3	0	23.18	23.42	23.20	25.10
1.4	QPSK	3	1	23.22	23.32	23.21	25.10
1.4	QPSK	3	3	23.13	23.39	23.12	25.10
1.4	QPSK	6	0	22.11	22.45	22.10	24.10
1.4	16QAM	1	0	22.11	22.45	22.17	24.10
1.4	16QAM	1	3	22.10	22.21	22.11	24.10
1.4	16QAM	1	5	22.17	22.45	22.21	24.10
1.4	16QAM	3	0	22.34	22.55	22.41	24.10
1.4	16QAM	3	1	22.11	22.42	22.17	24.10
1.4	16QAM	3	3	22.18	22.33	22.16	24.10
1.4	16QAM	6	0	21.18	21.34	21.26	23.10
1.4	64QAM	1	0	21.10	21.28	21.11	23.10
1.4	64QAM	1	3	21.18	21.40	21.29	23.10
1.4	64QAM	1	5	21.11	21.37	21.10	23.10
1.4	64QAM	3	0	21.21	21.39	21.23	23.10
1.4	64QAM	3	1	21.10	21.28	21.10	23.10
1.4	64QAM	3	3	21.19	21.45	21.17	23.10
1.4	64QAM	6	0	20.19	20.49	20.21	22.10
1.4	256QAM	1	0	18.10	18.19	18.10	20.10
1.4	256QAM	1	3	18.24	18.31	18.12	20.10
1.4	256QAM	1	5	18.19	18.42	18.22	20.10
1.4	256QAM	3	0	18.36	18.57	18.28	20.10
1.4	256QAM	3	1	18.10	18.26	18.10	20.10
1.4	256QAM	3	3	18.11	18.32	18.13	20.10
1.4	256QAM	6	0	18.21	18.40	18.35	20.10

【LTE Band 25_Ant 5_DSI7】

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	16.18	16.29	16.08	16.80
20	QPSK	1	49	16.02	16.14	15.96	16.80
20	QPSK	1	99	16.04	16.18	15.92	16.80
20	QPSK	50	0	16.10	16.14	16.11	16.80
20	QPSK	50	24	15.90	16.04	15.94	16.80
20	QPSK	50	50	15.91	15.88	15.93	16.80
20	QPSK	100	0	15.70	16.02	15.68	16.80
20	16QAM	1	0	15.91	15.89	15.96	16.80
20	16QAM	1	49	15.82	15.93	15.92	16.80
20	16QAM	1	99	15.83	16.03	15.94	16.80
20	16QAM	50	0	16.00	15.97	15.93	16.80
20	16QAM	50	24	15.93	16.04	16.24	16.80
20	16QAM	50	50	16.03	16.08	16.17	16.80
20	16QAM	100	0	16.01	16.18	16.06	16.80
20	64QAM	1	0	16.05	16.07	16.10	16.80
20	64QAM	1	49	15.94	15.96	16.19	16.80
20	64QAM	1	99	15.95	16.13	16.08	16.80
20	64QAM	50	0	16.11	16.02	16.03	16.80
20	64QAM	50	24	15.95	16.07	16.08	16.80
20	64QAM	50	50	15.98	16.02	16.17	16.80
20	64QAM	100	0	16.08	16.04	16.01	16.80
20	256QAM	1	0	16.09	16.05	16.00	16.80
20	256QAM	1	49	15.96	16.22	15.94	16.80
20	256QAM	1	99	15.99	16.07	16.12	16.80
20	256QAM	50	0	15.88	16.16	16.07	16.80
20	256QAM	50	24	15.84	15.97	15.93	16.80
20	256QAM	50	50	15.91	16.12	15.91	16.80
20	256QAM	100	0	16.07	15.95	15.99	16.80
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.05	16.27	16.05	16.80
15	QPSK	1	37	15.97	16.10	15.82	16.80
15	QPSK	1	74	15.97	16.08	15.91	16.80
15	QPSK	36	0	16.01	16.02	16.08	16.80
15	QPSK	36	20	15.83	15.91	15.80	16.80
15	QPSK	36	39	15.80	15.76	15.85	16.80
15	QPSK	75	0	15.62	15.97	15.66	16.80
15	16QAM	1	0	15.80	15.76	15.89	16.80



15	16QAM	1	37	15.70	15.83	15.90	16.80
15	16QAM	1	74	15.72	16.02	15.83	16.80
15	16QAM	36	0	15.90	15.93	15.85	16.80
15	16QAM	36	20	15.90	15.99	16.12	16.80
15	16QAM	36	39	15.96	16.01	16.08	16.80
15	16QAM	75	0	16.00	16.08	16.05	16.80
15	64QAM	1	0	16.00	15.93	16.00	16.80
15	64QAM	1	37	15.87	15.87	16.18	16.80
15	64QAM	1	74	15.80	16.04	15.93	16.80
15	64QAM	36	0	15.99	15.92	16.00	16.80
15	64QAM	36	20	15.87	16.04	15.98	16.80
15	64QAM	36	39	15.91	16.01	16.15	16.80
15	64QAM	75	0	15.93	16.00	15.87	16.80
15	256QAM	1	0	15.99	16.01	15.99	16.80
15	256QAM	1	37	15.82	16.12	15.92	16.80
15	256QAM	1	74	15.97	16.02	16.02	16.80
15	256QAM	36	0	15.86	16.06	15.95	16.80
15	256QAM	36	20	15.82	15.91	15.91	16.80
15	256QAM	36	39	15.81	16.06	15.85	16.80
15	256QAM	75	0	15.98	15.86	15.88	16.80
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	16.16	16.16	15.97	16.80
10	QPSK	1	25	15.97	16.05	15.92	16.80
10	QPSK	1	49	16.00	16.16	15.79	16.80
10	QPSK	25	0	16.01	15.99	15.99	16.80
10	QPSK	25	12	15.83	16.02	15.80	16.80
10	QPSK	25	25	15.77	15.85	15.79	16.80
10	QPSK	50	0	15.59	15.90	15.60	16.80
10	16QAM	1	0	15.88	15.74	15.85	16.80
10	16QAM	1	25	15.69	15.83	15.81	16.80
10	16QAM	1	49	15.80	16.01	15.80	16.80
10	16QAM	25	0	15.94	15.89	15.84	16.80
10	16QAM	25	12	15.81	15.94	16.14	16.80
10	16QAM	25	25	15.95	15.93	16.03	16.80
10	16QAM	50	0	15.98	16.09	15.95	16.80
10	64QAM	1	0	15.99	16.01	16.02	16.80
10	64QAM	1	25	15.83	15.92	16.11	16.80
10	64QAM	1	49	15.94	16.09	15.96	16.80
10	64QAM	25	0	16.00	16.00	15.88	16.80
10	64QAM	25	12	15.93	16.00	16.02	16.80
10	64QAM	25	25	15.88	15.88	16.10	16.80
10	64QAM	50	0	16.01	15.95	15.91	16.80
10	256QAM	1	0	15.97	16.03	15.97	16.80
10	256QAM	1	25	15.89	16.08	15.89	16.80
10	256QAM	1	49	15.87	15.94	16.03	16.80
10	256QAM	25	0	15.75	16.04	15.99	16.80
10	256QAM	25	12	15.77	15.83	15.83	16.80
10	256QAM	25	25	15.90	16.03	15.82	16.80
10	256QAM	50	0	16.03	15.91	15.85	16.80
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.06	16.14	15.99	16.80
5	QPSK	1	12	16.01	16.02	15.95	16.80
5	QPSK	1	24	15.93	16.11	15.82	16.80
5	QPSK	12	0	16.02	16.13	16.01	16.80
5	QPSK	12	7	15.83	16.00	15.91	16.80
5	QPSK	12	13	15.90	15.77	15.92	16.80
5	QPSK	25	0	15.59	15.91	15.57	16.80
5	16QAM	1	0	15.83	15.75	15.84	16.80
5	16QAM	1	12	15.73	15.82	15.90	16.80
5	16QAM	1	24	15.75	15.91	15.86	16.80
5	16QAM	12	0	15.90	15.83	15.83	16.80
5	16QAM	12	7	15.87	16.00	16.15	16.80
5	16QAM	12	13	15.98	15.98	16.16	16.80
5	16QAM	25	0	15.94	16.06	16.00	16.80
5	64QAM	1	0	16.02	15.98	16.00	16.80
5	64QAM	1	12	15.87	15.91	16.13	16.80
5	64QAM	1	24	15.85	16.08	15.94	16.80
5	64QAM	12	0	16.01	15.88	15.97	16.80
5	64QAM	12	7	15.92	15.98	16.04	16.80
5	64QAM	12	13	15.91	15.94	16.07	16.80
5	64QAM	25	0	16.04	16.01	15.99	16.80
5	256QAM	1	0	15.96	15.92	15.93	16.80
5	256QAM	1	12	15.86	16.15	15.84	16.80
5	256QAM	1	24	15.96	15.94	16.07	16.80
5	256QAM	12	0	15.83	16.12	15.99	16.80
5	256QAM	12	7	15.69	15.93	15.80	16.80



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5	256QAM	12	13	15.81	16.06	15.83	16.80
5	256QAM	25	0	16.04	15.91	15.93	16.80
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.05	16.27	16.02	16.80
3	QPSK	1	8	15.88	16.04	15.85	16.80
3	QPSK	1	14	15.92	16.12	15.82	16.80
3	QPSK	8	0	16.01	16.01	15.99	16.80
3	QPSK	8	4	15.87	15.94	15.89	16.80
3	QPSK	8	7	15.79	15.74	15.84	16.80
3	QPSK	15	0	15.64	15.93	15.59	16.80
3	16QAM	1	0	15.87	15.85	15.89	16.80
3	16QAM	1	8	15.79	15.89	15.79	16.80
3	16QAM	1	14	15.75	15.94	15.89	16.80
3	16QAM	8	0	15.94	15.86	15.89	16.80
3	16QAM	8	4	15.85	16.01	16.16	16.80
3	16QAM	8	7	15.91	15.98	16.12	16.80
3	16QAM	15	0	15.89	16.07	15.94	16.80
3	64QAM	1	0	15.99	16.02	16.09	16.80
3	64QAM	1	8	15.89	15.93	16.16	16.80
3	64QAM	1	14	15.87	16.08	15.99	16.80
3	64QAM	8	0	16.04	15.93	15.94	16.80
3	64QAM	8	4	15.88	15.98	15.99	16.80
3	64QAM	8	7	15.89	15.96	16.07	16.80
3	64QAM	15	0	15.94	15.97	15.99	16.80
3	256QAM	1	0	15.97	15.94	15.99	16.80
3	256QAM	1	8	15.93	16.19	15.81	16.80
3	256QAM	1	14	15.91	15.99	16.06	16.80
3	256QAM	8	0	15.83	16.02	15.93	16.80
3	256QAM	8	4	15.77	15.96	15.89	16.80
3	256QAM	8	7	15.82	16.00	15.79	16.80
3	256QAM	15	0	15.94	15.88	15.88	16.80
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.06	16.27	15.99	16.80
1.4	QPSK	1	3	15.92	16.09	15.82	16.80
1.4	QPSK	1	5	15.91	16.15	15.77	16.80
1.4	QPSK	3	0	16.05	16.00	16.05	16.80
1.4	QPSK	3	1	15.78	16.02	15.90	16.80
1.4	QPSK	3	3	15.83	15.77	15.79	16.80
1.4	QPSK	6	0	15.58	15.87	15.66	16.80
1.4	16QAM	1	0	15.86	15.81	15.86	16.80
1.4	16QAM	1	3	15.80	15.91	15.79	16.80
1.4	16QAM	1	5	15.73	15.93	15.86	16.80
1.4	16QAM	3	0	15.86	15.92	15.89	16.80
1.4	16QAM	3	1	15.84	15.92	16.10	16.80
1.4	16QAM	3	3	15.97	16.03	16.08	16.80
1.4	16QAM	6	0	15.99	16.12	15.97	16.80
1.4	64QAM	1	0	15.95	16.01	16.07	16.80
1.4	64QAM	1	3	15.79	15.84	16.16	16.80
1.4	64QAM	1	5	15.84	16.00	15.95	16.80
1.4	64QAM	3	0	16.04	15.89	16.00	16.80
1.4	64QAM	3	1	15.87	15.95	15.96	16.80
1.4	64QAM	3	3	15.94	15.90	16.14	16.80
1.4	64QAM	6	0	15.97	15.98	15.89	16.80
1.4	256QAM	1	0	16.06	15.92	15.98	16.80
1.4	256QAM	1	3	15.84	16.19	15.85	16.80
1.4	256QAM	1	5	15.94	15.92	16.09	16.80
1.4	256QAM	3	0	15.77	16.08	15.97	16.80
1.4	256QAM	3	1	15.77	15.89	15.86	16.80
1.4	256QAM	3	3	15.81	15.99	15.89	16.80
1.4	256QAM	6	0	16.03	15.88	15.95	16.80

【LTE Band 26 FCC (814~849MHz)_Ant 8_Full power】

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	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.22	24.25	24.10	25.10
15	QPSK	1	37	23.96	24.13	23.92	25.10
15	QPSK	1	74	24.08	24.19	23.95	25.10
15	QPSK	36	0	23.12	23.19	22.96	24.10
15	QPSK	36	20	23.03	23.14	22.94	24.10
15	QPSK	36	39	22.91	23.04	22.76	24.10
15	QPSK	75	0	22.89	23.02	22.73	24.10
15	16QAM	1	0	23.34	23.50	23.26	24.10
15	16QAM	1	37	23.20	23.31	23.15	24.10
15	16QAM	1	74	23.28	23.38	23.17	24.10
15	16QAM	36	0	22.26	22.30	22.10	23.10
15	16QAM	36	20	22.00	22.07	21.80	23.10
15	16QAM	36	39	21.94	22.08	21.89	23.10
15	16QAM	75	0	22.18	22.29	22.09	23.10
15	64QAM	1	0	22.33	22.38	22.14	23.10
15	64QAM	1	37	22.28	22.33	22.07	23.10
15	64QAM	1	74	22.17	22.24	22.05	23.10
15	64QAM	36	0	21.10	21.16	20.98	22.10
15	64QAM	36	20	20.87	20.96	20.75	22.10
15	64QAM	36	39	20.87	20.93	20.78	22.10
15	64QAM	75	0	20.93	21.03	20.85	22.10
15	256QAM	1	0	19.20	19.33	19.08	20.10
15	256QAM	1	37	19.20	19.32	19.09	20.10
15	256QAM	1	74	19.31	19.35	19.20	20.10
15	256QAM	36	0	19.34	19.40	19.22	20.10
15	256QAM	36	20	19.18	19.30	19.06	20.10
15	256QAM	36	39	19.27	19.33	19.16	20.10
15	256QAM	75	0	19.15	19.29	19.10	20.10
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.09	24.16	23.97	25.10
10	QPSK	1	25	23.88	24.09	23.77	25.10
10	QPSK	1	49	24.07	24.11	23.86	25.10
10	QPSK	25	0	23.05	23.18	22.83	24.10
10	QPSK	25	12	22.91	23.10	22.92	24.10
10	QPSK	25	25	22.87	22.92	22.73	24.10
10	QPSK	50	0	22.78	22.97	22.63	24.10
10	16QAM	1	0	23.32	23.47	23.13	24.10
10	16QAM	1	25	23.14	23.21	23.03	24.10
10	16QAM	1	49	23.26	23.28	23.11	24.10
10	16QAM	25	0	22.20	22.23	22.09	23.10
10	16QAM	25	12	21.95	22.03	21.70	23.10
10	16QAM	25	25	21.90	22.07	21.87	23.10
10	16QAM	50	0	22.12	22.27	22.08	23.10
10	64QAM	1	0	22.24	22.29	22.00	23.10
10	64QAM	1	25	22.25	22.23	21.95	23.10
10	64QAM	1	49	22.16	22.17	21.90	23.10
10	64QAM	25	0	20.98	21.12	20.86	22.10
10	64QAM	25	12	20.75	20.92	20.73	22.10
10	64QAM	25	25	20.75	20.86	20.74	22.10
10	64QAM	50	0	20.90	20.90	20.72	22.10
10	256QAM	1	0	19.08	19.32	18.95	20.10
10	256QAM	1	25	19.14	19.20	19.01	20.10
10	256QAM	1	49	19.23	19.29	19.09	20.10
10	256QAM	25	0	19.30	19.34	19.12	20.10
10	256QAM	25	12	19.11	19.28	18.93	20.10
10	256QAM	25	25	19.18	19.22	19.09	20.10
10	256QAM	50	0	19.02	19.27	18.95	20.10
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.09	24.19	24.08	25.10
5	QPSK	1	12	23.85	24.12	23.79	25.10
5	QPSK	1	24	23.95	24.09	23.88	25.10
5	QPSK	12	0	23.07	23.09	22.87	24.10
5	QPSK	12	7	22.97	23.01	22.85	24.10
5	QPSK	12	13	22.86	23.02	22.65	24.10
5	QPSK	25	0	22.88	22.95	22.68	24.10
5	16QAM	1	0	23.21	23.44	23.23	24.10
5	16QAM	1	12	23.18	23.20	23.14	24.10
5	16QAM	1	24	23.18	23.24	23.11	24.10
5	16QAM	12	0	22.20	22.22	22.04	23.10



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5	16QAM	12	7	21.86	21.95	21.74	23.10
5	16QAM	12	13	21.82	21.94	21.86	23.10
5	16QAM	25	0	22.09	22.16	22.05	23.10
5	64QAM	1	0	22.31	22.27	22.11	23.10
5	64QAM	1	12	22.18	22.23	22.03	23.10
5	64QAM	1	24	22.02	22.14	21.96	23.10
5	64QAM	12	0	21.08	21.04	20.89	22.10
5	64QAM	12	7	20.79	20.92	20.66	22.10
5	64QAM	12	13	20.86	20.86	20.63	22.10
5	64QAM	25	0	20.81	20.95	20.74	22.10
5	256QAM	1	0	19.16	19.20	18.95	20.10
5	256QAM	1	12	19.10	19.27	19.03	20.10
5	256QAM	1	24	19.22	19.29	19.12	20.10
5	256QAM	12	0	19.21	19.35	19.19	20.10
5	256QAM	12	7	19.04	19.25	18.95	20.10
5	256QAM	12	13	19.19	19.19	19.12	20.10
5	256QAM	25	0	19.07	19.19	19.07	20.10
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.20	24.23	24.01	25.10
3	QPSK	1	8	23.95	23.99	23.81	25.10
3	QPSK	1	14	24.03	24.11	23.90	25.10
3	QPSK	8	0	23.01	23.11	22.94	24.10
3	QPSK	8	4	22.92	23.05	22.91	24.10
3	QPSK	8	7	22.76	23.02	22.75	24.10
3	QPSK	15	0	22.80	22.93	22.62	24.10
3	16QAM	1	0	23.31	23.49	23.15	24.10
3	16QAM	1	8	23.13	23.27	23.08	24.10
3	16QAM	1	14	23.27	23.29	23.06	24.10
3	16QAM	8	0	22.19	22.28	22.03	23.10
3	16QAM	8	4	21.95	22.03	21.69	23.10
3	16QAM	8	7	21.83	21.95	21.75	23.10
3	16QAM	15	0	22.08	22.25	22.02	23.10
3	64QAM	1	0	22.22	22.37	22.12	23.10
3	64QAM	1	8	22.22	22.25	21.92	23.10
3	64QAM	1	14	22.02	22.13	22.01	23.10
3	64QAM	8	0	20.96	21.09	20.84	22.10
3	64QAM	8	4	20.84	20.93	20.71	22.10
3	64QAM	8	7	20.83	20.92	20.72	22.10
3	64QAM	15	0	20.83	20.97	20.76	22.10
3	256QAM	1	0	19.10	19.28	18.98	20.10
3	256QAM	1	8	19.08	19.20	18.95	20.10
3	256QAM	1	14	19.26	19.27	19.10	20.10
3	256QAM	8	0	19.23	19.32	19.12	20.10
3	256QAM	8	4	19.08	19.28	18.92	20.10
3	256QAM	8	7	19.24	19.22	19.11	20.10
3	256QAM	15	0	19.04	19.15	18.95	20.10
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.10	24.12	24.01	25.10
1.4	QPSK	1	3	23.85	24.09	23.85	25.10
1.4	QPSK	1	5	24.05	24.17	23.92	25.10
1.4	QPSK	3	0	24.05	24.15	23.84	25.10
1.4	QPSK	3	1	23.95	24.05	23.80	25.10
1.4	QPSK	3	3	23.87	23.99	23.66	25.10
1.4	QPSK	6	0	22.86	22.91	22.65	24.10
1.4	16QAM	1	0	23.20	23.40	23.17	24.10
1.4	16QAM	1	3	23.09	23.18	23.02	24.10
1.4	16QAM	1	5	23.18	23.25	23.09	24.10
1.4	16QAM	3	0	23.12	23.24	23.03	24.10
1.4	16QAM	3	1	22.87	22.94	22.71	24.10
1.4	16QAM	3	3	22.81	23.06	22.78	24.10
1.4	16QAM	6	0	22.06	22.25	22.04	23.10
1.4	64QAM	1	0	22.21	22.23	22.12	23.10
1.4	64QAM	1	3	22.25	22.23	21.94	23.10
1.4	64QAM	1	5	22.03	22.14	21.90	23.10
1.4	64QAM	3	0	21.99	22.02	21.94	23.10
1.4	64QAM	3	1	21.74	21.89	21.65	23.10
1.4	64QAM	3	3	21.82	21.86	21.66	23.10
1.4	64QAM	6	0	20.85	20.98	20.79	22.10
1.4	256QAM	1	0	19.07	19.32	18.95	20.10
1.4	256QAM	1	3	19.16	19.29	19.01	20.10
1.4	256QAM	1	5	19.19	19.29	19.11	20.10
1.4	256QAM	3	0	19.29	19.26	19.15	20.10
1.4	256QAM	3	1	19.11	19.17	19.01	20.10
1.4	256QAM	3	3	19.24	19.24	19.10	20.10
1.4	256QAM	6	0	19.03	19.18	19.04	20.10

【LTE Band 26 FCC (814~849MHz)_Ant 8_DSI0】

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	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.22	24.25	24.10	25.10
15	QPSK	1	37	23.96	24.13	23.92	25.10
15	QPSK	1	74	24.08	24.19	23.95	25.10
15	QPSK	36	0	23.12	23.19	22.96	24.10
15	QPSK	36	20	23.03	23.14	22.94	24.10
15	QPSK	36	39	22.91	23.04	22.76	24.10
15	QPSK	75	0	22.89	23.02	22.73	24.10
15	16QAM	1	0	23.34	23.50	23.26	24.10
15	16QAM	1	37	23.20	23.31	23.15	24.10
15	16QAM	1	74	23.28	23.38	23.17	24.10
15	16QAM	36	0	22.26	22.30	22.10	23.10
15	16QAM	36	20	22.00	22.07	21.80	23.10
15	16QAM	36	39	21.94	22.08	21.89	23.10
15	16QAM	75	0	22.18	22.29	22.09	23.10
15	64QAM	1	0	22.33	22.38	22.14	23.10
15	64QAM	1	37	22.28	22.33	22.07	23.10
15	64QAM	1	74	22.17	22.24	22.05	23.10
15	64QAM	36	0	21.10	21.16	20.98	22.10
15	64QAM	36	20	20.87	20.96	20.75	22.10
15	64QAM	36	39	20.87	20.93	20.78	22.10
15	64QAM	75	0	20.93	21.03	20.85	22.10
15	256QAM	1	0	19.20	19.33	19.08	20.10
15	256QAM	1	37	19.20	19.32	19.09	20.10
15	256QAM	1	74	19.31	19.35	19.20	20.10
15	256QAM	36	0	19.34	19.40	19.22	20.10
15	256QAM	36	20	19.18	19.30	19.06	20.10
15	256QAM	36	39	19.27	19.33	19.16	20.10
15	256QAM	75	0	19.15	19.29	19.10	20.10
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.09	24.16	23.97	25.10
10	QPSK	1	25	23.88	24.09	23.77	25.10
10	QPSK	1	49	24.07	24.11	23.86	25.10
10	QPSK	25	0	23.05	23.18	22.83	24.10
10	QPSK	25	12	22.91	23.10	22.92	24.10
10	QPSK	25	25	22.87	22.92	22.73	24.10
10	QPSK	50	0	22.78	22.97	22.63	24.10
10	16QAM	1	0	23.32	23.47	23.13	24.10
10	16QAM	1	25	23.14	23.21	23.03	24.10
10	16QAM	1	49	23.26	23.28	23.11	24.10
10	16QAM	25	0	22.20	22.23	22.09	23.10
10	16QAM	25	12	21.95	22.03	21.70	23.10
10	16QAM	25	25	21.90	22.07	21.87	23.10
10	16QAM	50	0	22.12	22.27	22.08	23.10
10	64QAM	1	0	22.24	22.29	22.00	23.10
10	64QAM	1	25	22.25	22.23	21.95	23.10
10	64QAM	1	49	22.16	22.17	21.90	23.10
10	64QAM	25	0	20.98	21.12	20.86	22.10
10	64QAM	25	12	20.75	20.92	20.73	22.10
10	64QAM	25	25	20.75	20.86	20.74	22.10
10	64QAM	50	0	20.90	20.90	20.72	22.10
10	256QAM	1	0	19.08	19.32	18.95	20.10
10	256QAM	1	25	19.14	19.20	19.01	20.10
10	256QAM	1	49	19.23	19.29	19.09	20.10
10	256QAM	25	0	19.30	19.34	19.12	20.10
10	256QAM	25	12	19.11	19.28	18.93	20.10
10	256QAM	25	25	19.18	19.22	19.09	20.10
10	256QAM	50	0	19.02	19.27	18.95	20.10
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.09	24.19	24.08	25.10
5	QPSK	1	12	23.85	24.12	23.79	25.10
5	QPSK	1	24	23.95	24.09	23.88	25.10
5	QPSK	12	0	23.07	23.09	22.87	24.10
5	QPSK	12	7	22.97	23.01	22.85	24.10
5	QPSK	12	13	22.86	23.02	22.65	24.10
5	QPSK	25	0	22.88	22.95	22.68	24.10
5	16QAM	1	0	23.21	23.44	23.23	24.10
5	16QAM	1	12	23.18	23.20	23.14	24.10
5	16QAM	1	24	23.18	23.24	23.11	24.10
5	16QAM	12	0	22.20	22.22	22.04	23.10



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5	16QAM	12	7	21.86	21.95	21.74	23.10
5	16QAM	12	13	21.82	21.94	21.86	23.10
5	16QAM	25	0	22.09	22.16	22.05	23.10
5	64QAM	1	0	22.31	22.27	22.11	23.10
5	64QAM	1	12	22.18	22.23	22.03	23.10
5	64QAM	1	24	22.02	22.14	21.96	23.10
5	64QAM	12	0	21.08	21.04	20.89	22.10
5	64QAM	12	7	20.79	20.92	20.66	22.10
5	64QAM	12	13	20.86	20.86	20.63	22.10
5	64QAM	25	0	20.81	20.95	20.74	22.10
5	256QAM	1	0	19.16	19.20	18.95	20.10
5	256QAM	1	12	19.10	19.27	19.03	20.10
5	256QAM	1	24	19.22	19.29	19.12	20.10
5	256QAM	12	0	19.21	19.35	19.19	20.10
5	256QAM	12	7	19.04	19.25	18.95	20.10
5	256QAM	12	13	19.19	19.19	19.12	20.10
5	256QAM	25	0	19.07	19.19	19.07	20.10
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.20	24.23	24.01	25.10
3	QPSK	1	8	23.95	23.99	23.81	25.10
3	QPSK	1	14	24.03	24.11	23.90	25.10
3	QPSK	8	0	23.01	23.11	22.94	24.10
3	QPSK	8	4	22.92	23.05	22.91	24.10
3	QPSK	8	7	22.76	23.02	22.75	24.10
3	QPSK	15	0	22.80	22.93	22.62	24.10
3	16QAM	1	0	23.31	23.49	23.15	24.10
3	16QAM	1	8	23.13	23.27	23.08	24.10
3	16QAM	1	14	23.27	23.29	23.06	24.10
3	16QAM	8	0	22.19	22.28	22.03	23.10
3	16QAM	8	4	21.95	22.03	21.69	23.10
3	16QAM	8	7	21.83	21.95	21.75	23.10
3	16QAM	15	0	22.08	22.25	22.02	23.10
3	64QAM	1	0	22.22	22.37	22.12	23.10
3	64QAM	1	8	22.22	22.25	21.92	23.10
3	64QAM	1	14	22.02	22.13	22.01	23.10
3	64QAM	8	0	20.96	21.09	20.84	22.10
3	64QAM	8	4	20.84	20.93	20.71	22.10
3	64QAM	8	7	20.83	20.92	20.72	22.10
3	64QAM	15	0	20.83	20.97	20.76	22.10
3	256QAM	1	0	19.10	19.28	18.98	20.10
3	256QAM	1	8	19.08	19.20	18.95	20.10
3	256QAM	1	14	19.26	19.27	19.10	20.10
3	256QAM	8	0	19.23	19.32	19.12	20.10
3	256QAM	8	4	19.08	19.28	18.92	20.10
3	256QAM	8	7	19.24	19.22	19.11	20.10
3	256QAM	15	0	19.04	19.15	18.95	20.10
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.10	24.12	24.01	25.10
1.4	QPSK	1	3	23.85	24.09	23.85	25.10
1.4	QPSK	1	5	24.05	24.17	23.92	25.10
1.4	QPSK	3	0	24.05	24.15	23.84	25.10
1.4	QPSK	3	1	23.95	24.05	23.80	25.10
1.4	QPSK	3	3	23.87	23.99	23.66	25.10
1.4	QPSK	6	0	22.86	22.91	22.65	24.10
1.4	16QAM	1	0	23.20	23.40	23.17	24.10
1.4	16QAM	1	3	23.09	23.18	23.02	24.10
1.4	16QAM	1	5	23.18	23.25	23.09	24.10
1.4	16QAM	3	0	23.12	23.24	23.03	24.10
1.4	16QAM	3	1	22.87	22.94	22.71	24.10
1.4	16QAM	3	3	22.81	23.06	22.78	24.10
1.4	16QAM	6	0	22.06	22.25	22.04	23.10
1.4	64QAM	1	0	22.21	22.23	22.12	23.10
1.4	64QAM	1	3	22.25	22.23	21.94	23.10
1.4	64QAM	1	5	22.03	22.14	21.90	23.10
1.4	64QAM	3	0	21.99	22.02	21.94	23.10
1.4	64QAM	3	1	21.74	21.89	21.65	23.10
1.4	64QAM	3	3	21.82	21.86	21.66	23.10
1.4	64QAM	6	0	20.85	20.98	20.79	22.10
1.4	256QAM	1	0	19.07	19.32	18.95	20.10
1.4	256QAM	1	3	19.16	19.29	19.01	20.10
1.4	256QAM	1	5	19.19	19.29	19.11	20.10
1.4	256QAM	3	0	19.29	19.26	19.15	20.10
1.4	256QAM	3	1	19.11	19.17	19.01	20.10
1.4	256QAM	3	3	19.24	19.24	19.10	20.10
1.4	256QAM	6	0	19.03	19.18	19.04	20.10

【LTE Band 26 FCC (814~849MHz)_Ant 8_DSI7】

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	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.73	20.89	20.66	21.60
15	QPSK	1	37	20.59	20.72	20.68	21.60
15	QPSK	1	74	20.66	20.67	20.67	21.60
15	QPSK	36	0	20.58	20.79	20.66	21.60
15	QPSK	36	20	20.46	20.58	20.56	21.60
15	QPSK	36	39	20.61	20.62	20.49	21.60
15	QPSK	75	0	20.41	20.54	20.42	21.60
15	16QAM	1	0	20.48	20.62	20.54	21.60
15	16QAM	1	37	20.49	20.56	20.54	21.60
15	16QAM	1	74	20.54	20.44	20.50	21.60
15	16QAM	36	0	20.61	20.51	20.61	21.60
15	16QAM	36	20	20.69	20.55	20.65	21.60
15	16QAM	36	39	20.60	20.57	20.68	21.60
15	16QAM	75	0	20.51	20.67	20.70	21.60
15	64QAM	1	0	20.66	20.62	20.66	21.60
15	64QAM	1	37	20.53	20.66	20.64	21.60
15	64QAM	1	74	20.56	20.80	20.69	21.60
15	64QAM	36	0	20.60	20.74	20.55	21.60
15	64QAM	36	20	20.53	20.63	20.57	21.60
15	64QAM	36	39	20.62	20.64	20.67	21.60
15	64QAM	75	0	20.61	20.63	20.72	21.60
15	256QAM	1	0	19.20	19.33	19.08	20.10
15	256QAM	1	37	19.20	19.32	19.09	20.10
15	256QAM	1	74	19.31	19.35	19.20	20.10
15	256QAM	36	0	19.34	19.40	19.22	20.10
15	256QAM	36	20	19.18	19.30	19.06	20.10
15	256QAM	36	39	19.27	19.33	19.16	20.10
15	256QAM	75	0	19.15	19.29	19.10	20.10
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.60	20.78	20.56	21.60
10	QPSK	1	25	20.51	20.62	20.60	21.60
10	QPSK	1	49	20.61	20.57	20.65	21.60
10	QPSK	25	0	20.46	20.67	20.63	21.60
10	QPSK	25	12	20.35	20.56	20.46	21.60
10	QPSK	25	25	20.55	20.54	20.45	21.60
10	QPSK	50	0	20.32	20.48	20.30	21.60
10	16QAM	1	0	20.37	20.55	20.47	21.60
10	16QAM	1	25	20.35	20.53	20.45	21.60
10	16QAM	1	49	20.51	20.38	20.48	21.60
10	16QAM	25	0	20.50	20.49	20.50	21.60
10	16QAM	25	12	20.64	20.53	20.50	21.60
10	16QAM	25	25	20.46	20.55	20.57	21.60
10	16QAM	50	0	20.39	20.56	20.66	21.60
10	64QAM	1	0	20.65	20.59	20.54	21.60
10	64QAM	1	25	20.48	20.52	20.51	21.60
10	64QAM	1	49	20.54	20.73	20.63	21.60
10	64QAM	25	0	20.51	20.70	20.51	21.60
10	64QAM	25	12	20.43	20.52	20.43	21.60
10	64QAM	25	25	20.55	20.52	20.58	21.60
10	64QAM	50	0	20.56	20.61	20.67	21.60
10	256QAM	1	0	19.15	19.28	19.02	20.10
10	256QAM	1	25	19.15	19.19	18.97	20.10
10	256QAM	1	49	19.22	19.27	19.13	20.10
10	256QAM	25	0	19.33	19.28	19.13	20.10
10	256QAM	25	12	19.11	19.25	18.91	20.10
10	256QAM	25	25	19.25	19.22	19.03	20.10
10	256QAM	50	0	19.06	19.14	19.05	20.10
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	20.64	20.84	20.56	21.60
5	QPSK	1	12	20.55	20.59	20.66	21.60
5	QPSK	1	24	20.60	20.64	20.56	21.60
5	QPSK	12	0	20.47	20.70	20.61	21.60
5	QPSK	12	7	20.34	20.55	20.53	21.60
5	QPSK	12	13	20.54	20.48	20.44	21.60
5	QPSK	25	0	20.40	20.47	20.38	21.60
5	16QAM	1	0	20.34	20.48	20.46	21.60
5	16QAM	1	12	20.41	20.52	20.41	21.60
5	16QAM	1	24	20.42	20.43	20.35	21.60
5	16QAM	12	0	20.56	20.44	20.58	21.60



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5	16QAM	12	7	20.54	20.53	20.57	21.60
5	16QAM	12	13	20.45	20.53	20.65	21.60
5	16QAM	25	0	20.39	20.54	20.63	21.60
5	64QAM	1	0	20.61	20.57	20.59	21.60
5	64QAM	1	12	20.50	20.60	20.53	21.60
5	64QAM	1	24	20.42	20.68	20.67	21.60
5	64QAM	12	0	20.52	20.59	20.44	21.60
5	64QAM	12	7	20.42	20.50	20.56	21.60
5	64QAM	12	13	20.48	20.49	20.56	21.60
5	64QAM	25	0	20.59	20.53	20.66	21.60
5	256QAM	1	0	19.17	19.25	18.96	20.10
5	256QAM	1	12	19.10	19.21	18.98	20.10
5	256QAM	1	24	19.29	19.27	19.06	20.10
5	256QAM	12	0	19.26	19.33	19.13	20.10
5	256QAM	12	7	19.13	19.28	18.96	20.10
5	256QAM	12	13	19.21	19.29	19.11	20.10
5	256QAM	25	0	19.06	19.27	19.07	20.10
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	20.64	20.81	20.57	21.60
3	QPSK	1	8	20.52	20.59	20.66	21.60
3	QPSK	1	14	20.57	20.53	20.54	21.60
3	QPSK	8	0	20.54	20.68	20.60	21.60
3	QPSK	8	4	20.36	20.56	20.50	21.60
3	QPSK	8	7	20.55	20.60	20.38	21.60
3	QPSK	15	0	20.31	20.39	20.35	21.60
3	16QAM	1	0	20.37	20.52	20.48	21.60
3	16QAM	1	8	20.46	20.49	20.43	21.60
3	16QAM	1	14	20.43	20.41	20.48	21.60
3	16QAM	8	0	20.50	20.37	20.48	21.60
3	16QAM	8	4	20.64	20.50	20.58	21.60
3	16QAM	8	7	20.47	20.44	20.66	21.60
3	16QAM	15	0	20.43	20.56	20.68	21.60
3	64QAM	1	0	20.54	20.51	20.52	21.60
3	64QAM	1	8	20.39	20.65	20.57	21.60
3	64QAM	1	14	20.46	20.68	20.63	21.60
3	64QAM	8	0	20.50	20.59	20.48	21.60
3	64QAM	8	4	20.43	20.54	20.50	21.60
3	64QAM	8	7	20.49	20.60	20.59	21.60
3	64QAM	15	0	20.47	20.48	20.63	21.60
3	256QAM	1	0	19.19	19.19	19.05	20.10
3	256QAM	1	8	19.12	19.22	18.98	20.10
3	256QAM	1	14	19.26	19.27	19.19	20.10
3	256QAM	8	0	19.27	19.32	19.14	20.10
3	256QAM	8	4	19.08	19.23	18.98	20.10
3	256QAM	8	7	19.25	19.32	19.14	20.10
3	256QAM	15	0	19.09	19.18	18.97	20.10
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	20.61	20.84	20.61	21.60
1.4	QPSK	1	3	20.58	20.71	20.60	21.60
1.4	QPSK	1	5	20.54	20.58	20.56	21.60
1.4	QPSK	3	0	20.52	20.77	20.54	21.60
1.4	QPSK	3	1	20.45	20.44	20.43	21.60
1.4	QPSK	3	3	20.48	20.60	20.46	21.60
1.4	QPSK	6	0	20.37	20.39	20.36	21.60
1.4	16QAM	1	0	20.42	20.57	20.48	21.60
1.4	16QAM	1	3	20.36	20.54	20.45	21.60
1.4	16QAM	1	5	20.45	20.29	20.46	21.60
1.4	16QAM	3	0	20.57	20.42	20.58	21.60
1.4	16QAM	3	1	20.65	20.43	20.50	21.60
1.4	16QAM	3	3	20.46	20.46	20.62	21.60
1.4	16QAM	6	0	20.45	20.62	20.56	21.60
1.4	64QAM	1	0	20.65	20.50	20.55	21.60
1.4	64QAM	1	3	20.52	20.52	20.55	21.60
1.4	64QAM	1	5	20.42	20.72	20.60	21.60
1.4	64QAM	3	0	20.52	20.68	20.40	21.60
1.4	64QAM	3	1	20.47	20.54	20.49	21.60
1.4	64QAM	3	3	20.49	20.49	20.66	21.60
1.4	64QAM	6	0	20.53	20.49	20.59	21.60
1.4	256QAM	1	0	19.09	19.31	18.94	20.10
1.4	256QAM	1	3	19.10	19.23	19.06	20.10
1.4	256QAM	1	5	19.23	19.28	19.14	20.10
1.4	256QAM	3	0	19.31	19.38	19.09	20.10
1.4	256QAM	3	1	19.04	19.16	19.01	20.10
1.4	256QAM	3	3	19.22	19.30	19.15	20.10
1.4	256QAM	6	0	19.11	19.19	19.05	20.10

【LTE Band 30_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.24		25.10
10	QPSK	1	25		24.19		25.10
10	QPSK	1	49		24.11		25.10
10	QPSK	25	0		23.36		24.10
10	QPSK	25	12		23.04		24.10
10	QPSK	25	25		23.09		24.10
10	QPSK	50	0		23.39		24.10
10	16QAM	1	0		23.56		24.10
10	16QAM	1	25		23.47		24.10
10	16QAM	1	49		23.36		24.10
10	16QAM	25	0		22.13		23.10
10	16QAM	25	12		21.97		23.10
10	16QAM	25	25		22.07		23.10
10	16QAM	50	0		22.29		23.10
10	64QAM	1	0		22.58		23.10
10	64QAM	1	25		22.38		23.10
10	64QAM	1	49		22.42		23.10
10	64QAM	25	0		21.20		22.10
10	64QAM	25	12		21.18		22.10
10	64QAM	25	25		21.17		22.10
10	64QAM	50	0		20.98		22.10
10	256QAM	1	0		19.49		20.10
10	256QAM	1	25		19.46		20.10
10	256QAM	1	49		19.47		20.10
10	256QAM	25	0		19.61		20.10
10	256QAM	25	12		19.46		20.10
10	256QAM	25	25		19.58		20.10
10	256QAM	50	0		19.44		20.10
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	24.10	24.15	24.06	25.10
5	QPSK	1	12	24.00	24.10	23.95	25.10
5	QPSK	1	24	23.88	23.94	23.79	25.10
5	QPSK	12	0	23.02	23.20	23.09	24.10
5	QPSK	12	7	22.77	22.86	22.73	24.10
5	QPSK	12	13	22.88	22.97	22.75	24.10
5	QPSK	25	0	23.09	23.23	23.09	24.10
5	16QAM	1	0	23.22	23.39	23.16	24.10
5	16QAM	1	12	23.27	23.40	23.22	24.10
5	16QAM	1	24	23.16	23.22	23.05	24.10
5	16QAM	12	0	21.89	22.01	21.86	23.10
5	16QAM	12	7	21.71	21.83	21.73	23.10
5	16QAM	12	13	21.84	21.96	21.75	23.10
5	16QAM	25	0	22.06	22.19	22.10	23.10
5	64QAM	1	0	22.33	22.40	22.22	23.10
5	64QAM	1	12	22.22	22.29	22.07	23.10
5	64QAM	1	24	22.12	22.25	22.09	23.10
5	64QAM	12	0	20.96	21.09	20.91	22.10
5	64QAM	12	7	21.01	21.09	20.93	22.10
5	64QAM	12	13	20.93	21.02	20.84	22.10
5	64QAM	25	0	20.78	20.85	20.70	22.10
5	256QAM	1	0	19.18	19.35	19.23	20.10
5	256QAM	1	12	19.09	19.28	19.19	20.10
5	256QAM	1	24	19.30	19.37	19.19	20.10
5	256QAM	12	0	19.36	19.52	19.37	20.10
5	256QAM	12	7	19.22	19.38	19.17	20.10
5	256QAM	12	13	19.22	19.40	19.30	20.10
5	256QAM	25	0	19.15	19.34	19.22	20.10

【LTE Band 30_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.24		25.10
10	QPSK	1	25		24.19		25.10
10	QPSK	1	49		24.11		25.10
10	QPSK	25	0		23.36		24.10
10	QPSK	25	12		23.04		24.10
10	QPSK	25	25		23.09		24.10
10	QPSK	50	0		23.39		24.10
10	16QAM	1	0		23.56		24.10
10	16QAM	1	25		23.47		24.10
10	16QAM	1	49		23.36		24.10
10	16QAM	25	0		22.13		23.10
10	16QAM	25	12		21.97		23.10
10	16QAM	25	25		22.07		23.10
10	16QAM	50	0		22.29		23.10
10	64QAM	1	0		22.58		23.10
10	64QAM	1	25		22.38		23.10
10	64QAM	1	49		22.42		23.10
10	64QAM	25	0		21.20		22.10
10	64QAM	25	12		21.18		22.10
10	64QAM	25	25		21.17		22.10
10	64QAM	50	0		20.98		22.10
10	256QAM	1	0		19.49		20.10
10	256QAM	1	25		19.46		20.10
10	256QAM	1	49		19.47		20.10
10	256QAM	25	0		19.61		20.10
10	256QAM	25	12		19.46		20.10
10	256QAM	25	25		19.58		20.10
10	256QAM	50	0		19.44		20.10
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	24.10	24.15	24.06	25.10
5	QPSK	1	12	24.00	24.10	23.95	25.10
5	QPSK	1	24	23.88	23.94	23.79	25.10
5	QPSK	12	0	23.02	23.20	23.09	24.10
5	QPSK	12	7	22.77	22.86	22.73	24.10
5	QPSK	12	13	22.88	22.97	22.75	24.10
5	QPSK	25	0	23.09	23.23	23.09	24.10
5	16QAM	1	0	23.22	23.39	23.16	24.10
5	16QAM	1	12	23.27	23.40	23.22	24.10
5	16QAM	1	24	23.16	23.22	23.05	24.10
5	16QAM	12	0	21.89	22.01	21.86	23.10
5	16QAM	12	7	21.71	21.83	21.73	23.10
5	16QAM	12	13	21.84	21.96	21.75	23.10
5	16QAM	25	0	22.06	22.19	22.10	23.10
5	64QAM	1	0	22.33	22.40	22.22	23.10
5	64QAM	1	12	22.22	22.29	22.07	23.10
5	64QAM	1	24	22.12	22.25	22.09	23.10
5	64QAM	12	0	20.96	21.09	20.91	22.10
5	64QAM	12	7	21.01	21.09	20.93	22.10
5	64QAM	12	13	20.93	21.02	20.84	22.10
5	64QAM	25	0	20.78	20.85	20.70	22.10
5	256QAM	1	0	19.18	19.35	19.23	20.10
5	256QAM	1	12	19.09	19.28	19.19	20.10
5	256QAM	1	24	19.30	19.37	19.19	20.10
5	256QAM	12	0	19.36	19.52	19.37	20.10
5	256QAM	12	7	19.22	19.38	19.17	20.10
5	256QAM	12	13	19.22	19.40	19.30	20.10
5	256QAM	25	0	19.15	19.34	19.22	20.10

【LTE Band 30_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		17.73		18.50
10	QPSK	1	25		17.70		18.50
10	QPSK	1	49		17.64		18.50
10	QPSK	25	0		17.73		18.50
10	QPSK	25	12		17.52		18.50
10	QPSK	25	25		17.62		18.50
10	QPSK	50	0		17.61		18.50
10	16QAM	1	0		17.60		18.50
10	16QAM	1	25		17.43		18.50
10	16QAM	1	49		17.39		18.50
10	16QAM	25	0		17.48		18.50
10	16QAM	25	12		17.52		18.50
10	16QAM	25	25		17.51		18.50
10	16QAM	50	0		17.75		18.50
10	64QAM	1	0		17.61		18.50
10	64QAM	1	25		17.63		18.50
10	64QAM	1	49		17.66		18.50
10	64QAM	25	0		17.60		18.50
10	64QAM	25	12		17.59		18.50
10	64QAM	25	25		17.73		18.50
10	64QAM	50	0		17.69		18.50
10	256QAM	1	0		17.75		18.50
10	256QAM	1	25		17.83		18.50
10	256QAM	1	49		17.61		18.50
10	256QAM	25	0		17.73		18.50
10	256QAM	25	12		17.66		18.50
10	256QAM	25	25		17.55		18.50
10	256QAM	50	0		17.57		18.50
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	17.63	17.70	17.59	18.50
5	QPSK	1	12	17.45	17.64	17.44	18.50
5	QPSK	1	24	17.29	17.47	17.29	18.50
5	QPSK	12	0	17.50	17.66	17.49	18.50
5	QPSK	12	7	17.23	17.40	17.20	18.50
5	QPSK	12	13	17.40	17.57	17.44	18.50
5	QPSK	25	0	17.44	17.57	17.38	18.50
5	16QAM	1	0	17.30	17.48	17.25	18.50
5	16QAM	1	12	17.23	17.35	17.10	18.50
5	16QAM	1	24	17.19	17.29	17.05	18.50
5	16QAM	12	0	17.33	17.45	17.25	18.50
5	16QAM	12	7	17.31	17.43	17.24	18.50
5	16QAM	12	13	17.18	17.39	17.23	18.50
5	16QAM	25	0	17.52	17.64	17.51	18.50
5	64QAM	1	0	17.40	17.54	17.34	18.50
5	64QAM	1	12	17.39	17.49	17.30	18.50
5	64QAM	1	24	17.39	17.60	17.43	18.50
5	64QAM	12	0	17.30	17.48	17.33	18.50
5	64QAM	12	7	17.36	17.54	17.38	18.50
5	64QAM	12	13	17.48	17.65	17.49	18.50
5	64QAM	25	0	17.33	17.52	17.36	18.50
5	256QAM	1	0	17.51	17.60	17.37	18.50
5	256QAM	1	12	17.51	17.69	17.47	18.50
5	256QAM	1	24	17.38	17.57	17.38	18.50
5	256QAM	12	0	17.52	17.64	17.48	18.50
5	256QAM	12	7	17.40	17.62	17.43	18.50
5	256QAM	12	13	17.30	17.39	17.24	18.50
5	256QAM	25	0	17.35	17.45	17.20	18.50

【LTE Band 30_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.35		25.10
10	QPSK	1	25		24.15		25.10
10	QPSK	1	49		24.18		25.10
10	QPSK	25	0		23.35		24.10
10	QPSK	25	12		23.16		24.10
10	QPSK	25	25		23.25		24.10
10	QPSK	50	0		23.29		24.10
10	16QAM	1	0		23.69		24.10
10	16QAM	1	25		23.50		24.10
10	16QAM	1	49		23.54		24.10
10	16QAM	25	0		22.31		23.10
10	16QAM	25	12		22.20		23.10
10	16QAM	25	25		22.29		23.10
10	16QAM	50	0		22.30		23.10
10	64QAM	1	0		22.60		23.10
10	64QAM	1	25		22.47		23.10
10	64QAM	1	49		22.45		23.10
10	64QAM	25	0		21.37		22.10
10	64QAM	25	12		21.31		22.10
10	64QAM	25	25		21.22		22.10
10	64QAM	50	0		21.20		22.10
10	256QAM	1	0		18.45		20.10
10	256QAM	1	25		18.59		20.10
10	256QAM	1	49		18.55		20.10
10	256QAM	25	0		18.56		20.10
10	256QAM	25	12		18.44		20.10
10	256QAM	25	25		18.44		20.10
10	256QAM	50	0		18.46		20.10
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	24.26	24.33	24.21	25.10
5	QPSK	1	12	23.80	23.99	23.75	25.10
5	QPSK	1	24	23.89	24.09	23.93	25.10
5	QPSK	12	0	23.03	23.14	22.88	24.10
5	QPSK	12	7	22.87	22.98	22.76	24.10
5	QPSK	12	13	22.97	23.06	22.94	24.10
5	QPSK	25	0	22.92	23.11	22.98	24.10
5	16QAM	1	0	23.53	23.66	23.51	24.10
5	16QAM	1	12	23.23	23.35	23.11	24.10
5	16QAM	1	24	23.18	23.35	23.21	24.10
5	16QAM	12	0	22.18	22.26	22.01	23.10
5	16QAM	12	7	21.83	22.02	21.85	23.10
5	16QAM	12	13	21.87	22.07	21.87	23.10
5	16QAM	25	0	22.14	22.24	21.98	23.10
5	64QAM	1	0	22.41	22.54	22.39	23.10
5	64QAM	1	12	22.21	22.38	22.21	23.10
5	64QAM	1	24	22.25	22.43	22.28	23.10
5	64QAM	12	0	21.06	21.19	21.06	22.10
5	64QAM	12	7	21.06	21.18	20.93	22.10
5	64QAM	12	13	20.95	21.15	20.96	22.10
5	64QAM	25	0	21.04	21.12	20.99	22.10
5	256QAM	1	0	18.41	18.49	18.28	20.10
5	256QAM	1	12	18.41	18.61	18.47	20.10
5	256QAM	1	24	18.32	18.45	18.21	20.10
5	256QAM	12	0	18.38	18.51	18.39	20.10
5	256QAM	12	7	18.43	18.51	18.36	20.10
5	256QAM	12	13	18.24	18.35	18.20	20.10
5	256QAM	25	0	18.27	18.43	18.33	20.10

【LTE Band 30_Ant 8_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		24.35		25.10
10	QPSK	1	25		24.15		25.10
10	QPSK	1	49		24.18		25.10
10	QPSK	25	0		23.35		24.10
10	QPSK	25	12		23.16		24.10
10	QPSK	25	25		23.25		24.10
10	QPSK	50	0		23.29		24.10
10	16QAM	1	0		23.69		24.10
10	16QAM	1	25		23.50		24.10
10	16QAM	1	49		23.54		24.10
10	16QAM	25	0		22.31		23.10
10	16QAM	25	12		22.20		23.10
10	16QAM	25	25		22.29		23.10
10	16QAM	50	0		22.30		23.10
10	64QAM	1	0		22.60		23.10
10	64QAM	1	25		22.47		23.10
10	64QAM	1	49		22.45		23.10
10	64QAM	25	0		21.37		22.10
10	64QAM	25	12		21.31		22.10
10	64QAM	25	25		21.22		22.10
10	64QAM	50	0		21.20		22.10
10	256QAM	1	0		18.45		20.10
10	256QAM	1	25		18.59		20.10
10	256QAM	1	49		18.55		20.10
10	256QAM	25	0		18.56		20.10
10	256QAM	25	12		18.44		20.10
10	256QAM	25	25		18.44		20.10
10	256QAM	50	0		18.46		20.10
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	24.26	24.33	24.21	25.10
5	QPSK	1	12	23.80	23.99	23.75	25.10
5	QPSK	1	24	23.89	24.09	23.93	25.10
5	QPSK	12	0	23.03	23.14	22.88	24.10
5	QPSK	12	7	22.87	22.98	22.76	24.10
5	QPSK	12	13	22.97	23.06	22.94	24.10
5	QPSK	25	0	22.92	23.11	22.98	24.10
5	16QAM	1	0	23.53	23.66	23.51	24.10
5	16QAM	1	12	23.23	23.35	23.11	24.10
5	16QAM	1	24	23.18	23.35	23.21	24.10
5	16QAM	12	0	22.18	22.26	22.01	23.10
5	16QAM	12	7	21.83	22.02	21.85	23.10
5	16QAM	12	13	21.87	22.07	21.87	23.10
5	16QAM	25	0	22.14	22.24	21.98	23.10
5	64QAM	1	0	22.41	22.54	22.39	23.10
5	64QAM	1	12	22.21	22.38	22.21	23.10
5	64QAM	1	24	22.25	22.43	22.28	23.10
5	64QAM	12	0	21.06	21.19	21.06	22.10
5	64QAM	12	7	21.06	21.18	20.93	22.10
5	64QAM	12	13	20.95	21.15	20.96	22.10
5	64QAM	25	0	21.04	21.12	20.99	22.10
5	256QAM	1	0	18.41	18.49	18.28	20.10
5	256QAM	1	12	18.41	18.61	18.47	20.10
5	256QAM	1	24	18.32	18.45	18.21	20.10
5	256QAM	12	0	18.38	18.51	18.39	20.10
5	256QAM	12	7	18.43	18.51	18.36	20.10
5	256QAM	12	13	18.24	18.35	18.20	20.10
5	256QAM	25	0	18.27	18.43	18.33	20.10

【LTE Band 30_Ant 8_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		19.45		20.30
10	QPSK	1	25		19.25		20.30
10	QPSK	1	49		19.27		20.30
10	QPSK	25	0		19.25		20.30
10	QPSK	25	12		19.13		20.30
10	QPSK	25	25		19.24		20.30
10	QPSK	50	0		19.11		20.30
10	16QAM	1	0		19.08		20.30
10	16QAM	1	25		19.01		20.30
10	16QAM	1	49		19.01		20.30
10	16QAM	25	0		19.18		20.30
10	16QAM	25	12		19.10		20.30
10	16QAM	25	25		19.19		20.30
10	16QAM	50	0		19.29		20.30
10	64QAM	1	0		19.19		20.30
10	64QAM	1	25		19.13		20.30
10	64QAM	1	49		19.28		20.30
10	64QAM	25	0		19.30		20.30
10	64QAM	25	12		19.18		20.30
10	64QAM	25	25		19.30		20.30
10	64QAM	50	0		19.30		20.30
10	256QAM	1	0		19.29		20.30
10	256QAM	1	25		19.43		20.30
10	256QAM	1	49		19.15		20.30
10	256QAM	25	0		19.27		20.30
10	256QAM	25	12		19.27		20.30
10	256QAM	25	25		19.21		20.30
10	256QAM	50	0		19.18		20.30
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	19.34	19.40	19.26	20.30
5	QPSK	1	12	19.13	19.21	19.02	20.30
5	QPSK	1	24	18.97	19.10	18.94	20.30
5	QPSK	12	0	18.97	19.15	18.94	20.30
5	QPSK	12	7	18.98	19.09	18.84	20.30
5	QPSK	12	13	19.03	19.15	18.93	20.30
5	QPSK	25	0	18.81	19.01	18.82	20.30
5	16QAM	1	0	18.80	18.94	18.72	20.30
5	16QAM	1	12	18.63	18.84	18.61	20.30
5	16QAM	1	24	18.72	18.87	18.66	20.30
5	16QAM	12	0	18.95	19.07	18.87	20.30
5	16QAM	12	7	18.85	19.02	18.84	20.30
5	16QAM	12	13	18.97	19.08	18.93	20.30
5	16QAM	25	0	19.00	19.13	18.96	20.30
5	64QAM	1	0	18.98	19.09	18.88	20.30
5	64QAM	1	12	18.82	18.97	18.73	20.30
5	64QAM	1	24	18.98	19.10	18.88	20.30
5	64QAM	12	0	19.05	19.19	18.96	20.30
5	64QAM	12	7	18.95	19.14	18.86	20.30
5	64QAM	12	13	19.03	19.19	18.98	20.30
5	64QAM	25	0	19.16	19.24	18.97	20.30
5	256QAM	1	0	19.01	19.22	18.98	20.30
5	256QAM	1	12	19.13	19.27	19.00	20.30
5	256QAM	1	24	18.83	19.01	18.84	20.30
5	256QAM	12	0	19.05	19.20	18.97	20.30
5	256QAM	12	7	19.16	19.23	19.07	20.30
5	256QAM	12	13	19.06	19.19	18.91	20.30
5	256QAM	25	0	19.04	19.12	18.90	20.30

【LTE Band 38_Ant 5_Full power】

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	23.98	23.95	23.87	25.10
20	QPSK	1	49	23.74	23.76	23.55	25.10
20	QPSK	1	99	23.80	23.83	23.65	25.10
20	QPSK	50	0	22.93	23.04	22.86	24.10
20	QPSK	50	24	22.86	22.89	22.80	24.10
20	QPSK	50	50	22.78	22.86	22.70	24.10
20	QPSK	100	0	22.88	22.91	22.80	24.10
20	16QAM	1	0	22.97	23.00	22.81	24.10
20	16QAM	1	49	22.83	22.94	22.73	24.10
20	16QAM	1	99	22.82	22.91	22.80	24.10
20	16QAM	50	0	21.90	21.93	21.78	23.10
20	16QAM	50	24	21.81	21.92	21.82	23.10
20	16QAM	50	50	21.87	21.95	21.74	23.10
20	16QAM	100	0	21.96	21.95	21.75	23.10
20	64QAM	1	0	21.90	21.94	21.77	23.10
20	64QAM	1	49	21.92	21.93	21.79	23.10
20	64QAM	1	99	21.97	21.98	21.81	23.10
20	64QAM	50	0	20.85	20.92	20.79	22.10
20	64QAM	50	24	20.89	20.89	20.69	22.10
20	64QAM	50	50	20.95	20.98	20.87	22.10
20	64QAM	100	0	20.94	20.97	20.89	22.10
20	256QAM	1	0	18.77	18.89	18.71	20.10
20	256QAM	1	49	18.94	18.98	18.77	20.10
20	256QAM	1	99	18.98	18.98	18.81	20.10
20	256QAM	50	0	18.87	18.92	18.71	20.10
20	256QAM	50	24	18.93	18.95	18.84	20.10
20	256QAM	50	50	18.87	18.98	18.86	20.10
20	256QAM	100	0	18.87	18.87	18.76	20.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.87	23.81	23.83	25.10
15	QPSK	1	37	23.65	23.72	23.43	25.10
15	QPSK	1	74	23.73	23.72	23.61	25.10
15	QPSK	36	0	22.81	22.93	22.72	24.10
15	QPSK	36	20	22.78	22.80	22.78	24.10
15	QPSK	36	39	22.67	22.83	22.61	24.10
15	QPSK	75	0	22.86	22.83	22.69	24.10
15	16QAM	1	0	22.91	22.96	22.78	24.10
15	16QAM	1	37	22.80	22.93	22.70	24.10
15	16QAM	1	74	22.67	22.82	22.75	24.10
15	16QAM	36	0	21.77	21.89	21.73	23.10
15	16QAM	36	20	21.70	21.78	21.67	23.10
15	16QAM	36	39	21.85	21.89	21.68	23.10
15	16QAM	75	0	21.85	21.89	21.73	23.10
15	64QAM	1	0	21.83	21.87	21.67	23.10
15	64QAM	1	37	21.89	21.85	21.65	23.10
15	64QAM	1	74	21.85	21.85	21.74	23.10
15	64QAM	36	0	20.71	20.86	20.64	22.10
15	64QAM	36	20	20.83	20.84	20.62	22.10
15	64QAM	36	39	20.86	20.94	20.74	22.10
15	64QAM	75	0	20.79	20.82	20.78	22.10
15	256QAM	1	0	18.68	18.88	18.66	20.10
15	256QAM	1	37	18.83	18.85	18.68	20.10
15	256QAM	1	74	18.86	18.94	18.74	20.10
15	256QAM	36	0	18.80	18.82	18.63	20.10
15	256QAM	36	20	18.84	18.84	18.80	20.10
15	256QAM	36	39	18.76	18.88	18.76	20.10
15	256QAM	75	0	18.83	18.85	18.69	20.10
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.91	23.88	23.80	25.10
10	QPSK	1	25	23.65	23.69	23.52	25.10
10	QPSK	1	49	23.71	23.76	23.60	25.10
10	QPSK	25	0	22.84	23.02	22.83	24.10
10	QPSK	25	12	22.71	22.83	22.79	24.10
10	QPSK	25	25	22.72	22.77	22.56	24.10
10	QPSK	50	0	22.86	22.78	22.69	24.10
10	16QAM	1	0	22.92	22.91	22.77	24.10
10	16QAM	1	25	22.73	22.91	22.67	24.10
10	16QAM	1	49	22.69	22.86	22.74	24.10

10	16QAM	25	0	21.84	21.91	21.70	23.10
10	16QAM	25	12	21.67	21.88	21.68	23.10
10	16QAM	25	25	21.80	21.88	21.64	23.10
10	16QAM	50	0	21.92	21.93	21.68	23.10
10	64QAM	1	0	21.83	21.92	21.69	23.10
10	64QAM	1	25	21.86	21.84	21.74	23.10
10	64QAM	1	49	21.91	21.90	21.70	23.10
10	64QAM	25	0	20.77	20.86	20.72	22.10
10	64QAM	25	12	20.80	20.85	20.55	22.10
10	64QAM	25	25	20.81	20.86	20.83	22.10
10	64QAM	50	0	20.79	20.95	20.81	22.10
10	256QAM	1	0	18.63	18.78	18.70	20.10
10	256QAM	1	25	18.87	18.90	18.73	20.10
10	256QAM	1	49	18.92	18.96	18.68	20.10
10	256QAM	25	0	18.73	18.85	18.61	20.10
10	256QAM	25	12	18.81	18.90	18.78	20.10
10	256QAM	25	25	18.83	18.85	18.72	20.10
10	256QAM	50	0	18.79	18.85	18.61	20.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.92	23.92	23.76	25.10
5	QPSK	1	12	23.61	23.72	23.50	25.10
5	QPSK	1	24	23.66	23.72	23.63	25.10
5	QPSK	12	0	22.78	22.90	22.79	24.10
5	QPSK	12	7	22.76	22.79	22.70	24.10
5	QPSK	12	13	22.68	22.82	22.68	24.10
5	QPSK	25	0	22.84	22.89	22.66	24.10
5	16QAM	1	0	22.87	22.95	22.75	24.10
5	16QAM	1	12	22.81	22.82	22.69	24.10
5	16QAM	1	24	22.71	22.86	22.70	24.10
5	16QAM	12	0	21.80	21.89	21.71	23.10
5	16QAM	12	7	21.72	21.91	21.74	23.10
5	16QAM	12	13	21.72	21.89	21.63	23.10
5	16QAM	25	0	21.82	21.93	21.63	23.10
5	64QAM	1	0	21.79	21.82	21.75	23.10
5	64QAM	1	12	21.86	21.87	21.74	23.10
5	64QAM	1	24	21.91	21.90	21.75	23.10
5	64QAM	12	0	20.82	20.81	20.67	22.10
5	64QAM	12	7	20.74	20.75	20.62	22.10
5	64QAM	12	13	20.87	20.86	20.83	22.10
5	64QAM	25	0	20.84	20.94	20.83	22.10
5	256QAM	1	0	18.64	18.88	18.67	20.10
5	256QAM	1	12	18.80	18.96	18.70	20.10
5	256QAM	1	24	18.95	18.88	18.67	20.10
5	256QAM	12	0	18.76	18.81	18.56	20.10
5	256QAM	12	7	18.90	18.93	18.71	20.10
5	256QAM	12	13	18.72	18.95	18.83	20.10
5	256QAM	25	0	18.75	18.73	18.68	20.10

【LTE Band 38_Ant 5_DSIO】

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	23.98	23.95	23.87	25.10
20	QPSK	1	49	23.74	23.76	23.55	25.10
20	QPSK	1	99	23.80	23.83	23.65	25.10
20	QPSK	50	0	22.93	23.04	22.86	24.10
20	QPSK	50	24	22.86	22.89	22.80	24.10
20	QPSK	50	50	22.78	22.86	22.70	24.10
20	QPSK	100	0	22.88	22.91	22.80	24.10
20	16QAM	1	0	22.97	23.00	22.81	24.10
20	16QAM	1	49	22.83	22.94	22.73	24.10
20	16QAM	1	99	22.82	22.91	22.80	24.10
20	16QAM	50	0	21.90	21.93	21.78	23.10
20	16QAM	50	24	21.81	21.92	21.82	23.10
20	16QAM	50	50	21.87	21.95	21.74	23.10
20	16QAM	100	0	21.96	21.95	21.75	23.10
20	64QAM	1	0	21.90	21.94	21.77	23.10
20	64QAM	1	49	21.92	21.93	21.79	23.10
20	64QAM	1	99	21.97	21.98	21.81	23.10
20	64QAM	50	0	20.85	20.92	20.79	22.10
20	64QAM	50	24	20.89	20.89	20.69	22.10



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20	64QAM	50	50	20.95	20.98	20.87	22.10
20	64QAM	100	0	20.94	20.97	20.89	22.10
20	256QAM	1	0	18.77	18.89	18.71	20.10
20	256QAM	1	49	18.94	18.98	18.77	20.10
20	256QAM	1	99	18.98	18.98	18.81	20.10
20	256QAM	50	0	18.87	18.92	18.71	20.10
20	256QAM	50	24	18.93	18.95	18.84	20.10
20	256QAM	50	50	18.87	18.98	18.86	20.10
20	256QAM	100	0	18.87	18.87	18.76	20.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.87	23.81	23.83	25.10
15	QPSK	1	37	23.65	23.72	23.43	25.10
15	QPSK	1	74	23.73	23.72	23.61	25.10
15	QPSK	36	0	22.81	22.93	22.72	24.10
15	QPSK	36	20	22.78	22.80	22.78	24.10
15	QPSK	36	39	22.67	22.83	22.61	24.10
15	QPSK	75	0	22.86	22.83	22.69	24.10
15	16QAM	1	0	22.91	22.96	22.78	24.10
15	16QAM	1	37	22.80	22.93	22.70	24.10
15	16QAM	1	74	22.67	22.82	22.75	24.10
15	16QAM	36	0	21.77	21.89	21.73	23.10
15	16QAM	36	20	21.70	21.78	21.67	23.10
15	16QAM	36	39	21.85	21.89	21.68	23.10
15	16QAM	75	0	21.85	21.89	21.73	23.10
15	64QAM	1	0	21.83	21.87	21.67	23.10
15	64QAM	1	37	21.89	21.85	21.65	23.10
15	64QAM	1	74	21.85	21.85	21.74	23.10
15	64QAM	36	0	20.71	20.86	20.64	22.10
15	64QAM	36	20	20.83	20.84	20.62	22.10
15	64QAM	36	39	20.86	20.94	20.74	22.10
15	64QAM	75	0	20.79	20.82	20.78	22.10
15	256QAM	1	0	18.68	18.88	18.66	20.10
15	256QAM	1	37	18.83	18.85	18.68	20.10
15	256QAM	1	74	18.86	18.94	18.74	20.10
15	256QAM	36	0	18.80	18.82	18.63	20.10
15	256QAM	36	20	18.84	18.84	18.80	20.10
15	256QAM	36	39	18.76	18.88	18.76	20.10
15	256QAM	75	0	18.83	18.85	18.69	20.10
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.91	23.88	23.80	25.10
10	QPSK	1	25	23.65	23.69	23.52	25.10
10	QPSK	1	49	23.71	23.76	23.60	25.10
10	QPSK	25	0	22.84	23.02	22.83	24.10
10	QPSK	25	12	22.71	22.83	22.79	24.10
10	QPSK	25	25	22.72	22.77	22.56	24.10
10	QPSK	50	0	22.86	22.78	22.69	24.10
10	16QAM	1	0	22.92	22.91	22.77	24.10
10	16QAM	1	25	22.73	22.91	22.67	24.10
10	16QAM	1	49	22.69	22.86	22.74	24.10
10	16QAM	25	0	21.84	21.91	21.70	23.10
10	16QAM	25	12	21.67	21.88	21.68	23.10
10	16QAM	25	25	21.80	21.88	21.64	23.10
10	16QAM	50	0	21.92	21.93	21.68	23.10
10	64QAM	1	0	21.83	21.92	21.69	23.10
10	64QAM	1	25	21.86	21.84	21.74	23.10
10	64QAM	1	49	21.91	21.90	21.70	23.10
10	64QAM	25	0	20.77	20.86	20.72	22.10
10	64QAM	25	12	20.80	20.85	20.55	22.10
10	64QAM	25	25	20.81	20.86	20.83	22.10
10	64QAM	50	0	20.79	20.95	20.81	22.10
10	256QAM	1	0	18.63	18.78	18.70	20.10
10	256QAM	1	25	18.87	18.90	18.73	20.10
10	256QAM	1	49	18.92	18.96	18.68	20.10
10	256QAM	25	0	18.73	18.85	18.61	20.10
10	256QAM	25	12	18.81	18.90	18.78	20.10
10	256QAM	25	25	18.83	18.85	18.72	20.10
10	256QAM	50	0	18.79	18.85	18.61	20.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.92	23.92	23.76	25.10
5	QPSK	1	12	23.61	23.72	23.50	25.10
5	QPSK	1	24	23.66	23.72	23.63	25.10
5	QPSK	12	0	22.78	22.90	22.79	24.10
5	QPSK	12	7	22.76	22.79	22.70	24.10
5	QPSK	12	13	22.68	22.82	22.68	24.10
5	QPSK	25	0	22.84	22.89	22.66	24.10

5	16QAM	1	0	22.87	22.95	22.75	24.10
5	16QAM	1	12	22.81	22.82	22.69	24.10
5	16QAM	1	24	22.71	22.86	22.70	24.10
5	16QAM	12	0	21.80	21.89	21.71	23.10
5	16QAM	12	7	21.72	21.91	21.74	23.10
5	16QAM	12	13	21.72	21.89	21.63	23.10
5	16QAM	25	0	21.82	21.93	21.63	23.10
5	64QAM	1	0	21.79	21.82	21.75	23.10
5	64QAM	1	12	21.86	21.87	21.74	23.10
5	64QAM	1	24	21.91	21.90	21.75	23.10
5	64QAM	12	0	20.82	20.81	20.67	22.10
5	64QAM	12	7	20.74	20.75	20.62	22.10
5	64QAM	12	13	20.87	20.86	20.83	22.10
5	64QAM	25	0	20.84	20.94	20.83	22.10
5	256QAM	1	0	18.64	18.88	18.67	20.10
5	256QAM	1	12	18.80	18.96	18.70	20.10
5	256QAM	1	24	18.95	18.88	18.67	20.10
5	256QAM	12	0	18.76	18.81	18.56	20.10
5	256QAM	12	7	18.90	18.93	18.71	20.10
5	256QAM	12	13	18.72	18.95	18.83	20.10
5	256QAM	25	0	18.75	18.73	18.68	20.10

【LTE Band 38_Ant 5_DS17】

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	17.42	17.49	17.42	19.00
20	QPSK	1	49	17.24	17.30	17.25	19.00
20	QPSK	1	99	17.39	17.38	17.22	19.00
20	QPSK	50	0	17.25	17.42	17.22	19.00
20	QPSK	50	24	17.19	17.25	17.18	19.00
20	QPSK	50	50	17.21	17.31	17.12	19.00
20	QPSK	100	0	17.14	17.22	17.07	19.00
20	16QAM	1	0	17.22	17.20	17.34	19.00
20	16QAM	1	49	17.20	17.19	17.24	19.00
20	16QAM	1	99	17.22	17.16	17.25	19.00
20	16QAM	50	0	17.33	17.32	17.29	19.00
20	16QAM	50	24	17.24	17.28	17.38	19.00
20	16QAM	50	50	17.31	17.22	17.31	19.00
20	16QAM	100	0	17.21	17.41	17.27	19.00
20	64QAM	1	0	17.27	17.29	17.28	19.00
20	64QAM	1	49	17.18	17.31	17.32	19.00
20	64QAM	1	99	17.28	17.46	17.27	19.00
20	64QAM	50	0	17.32	17.31	17.34	19.00
20	64QAM	50	24	17.22	17.26	17.25	19.00
20	64QAM	50	50	17.16	17.36	17.38	19.00
20	64QAM	100	0	17.35	17.41	17.29	19.00
20	256QAM	1	0	17.23	17.43	17.30	19.00
20	256QAM	1	49	17.13	17.53	17.29	19.00
20	256QAM	1	99	17.38	17.30	17.24	19.00
20	256QAM	50	0	17.31	17.33	17.28	19.00
20	256QAM	50	24	17.24	17.32	17.37	19.00
20	256QAM	50	50	17.22	17.34	17.34	19.00
20	256QAM	100	0	17.31	17.38	17.35	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.27	17.40	17.31	19.00
15	QPSK	1	37	17.19	17.19	17.13	19.00
15	QPSK	1	74	17.27	17.26	17.15	19.00
15	QPSK	36	0	17.19	17.27	17.19	19.00
15	QPSK	36	20	17.16	17.17	17.05	19.00
15	QPSK	36	39	17.19	17.26	17.04	19.00
15	QPSK	75	0	17.02	17.19	17.00	19.00
15	16QAM	1	0	17.10	17.11	17.31	19.00
15	16QAM	1	37	17.14	17.15	17.17	19.00
15	16QAM	1	74	17.18	17.13	17.22	19.00
15	16QAM	36	0	17.30	17.27	17.20	19.00
15	16QAM	36	20	17.14	17.27	17.37	19.00
15	16QAM	36	39	17.24	17.14	17.20	19.00
15	16QAM	75	0	17.15	17.32	17.16	19.00
15	64QAM	1	0	17.14	17.18	17.24	19.00
15	64QAM	1	37	17.13	17.23	17.27	19.00

15	64QAM	1	74	17.17	17.31	17.19	19.00
15	64QAM	36	0	17.25	17.17	17.28	19.00
15	64QAM	36	20	17.18	17.13	17.17	19.00
15	64QAM	36	39	17.13	17.26	17.30	19.00
15	64QAM	75	0	17.25	17.30	17.27	19.00
15	256QAM	1	0	17.12	17.33	17.23	19.00
15	256QAM	1	37	17.07	17.46	17.20	19.00
15	256QAM	1	74	17.27	17.17	17.12	19.00
15	256QAM	36	0	17.28	17.27	17.25	19.00
15	256QAM	36	20	17.11	17.24	17.26	19.00
15	256QAM	36	39	17.13	17.21	17.29	19.00
15	256QAM	75	0	17.20	17.32	17.34	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	17.39	17.47	17.30	19.00
10	QPSK	1	25	17.19	17.23	17.20	19.00
10	QPSK	1	49	17.38	17.33	17.15	19.00
10	QPSK	25	0	17.14	17.28	17.18	19.00
10	QPSK	25	12	17.12	17.22	17.11	19.00
10	QPSK	25	25	17.15	17.18	17.08	19.00
10	QPSK	50	0	17.02	17.16	17.04	19.00
10	16QAM	1	0	17.08	17.16	17.25	19.00
10	16QAM	1	25	17.12	17.17	17.14	19.00
10	16QAM	1	49	17.13	17.05	17.16	19.00
10	16QAM	25	0	17.23	17.28	17.18	19.00
10	16QAM	25	12	17.10	17.17	17.31	19.00
10	16QAM	25	25	17.23	17.13	17.17	19.00
10	16QAM	50	0	17.15	17.31	17.22	19.00
10	64QAM	1	0	17.26	17.16	17.23	19.00
10	64QAM	1	25	17.04	17.20	17.20	19.00
10	64QAM	1	49	17.23	17.44	17.14	19.00
10	64QAM	25	0	17.30	17.24	17.24	19.00
10	64QAM	25	12	17.12	17.19	17.18	19.00
10	64QAM	25	25	17.03	17.23	17.34	19.00
10	64QAM	50	0	17.22	17.39	17.26	19.00
10	256QAM	1	0	17.19	17.37	17.22	19.00
10	256QAM	1	25	17.07	17.45	17.23	19.00
10	256QAM	1	49	17.23	17.21	17.23	19.00
10	256QAM	25	0	17.19	17.27	17.24	19.00
10	256QAM	25	12	17.16	17.22	17.36	19.00
10	256QAM	25	25	17.18	17.28	17.29	19.00
10	256QAM	50	0	17.17	17.29	17.21	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	17.31	17.35	17.37	19.00
5	QPSK	1	12	17.20	17.17	17.11	19.00
5	QPSK	1	24	17.34	17.26	17.16	19.00
5	QPSK	12	0	17.11	17.29	17.11	19.00
5	QPSK	12	7	17.06	17.23	17.17	19.00
5	QPSK	12	13	17.15	17.28	17.00	19.00
5	QPSK	25	0	17.13	17.17	17.00	19.00
5	16QAM	1	0	17.20	17.08	17.27	19.00
5	16QAM	1	12	17.13	17.14	17.14	19.00
5	16QAM	1	24	17.13	17.02	17.22	19.00
5	16QAM	12	0	17.18	17.24	17.27	19.00
5	16QAM	12	7	17.19	17.20	17.25	19.00
5	16QAM	12	13	17.22	17.07	17.16	19.00
5	16QAM	25	0	17.19	17.36	17.18	19.00
5	64QAM	1	0	17.13	17.19	17.17	19.00
5	64QAM	1	12	17.17	17.25	17.24	19.00
5	64QAM	1	24	17.13	17.44	17.17	19.00
5	64QAM	12	0	17.29	17.30	17.28	19.00
5	64QAM	12	7	17.13	17.23	17.20	19.00
5	64QAM	12	13	17.07	17.30	17.24	19.00
5	64QAM	25	0	17.25	17.31	17.24	19.00
5	256QAM	1	0	17.08	17.40	17.20	19.00
5	256QAM	1	12	17.10	17.42	17.18	19.00
5	256QAM	1	24	17.31	17.18	17.18	19.00
5	256QAM	12	0	17.18	17.27	17.16	19.00
5	256QAM	12	7	17.16	17.28	17.23	19.00
5	256QAM	12	13	17.10	17.28	17.32	19.00
5	256QAM	25	0	17.19	17.25	17.31	19.00

【LTE Band 38_Ant 8_Full power】

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	24.33	24.40	24.39	25.10
20	QPSK	1	49	24.25	24.34	24.22	25.10
20	QPSK	1	99	24.18	24.29	24.23	25.10
20	QPSK	50	0	23.29	23.41	23.32	24.10
20	QPSK	50	24	23.20	23.34	23.22	24.10
20	QPSK	50	50	23.25	23.37	23.34	24.10
20	QPSK	100	0	23.03	23.24	23.20	24.10
20	16QAM	1	0	23.37	23.45	23.31	24.10
20	16QAM	1	49	23.20	23.36	23.22	24.10
20	16QAM	1	99	23.06	23.22	23.13	24.10
20	16QAM	50	0	22.25	22.35	22.23	23.10
20	16QAM	50	24	22.00	22.19	22.13	23.10
20	16QAM	50	50	22.08	22.22	22.09	23.10
20	16QAM	100	0	22.08	22.18	22.06	23.10
20	64QAM	1	0	22.16	22.37	22.22	23.10
20	64QAM	1	49	22.14	22.26	22.12	23.10
20	64QAM	1	99	22.08	22.29	22.14	23.10
20	64QAM	50	0	21.20	21.39	21.29	22.10
20	64QAM	50	24	21.19	21.28	21.25	22.10
20	64QAM	50	50	21.12	21.20	21.04	22.10
20	64QAM	100	0	21.15	21.24	21.22	22.10
20	256QAM	1	0	19.24	19.40	19.36	20.10
20	256QAM	1	49	19.18	19.35	19.22	20.10
20	256QAM	1	99	19.30	19.48	19.46	20.10
20	256QAM	50	0	19.28	19.45	19.32	20.10
20	256QAM	50	24	19.24	19.37	19.34	20.10
20	256QAM	50	50	19.07	19.24	19.12	20.10
20	256QAM	100	0	19.24	19.31	19.19	20.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.32	24.31	24.38	25.10
15	QPSK	1	37	24.17	24.28	24.13	25.10
15	QPSK	1	74	24.15	24.16	24.19	25.10
15	QPSK	36	0	23.19	23.35	23.22	24.10
15	QPSK	36	20	23.11	23.30	23.09	24.10
15	QPSK	36	39	23.11	23.34	23.30	24.10
15	QPSK	75	0	22.94	23.16	23.18	24.10
15	16QAM	1	0	23.23	23.32	23.25	24.10
15	16QAM	1	37	23.06	23.34	23.08	24.10
15	16QAM	1	74	22.92	23.13	23.09	24.10
15	16QAM	36	0	22.19	22.24	22.20	23.10
15	16QAM	36	20	21.86	22.10	22.06	23.10
15	16QAM	36	39	21.97	22.21	22.00	23.10
15	16QAM	75	0	21.95	22.05	22.03	23.10
15	64QAM	1	0	22.15	22.33	22.12	23.10
15	64QAM	1	37	22.05	22.24	22.09	23.10
15	64QAM	1	74	22.06	22.15	22.09	23.10
15	64QAM	36	0	21.16	21.32	21.26	22.10
15	64QAM	36	20	21.16	21.19	21.12	22.10
15	64QAM	36	39	21.08	21.06	20.98	22.10
15	64QAM	75	0	21.10	21.11	21.19	22.10
15	256QAM	1	0	19.09	19.27	19.30	20.10
15	256QAM	1	37	19.14	19.33	19.16	20.10
15	256QAM	1	74	19.23	19.42	19.32	20.10
15	256QAM	36	0	19.27	19.42	19.22	20.10
15	256QAM	36	20	19.19	19.30	19.33	20.10
15	256QAM	36	39	19.05	19.20	18.98	20.10
15	256QAM	75	0	19.14	19.28	19.13	20.10
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.24	24.35	24.26	25.10
10	QPSK	1	25	24.12	24.32	24.16	25.10
10	QPSK	1	49	24.08	24.21	24.19	25.10
10	QPSK	25	0	23.16	23.38	23.23	24.10
10	QPSK	25	12	23.09	23.26	23.10	24.10
10	QPSK	25	25	23.24	23.36	23.25	24.10
10	QPSK	50	0	22.93	23.13	23.05	24.10
10	16QAM	1	0	23.32	23.36	23.30	24.10
10	16QAM	1	25	23.11	23.29	23.11	24.10
10	16QAM	1	49	23.00	23.08	22.99	24.10
10	16QAM	25	0	22.23	22.26	22.21	23.10
10	16QAM	25	12	21.99	22.06	22.00	23.10
10	16QAM	25	25	21.99	22.15	22.04	23.10

10	16QAM	50	0	21.96	22.08	21.99	23.10
10	64QAM	1	0	22.11	22.23	22.07	23.10
10	64QAM	1	25	22.03	22.24	21.98	23.10
10	64QAM	1	49	21.96	22.23	21.99	23.10
10	64QAM	25	0	21.14	21.34	21.18	22.10
10	64QAM	25	12	21.15	21.21	21.11	22.10
10	64QAM	25	25	21.08	21.14	20.93	22.10
10	64QAM	50	0	21.00	21.19	21.14	22.10
10	256QAM	1	0	19.16	19.35	19.33	20.10
10	256QAM	1	25	19.16	19.29	19.20	20.10
10	256QAM	1	49	19.26	19.34	19.38	20.10
10	256QAM	25	0	19.23	19.41	19.29	20.10
10	256QAM	25	12	19.17	19.32	19.22	20.10
10	256QAM	25	25	19.00	19.23	19.06	20.10
10	256QAM	50	0	19.14	19.30	19.10	20.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.23	24.28	24.29	25.10
5	QPSK	1	12	24.18	24.25	24.18	25.10
5	QPSK	1	24	24.13	24.19	24.09	25.10
5	QPSK	12	0	23.23	23.34	23.23	24.10
5	QPSK	12	7	23.07	23.23	23.17	24.10
5	QPSK	12	13	23.12	23.33	23.22	24.10
5	QPSK	25	0	22.92	23.21	23.08	24.10
5	16QAM	1	0	23.35	23.40	23.17	24.10
5	16QAM	1	12	23.12	23.34	23.11	24.10
5	16QAM	1	24	23.00	23.18	23.00	24.10
5	16QAM	12	0	22.22	22.26	22.13	23.10
5	16QAM	12	7	21.92	22.12	22.07	23.10
5	16QAM	12	13	22.05	22.09	22.06	23.10
5	16QAM	25	0	22.01	22.04	21.97	23.10
5	64QAM	1	0	22.07	22.33	22.07	23.10
5	64QAM	1	12	22.07	22.12	22.07	23.10
5	64QAM	1	24	22.04	22.22	22.12	23.10
5	64QAM	12	0	21.14	21.30	21.27	22.10
5	64QAM	12	7	21.13	21.23	21.23	22.10
5	64QAM	12	13	21.03	21.05	21.02	22.10
5	64QAM	25	0	21.12	21.10	21.20	22.10
5	256QAM	1	0	19.14	19.27	19.32	20.10
5	256QAM	1	12	19.17	19.33	19.16	20.10
5	256QAM	1	24	19.22	19.40	19.39	20.10
5	256QAM	12	0	19.18	19.36	19.19	20.10
5	256QAM	12	7	19.18	19.35	19.21	20.10
5	256QAM	12	13	18.94	19.13	19.04	20.10
5	256QAM	25	0	19.23	19.28	19.13	20.10

【LTE Band 38_Ant 8_DSI0】

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	24.33	24.40	24.39	25.10
20	QPSK	1	49	24.25	24.34	24.22	25.10
20	QPSK	1	99	24.18	24.29	24.23	25.10
20	QPSK	50	0	23.29	23.41	23.32	24.10
20	QPSK	50	24	23.20	23.34	23.22	24.10
20	QPSK	50	50	23.25	23.37	23.34	24.10
20	QPSK	100	0	23.03	23.24	23.20	24.10
20	16QAM	1	0	23.37	23.45	23.31	24.10
20	16QAM	1	49	23.20	23.36	23.22	24.10
20	16QAM	1	99	23.06	23.22	23.13	24.10
20	16QAM	50	0	22.25	22.35	22.23	23.10
20	16QAM	50	24	22.00	22.19	22.13	23.10
20	16QAM	50	50	22.08	22.22	22.09	23.10
20	16QAM	100	0	22.08	22.18	22.06	23.10
20	64QAM	1	0	22.16	22.37	22.22	23.10
20	64QAM	1	49	22.14	22.26	22.12	23.10
20	64QAM	1	99	22.08	22.29	22.14	23.10
20	64QAM	50	0	21.20	21.39	21.29	22.10
20	64QAM	50	24	21.19	21.28	21.25	22.10
20	64QAM	50	50	21.12	21.20	21.04	22.10
20	64QAM	100	0	21.15	21.24	21.22	22.10
20	256QAM	1	0	19.24	19.40	19.36	20.10



20	256QAM	1	49	19.18	19.35	19.22	20.10
20	256QAM	1	99	19.30	19.48	19.46	20.10
20	256QAM	50	0	19.28	19.45	19.32	20.10
20	256QAM	50	24	19.24	19.37	19.34	20.10
20	256QAM	50	50	19.07	19.24	19.12	20.10
20	256QAM	100	0	19.24	19.31	19.19	20.10
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	24.32	24.31	24.38	25.10
15	QPSK	1	37	24.17	24.28	24.13	25.10
15	QPSK	1	74	24.15	24.16	24.19	25.10
15	QPSK	36	0	23.19	23.35	23.22	24.10
15	QPSK	36	20	23.11	23.30	23.09	24.10
15	QPSK	36	39	23.11	23.34	23.30	24.10
15	QPSK	75	0	22.94	23.16	23.18	24.10
15	16QAM	1	0	23.23	23.32	23.25	24.10
15	16QAM	1	37	23.06	23.34	23.08	24.10
15	16QAM	1	74	22.92	23.13	23.09	24.10
15	16QAM	36	0	22.19	22.24	22.20	23.10
15	16QAM	36	20	21.86	22.10	22.06	23.10
15	16QAM	36	39	21.97	22.21	22.00	23.10
15	16QAM	75	0	21.95	22.05	22.03	23.10
15	64QAM	1	0	22.15	22.33	22.12	23.10
15	64QAM	1	37	22.05	22.24	22.09	23.10
15	64QAM	1	74	22.06	22.15	22.09	23.10
15	64QAM	36	0	21.16	21.32	21.26	22.10
15	64QAM	36	20	21.16	21.19	21.12	22.10
15	64QAM	36	39	21.08	21.06	20.98	22.10
15	64QAM	75	0	21.10	21.11	21.19	22.10
15	256QAM	1	0	19.09	19.27	19.30	20.10
15	256QAM	1	37	19.14	19.33	19.16	20.10
15	256QAM	1	74	19.23	19.42	19.32	20.10
15	256QAM	36	0	19.27	19.42	19.22	20.10
15	256QAM	36	20	19.19	19.30	19.33	20.10
15	256QAM	36	39	19.05	19.20	18.98	20.10
15	256QAM	75	0	19.14	19.28	19.13	20.10
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	24.24	24.35	24.26	25.10
10	QPSK	1	25	24.12	24.32	24.16	25.10
10	QPSK	1	49	24.08	24.21	24.19	25.10
10	QPSK	25	0	23.16	23.38	23.23	24.10
10	QPSK	25	12	23.09	23.26	23.10	24.10
10	QPSK	25	25	23.24	23.36	23.25	24.10
10	QPSK	50	0	22.93	23.13	23.05	24.10
10	16QAM	1	0	23.32	23.36	23.30	24.10
10	16QAM	1	25	23.11	23.29	23.11	24.10
10	16QAM	1	49	23.00	23.08	22.99	24.10
10	16QAM	25	0	22.23	22.26	22.21	23.10
10	16QAM	25	12	21.99	22.06	22.00	23.10
10	16QAM	25	25	21.99	22.15	22.04	23.10
10	16QAM	50	0	21.96	22.08	21.99	23.10
10	64QAM	1	0	22.11	22.23	22.07	23.10
10	64QAM	1	25	22.03	22.24	21.98	23.10
10	64QAM	1	49	21.96	22.23	21.99	23.10
10	64QAM	25	0	21.14	21.34	21.18	22.10
10	64QAM	25	12	21.15	21.21	21.11	22.10
10	64QAM	25	25	21.08	21.14	20.93	22.10
10	64QAM	50	0	21.00	21.19	21.14	22.10
10	256QAM	1	0	19.16	19.35	19.33	20.10
10	256QAM	1	25	19.16	19.29	19.20	20.10
10	256QAM	1	49	19.26	19.34	19.38	20.10
10	256QAM	25	0	19.23	19.41	19.29	20.10
10	256QAM	25	12	19.17	19.32	19.22	20.10
10	256QAM	25	25	19.00	19.23	19.06	20.10
10	256QAM	50	0	19.14	19.30	19.10	20.10
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	24.23	24.28	24.29	25.10
5	QPSK	1	12	24.18	24.25	24.18	25.10
5	QPSK	1	24	24.13	24.19	24.09	25.10
5	QPSK	12	0	23.23	23.34	23.23	24.10
5	QPSK	12	7	23.07	23.23	23.17	24.10
5	QPSK	12	13	23.12	23.33	23.22	24.10
5	QPSK	25	0	22.92	23.21	23.08	24.10
5	16QAM	1	0	23.35	23.40	23.17	24.10
5	16QAM	1	12	23.12	23.34	23.11	24.10
5	16QAM	1	24	23.00	23.18	23.00	24.10

5	16QAM	12	0	22.22	22.26	22.13	23.10
5	16QAM	12	7	21.92	22.12	22.07	23.10
5	16QAM	12	13	22.05	22.09	22.06	23.10
5	16QAM	25	0	22.01	22.04	21.97	23.10
5	64QAM	1	0	22.07	22.33	22.07	23.10
5	64QAM	1	12	22.07	22.12	22.07	23.10
5	64QAM	1	24	22.04	22.22	22.12	23.10
5	64QAM	12	0	21.14	21.30	21.27	22.10
5	64QAM	12	7	21.13	21.23	21.23	22.10
5	64QAM	12	13	21.03	21.05	21.02	22.10
5	64QAM	25	0	21.12	21.10	21.20	22.10
5	256QAM	1	0	19.14	19.27	19.32	20.10
5	256QAM	1	12	19.17	19.33	19.16	20.10
5	256QAM	1	24	19.22	19.40	19.39	20.10
5	256QAM	12	0	19.18	19.36	19.19	20.10
5	256QAM	12	7	19.18	19.35	19.21	20.10
5	256QAM	12	13	18.94	19.13	19.04	20.10
5	256QAM	25	0	19.23	19.28	19.13	20.10

【LTE Band 38_Ant 8_DS17】

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	18.80	18.91	18.88	20.20
20	QPSK	1	49	18.71	18.84	18.66	20.20
20	QPSK	1	99	18.80	18.80	18.75	20.20
20	QPSK	50	0	18.74	18.79	18.70	20.20
20	QPSK	50	24	18.70	18.77	18.73	20.20
20	QPSK	50	50	18.71	18.75	18.66	20.20
20	QPSK	100	0	18.60	18.67	18.56	20.20
20	16QAM	1	0	18.67	18.76	18.76	20.20
20	16QAM	1	49	18.58	18.60	18.76	20.20
20	16QAM	1	99	18.67	18.63	18.71	20.20
20	16QAM	50	0	18.69	18.65	18.76	20.20
20	16QAM	50	24	18.76	18.69	18.89	20.20
20	16QAM	50	50	18.73	18.66	18.78	20.20
20	16QAM	100	0	18.69	18.87	18.76	20.20
20	64QAM	1	0	18.69	18.66	18.81	20.20
20	64QAM	1	49	18.75	18.72	18.72	20.20
20	64QAM	1	99	18.81	18.90	18.72	20.20
20	64QAM	50	0	18.74	18.80	18.77	20.20
20	64QAM	50	24	18.64	18.81	18.75	20.20
20	64QAM	50	50	18.68	18.86	18.87	20.20
20	64QAM	100	0	18.77	18.77	18.76	20.20
20	256QAM	1	0	18.79	18.83	18.76	20.20
20	256QAM	1	49	18.66	18.97	18.77	20.20
20	256QAM	1	99	18.77	18.74	18.73	20.20
20	256QAM	50	0	18.71	18.78	18.75	20.20
20	256QAM	50	24	18.64	18.72	18.78	20.20
20	256QAM	50	50	18.73	18.71	18.74	20.20
20	256QAM	100	0	18.69	18.80	18.72	20.20
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.78	18.87	18.82	20.20
15	QPSK	1	37	18.68	18.76	18.52	20.20
15	QPSK	1	74	18.78	18.79	18.62	20.20
15	QPSK	36	0	18.63	18.73	18.60	20.20
15	QPSK	36	20	18.65	18.74	18.60	20.20
15	QPSK	36	39	18.60	18.71	18.55	20.20
15	QPSK	75	0	18.45	18.53	18.46	20.20
15	16QAM	1	0	18.53	18.61	18.69	20.20
15	16QAM	1	37	18.52	18.49	18.69	20.20
15	16QAM	1	74	18.62	18.52	18.57	20.20
15	16QAM	36	0	18.57	18.59	18.71	20.20
15	16QAM	36	20	18.67	18.62	18.87	20.20
15	16QAM	36	39	18.58	18.62	18.66	20.20
15	16QAM	75	0	18.63	18.83	18.63	20.20
15	64QAM	1	0	18.59	18.53	18.71	20.20
15	64QAM	1	37	18.61	18.60	18.58	20.20
15	64QAM	1	74	18.78	18.88	18.69	20.20
15	64QAM	36	0	18.69	18.77	18.64	20.20
15	64QAM	36	20	18.63	18.73	18.68	20.20



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15	64QAM	36	39	18.57	18.76	18.81	20.20
15	64QAM	75	0	18.72	18.66	18.69	20.20
15	256QAM	1	0	18.74	18.78	18.63	20.20
15	256QAM	1	37	18.56	18.87	18.65	20.20
15	256QAM	1	74	18.72	18.69	18.60	20.20
15	256QAM	36	0	18.70	18.68	18.65	20.20
15	256QAM	36	20	18.53	18.67	18.75	20.20
15	256QAM	36	39	18.60	18.57	18.68	20.20
15	256QAM	75	0	18.64	18.69	18.61	20.20
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.66	18.78	18.84	20.20
10	QPSK	1	25	18.58	18.72	18.63	20.20
10	QPSK	1	49	18.75	18.67	18.70	20.20
10	QPSK	25	0	18.63	18.74	18.68	20.20
10	QPSK	25	12	18.56	18.65	18.65	20.20
10	QPSK	25	25	18.66	18.68	18.64	20.20
10	QPSK	50	0	18.51	18.54	18.44	20.20
10	16QAM	1	0	18.60	18.75	18.67	20.20
10	16QAM	1	25	18.45	18.47	18.63	20.20
10	16QAM	1	49	18.65	18.58	18.58	20.20
10	16QAM	25	0	18.64	18.61	18.69	20.20
10	16QAM	25	12	18.62	18.64	18.74	20.20
10	16QAM	25	25	18.64	18.59	18.68	20.20
10	16QAM	50	0	18.65	18.73	18.64	20.20
10	64QAM	1	0	18.67	18.51	18.68	20.20
10	64QAM	1	25	18.68	18.57	18.69	20.20
10	64QAM	1	49	18.77	18.87	18.68	20.20
10	64QAM	25	0	18.72	18.73	18.64	20.20
10	64QAM	25	12	18.58	18.70	18.66	20.20
10	64QAM	25	25	18.61	18.85	18.76	20.20
10	64QAM	50	0	18.76	18.69	18.72	20.20
10	256QAM	1	0	18.64	18.71	18.71	20.20
10	256QAM	1	25	18.58	18.86	18.68	20.20
10	256QAM	1	49	18.66	18.72	18.66	20.20
10	256QAM	25	0	18.68	18.65	18.67	20.20
10	256QAM	25	12	18.58	18.63	18.73	20.20
10	256QAM	25	25	18.64	18.58	18.60	20.20
10	256QAM	50	0	18.63	18.67	18.67	20.20
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.73	18.78	18.74	20.20
5	QPSK	1	12	18.62	18.72	18.52	20.20
5	QPSK	1	24	18.67	18.69	18.72	20.20
5	QPSK	12	0	18.69	18.75	18.59	20.20
5	QPSK	12	7	18.63	18.67	18.70	20.20
5	QPSK	12	13	18.59	18.61	18.56	20.20
5	QPSK	25	0	18.54	18.64	18.47	20.20
5	16QAM	1	0	18.58	18.70	18.61	20.20
5	16QAM	1	12	18.44	18.46	18.70	20.20
5	16QAM	1	24	18.58	18.58	18.65	20.20
5	16QAM	12	0	18.65	18.60	18.69	20.20
5	16QAM	12	7	18.70	18.58	18.81	20.20
5	16QAM	12	13	18.68	18.64	18.65	20.20
5	16QAM	25	0	18.61	18.82	18.65	20.20
5	64QAM	1	0	18.57	18.59	18.71	20.20
5	64QAM	1	12	18.74	18.71	18.62	20.20
5	64QAM	1	24	18.77	18.78	18.64	20.20
5	64QAM	12	0	18.59	18.65	18.68	20.20
5	64QAM	12	7	18.57	18.76	18.64	20.20
5	64QAM	12	13	18.57	18.85	18.75	20.20
5	64QAM	25	0	18.75	18.64	18.62	20.20
5	256QAM	1	0	18.74	18.74	18.73	20.20
5	256QAM	1	12	18.64	18.94	18.74	20.20
5	256QAM	1	24	18.72	18.66	18.63	20.20
5	256QAM	12	0	18.64	18.76	18.70	20.20
5	256QAM	12	7	18.57	18.57	18.63	20.20
5	256QAM	12	13	18.60	18.59	18.68	20.20
5	256QAM	25	0	18.54	18.73	18.69	20.20

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

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Power	Power	Tune-up
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				Low Ch. / Freq.	Middle Ch. / Freq.	Middle Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.06	24.29	24.36	24.35	24.20	25.10
20	QPSK	1	49	23.96	24.15	24.24	24.12	23.91	25.10
20	QPSK	1	99	23.93	24.00	24.20	24.12	23.93	25.10
20	QPSK	50	0	22.94	23.00	23.23	23.07	22.90	24.10
20	QPSK	50	24	22.92	22.82	23.07	23.05	23.05	24.10
20	QPSK	50	50	22.80	22.82	23.09	22.81	22.97	24.10
20	QPSK	100	0	22.62	22.79	23.11	22.88	22.86	24.10
20	16QAM	1	0	23.16	23.19	23.45	23.24	23.26	24.10
20	16QAM	1	49	23.20	23.15	23.39	23.36	23.08	24.10
20	16QAM	1	99	22.93	22.93	23.31	23.11	23.15	24.10
20	16QAM	50	0	21.96	22.15	22.17	22.15	22.01	23.10
20	16QAM	50	24	22.03	22.04	22.10	22.14	21.96	23.10
20	16QAM	50	50	21.86	21.81	21.98	21.95	21.84	23.10
20	16QAM	100	0	21.78	22.04	22.15	21.95	21.92	23.10
20	64QAM	1	0	22.13	22.07	22.21	22.25	22.03	23.10
20	64QAM	1	49	21.91	21.91	22.10	22.02	21.97	23.10
20	64QAM	1	99	21.70	21.93	22.20	21.95	21.88	23.10
20	64QAM	50	0	20.84	21.02	21.31	21.08	20.98	22.10
20	64QAM	50	24	20.90	20.94	21.15	21.13	20.99	22.10
20	64QAM	50	50	20.76	20.95	21.10	21.15	21.06	22.10
20	64QAM	100	0	21.03	21.01	21.05	21.14	21.10	22.10
20	256QAM	1	0	18.76	19.01	19.10	18.96	18.95	20.10
20	256QAM	1	49	18.93	19.02	19.21	19.17	19.00	20.10
20	256QAM	1	99	18.90	19.10	19.22	19.12	18.98	20.10
20	256QAM	50	0	18.72	18.98	19.06	18.92	18.91	20.10
20	256QAM	50	24	18.73	18.90	19.07	19.01	18.93	20.10
20	256QAM	50	50	18.95	19.13	19.23	19.12	19.07	20.10
20	256QAM	100	0	18.77	18.96	19.08	18.93	18.90	20.10
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	23.93	24.34	24.20	24.22	24.19	25.10
15	QPSK	1	37	23.86	24.06	24.19	24.01	23.83	25.10
15	QPSK	1	74	23.83	23.87	24.15	24.01	23.88	25.10
15	QPSK	36	0	22.81	22.88	23.14	22.96	22.82	24.10
15	QPSK	36	20	22.78	22.76	23.06	22.90	22.93	24.10
15	QPSK	36	39	22.76	22.81	23.05	22.79	22.83	24.10
15	QPSK	75	0	22.52	22.69	22.97	22.78	22.85	24.10
15	16QAM	1	0	23.07	23.15	23.35	23.15	23.21	24.10
15	16QAM	1	37	23.10	23.07	23.28	23.28	22.93	24.10
15	16QAM	1	74	22.80	22.82	23.26	23.02	23.12	24.10
15	16QAM	36	0	21.86	22.03	22.09	22.02	21.92	23.10
15	16QAM	36	20	22.01	21.90	22.06	22.11	21.90	23.10
15	16QAM	36	39	21.75	21.77	21.91	21.85	21.69	23.10
15	16QAM	75	0	21.75	21.89	22.11	21.93	21.91	23.10
15	64QAM	1	0	22.11	21.93	22.08	22.21	21.95	23.10
15	64QAM	1	37	21.87	21.81	22.04	21.97	21.95	23.10
15	64QAM	1	74	21.61	21.80	22.07	21.85	21.76	23.10
15	64QAM	36	0	20.70	20.92	21.29	21.02	20.92	22.10
15	64QAM	36	20	20.87	20.87	21.09	21.00	20.96	22.10
15	64QAM	36	39	20.75	20.89	20.97	21.08	20.93	22.10
15	64QAM	75	0	20.98	20.94	20.98	21.00	21.06	22.10
15	256QAM	1	0	18.74	18.88	18.97	18.95	18.93	20.10
15	256QAM	1	37	18.84	18.99	19.10	19.07	18.90	20.10
15	256QAM	1	74	18.75	19.03	19.10	18.98	18.92	20.10
15	256QAM	36	0	18.67	18.95	18.92	18.79	18.87	20.10
15	256QAM	36	20	18.58	18.78	19.00	18.90	18.82	20.10
15	256QAM	36	39	18.91	19.11	19.15	18.98	18.92	20.10
15	256QAM	75	0	18.72	18.90	19.06	18.82	18.79	20.10
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.04	24.26	24.23	24.24	24.17	25.10
10	QPSK	1	25	23.83	24.08	24.14	24.11	23.80	25.10
10	QPSK	1	49	23.86	23.92	24.07	24.04	23.79	25.10
10	QPSK	25	0	22.86	22.93	23.22	23.05	22.78	24.10
10	QPSK	25	12	22.86	22.76	22.99	22.97	23.04	24.10
10	QPSK	25	25	22.75	22.73	23.01	22.71	22.83	24.10
10	QPSK	50	0	22.55	22.78	23.01	22.74	22.81	24.10
10	16QAM	1	0	23.07	23.08	23.42	23.16	23.20	24.10
10	16QAM	1	25	23.09	23.00	23.26	23.30	23.02	24.10
10	16QAM	1	49	22.86	22.91	23.22	23.08	23.01	24.10
10	16QAM	25	0	21.87	22.06	22.09	22.05	21.98	23.10
10	16QAM	25	12	21.97	21.90	22.08	22.10	21.95	23.10



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10	16QAM	25	25	21.77	21.70	21.87	21.88	21.82	23.10
10	16QAM	50	0	21.77	21.98	22.13	21.90	21.79	23.10
10	64QAM	1	0	22.04	21.99	22.17	22.14	21.97	23.10
10	64QAM	1	25	21.80	21.83	22.03	21.87	21.86	23.10
10	64QAM	1	49	21.61	21.90	22.10	21.92	21.79	23.10
10	64QAM	25	0	20.76	20.97	21.17	20.98	20.84	22.10
10	64QAM	25	12	20.85	20.87	21.08	21.10	20.94	22.10
10	64QAM	25	25	20.61	20.85	21.08	21.08	21.02	22.10
10	64QAM	50	0	21.01	20.90	20.98	21.04	20.96	22.10
10	256QAM	1	0	18.75	18.90	19.07	18.93	18.85	20.10
10	256QAM	1	25	18.83	19.00	19.10	19.07	18.92	20.10
10	256QAM	1	49	18.80	19.07	19.20	19.06	18.88	20.10
10	256QAM	25	0	18.67	18.94	18.93	18.81	18.89	20.10
10	256QAM	25	12	18.65	18.80	19.00	18.90	18.90	20.10
10	256QAM	25	25	18.93	19.03	19.17	19.08	18.97	20.10
10	256QAM	50	0	18.68	18.89	19.05	18.80	18.81	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.94	24.33	24.23	24.24	24.13	25.10
5	QPSK	1	12	23.89	24.07	24.16	23.98	23.78	25.10
5	QPSK	1	24	23.86	23.87	24.17	24.09	23.79	25.10
5	QPSK	12	0	22.79	22.89	23.09	23.04	22.75	24.10
5	QPSK	12	7	22.84	22.72	22.93	22.97	22.94	24.10
5	QPSK	12	13	22.72	22.71	23.03	22.70	22.86	24.10
5	QPSK	25	0	22.49	22.65	23.02	22.79	22.77	24.10
5	16QAM	1	0	23.13	23.17	23.39	23.09	23.18	24.10
5	16QAM	1	12	23.16	23.10	23.34	23.23	23.03	24.10
5	16QAM	1	24	22.78	22.86	23.29	23.06	23.08	24.10
5	16QAM	12	0	21.94	22.04	22.12	22.01	21.90	23.10
5	16QAM	12	7	21.97	22.02	22.09	22.03	21.92	23.10
5	16QAM	12	13	21.84	21.72	21.93	21.86	21.69	23.10
5	16QAM	25	0	21.74	21.93	22.02	21.92	21.85	23.10
5	64QAM	1	0	21.99	22.03	22.14	22.19	21.91	23.10
5	64QAM	1	12	21.90	21.84	22.08	21.92	21.93	23.10
5	64QAM	1	24	21.58	21.89	22.13	21.92	21.86	23.10
5	64QAM	12	0	20.71	20.97	21.29	21.02	20.91	22.10
5	64QAM	12	7	20.89	20.93	21.12	21.07	20.87	22.10
5	64QAM	12	13	20.70	20.80	21.09	21.13	20.94	22.10
5	64QAM	25	0	20.88	20.93	20.99	21.06	21.02	22.10
5	256QAM	1	0	18.71	18.93	18.97	18.91	18.90	20.10
5	256QAM	1	12	18.84	18.89	19.18	19.04	18.88	20.10
5	256QAM	1	24	18.77	18.95	19.09	19.08	18.88	20.10
5	256QAM	12	0	18.71	18.88	18.93	18.83	18.82	20.10
5	256QAM	12	7	18.65	18.84	19.04	18.92	18.81	20.10
5	256QAM	12	13	18.91	18.99	19.16	19.06	18.96	20.10
5	256QAM	25	0	18.63	18.91	18.95	18.87	18.88	20.10

【LTE Band 41__FCC (2496~2690MHz)_Ant
5_DSI0】

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	24.06	24.29	24.36	24.35	24.20	25.10
20	QPSK	1	49	23.96	24.15	24.24	24.12	23.91	25.10
20	QPSK	1	99	23.93	24.00	24.20	24.12	23.93	25.10
20	QPSK	50	0	22.94	23.00	23.23	23.07	22.90	24.10
20	QPSK	50	24	22.92	22.82	23.07	23.05	23.05	24.10
20	QPSK	50	50	22.80	22.82	23.09	22.81	22.97	24.10
20	QPSK	100	0	22.62	22.79	23.11	22.88	22.86	24.10
20	16QAM	1	0	23.16	23.19	23.45	23.24	23.26	24.10
20	16QAM	1	49	23.20	23.15	23.39	23.36	23.08	24.10
20	16QAM	1	99	22.93	22.93	23.31	23.11	23.15	24.10
20	16QAM	50	0	21.96	22.15	22.17	22.15	22.01	23.10
20	16QAM	50	24	22.03	22.04	22.10	22.14	21.96	23.10
20	16QAM	50	50	21.86	21.81	21.98	21.95	21.84	23.10
20	16QAM	100	0	21.78	22.04	22.15	21.95	21.92	23.10
20	64QAM	1	0	22.13	22.07	22.21	22.25	22.03	23.10
20	64QAM	1	49	21.91	21.91	22.10	22.02	21.97	23.10
20	64QAM	1	99	21.70	21.93	22.20	21.95	21.88	23.10
20	64QAM	50	0	20.84	21.02	21.31	21.08	20.98	22.10
20	64QAM	50	24	20.90	20.94	21.15	21.13	20.99	22.10
20	64QAM	50	50	20.76	20.95	21.10	21.15	21.06	22.10
20	64QAM	100	0	21.03	21.01	21.05	21.14	21.10	22.10
20	256QAM	1	0	18.76	19.01	19.10	18.96	18.95	20.10
20	256QAM	1	49	18.93	19.02	19.21	19.17	19.00	20.10
20	256QAM	1	99	18.90	19.10	19.22	19.12	18.98	20.10
20	256QAM	50	0	18.72	18.98	19.06	18.92	18.91	20.10
20	256QAM	50	24	18.73	18.90	19.07	19.01	18.93	20.10
20	256QAM	50	50	18.95	19.13	19.23	19.12	19.07	20.10
20	256QAM	100	0	18.77	18.96	19.08	18.93	18.90	20.10
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	23.93	24.34	24.20	24.22	24.19	25.10
15	QPSK	1	37	23.86	24.06	24.19	24.01	23.83	25.10
15	QPSK	1	74	23.83	23.87	24.15	24.01	23.88	25.10
15	QPSK	36	0	22.81	22.88	23.14	22.96	22.82	24.10
15	QPSK	36	20	22.78	22.76	23.06	22.90	22.93	24.10
15	QPSK	36	39	22.76	22.81	23.05	22.79	22.83	24.10
15	QPSK	75	0	22.52	22.69	22.97	22.78	22.85	24.10
15	16QAM	1	0	23.07	23.15	23.35	23.15	23.21	24.10
15	16QAM	1	37	23.10	23.07	23.28	23.28	22.93	24.10
15	16QAM	1	74	22.80	22.82	23.26	23.02	23.12	24.10
15	16QAM	36	0	21.86	22.03	22.09	22.02	21.92	23.10
15	16QAM	36	20	22.01	21.90	22.06	22.11	21.90	23.10
15	16QAM	36	39	21.75	21.77	21.91	21.85	21.69	23.10
15	16QAM	75	0	21.75	21.89	22.11	21.93	21.91	23.10
15	64QAM	1	0	22.11	21.93	22.08	22.21	21.95	23.10
15	64QAM	1	37	21.87	21.81	22.04	21.97	21.95	23.10
15	64QAM	1	74	21.61	21.80	22.07	21.85	21.76	23.10
15	64QAM	36	0	20.70	20.92	21.29	21.02	20.92	22.10
15	64QAM	36	20	20.87	20.87	21.09	21.00	20.96	22.10
15	64QAM	36	39	20.75	20.89	20.97	21.08	20.93	22.10
15	64QAM	75	0	20.98	20.94	20.98	21.00	21.06	22.10
15	256QAM	1	0	18.74	18.88	18.97	18.95	18.93	20.10
15	256QAM	1	37	18.84	18.99	19.10	19.07	18.90	20.10
15	256QAM	1	74	18.75	19.03	19.10	18.98	18.92	20.10
15	256QAM	36	0	18.67	18.95	18.92	18.79	18.87	20.10
15	256QAM	36	20	18.58	18.78	19.00	18.90	18.82	20.10
15	256QAM	36	39	18.91	19.11	19.15	18.98	18.92	20.10
15	256QAM	75	0	18.72	18.90	19.06	18.82	18.79	20.10
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.04	24.26	24.23	24.24	24.17	25.10
10	QPSK	1	25	23.83	24.08	24.14	24.11	23.80	25.10
10	QPSK	1	49	23.86	23.92	24.07	24.04	23.79	25.10
10	QPSK	25	0	22.86	22.93	23.22	23.05	22.78	24.10
10	QPSK	25	12	22.86	22.76	22.99	22.97	23.04	24.10
10	QPSK	25	25	22.75	22.73	23.01	22.71	22.83	24.10
10	QPSK	50	0	22.55	22.78	23.01	22.74	22.81	24.10
10	16QAM	1	0	23.07	23.08	23.42	23.16	23.20	24.10

10	16QAM	1	25	23.09	23.00	23.26	23.30	23.02	24.10
10	16QAM	1	49	22.86	22.91	23.22	23.08	23.01	24.10
10	16QAM	25	0	21.87	22.06	22.09	22.05	21.98	23.10
10	16QAM	25	12	21.97	21.90	22.08	22.10	21.95	23.10
10	16QAM	25	25	21.77	21.70	21.87	21.88	21.82	23.10
10	16QAM	50	0	21.77	21.98	22.13	21.90	21.79	23.10
10	64QAM	1	0	22.04	21.99	22.17	22.14	21.97	23.10
10	64QAM	1	25	21.80	21.83	22.03	21.87	21.86	23.10
10	64QAM	1	49	21.61	21.90	22.10	21.92	21.79	23.10
10	64QAM	25	0	20.76	20.97	21.17	20.98	20.84	22.10
10	64QAM	25	12	20.85	20.87	21.08	21.10	20.94	22.10
10	64QAM	25	25	20.61	20.85	21.08	21.08	21.02	22.10
10	64QAM	50	0	21.01	20.90	20.98	21.04	20.96	22.10
10	256QAM	1	0	18.75	18.90	19.07	18.93	18.85	20.10
10	256QAM	1	25	18.83	19.00	19.10	19.07	18.92	20.10
10	256QAM	1	49	18.80	19.07	19.20	19.06	18.88	20.10
10	256QAM	25	0	18.67	18.94	18.93	18.81	18.89	20.10
10	256QAM	25	12	18.65	18.80	19.00	18.90	18.90	20.10
10	256QAM	25	25	18.93	19.03	19.17	19.08	18.97	20.10
10	256QAM	50	0	18.68	18.89	19.05	18.80	18.81	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.94	24.33	24.23	24.24	24.13	25.10
5	QPSK	1	12	23.89	24.07	24.16	23.98	23.78	25.10
5	QPSK	1	24	23.86	23.87	24.17	24.09	23.79	25.10
5	QPSK	12	0	22.79	22.89	23.09	23.04	22.75	24.10
5	QPSK	12	7	22.84	22.72	22.93	22.97	22.94	24.10
5	QPSK	12	13	22.72	22.71	23.03	22.70	22.86	24.10
5	QPSK	25	0	22.49	22.65	23.02	22.79	22.77	24.10
5	16QAM	1	0	23.13	23.17	23.39	23.09	23.18	24.10
5	16QAM	1	12	23.16	23.10	23.34	23.23	23.03	24.10
5	16QAM	1	24	22.78	22.86	23.29	23.06	23.08	24.10
5	16QAM	12	0	21.94	22.04	22.12	22.01	21.90	23.10
5	16QAM	12	7	21.97	22.02	22.09	22.03	21.92	23.10
5	16QAM	12	13	21.84	21.72	21.93	21.86	21.69	23.10
5	16QAM	25	0	21.74	21.93	22.02	21.92	21.85	23.10
5	64QAM	1	0	21.99	22.03	22.14	22.19	21.91	23.10
5	64QAM	1	12	21.90	21.84	22.08	21.92	21.93	23.10
5	64QAM	1	24	21.58	21.89	22.13	21.92	21.86	23.10
5	64QAM	12	0	20.71	20.97	21.29	21.02	20.91	22.10
5	64QAM	12	7	20.89	20.93	21.12	21.07	20.87	22.10
5	64QAM	12	13	20.70	20.80	21.09	21.13	20.94	22.10
5	64QAM	25	0	20.88	20.93	20.99	21.06	21.02	22.10
5	256QAM	1	0	18.71	18.93	18.97	18.91	18.90	20.10
5	256QAM	1	12	18.84	18.89	19.18	19.04	18.88	20.10
5	256QAM	1	24	18.77	18.95	19.09	19.08	18.88	20.10
5	256QAM	12	0	18.71	18.88	18.93	18.83	18.82	20.10
5	256QAM	12	7	18.65	18.84	19.04	18.92	18.81	20.10
5	256QAM	12	13	18.91	18.99	19.16	19.06	18.96	20.10
5	256QAM	25	0	18.63	18.91	18.95	18.87	18.88	20.10

【LTE Band 41__FCC (2496~2690MHz)_Ant
5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.80	16.82	16.87	16.84	16.79	18.00
20	QPSK	1	49	16.63	16.68	16.74	16.69	16.61	18.00
20	QPSK	1	99	16.58	16.74	16.78	16.64	16.60	18.00
20	QPSK	50	0	16.71	16.79	16.81	16.76	16.71	18.00
20	QPSK	50	24	16.50	16.64	16.67	16.67	16.55	18.00
20	QPSK	50	50	16.57	16.68	16.76	16.64	16.61	18.00
20	QPSK	100	0	16.53	16.43	16.66	16.43	16.55	18.00
20	16QAM	1	0	16.60	16.57	16.70	16.69	16.56	18.00
20	16QAM	1	49	16.47	16.55	16.62	16.65	16.44	18.00
20	16QAM	1	99	16.44	16.59	16.54	16.57	16.33	18.00
20	16QAM	50	0	16.41	16.71	16.59	16.68	16.38	18.00
20	16QAM	50	24	16.50	16.69	16.61	16.76	16.50	18.00
20	16QAM	50	50	16.48	16.78	16.69	16.71	16.49	18.00
20	16QAM	100	0	16.59	16.54	16.74	16.73	16.52	18.00
20	64QAM	1	0	16.67	16.67	16.75	16.78	16.66	18.00



FCC SAR Test Report

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20	64QAM	1	49	16.53	16.70	16.74	16.74	16.60	18.00
20	64QAM	1	99	16.74	16.71	16.85	16.70	16.69	18.00
20	64QAM	50	0	16.53	16.80	16.73	16.70	16.62	18.00
20	64QAM	50	24	16.62	16.62	16.73	16.68	16.62	18.00
20	64QAM	50	50	16.67	16.58	16.76	16.85	16.55	18.00
20	64QAM	100	0	16.52	16.69	16.70	16.83	16.48	18.00
20	256QAM	1	0	16.52	16.72	16.74	16.64	16.64	18.00
20	256QAM	1	49	16.75	16.59	16.95	16.70	16.84	18.00
20	256QAM	1	99	16.58	16.80	16.70	16.77	16.54	18.00
20	256QAM	50	0	16.70	16.73	16.83	16.71	16.65	18.00
20	256QAM	50	24	16.58	16.58	16.78	16.73	16.62	18.00
20	256QAM	50	50	16.45	16.60	16.65	16.70	16.44	18.00
20	256QAM	100	0	16.66	16.67	16.79	16.78	16.66	18.00
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	16.66	16.80	16.76	16.79	16.76	18.00
15	QPSK	1	37	16.53	16.62	16.72	16.64	16.60	18.00
15	QPSK	1	74	16.48	16.62	16.66	16.59	16.57	18.00
15	QPSK	36	0	16.68	16.70	16.69	16.63	16.61	18.00
15	QPSK	36	20	16.46	16.57	16.59	16.58	16.44	18.00
15	QPSK	36	39	16.51	16.64	16.61	16.58	16.57	18.00
15	QPSK	75	0	16.48	16.32	16.52	16.33	16.47	18.00
15	16QAM	1	0	16.51	16.52	16.56	16.55	16.49	18.00
15	16QAM	1	37	16.37	16.42	16.56	16.57	16.36	18.00
15	16QAM	1	74	16.32	16.52	16.43	16.45	16.23	18.00
15	16QAM	36	0	16.31	16.60	16.57	16.60	16.32	18.00
15	16QAM	36	20	16.38	16.59	16.54	16.70	16.40	18.00
15	16QAM	36	39	16.39	16.71	16.59	16.68	16.39	18.00
15	16QAM	75	0	16.57	16.53	16.67	16.65	16.43	18.00
15	64QAM	1	0	16.65	16.60	16.68	16.63	16.59	18.00
15	64QAM	1	37	16.48	16.60	16.60	16.68	16.57	18.00
15	64QAM	1	74	16.68	16.64	16.73	16.66	16.55	18.00
15	64QAM	36	0	16.46	16.76	16.72	16.64	16.55	18.00
15	64QAM	36	20	16.58	16.53	16.71	16.56	16.54	18.00
15	64QAM	36	39	16.57	16.45	16.71	16.78	16.43	18.00
15	64QAM	75	0	16.38	16.57	16.64	16.73	16.41	18.00
15	256QAM	1	0	16.50	16.63	16.68	16.58	16.57	18.00
15	256QAM	1	37	16.70	16.52	16.91	16.60	16.77	18.00
15	256QAM	1	74	16.48	16.72	16.58	16.74	16.49	18.00
15	256QAM	36	0	16.57	16.69	16.73	16.56	16.53	18.00
15	256QAM	36	20	16.46	16.54	16.69	16.67	16.54	18.00
15	256QAM	36	39	16.31	16.54	16.57	16.60	16.37	18.00
15	256QAM	75	0	16.63	16.59	16.76	16.65	16.56	18.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.65	16.75	16.79	16.74	16.75	18.00
10	QPSK	1	25	16.53	16.60	16.68	16.68	16.60	18.00
10	QPSK	1	49	16.49	16.72	16.68	16.56	16.48	18.00
10	QPSK	25	0	16.65	16.64	16.71	16.64	16.59	18.00
10	QPSK	25	12	16.43	16.52	16.56	16.58	16.51	18.00
10	QPSK	25	25	16.51	16.65	16.64	16.59	16.47	18.00
10	QPSK	50	0	16.48	16.41	16.59	16.28	16.43	18.00
10	16QAM	1	0	16.45	16.55	16.64	16.65	16.54	18.00
10	16QAM	1	25	16.35	16.53	16.61	16.62	16.33	18.00
10	16QAM	1	49	16.30	16.46	16.45	16.46	16.30	18.00
10	16QAM	25	0	16.30	16.63	16.45	16.66	16.28	18.00
10	16QAM	25	12	16.43	16.55	16.48	16.74	16.48	18.00
10	16QAM	25	25	16.47	16.68	16.67	16.60	16.38	18.00
10	16QAM	50	0	16.50	16.41	16.72	16.63	16.46	18.00
10	64QAM	1	0	16.61	16.62	16.64	16.73	16.53	18.00
10	64QAM	1	25	16.52	16.60	16.65	16.62	16.56	18.00
10	64QAM	1	49	16.61	16.68	16.77	16.69	16.63	18.00
10	64QAM	25	0	16.50	16.75	16.65	16.66	16.54	18.00
10	64QAM	25	12	16.51	16.59	16.62	16.63	16.56	18.00
10	64QAM	25	25	16.65	16.51	16.74	16.72	16.45	18.00
10	64QAM	50	0	16.45	16.55	16.66	16.79	16.44	18.00
10	256QAM	1	0	16.39	16.66	16.65	16.49	16.60	18.00
10	256QAM	1	25	16.71	16.54	16.80	16.65	16.74	18.00
10	256QAM	1	49	16.55	16.78	16.58	16.72	16.41	18.00
10	256QAM	25	0	16.62	16.66	16.75	16.64	16.52	18.00
10	256QAM	25	12	16.54	16.48	16.73	16.63	16.50	18.00
10	256QAM	25	25	16.35	16.53	16.63	16.64	16.34	18.00
10	256QAM	50	0	16.53	16.57	16.73	16.65	16.63	18.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	

5	QPSK	1	0	16.73	16.68	16.74	16.75	16.76	18.00
5	QPSK	1	12	16.55	16.64	16.60	16.61	16.48	18.00
5	QPSK	1	24	16.55	16.66	16.64	16.54	16.45	18.00
5	QPSK	12	0	16.69	16.68	16.77	16.75	16.61	18.00
5	QPSK	12	7	16.45	16.54	16.56	16.56	16.43	18.00
5	QPSK	12	13	16.47	16.63	16.72	16.56	16.47	18.00
5	QPSK	25	0	16.44	16.35	16.59	16.35	16.43	18.00
5	16QAM	1	0	16.58	16.45	16.63	16.56	16.46	18.00
5	16QAM	1	12	16.44	16.45	16.59	16.55	16.30	18.00
5	16QAM	1	24	16.41	16.44	16.48	16.43	16.19	18.00
5	16QAM	12	0	16.33	16.70	16.48	16.60	16.33	18.00
5	16QAM	12	7	16.36	16.56	16.54	16.66	16.35	18.00
5	16QAM	12	13	16.45	16.66	16.66	16.64	16.37	18.00
5	16QAM	25	0	16.46	16.51	16.67	16.68	16.38	18.00
5	64QAM	1	0	16.61	16.56	16.69	16.76	16.61	18.00
5	64QAM	1	12	16.42	16.65	16.67	16.70	16.46	18.00
5	64QAM	1	24	16.72	16.66	16.71	16.58	16.67	18.00
5	64QAM	12	0	16.41	16.76	16.66	16.59	16.56	18.00
5	64QAM	12	7	16.57	16.48	16.67	16.53	16.57	18.00
5	64QAM	12	13	16.60	16.44	16.67	16.83	16.41	18.00
5	64QAM	25	0	16.45	16.67	16.63	16.73	16.46	18.00
5	256QAM	1	0	16.42	16.65	16.66	16.49	16.61	18.00
5	256QAM	1	12	16.60	16.48	16.82	16.61	16.71	18.00
5	256QAM	1	24	16.56	16.67	16.66	16.71	16.48	18.00
5	256QAM	12	0	16.58	16.70	16.73	16.60	16.52	18.00
5	256QAM	12	7	16.48	16.57	16.69	16.67	16.52	18.00
5	256QAM	12	13	16.44	16.51	16.63	16.68	16.40	18.00
5	256QAM	25	0	16.58	16.60	16.77	16.68	16.52	18.00

【LTE Band 41__FCC (2496~2690MHz)_Ant
8_Full power】

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	24.28	24.38	24.47	24.45	24.35	25.10
20	QPSK	1	49	24.11	24.25	24.36	24.32	24.13	25.10
20	QPSK	1	99	24.07	24.16	24.32	24.25	24.09	25.10
20	QPSK	50	0	23.14	23.17	23.38	23.30	23.12	24.10
20	QPSK	50	24	22.94	23.04	23.21	23.12	23.08	24.10
20	QPSK	50	50	22.89	22.97	23.19	23.02	23.03	24.10
20	QPSK	100	0	22.85	22.94	23.15	23.09	22.98	24.10
20	16QAM	1	0	23.30	23.41	23.53	23.43	23.36	24.10
20	16QAM	1	49	23.29	23.37	23.51	23.45	23.30	24.10
20	16QAM	1	99	23.14	23.16	23.34	23.30	23.19	24.10
20	16QAM	50	0	22.16	22.22	22.35	22.19	22.14	23.10
20	16QAM	50	24	22.10	22.12	22.29	22.23	22.11	23.10
20	16QAM	50	50	21.98	22.04	22.17	22.09	21.91	23.10
20	16QAM	100	0	21.95	22.09	22.20	22.13	22.00	23.10
20	64QAM	1	0	22.15	22.20	22.42	22.35	22.17	23.10
20	64QAM	1	49	22.01	22.03	22.23	22.07	22.05	23.10
20	64QAM	1	99	21.90	22.08	22.21	22.13	22.07	23.10
20	64QAM	50	0	21.02	21.14	21.33	21.24	21.12	22.10
20	64QAM	50	24	21.01	21.10	21.21	21.18	21.03	22.10
20	64QAM	50	50	20.97	21.12	21.26	21.17	21.12	22.10
20	64QAM	100	0	21.05	21.06	21.28	21.19	21.12	22.10
20	256QAM	1	0	18.82	19.01	19.09	18.99	18.93	20.10
20	256QAM	1	49	19.02	18.98	19.20	19.07	19.07	20.10
20	256QAM	1	99	18.98	19.01	19.22	19.06	18.98	20.10
20	256QAM	50	0	18.96	18.95	19.14	19.04	18.90	20.10
20	256QAM	50	24	18.88	19.01	19.10	18.95	18.90	20.10
20	256QAM	50	50	19.04	19.10	19.20	19.05	18.99	20.10
20	256QAM	100	0	18.90	19.04	19.14	19.00	19.01	20.10
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	24.21	24.29	24.46	24.44	24.25	25.10
15	QPSK	1	37	24.02	24.10	24.33	24.30	24.12	25.10
15	QPSK	1	74	24.01	24.06	24.25	24.15	23.99	25.10
15	QPSK	36	0	23.04	23.12	23.26	23.21	23.10	24.10
15	QPSK	36	20	22.91	22.96	23.16	23.05	23.02	24.10
15	QPSK	36	39	22.81	22.93	23.06	23.01	23.01	24.10
15	QPSK	75	0	22.75	22.87	23.06	22.94	22.84	24.10
15	16QAM	1	0	23.19	23.27	23.42	23.39	23.33	24.10
15	16QAM	1	37	23.15	23.25	23.49	23.39	23.24	24.10



15	16QAM	1	74	23.05	23.14	23.28	23.25	23.08	24.10
15	16QAM	36	0	22.02	22.13	22.24	22.10	22.08	23.10
15	16QAM	36	20	22.02	22.03	22.16	22.21	22.08	23.10
15	16QAM	36	39	21.89	21.99	22.09	22.03	21.87	23.10
15	16QAM	75	0	21.80	21.96	22.08	21.99	21.85	23.10
15	64QAM	1	0	22.10	22.06	22.27	22.34	22.09	23.10
15	64QAM	1	37	21.89	21.94	22.13	21.98	21.98	23.10
15	64QAM	1	74	21.87	21.94	22.11	22.08	22.04	23.10
15	64QAM	36	0	20.97	21.12	21.19	21.22	21.08	22.10
15	64QAM	36	20	20.89	21.06	21.07	21.06	20.94	22.10
15	64QAM	36	39	20.84	21.02	21.13	21.06	21.04	22.10
15	64QAM	75	0	20.94	20.98	21.17	21.08	20.99	22.10
15	256QAM	1	0	18.69	18.93	19.05	18.90	18.92	20.10
15	256QAM	1	37	18.93	18.95	19.15	19.04	18.93	20.10
15	256QAM	1	74	18.84	18.87	19.16	18.96	18.91	20.10
15	256QAM	36	0	18.84	18.87	18.99	19.03	18.84	20.10
15	256QAM	36	20	18.86	18.88	19.05	18.92	18.89	20.10
15	256QAM	36	39	19.02	19.05	19.06	19.01	18.88	20.10
15	256QAM	75	0	18.83	18.91	19.10	18.97	18.86	20.10
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.14	24.33	24.37	24.32	24.20	25.10
10	QPSK	1	25	24.03	24.23	24.34	24.24	24.04	25.10
10	QPSK	1	49	23.97	24.03	24.19	24.13	23.94	25.10
10	QPSK	25	0	23.08	23.12	23.25	23.21	23.01	24.10
10	QPSK	25	12	22.84	22.98	23.07	23.01	23.04	24.10
10	QPSK	25	25	22.80	22.92	23.06	22.91	22.98	24.10
10	QPSK	50	0	22.76	22.90	23.08	22.94	22.88	24.10
10	16QAM	1	0	23.24	23.34	23.50	23.34	23.22	24.10
10	16QAM	1	25	23.19	23.23	23.44	23.36	23.28	24.10
10	16QAM	1	49	23.01	23.04	23.23	23.22	23.09	24.10
10	16QAM	25	0	22.08	22.13	22.29	22.10	22.12	23.10
10	16QAM	25	12	22.09	22.11	22.22	22.17	21.98	23.10
10	16QAM	25	25	21.85	21.98	22.02	21.94	21.76	23.10
10	16QAM	50	0	21.84	22.05	22.06	22.11	21.90	23.10
10	64QAM	1	0	22.09	22.08	22.30	22.20	22.08	23.10
10	64QAM	1	25	21.86	21.92	22.10	21.97	21.95	23.10
10	64QAM	1	49	21.86	22.05	22.19	22.05	22.04	23.10
10	64QAM	25	0	20.98	20.99	21.28	21.15	21.04	22.10
10	64QAM	25	12	20.99	20.99	21.08	21.04	20.99	22.10
10	64QAM	25	25	20.96	21.05	21.18	21.07	21.08	22.10
10	64QAM	50	0	21.00	21.00	21.24	21.07	21.02	22.10
10	256QAM	1	0	18.77	18.91	18.95	18.88	18.78	20.10
10	256QAM	1	25	18.95	18.93	19.11	19.03	18.97	20.10
10	256QAM	1	49	18.86	18.88	19.08	18.93	18.87	20.10
10	256QAM	25	0	18.83	18.90	19.07	18.92	18.89	20.10
10	256QAM	25	12	18.84	18.95	19.02	18.88	18.84	20.10
10	256QAM	25	25	18.93	19.05	19.10	19.01	18.96	20.10
10	256QAM	50	0	18.84	18.98	19.09	18.93	18.96	20.10
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	24.24	24.27	24.42	24.40	24.26	25.10
5	QPSK	1	12	23.97	24.13	24.33	24.28	24.01	25.10
5	QPSK	1	24	23.99	24.10	24.27	24.17	24.04	25.10
5	QPSK	12	0	23.10	23.05	23.33	23.27	23.10	24.10
5	QPSK	12	7	22.82	22.92	23.14	23.00	22.99	24.10
5	QPSK	12	13	22.82	22.85	23.17	22.99	22.98	24.10
5	QPSK	25	0	22.75	22.83	23.12	23.04	22.93	24.10
5	16QAM	1	0	23.17	23.36	23.39	23.34	23.34	24.10
5	16QAM	1	12	23.16	23.34	23.50	23.41	23.22	24.10
5	16QAM	1	24	23.09	23.07	23.21	23.22	23.12	24.10
5	16QAM	12	0	22.01	22.15	22.26	22.12	22.10	23.10
5	16QAM	12	7	22.00	22.03	22.22	22.16	22.04	23.10
5	16QAM	12	13	21.94	22.01	22.10	22.05	21.84	23.10
5	16QAM	25	0	21.89	21.99	22.11	21.98	21.96	23.10
5	64QAM	1	0	22.11	22.09	22.29	22.29	22.07	23.10
5	64QAM	1	12	21.88	21.94	22.13	22.03	22.00	23.10
5	64QAM	1	24	21.77	21.99	22.12	22.06	22.04	23.10
5	64QAM	12	0	20.99	21.05	21.20	21.16	21.05	22.10
5	64QAM	12	7	20.97	20.96	21.08	21.11	20.89	22.10
5	64QAM	12	13	20.91	21.02	21.16	21.13	21.03	22.10
5	64QAM	25	0	20.91	20.98	21.27	21.10	21.10	22.10
5	256QAM	1	0	18.76	18.93	19.06	18.87	18.82	20.10
5	256QAM	1	12	18.98	18.90	19.09	19.01	18.94	20.10
5	256QAM	1	24	18.92	18.99	19.11	19.02	18.94	20.10
5	256QAM	12	0	18.94	18.85	19.13	19.01	18.84	20.10

5	256QAM	12	7	18.82	18.99	18.98	18.84	18.82	20.10
5	256QAM	12	13	18.94	18.95	19.19	18.91	18.88	20.10
5	256QAM	25	0	18.84	18.93	19.04	18.99	18.91	20.10

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 8_Full power】

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	25.88	26.05	26.10	26.10	25.96	27.00
20	QPSK	1	49	25.78	25.89	25.99	25.94	25.79	27.00
20	QPSK	1	99	25.76	25.80	25.92	25.84	25.71	27.00
20	QPSK	50	0	24.72	24.79	25.01	24.92	24.73	26.00
20	QPSK	50	24	24.60	24.70	24.80	24.80	24.66	26.00
20	QPSK	50	50	24.50	24.63	24.77	24.60	24.66	26.00
20	QPSK	100	0	24.43	24.56	24.78	24.78	24.63	26.00
20	16QAM	1	0	24.97	25.00	25.10	25.09	24.94	26.00
20	16QAM	1	49	24.97	25.00	25.16	25.05	24.88	26.00
20	16QAM	1	99	24.73	24.79	25.01	24.91	24.85	26.00
20	16QAM	50	0	23.78	23.86	24.02	23.78	23.80	25.00
20	16QAM	50	24	23.78	23.74	23.93	23.91	23.69	25.00
20	16QAM	50	50	23.59	23.73	23.83	23.68	23.49	25.00
20	16QAM	100	0	23.53	23.70	23.85	23.72	23.61	25.00
20	64QAM	1	0	23.81	23.88	24.06	23.98	23.83	25.00
20	64QAM	1	49	23.70	23.61	23.84	23.76	23.66	25.00
20	64QAM	1	99	23.58	23.66	23.80	23.72	23.65	25.00
20	64QAM	50	0	22.64	22.79	22.93	22.82	22.78	24.00
20	64QAM	50	24	22.61	22.72	22.86	22.77	22.63	24.00
20	64QAM	50	50	22.58	22.71	22.89	22.82	22.74	24.00
20	64QAM	100	0	22.69	22.65	22.96	22.86	22.73	24.00
20	256QAM	1	0	20.47	20.60	20.76	20.67	20.59	22.00
20	256QAM	1	49	20.63	20.63	20.78	20.73	20.67	22.00
20	256QAM	1	99	20.62	20.69	20.84	20.75	20.60	22.00
20	256QAM	50	0	20.64	20.57	20.83	20.72	20.54	22.00
20	256QAM	50	24	20.45	20.64	20.69	20.59	20.52	22.00
20	256QAM	50	50	20.62	20.67	20.79	20.73	20.66	22.00
20	256QAM	100	0	20.50	20.65	20.81	20.68	20.69	22.00
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	25.80	25.93	26.05	26.08	25.86	27.00
15	QPSK	1	37	25.72	25.88	25.90	25.81	25.66	27.00
15	QPSK	1	74	25.74	25.69	25.82	25.81	25.68	27.00
15	QPSK	36	0	24.69	24.76	24.94	24.78	24.58	26.00
15	QPSK	36	20	24.45	24.59	24.72	24.69	24.52	26.00
15	QPSK	36	39	24.37	24.54	24.63	24.52	24.64	26.00
15	QPSK	75	0	24.42	24.48	24.71	24.74	24.51	26.00
15	16QAM	1	0	24.94	24.92	25.02	24.97	24.89	26.00
15	16QAM	1	37	24.85	24.91	25.02	24.96	24.84	26.00
15	16QAM	1	74	24.59	24.75	24.89	24.82	24.77	26.00
15	16QAM	36	0	23.63	23.85	23.92	23.76	23.70	25.00
15	16QAM	36	20	23.67	23.68	23.79	23.90	23.55	25.00
15	16QAM	36	39	23.45	23.71	23.79	23.56	23.34	25.00
15	16QAM	75	0	23.44	23.64	23.78	23.65	23.59	25.00
15	64QAM	1	0	23.77	23.87	23.93	23.91	23.80	25.00
15	64QAM	1	37	23.61	23.51	23.72	23.66	23.64	25.00
15	64QAM	1	74	23.50	23.52	23.79	23.58	23.52	25.00
15	64QAM	36	0	22.52	22.71	22.87	22.79	22.68	24.00
15	64QAM	36	20	22.55	22.60	22.74	22.72	22.60	24.00
15	64QAM	36	39	22.44	22.58	22.83	22.77	22.60	24.00
15	64QAM	75	0	22.62	22.60	22.86	22.74	22.70	24.00
15	256QAM	1	0	20.37	20.54	20.74	20.56	20.50	22.00
15	256QAM	1	37	20.62	20.59	20.69	20.61	20.62	22.00
15	256QAM	1	74	20.54	20.68	20.79	20.69	20.51	22.00
15	256QAM	36	0	20.59	20.49	20.82	20.58	20.52	22.00
15	256QAM	36	20	20.38	20.52	20.64	20.54	20.43	22.00
15	256QAM	36	39	20.53	20.59	20.70	20.68	20.63	22.00
15	256QAM	75	0	20.41	20.59	20.80	20.63	20.62	22.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.81	25.98	26.09	26.04	25.86	27.00

10	QPSK	1	25	25.73	25.87	25.88	25.87	25.64	27.00
10	QPSK	1	49	25.65	25.77	25.90	25.77	25.65	27.00
10	QPSK	25	0	24.65	24.69	24.97	24.88	24.64	26.00
10	QPSK	25	12	24.52	24.56	24.70	24.78	24.56	26.00
10	QPSK	25	25	24.47	24.60	24.65	24.56	24.60	26.00
10	QPSK	50	0	24.42	24.48	24.67	24.74	24.56	26.00
10	16QAM	1	0	24.90	24.97	25.04	25.06	24.93	26.00
10	16QAM	1	25	24.95	24.98	25.14	24.94	24.82	26.00
10	16QAM	1	49	24.66	24.75	24.90	24.87	24.76	26.00
10	16QAM	25	0	23.64	23.80	23.98	23.69	23.74	25.00
10	16QAM	25	12	23.69	23.68	23.86	23.87	23.58	25.00
10	16QAM	25	25	23.44	23.62	23.82	23.65	23.39	25.00
10	16QAM	50	0	23.39	23.56	23.73	23.71	23.59	25.00
10	64QAM	1	0	23.67	23.78	23.96	23.86	23.68	25.00
10	64QAM	1	25	23.58	23.57	23.80	23.71	23.60	25.00
10	64QAM	1	49	23.44	23.59	23.77	23.70	23.54	25.00
10	64QAM	25	0	22.59	22.69	22.91	22.73	22.70	24.00
10	64QAM	25	12	22.53	22.61	22.74	22.69	22.59	24.00
10	64QAM	25	25	22.47	22.67	22.75	22.80	22.61	24.00
10	64QAM	50	0	22.56	22.56	22.94	22.76	22.65	24.00
10	256QAM	1	0	20.35	20.45	20.72	20.62	20.51	22.00
10	256QAM	1	25	20.59	20.60	20.69	20.66	20.62	22.00
10	256QAM	1	49	20.50	20.65	20.73	20.73	20.45	22.00
10	256QAM	25	0	20.57	20.46	20.72	20.60	20.41	22.00
10	256QAM	25	12	20.35	20.52	20.67	20.50	20.50	22.00
10	256QAM	25	25	20.47	20.52	20.73	20.66	20.61	22.00
10	256QAM	50	0	20.43	20.60	20.74	20.55	20.57	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.79	25.99	26.02	26.08	25.89	27.00
5	QPSK	1	12	25.74	25.75	25.88	25.83	25.69	27.00
5	QPSK	1	24	25.64	25.76	25.84	25.74	25.57	27.00
5	QPSK	12	0	24.60	24.77	24.95	24.88	24.69	26.00
5	QPSK	12	7	24.46	24.58	24.66	24.74	24.64	26.00
5	QPSK	12	13	24.41	24.59	24.68	24.54	24.65	26.00
5	QPSK	25	0	24.31	24.46	24.77	24.68	24.62	26.00
5	16QAM	1	0	24.84	24.87	25.09	24.99	24.88	26.00
5	16QAM	1	12	24.92	24.94	25.11	25.00	24.81	26.00
5	16QAM	1	24	24.69	24.71	24.88	24.77	24.74	26.00
5	16QAM	12	0	23.72	23.75	23.92	23.69	23.66	25.00
5	16QAM	12	7	23.76	23.62	23.87	23.87	23.67	25.00
5	16QAM	12	13	23.52	23.66	23.76	23.64	23.38	25.00
5	16QAM	25	0	23.47	23.63	23.74	23.65	23.54	25.00
5	64QAM	1	0	23.72	23.81	23.96	23.93	23.73	25.00
5	64QAM	1	12	23.55	23.48	23.78	23.67	23.51	25.00
5	64QAM	1	24	23.52	23.59	23.77	23.68	23.53	25.00
5	64QAM	12	0	22.52	22.78	22.88	22.72	22.75	24.00
5	64QAM	12	7	22.49	22.70	22.75	22.64	22.49	24.00
5	64QAM	12	13	22.57	22.69	22.84	22.70	22.64	24.00
5	64QAM	25	0	22.61	22.58	22.83	22.81	22.59	24.00
5	256QAM	1	0	20.35	20.49	20.74	20.64	20.51	22.00
5	256QAM	1	12	20.57	20.58	20.76	20.63	20.55	22.00
5	256QAM	1	24	20.51	20.61	20.83	20.63	20.58	22.00
5	256QAM	12	0	20.50	20.51	20.69	20.58	20.52	22.00
5	256QAM	12	7	20.43	20.57	20.67	20.50	20.40	22.00
5	256QAM	12	13	20.48	20.63	20.69	20.63	20.64	22.00
5	256QAM	25	0	20.37	20.57	20.67	20.60	20.68	22.00



【LTE Band 41_FCC (2496~2690MHz)_Ant
8_DSI0】

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	24.28	24.38	24.47	24.45	24.35	25.10
20	QPSK	1	49	24.11	24.25	24.36	24.32	24.13	25.10
20	QPSK	1	99	24.07	24.16	24.32	24.25	24.09	25.10
20	QPSK	50	0	23.14	23.17	23.38	23.30	23.12	24.10
20	QPSK	50	24	22.94	23.04	23.21	23.12	23.08	24.10
20	QPSK	50	50	22.89	22.97	23.19	23.02	23.03	24.10
20	QPSK	100	0	22.85	22.94	23.15	23.09	22.98	24.10
20	16QAM	1	0	23.30	23.41	23.53	23.43	23.36	24.10
20	16QAM	1	49	23.29	23.37	23.51	23.45	23.30	24.10
20	16QAM	1	99	23.14	23.16	23.34	23.30	23.19	24.10
20	16QAM	50	0	22.16	22.22	22.35	22.19	22.14	23.10
20	16QAM	50	24	22.10	22.12	22.29	22.23	22.11	23.10
20	16QAM	50	50	21.98	22.04	22.17	22.09	21.91	23.10
20	16QAM	100	0	21.95	22.09	22.20	22.13	22.00	23.10
20	64QAM	1	0	22.15	22.20	22.42	22.35	22.17	23.10
20	64QAM	1	49	22.01	22.03	22.23	22.07	22.05	23.10
20	64QAM	1	99	21.90	22.08	22.21	22.13	22.07	23.10
20	64QAM	50	0	21.02	21.14	21.33	21.24	21.12	22.10
20	64QAM	50	24	21.01	21.10	21.21	21.18	21.03	22.10
20	64QAM	50	50	20.97	21.12	21.26	21.17	21.12	22.10
20	64QAM	100	0	21.05	21.06	21.28	21.19	21.12	22.10
20	256QAM	1	0	18.82	19.01	19.09	18.99	18.93	20.10
20	256QAM	1	49	19.02	18.98	19.20	19.07	19.07	20.10
20	256QAM	1	99	18.98	19.01	19.22	19.06	18.98	20.10
20	256QAM	50	0	18.96	18.95	19.14	19.04	18.90	20.10
20	256QAM	50	24	18.88	19.01	19.10	18.95	18.90	20.10
20	256QAM	50	50	19.04	19.10	19.20	19.05	18.99	20.10
20	256QAM	100	0	18.90	19.04	19.14	19.00	19.01	20.10
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	24.21	24.29	24.46	24.44	24.25	25.10
15	QPSK	1	37	24.02	24.10	24.33	24.30	24.12	25.10
15	QPSK	1	74	24.01	24.06	24.25	24.15	23.99	25.10
15	QPSK	36	0	23.04	23.12	23.26	23.21	23.10	24.10
15	QPSK	36	20	22.91	22.96	23.16	23.05	23.02	24.10
15	QPSK	36	39	22.81	22.93	23.06	23.01	23.01	24.10
15	QPSK	75	0	22.75	22.87	23.06	22.94	22.84	24.10
15	16QAM	1	0	23.19	23.27	23.42	23.39	23.33	24.10
15	16QAM	1	37	23.15	23.25	23.49	23.39	23.24	24.10
15	16QAM	1	74	23.05	23.14	23.28	23.25	23.08	24.10
15	16QAM	36	0	22.02	22.13	22.24	22.10	22.08	23.10
15	16QAM	36	20	22.02	22.03	22.16	22.21	22.08	23.10
15	16QAM	36	39	21.89	21.99	22.09	22.03	21.87	23.10
15	16QAM	75	0	21.80	21.96	22.08	21.99	21.85	23.10
15	64QAM	1	0	22.10	22.06	22.27	22.34	22.09	23.10
15	64QAM	1	37	21.89	21.94	22.13	21.98	21.98	23.10
15	64QAM	1	74	21.87	21.94	22.11	22.08	22.04	23.10
15	64QAM	36	0	20.97	21.12	21.19	21.22	21.08	22.10
15	64QAM	36	20	20.89	21.06	21.07	21.06	20.94	22.10
15	64QAM	36	39	20.84	21.02	21.13	21.06	21.04	22.10
15	64QAM	75	0	20.94	20.98	21.17	21.08	20.99	22.10
15	256QAM	1	0	18.69	18.93	19.05	18.90	18.92	20.10
15	256QAM	1	37	18.93	18.95	19.15	19.04	18.93	20.10
15	256QAM	1	74	18.84	18.87	19.16	18.96	18.91	20.10
15	256QAM	36	0	18.84	18.87	18.99	19.03	18.84	20.10
15	256QAM	36	20	18.86	18.88	19.05	18.92	18.89	20.10
15	256QAM	36	39	19.02	19.05	19.06	19.01	18.88	20.10
15	256QAM	75	0	18.83	18.91	19.10	18.97	18.86	20.10
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.14	24.33	24.37	24.32	24.20	25.10
10	QPSK	1	25	24.03	24.23	24.34	24.24	24.04	25.10
10	QPSK	1	49	23.97	24.03	24.19	24.13	23.94	25.10
10	QPSK	25	0	23.08	23.12	23.25	23.21	23.01	24.10
10	QPSK	25	12	22.84	22.98	23.07	23.01	23.04	24.10
10	QPSK	25	25	22.80	22.92	23.06	22.91	22.98	24.10
10	QPSK	50	0	22.76	22.90	23.08	22.94	22.88	24.10
10	16QAM	1	0	23.24	23.34	23.50	23.34	23.22	24.10



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10	16QAM	1	25	23.19	23.23	23.44	23.36	23.28	24.10
10	16QAM	1	49	23.01	23.04	23.23	23.22	23.09	24.10
10	16QAM	25	0	22.08	22.13	22.29	22.10	22.12	23.10
10	16QAM	25	12	22.09	22.11	22.22	22.17	21.98	23.10
10	16QAM	25	25	21.85	21.98	22.02	21.94	21.76	23.10
10	16QAM	50	0	21.84	22.05	22.06	22.11	21.90	23.10
10	64QAM	1	0	22.09	22.08	22.30	22.20	22.08	23.10
10	64QAM	1	25	21.86	21.92	22.10	21.97	21.95	23.10
10	64QAM	1	49	21.86	22.05	22.19	22.05	22.04	23.10
10	64QAM	25	0	20.98	20.99	21.28	21.15	21.04	22.10
10	64QAM	25	12	20.99	20.99	21.08	21.04	20.99	22.10
10	64QAM	25	25	20.96	21.05	21.18	21.07	21.08	22.10
10	64QAM	50	0	21.00	21.00	21.24	21.07	21.02	22.10
10	256QAM	1	0	18.77	18.91	18.95	18.88	18.78	20.10
10	256QAM	1	25	18.95	18.93	19.11	19.03	18.97	20.10
10	256QAM	1	49	18.86	18.88	19.08	18.93	18.87	20.10
10	256QAM	25	0	18.83	18.90	19.07	18.92	18.89	20.10
10	256QAM	25	12	18.84	18.95	19.02	18.88	18.84	20.10
10	256QAM	25	25	18.93	19.05	19.10	19.01	18.96	20.10
10	256QAM	50	0	18.84	18.98	19.09	18.93	18.96	20.10
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	24.24	24.27	24.42	24.40	24.26	25.10
5	QPSK	1	12	23.97	24.13	24.33	24.28	24.01	25.10
5	QPSK	1	24	23.99	24.10	24.27	24.17	24.04	25.10
5	QPSK	12	0	23.10	23.05	23.33	23.27	23.10	24.10
5	QPSK	12	7	22.82	22.92	23.14	23.00	22.99	24.10
5	QPSK	12	13	22.82	22.85	23.17	22.99	22.98	24.10
5	QPSK	25	0	22.75	22.83	23.12	23.04	22.93	24.10
5	16QAM	1	0	23.17	23.36	23.39	23.34	23.34	24.10
5	16QAM	1	12	23.16	23.34	23.50	23.41	23.22	24.10
5	16QAM	1	24	23.09	23.07	23.21	23.22	23.12	24.10
5	16QAM	12	0	22.01	22.15	22.26	22.12	22.10	23.10
5	16QAM	12	7	22.00	22.03	22.22	22.16	22.04	23.10
5	16QAM	12	13	21.94	22.01	22.10	22.05	21.84	23.10
5	16QAM	25	0	21.89	21.99	22.11	21.98	21.96	23.10
5	64QAM	1	0	22.11	22.09	22.29	22.29	22.07	23.10
5	64QAM	1	12	21.88	21.94	22.13	22.03	22.00	23.10
5	64QAM	1	24	21.77	21.99	22.12	22.06	22.04	23.10
5	64QAM	12	0	20.99	21.05	21.20	21.16	21.05	22.10
5	64QAM	12	7	20.97	20.96	21.08	21.11	20.89	22.10
5	64QAM	12	13	20.91	21.02	21.16	21.13	21.03	22.10
5	64QAM	25	0	20.91	20.98	21.27	21.10	21.10	22.10
5	256QAM	1	0	18.76	18.93	19.06	18.87	18.82	20.10
5	256QAM	1	12	18.98	18.90	19.09	19.01	18.94	20.10
5	256QAM	1	24	18.92	18.99	19.11	19.02	18.94	20.10
5	256QAM	12	0	18.94	18.85	19.13	19.01	18.84	20.10
5	256QAM	12	7	18.82	18.99	18.98	18.84	18.82	20.10
5	256QAM	12	13	18.94	18.95	19.19	18.91	18.88	20.10
5	256QAM	25	0	18.84	18.93	19.04	18.99	18.91	20.10

【LTE Band 41_FCC (2496~2690MHz)_Ant
8_DSI7】

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	20.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.91	18.98	19.01	18.87	18.86	20.30
20	QPSK	1	49	18.63	18.85	18.86	18.72	18.68	20.30
20	QPSK	1	99	18.76	18.84	18.96	18.74	18.76	20.30
20	QPSK	50	0	18.74	18.85	18.93	18.87	18.77	20.30
20	QPSK	50	24	18.74	18.65	18.86	18.67	18.63	20.30
20	QPSK	50	50	18.65	18.79	18.81	18.76	18.53	20.30
20	QPSK	100	0	18.58	18.61	18.73	18.63	18.51	20.30
20	16QAM	1	0	18.56	18.63	18.73	18.78	18.51	20.30
20	16QAM	1	49	18.59	18.75	18.71	18.78	18.45	20.30
20	16QAM	1	99	18.56	18.65	18.75	18.66	18.54	20.30
20	16QAM	50	0	18.52	18.76	18.75	18.69	18.48	20.30
20	16QAM	50	24	18.65	18.78	18.76	18.97	18.60	20.30
20	16QAM	50	50	18.60	18.90	18.74	18.77	18.51	20.30
20	16QAM	100	0	18.69	18.79	18.87	18.81	18.64	20.30
20	64QAM	1	0	18.60	18.76	18.83	18.90	18.62	20.30
20	64QAM	1	49	18.48	18.75	18.71	18.83	18.43	20.30
20	64QAM	1	99	18.64	18.78	18.86	18.88	18.68	20.30
20	64QAM	50	0	18.67	18.89	18.88	18.83	18.64	20.30
20	64QAM	50	24	18.66	18.68	18.77	18.80	18.54	20.30
20	64QAM	50	50	18.70	18.73	18.94	18.96	18.76	20.30
20	64QAM	100	0	18.70	18.88	18.81	18.89	18.57	20.30
20	256QAM	1	0	18.79	18.84	18.93	18.79	18.71	20.30
20	256QAM	1	49	18.82	18.64	18.98	18.73	18.80	20.30
20	256QAM	1	99	18.61	18.79	18.84	18.89	18.58	20.30
20	256QAM	50	0	18.78	18.84	18.99	18.83	18.69	20.30
20	256QAM	50	24	18.59	18.76	18.77	18.77	18.57	20.30
20	256QAM	50	50	18.66	18.73	18.78	18.79	18.54	20.30
20	256QAM	100	0	18.78	18.75	18.93	18.89	18.73	20.30
Channel				39725	40173	40620	41068	41515	20.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.79	18.84	18.95	18.78	18.85	20.30
15	QPSK	1	37	18.58	18.72	18.84	18.69	18.66	20.30
15	QPSK	1	74	18.65	18.71	18.91	18.65	18.72	20.30
15	QPSK	36	0	18.61	18.76	18.81	18.83	18.74	20.30
15	QPSK	36	20	18.72	18.57	18.76	18.60	18.51	20.30
15	QPSK	36	39	18.58	18.68	18.71	18.64	18.41	20.30
15	QPSK	75	0	18.45	18.55	18.59	18.49	18.40	20.30
15	16QAM	1	0	18.54	18.56	18.69	18.63	18.41	20.30
15	16QAM	1	37	18.58	18.69	18.69	18.76	18.33	20.30
15	16QAM	1	74	18.51	18.57	18.62	18.59	18.43	20.30
15	16QAM	36	0	18.40	18.65	18.66	18.63	18.34	20.30
15	16QAM	36	20	18.60	18.69	18.64	18.82	18.57	20.30
15	16QAM	36	39	18.56	18.82	18.65	18.67	18.45	20.30
15	16QAM	75	0	18.58	18.71	18.76	18.67	18.56	20.30
15	64QAM	1	0	18.46	18.62	18.71	18.76	18.48	20.30
15	64QAM	1	37	18.33	18.70	18.58	18.74	18.30	20.30
15	64QAM	1	74	18.50	18.68	18.83	18.85	18.56	20.30
15	64QAM	36	0	18.56	18.85	18.81	18.73	18.56	20.30
15	64QAM	36	20	18.60	18.66	18.70	18.78	18.50	20.30
15	64QAM	36	39	18.65	18.60	18.83	18.85	18.63	20.30
15	64QAM	75	0	18.69	18.74	18.76	18.81	18.46	20.30
15	256QAM	1	0	18.77	18.82	18.83	18.72	18.69	20.30
15	256QAM	1	37	18.77	18.61	18.84	18.72	18.74	20.30
15	256QAM	1	74	18.49	18.70	18.78	18.82	18.50	20.30
15	256QAM	36	0	18.68	18.76	18.93	18.79	18.61	20.30
15	256QAM	36	20	18.55	18.72	18.67	18.67	18.45	20.30
15	256QAM	36	39	18.56	18.62	18.77	18.67	18.50	20.30
15	256QAM	75	0	18.64	18.68	18.82	18.78	18.60	20.30
Channel				39700	40160	40620	41080	41540	20.30
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.78	18.95	18.95	18.85	18.82	20.30
10	QPSK	1	25	18.59	18.80	18.77	18.60	18.60	20.30
10	QPSK	1	49	18.71	18.76	18.84	18.63	18.72	20.30
10	QPSK	25	0	18.65	18.73	18.79	18.78	18.69	20.30
10	QPSK	25	12	18.71	18.53	18.76	18.57	18.59	20.30
10	QPSK	25	25	18.55	18.72	18.76	18.64	18.48	20.30
10	QPSK	50	0	18.55	18.47	18.71	18.54	18.38	20.30
10	16QAM	1	0	18.41	18.53	18.63	18.73	18.49	20.30



10	16QAM	1	25	18.46	18.67	18.57	18.69	18.30	20.30
10	16QAM	1	49	18.43	18.59	18.63	18.63	18.50	20.30
10	16QAM	25	0	18.48	18.68	18.65	18.64	18.44	20.30
10	16QAM	25	12	18.59	18.65	18.67	18.94	18.52	20.30
10	16QAM	25	25	18.52	18.88	18.71	18.73	18.46	20.30
10	16QAM	50	0	18.57	18.67	18.83	18.77	18.51	20.30
10	64QAM	1	0	18.53	18.70	18.69	18.85	18.52	20.30
10	64QAM	1	25	18.35	18.67	18.69	18.78	18.39	20.30
10	64QAM	1	49	18.54	18.64	18.78	18.80	18.53	20.30
10	64QAM	25	0	18.55	18.75	18.78	18.82	18.57	20.30
10	64QAM	25	12	18.54	18.59	18.68	18.76	18.45	20.30
10	64QAM	25	25	18.63	18.58	18.87	18.85	18.63	20.30
10	64QAM	50	0	18.62	18.73	18.76	18.88	18.49	20.30
10	256QAM	1	0	18.69	18.71	18.89	18.78	18.63	20.30
10	256QAM	1	25	18.78	18.56	18.85	18.67	18.73	20.30
10	256QAM	1	49	18.55	18.71	18.73	18.86	18.45	20.30
10	256QAM	25	0	18.69	18.80	18.85	18.76	18.64	20.30
10	256QAM	25	12	18.54	18.66	18.73	18.69	18.42	20.30
10	256QAM	25	25	18.56	18.66	18.67	18.77	18.42	20.30
10	256QAM	50	0	18.72	18.66	18.78	18.79	18.72	20.30
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	18.89	18.89	18.98	18.73	18.75	20.30
5	QPSK	1	12	18.49	18.77	18.82	18.57	18.62	20.30
5	QPSK	1	24	18.75	18.81	18.92	18.70	18.68	20.30
5	QPSK	12	0	18.63	18.82	18.85	18.78	18.76	20.30
5	QPSK	12	7	18.66	18.64	18.83	18.64	18.49	20.30
5	QPSK	12	13	18.56	18.68	18.70	18.66	18.46	20.30
5	QPSK	25	0	18.49	18.49	18.64	18.49	18.48	20.30
5	16QAM	1	0	18.51	18.61	18.72	18.75	18.38	20.30
5	16QAM	1	12	18.45	18.60	18.62	18.72	18.32	20.30
5	16QAM	1	24	18.41	18.54	18.60	18.62	18.40	20.30
5	16QAM	12	0	18.46	18.74	18.72	18.57	18.35	20.30
5	16QAM	12	7	18.53	18.66	18.73	18.89	18.58	20.30
5	16QAM	12	13	18.57	18.76	18.70	18.69	18.42	20.30
5	16QAM	25	0	18.63	18.71	18.76	18.72	18.52	20.30
5	64QAM	1	0	18.50	18.71	18.76	18.87	18.60	20.30
5	64QAM	1	12	18.39	18.61	18.67	18.80	18.39	20.30
5	64QAM	1	24	18.54	18.76	18.84	18.77	18.61	20.30
5	64QAM	12	0	18.60	18.79	18.84	18.71	18.50	20.30
5	64QAM	12	7	18.62	18.56	18.65	18.71	18.51	20.30
5	64QAM	12	13	18.65	18.61	18.84	18.88	18.74	20.30
5	64QAM	25	0	18.64	18.78	18.79	18.78	18.43	20.30
5	256QAM	1	0	18.76	18.82	18.88	18.75	18.57	20.30
5	256QAM	1	12	18.77	18.54	18.92	18.60	18.72	20.30
5	256QAM	1	24	18.60	18.67	18.73	18.76	18.44	20.30
5	256QAM	12	0	18.68	18.72	18.86	18.75	18.59	20.30
5	256QAM	12	7	18.47	18.67	18.74	18.63	18.51	20.30
5	256QAM	12	13	18.65	18.61	18.70	18.67	18.47	20.30
5	256QAM	25	0	18.71	18.65	18.80	18.80	18.63	20.30

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 8_DSI0】

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	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.88	26.05	26.10	26.10	25.96	27.00
20	QPSK	1	49	25.78	25.89	25.99	25.94	25.79	27.00
20	QPSK	1	99	25.76	25.80	25.92	25.84	25.71	27.00
20	QPSK	50	0	24.72	24.79	25.01	24.92	24.73	26.00
20	QPSK	50	24	24.60	24.70	24.80	24.80	24.66	26.00
20	QPSK	50	50	24.50	24.63	24.77	24.60	24.66	26.00
20	QPSK	100	0	24.43	24.56	24.78	24.78	24.63	26.00
20	16QAM	1	0	24.97	25.00	25.10	25.09	24.94	26.00
20	16QAM	1	49	24.97	25.00	25.16	25.05	24.88	26.00
20	16QAM	1	99	24.73	24.79	25.01	24.91	24.85	26.00
20	16QAM	50	0	23.78	23.86	24.02	23.78	23.80	25.00
20	16QAM	50	24	23.78	23.74	23.93	23.91	23.69	25.00
20	16QAM	50	50	23.59	23.73	23.83	23.68	23.49	25.00
20	16QAM	100	0	23.53	23.70	23.85	23.72	23.61	25.00
20	64QAM	1	0	23.81	23.88	24.06	23.98	23.83	25.00
20	64QAM	1	49	23.70	23.61	23.84	23.76	23.66	25.00
20	64QAM	1	99	23.58	23.66	23.80	23.72	23.65	25.00
20	64QAM	50	0	22.64	22.79	22.93	22.82	22.78	24.00
20	64QAM	50	24	22.61	22.72	22.86	22.77	22.63	24.00
20	64QAM	50	50	22.58	22.71	22.89	22.82	22.74	24.00
20	64QAM	100	0	22.69	22.65	22.96	22.86	22.73	24.00
20	256QAM	1	0	20.47	20.60	20.76	20.67	20.59	22.00
20	256QAM	1	49	20.63	20.63	20.78	20.73	20.67	22.00
20	256QAM	1	99	20.62	20.69	20.84	20.75	20.60	22.00
20	256QAM	50	0	20.64	20.57	20.83	20.72	20.54	22.00
20	256QAM	50	24	20.45	20.64	20.69	20.59	20.52	22.00
20	256QAM	50	50	20.62	20.67	20.79	20.73	20.66	22.00
20	256QAM	100	0	20.50	20.65	20.81	20.68	20.69	22.00
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.80	25.93	26.05	26.08	25.86	27.00
15	QPSK	1	37	25.72	25.88	25.90	25.81	25.66	27.00
15	QPSK	1	74	25.74	25.69	25.82	25.81	25.68	27.00
15	QPSK	36	0	24.69	24.76	24.94	24.78	24.58	26.00
15	QPSK	36	20	24.45	24.59	24.72	24.69	24.52	26.00
15	QPSK	36	39	24.37	24.54	24.63	24.52	24.64	26.00
15	QPSK	75	0	24.42	24.48	24.71	24.74	24.51	26.00
15	16QAM	1	0	24.94	24.92	25.02	24.97	24.89	26.00
15	16QAM	1	37	24.85	24.91	25.02	24.96	24.84	26.00
15	16QAM	1	74	24.59	24.75	24.89	24.82	24.77	26.00
15	16QAM	36	0	23.63	23.85	23.92	23.76	23.70	25.00
15	16QAM	36	20	23.67	23.68	23.79	23.90	23.55	25.00
15	16QAM	36	39	23.45	23.71	23.79	23.56	23.34	25.00
15	16QAM	75	0	23.44	23.64	23.78	23.65	23.59	25.00
15	64QAM	1	0	23.77	23.87	23.93	23.91	23.80	25.00
15	64QAM	1	37	23.61	23.51	23.72	23.66	23.64	25.00
15	64QAM	1	74	23.50	23.52	23.79	23.58	23.52	25.00
15	64QAM	36	0	22.52	22.71	22.87	22.79	22.68	24.00
15	64QAM	36	20	22.55	22.60	22.74	22.72	22.60	24.00
15	64QAM	36	39	22.44	22.58	22.83	22.77	22.60	24.00
15	64QAM	75	0	22.62	22.60	22.86	22.74	22.70	24.00
15	256QAM	1	0	20.37	20.54	20.74	20.56	20.50	22.00
15	256QAM	1	37	20.62	20.59	20.69	20.61	20.62	22.00
15	256QAM	1	74	20.54	20.68	20.79	20.69	20.51	22.00
15	256QAM	36	0	20.59	20.49	20.82	20.58	20.52	22.00
15	256QAM	36	20	20.38	20.52	20.64	20.54	20.43	22.00
15	256QAM	36	39	20.53	20.59	20.70	20.68	20.63	22.00
15	256QAM	75	0	20.41	20.59	20.80	20.63	20.62	22.00
Channel				39700	40160	40620	41080	41540	27.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.81	25.98	26.09	26.04	25.86	27.00
10	QPSK	1	25	25.73	25.87	25.88	25.87	25.64	27.00
10	QPSK	1	49	25.65	25.77	25.90	25.77	25.65	27.00
10	QPSK	25	0	24.65	24.69	24.97	24.88	24.64	26.00
10	QPSK	25	12	24.52	24.56	24.70	24.78	24.56	26.00
10	QPSK	25	25	24.47	24.60	24.65	24.56	24.60	26.00
10	QPSK	50	0	24.42	24.48	24.67	24.74	24.56	26.00
10	16QAM	1	0	24.90	24.97	25.04	25.06	24.93	26.00



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10	16QAM	1	25	24.95	24.98	25.14	24.94	24.82	26.00
10	16QAM	1	49	24.66	24.75	24.90	24.87	24.76	26.00
10	16QAM	25	0	23.64	23.80	23.98	23.69	23.74	25.00
10	16QAM	25	12	23.69	23.68	23.86	23.87	23.58	25.00
10	16QAM	25	25	23.44	23.62	23.82	23.65	23.39	25.00
10	16QAM	50	0	23.39	23.56	23.73	23.71	23.59	25.00
10	64QAM	1	0	23.67	23.78	23.96	23.86	23.68	25.00
10	64QAM	1	25	23.58	23.57	23.80	23.71	23.60	25.00
10	64QAM	1	49	23.44	23.59	23.77	23.70	23.54	25.00
10	64QAM	25	0	22.59	22.69	22.91	22.73	22.70	24.00
10	64QAM	25	12	22.53	22.61	22.74	22.69	22.59	24.00
10	64QAM	25	25	22.47	22.67	22.75	22.80	22.61	24.00
10	64QAM	50	0	22.56	22.56	22.94	22.76	22.65	24.00
10	256QAM	1	0	20.35	20.45	20.72	20.62	20.51	22.00
10	256QAM	1	25	20.59	20.60	20.69	20.66	20.62	22.00
10	256QAM	1	49	20.50	20.65	20.73	20.73	20.45	22.00
10	256QAM	25	0	20.57	20.46	20.72	20.60	20.41	22.00
10	256QAM	25	12	20.35	20.52	20.67	20.50	20.50	22.00
10	256QAM	25	25	20.47	20.52	20.73	20.66	20.61	22.00
10	256QAM	50	0	20.43	20.60	20.74	20.55	20.57	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.79	25.99	26.02	26.08	25.89	27.00
5	QPSK	1	12	25.74	25.75	25.88	25.83	25.69	27.00
5	QPSK	1	24	25.64	25.76	25.84	25.74	25.57	27.00
5	QPSK	12	0	24.60	24.77	24.95	24.88	24.69	26.00
5	QPSK	12	7	24.46	24.58	24.66	24.74	24.64	26.00
5	QPSK	12	13	24.41	24.59	24.68	24.54	24.65	26.00
5	QPSK	25	0	24.31	24.46	24.77	24.68	24.62	26.00
5	16QAM	1	0	24.84	24.87	25.09	24.99	24.88	26.00
5	16QAM	1	12	24.92	24.94	25.11	25.00	24.81	26.00
5	16QAM	1	24	24.69	24.71	24.88	24.77	24.74	26.00
5	16QAM	12	0	23.72	23.75	23.92	23.69	23.66	25.00
5	16QAM	12	7	23.76	23.62	23.87	23.87	23.67	25.00
5	16QAM	12	13	23.52	23.66	23.76	23.64	23.38	25.00
5	16QAM	25	0	23.47	23.63	23.74	23.65	23.54	25.00
5	64QAM	1	0	23.72	23.81	23.96	23.93	23.73	25.00
5	64QAM	1	12	23.55	23.48	23.78	23.67	23.51	25.00
5	64QAM	1	24	23.52	23.59	23.77	23.68	23.53	25.00
5	64QAM	12	0	22.52	22.78	22.88	22.72	22.75	24.00
5	64QAM	12	7	22.49	22.70	22.75	22.64	22.49	24.00
5	64QAM	12	13	22.57	22.69	22.84	22.70	22.64	24.00
5	64QAM	25	0	22.61	22.58	22.83	22.81	22.59	24.00
5	256QAM	1	0	20.35	20.49	20.74	20.64	20.51	22.00
5	256QAM	1	12	20.57	20.58	20.76	20.63	20.55	22.00
5	256QAM	1	24	20.51	20.61	20.83	20.63	20.58	22.00
5	256QAM	12	0	20.50	20.51	20.69	20.58	20.52	22.00
5	256QAM	12	7	20.43	20.57	20.67	20.50	20.40	22.00
5	256QAM	12	13	20.48	20.63	20.69	20.63	20.64	22.00
5	256QAM	25	0	20.37	20.57	20.67	20.60	20.68	22.00



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 8_DSI7】

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	21.90
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.53	20.60	20.67	20.46	20.53	21.90
20	QPSK	1	49	20.36	20.47	20.55	20.31	20.36	21.90
20	QPSK	1	99	20.49	20.45	20.64	20.38	20.39	21.90
20	QPSK	50	0	20.28	20.50	20.54	20.56	20.40	21.90
20	QPSK	50	24	20.21	20.27	20.46	20.35	20.26	21.90
20	QPSK	50	50	20.13	20.42	20.39	20.33	20.14	21.90
20	QPSK	100	0	20.04	20.21	20.30	20.23	20.20	21.90
20	16QAM	1	0	20.20	20.24	20.35	20.36	20.19	21.90
20	16QAM	1	49	20.21	20.33	20.37	20.43	20.12	21.90
20	16QAM	1	99	20.22	20.22	20.41	20.24	20.22	21.90
20	16QAM	50	0	20.09	20.36	20.32	20.29	20.09	21.90
20	16QAM	50	24	20.12	20.40	20.34	20.60	20.17	21.90
20	16QAM	50	50	20.22	20.49	20.39	20.40	20.13	21.90
20	16QAM	100	0	20.24	20.42	20.49	20.45	20.29	21.90
20	64QAM	1	0	20.22	20.36	20.43	20.51	20.24	21.90
20	64QAM	1	49	20.22	20.39	20.38	20.50	20.09	21.90
20	64QAM	1	99	20.25	20.43	20.52	20.49	20.30	21.90
20	64QAM	50	0	20.32	20.57	20.56	20.51	20.25	21.90
20	64QAM	50	24	20.15	20.35	20.41	20.44	20.19	21.90
20	64QAM	50	50	20.30	20.31	20.54	20.53	20.36	21.90
20	64QAM	100	0	20.17	20.45	20.40	20.51	20.18	21.90
20	256QAM	1	0	20.28	20.52	20.55	20.38	20.30	21.90
20	256QAM	1	49	20.47	20.25	20.65	20.42	20.39	21.90
20	256QAM	1	99	20.34	20.44	20.49	20.49	20.23	21.90
20	256QAM	50	0	20.44	20.42	20.60	20.43	20.36	21.90
20	256QAM	50	24	20.17	20.34	20.44	20.44	20.26	21.90
20	256QAM	50	50	20.26	20.34	20.43	20.38	20.22	21.90
20	256QAM	100	0	20.37	20.38	20.60	20.52	20.41	21.90
Channel				39725	40173	40620	41068	41515	21.90
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.50	20.55	20.56	20.40	20.45	21.90
15	QPSK	1	37	20.22	20.42	20.54	20.24	20.31	21.90
15	QPSK	1	74	20.39	20.39	20.63	20.35	20.35	21.90
15	QPSK	36	0	20.13	20.38	20.40	20.41	20.36	21.90
15	QPSK	36	20	20.14	20.14	20.31	20.25	20.16	21.90
15	QPSK	36	39	20.06	20.38	20.25	20.24	20.01	21.90
15	QPSK	75	0	20.00	20.07	20.16	20.09	20.08	21.90
15	16QAM	1	0	20.08	20.23	20.21	20.22	20.10	21.90
15	16QAM	1	37	20.17	20.26	20.29	20.28	20.09	21.90
15	16QAM	1	74	20.13	20.13	20.26	20.12	20.17	21.90
15	16QAM	36	0	19.94	20.22	20.27	20.16	19.95	21.90
15	16QAM	36	20	20.08	20.29	20.21	20.58	20.14	21.90
15	16QAM	36	39	20.13	20.46	20.34	20.26	20.04	21.90
15	16QAM	75	0	20.19	20.35	20.37	20.43	20.22	21.90
15	64QAM	1	0	20.16	20.30	20.35	20.37	20.12	21.90
15	64QAM	1	37	20.11	20.37	20.24	20.46	20.07	21.90
15	64QAM	1	74	20.12	20.32	20.39	20.44	20.25	21.90
15	64QAM	36	0	20.29	20.55	20.52	20.40	20.15	21.90
15	64QAM	36	20	20.09	20.23	20.37	20.38	20.07	21.90
15	64QAM	36	39	20.22	20.28	20.44	20.40	20.22	21.90
15	64QAM	75	0	20.04	20.41	20.33	20.37	20.07	21.90
15	256QAM	1	0	20.23	20.39	20.46	20.30	20.22	21.90
15	256QAM	1	37	20.35	20.19	20.54	20.39	20.34	21.90
15	256QAM	1	74	20.29	20.32	20.41	20.47	20.18	21.90
15	256QAM	36	0	20.32	20.33	20.55	20.34	20.26	21.90
15	256QAM	36	20	20.15	20.30	20.30	20.42	20.14	21.90
15	256QAM	36	39	20.19	20.25	20.30	20.25	20.12	21.90
15	256QAM	75	0	20.35	20.29	20.52	20.44	20.35	21.90
Channel				39700	40160	40620	41080	41540	21.90
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.50	20.53	20.65	20.44	20.39	21.90
10	QPSK	1	25	20.22	20.44	20.44	20.23	20.23	21.90
10	QPSK	1	49	20.35	20.43	20.58	20.32	20.24	21.90
10	QPSK	25	0	20.18	20.48	20.53	20.55	20.28	21.90
10	QPSK	25	12	20.08	20.24	20.39	20.29	20.23	21.90
10	QPSK	25	25	20.01	20.32	20.32	20.25	20.13	21.90
10	QPSK	50	0	20.00	20.20	20.21	20.19	20.17	21.90
10	16QAM	1	0	20.11	20.15	20.25	20.35	20.13	21.90



10	16QAM	1	25	20.16	20.31	20.24	20.31	20.03	21.90
10	16QAM	1	49	20.14	20.10	20.32	20.17	20.12	21.90
10	16QAM	25	0	20.02	20.27	20.18	20.23	19.96	21.90
10	16QAM	25	12	20.01	20.37	20.30	20.56	20.02	21.90
10	16QAM	25	25	20.20	20.40	20.28	20.38	20.09	21.90
10	16QAM	50	0	20.21	20.27	20.44	20.38	20.27	21.90
10	64QAM	1	0	20.13	20.29	20.34	20.49	20.13	21.90
10	64QAM	1	25	20.07	20.28	20.25	20.47	20.02	21.90
10	64QAM	1	49	20.17	20.39	20.45	20.41	20.22	21.90
10	64QAM	25	0	20.20	20.51	20.46	20.42	20.23	21.90
10	64QAM	25	12	20.02	20.32	20.38	20.32	20.08	21.90
10	64QAM	25	25	20.15	20.30	20.52	20.49	20.22	21.90
10	64QAM	50	0	20.10	20.40	20.32	20.45	20.13	21.90
10	256QAM	1	0	20.24	20.47	20.50	20.23	20.17	21.90
10	256QAM	1	25	20.41	20.20	20.64	20.40	20.27	21.90
10	256QAM	1	49	20.25	20.40	20.42	20.43	20.18	21.90
10	256QAM	25	0	20.40	20.40	20.51	20.32	20.22	21.90
10	256QAM	25	12	20.14	20.20	20.39	20.30	20.25	21.90
10	256QAM	25	25	20.23	20.30	20.36	20.33	20.13	21.90
10	256QAM	50	0	20.24	20.33	20.55	20.48	20.28	21.90
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	20.48	20.52	20.64	20.35	20.39	21.90
5	QPSK	1	12	20.21	20.38	20.48	20.27	20.26	21.90
5	QPSK	1	24	20.35	20.42	20.63	20.23	20.32	21.90
5	QPSK	12	0	20.25	20.43	20.41	20.52	20.37	21.90
5	QPSK	12	7	20.15	20.17	20.41	20.28	20.21	21.90
5	QPSK	12	13	20.02	20.36	20.24	20.30	20.07	21.90
5	QPSK	25	0	19.99	20.11	20.27	20.11	20.12	21.90
5	16QAM	1	0	20.12	20.12	20.24	20.22	20.16	21.90
5	16QAM	1	12	20.07	20.29	20.23	20.31	20.07	21.90
5	16QAM	1	24	20.20	20.10	20.32	20.15	20.16	21.90
5	16QAM	12	0	19.95	20.32	20.29	20.24	20.08	21.90
5	16QAM	12	7	19.99	20.25	20.20	20.46	20.06	21.90
5	16QAM	12	13	20.15	20.36	20.26	20.33	20.09	21.90
5	16QAM	25	0	20.18	20.37	20.46	20.33	20.18	21.90
5	64QAM	1	0	20.11	20.30	20.30	20.47	20.10	21.90
5	64QAM	1	12	20.17	20.30	20.25	20.39	19.96	21.90
5	64QAM	1	24	20.11	20.36	20.39	20.34	20.21	21.90
5	64QAM	12	0	20.25	20.55	20.45	20.40	20.19	21.90
5	64QAM	12	7	20.09	20.24	20.39	20.33	20.12	21.90
5	64QAM	12	13	20.26	20.18	20.44	20.46	20.27	21.90
5	64QAM	25	0	20.03	20.37	20.36	20.41	20.08	21.90
5	256QAM	1	0	20.21	20.39	20.42	20.26	20.24	21.90
5	256QAM	1	12	20.40	20.23	20.61	20.36	20.27	21.90
5	256QAM	1	24	20.23	20.39	20.41	20.41	20.21	21.90
5	256QAM	12	0	20.29	20.36	20.55	20.28	20.35	21.90
5	256QAM	12	7	20.14	20.23	20.34	20.41	20.21	21.90
5	256QAM	12	13	20.22	20.21	20.38	20.29	20.10	21.90
5	256QAM	25	0	20.33	20.32	20.48	20.42	20.39	21.90



【LTE Band 48_FCC_Part 96_IC_RSS-192
(3550~3700MHz)_Ant 8_Full power】

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				55340	55830	55990	56150	56640	22.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.07	20.08	20.14	20.11	20.06	22.00
20	QPSK	1	49	20.01	20.07	20.07	20.10	20.02	22.00
20	QPSK	1	99	20.03	20.06	20.10	20.10	20.10	22.00
20	QPSK	50	0	19.11	19.21	19.35	19.15	19.22	21.00
20	QPSK	50	24	19.06	19.12	19.35	19.08	19.10	21.00
20	QPSK	50	50	19.01	19.15	19.17	19.00	19.20	21.00
20	QPSK	100	0	19.19	19.07	19.19	19.32	19.08	21.00
20	16QAM	1	0	19.40	19.34	19.45	19.40	19.42	21.00
20	16QAM	1	49	19.25	19.13	19.19	19.13	19.17	21.00
20	16QAM	1	99	19.15	19.20	19.19	19.26	19.33	21.00
20	16QAM	50	0	18.39	18.40	18.42	18.49	18.37	20.00
20	16QAM	50	24	18.49	18.40	18.37	18.58	18.39	20.00
20	16QAM	50	50	18.31	18.35	18.25	18.36	18.22	20.00
20	16QAM	100	0	18.43	18.42	18.34	18.40	18.42	20.00
20	64QAM	1	0	18.31	18.33	18.33	18.30	18.39	20.00
20	64QAM	1	49	18.20	18.27	18.18	18.20	18.22	20.00
20	64QAM	1	99	18.19	18.26	18.32	18.19	18.29	20.00
20	64QAM	50	0	18.14	18.13	18.28	18.32	18.03	20.00
20	64QAM	50	24	18.20	18.06	18.09	18.08	18.22	20.00
20	64QAM	50	50	18.12	18.07	18.22	18.08	18.14	20.00
20	64QAM	100	0	18.15	18.01	18.19	18.18	18.25	20.00
20	256QAM	1	0	18.21	18.08	18.22	18.15	18.25	20.00
20	256QAM	1	49	18.20	18.11	18.19	18.12	18.18	20.00
20	256QAM	1	99	18.24	18.26	18.11	18.25	18.29	20.00
20	256QAM	50	0	19.06	18.96	19.10	19.06	19.07	20.00
20	256QAM	50	24	19.13	19.01	19.02	19.04	19.09	20.00
20	256QAM	50	50	19.06	19.13	19.05	19.07	19.04	20.00
20	256QAM	100	0	18.13	18.15	18.18	18.20	18.11	20.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.04	20.01	20.06	20.00	20.01	22.00
15	QPSK	1	37	20.00	20.00	20.00	20.07	20.00	22.00
15	QPSK	1	74	20.00	20.04	20.00	20.02	20.01	22.00
15	QPSK	36	0	19.09	19.14	19.25	19.01	19.15	21.00
15	QPSK	36	20	19.01	19.02	19.28	19.00	19.00	21.00
15	QPSK	36	39	19.02	19.07	19.14	19.01	19.14	21.00
15	QPSK	75	0	19.06	19.00	19.15	19.29	19.02	21.00
15	16QAM	1	0	19.34	19.25	19.42	19.31	19.28	21.00
15	16QAM	1	37	19.23	19.00	19.18	19.01	19.12	21.00
15	16QAM	1	74	19.00	19.12	19.10	19.22	19.19	21.00
15	16QAM	36	0	18.37	18.33	18.33	18.36	18.34	20.00
15	16QAM	36	20	18.45	18.39	18.29	18.55	18.32	20.00
15	16QAM	36	39	18.24	18.24	18.15	18.34	18.16	20.00
15	16QAM	75	0	18.35	18.29	18.31	18.34	18.33	20.00
15	64QAM	1	0	18.29	18.24	18.23	18.19	18.24	20.00
15	64QAM	1	37	18.10	18.22	18.03	18.14	18.13	20.00
15	64QAM	1	74	18.05	18.15	18.17	18.14	18.15	20.00
15	64QAM	36	0	18.13	18.02	18.23	18.22	18.02	20.00
15	64QAM	36	20	18.07	18.03	18.03	18.00	18.14	20.00
15	64QAM	36	39	18.09	18.05	18.10	18.02	18.09	20.00
15	64QAM	75	0	18.11	18.00	18.17	18.09	18.20	20.00
15	256QAM	1	0	18.15	18.04	18.19	18.13	18.13	20.00
15	256QAM	1	37	18.09	18.07	18.06	18.03	18.17	20.00
15	256QAM	1	74	18.15	18.18	18.00	18.16	18.22	20.00
15	256QAM	36	0	19.03	18.90	19.05	18.95	19.04	20.00
15	256QAM	36	20	19.10	18.99	18.98	19.00	19.01	20.00
15	256QAM	36	39	18.92	19.07	18.93	18.93	18.97	20.00
15	256QAM	75	0	18.09	18.07	18.12	18.09	18.05	20.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.01	20.01	20.04	20.05	20.00	22.00
10	QPSK	1	25	20.01	20.00	20.00	20.07	20.01	22.00
10	QPSK	1	49	20.01	20.05	20.07	20.03	20.09	22.00
10	QPSK	25	0	19.07	19.07	19.24	19.03	19.21	21.00
10	QPSK	25	12	19.00	19.10	19.23	19.06	19.02	21.00
10	QPSK	25	25	19.02	19.08	19.04	19.02	19.09	21.00
10	QPSK	50	0	19.12	19.05	19.15	19.27	19.02	21.00
10	16QAM	1	0	19.33	19.20	19.40	19.36	19.33	21.00



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10	16QAM	1	25	19.22	19.11	19.12	19.09	19.05	21.00
10	16QAM	1	49	19.02	19.09	19.08	19.12	19.26	21.00
10	16QAM	25	0	18.29	18.26	18.38	18.41	18.29	20.00
10	16QAM	25	12	18.47	18.35	18.31	18.51	18.34	20.00
10	16QAM	25	25	18.22	18.33	18.15	18.26	18.10	20.00
10	16QAM	50	0	18.30	18.27	18.31	18.38	18.38	20.00
10	64QAM	1	0	18.28	18.18	18.25	18.16	18.34	20.00
10	64QAM	1	25	18.12	18.16	18.15	18.06	18.18	20.00
10	64QAM	1	49	18.08	18.19	18.19	18.11	18.19	20.00
10	64QAM	25	0	18.04	18.00	18.21	18.22	18.00	20.00
10	64QAM	25	12	18.13	18.00	18.01	18.01	18.19	20.00
10	64QAM	25	25	18.10	18.01	18.07	18.02	18.02	20.00
10	64QAM	50	0	18.11	18.01	18.11	18.07	18.19	20.00
10	256QAM	1	0	18.11	18.02	18.08	18.08	18.21	20.00
10	256QAM	1	25	18.11	18.08	18.16	18.00	18.13	20.00
10	256QAM	1	49	18.12	18.14	18.04	18.23	18.21	20.00
10	256QAM	25	0	18.92	18.91	19.08	18.99	19.00	20.00
10	256QAM	25	12	19.11	19.00	18.91	18.90	19.00	20.00
10	256QAM	25	25	18.92	19.07	18.93	18.92	19.02	20.00
10	256QAM	50	0	18.07	18.04	18.14	18.06	18.01	20.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	20.01	20.09	20.04	20.01	22.00
5	QPSK	1	12	20.00	20.04	20.02	20.01	20.01	22.00
5	QPSK	1	24	20.01	20.00	20.00	20.07	20.02	22.00
5	QPSK	12	0	19.05	19.13	19.32	19.03	19.14	21.00
5	QPSK	12	7	19.02	19.10	19.21	19.06	19.00	21.00
5	QPSK	12	13	19.01	19.07	19.15	19.00	19.14	21.00
5	QPSK	25	0	19.10	19.00	19.18	19.23	19.02	21.00
5	16QAM	1	0	19.29	19.31	19.44	19.38	19.34	21.00
5	16QAM	1	12	19.18	19.03	19.09	19.08	19.15	21.00
5	16QAM	1	24	19.14	19.10	19.18	19.12	19.20	21.00
5	16QAM	12	0	18.34	18.32	18.31	18.47	18.35	20.00
5	16QAM	12	7	18.43	18.38	18.34	18.49	18.30	20.00
5	16QAM	12	13	18.17	18.24	18.23	18.30	18.17	20.00
5	16QAM	25	0	18.28	18.41	18.24	18.39	18.30	20.00
5	64QAM	1	0	18.23	18.19	18.25	18.27	18.32	20.00
5	64QAM	1	12	18.07	18.22	18.09	18.17	18.16	20.00
5	64QAM	1	24	18.17	18.25	18.22	18.13	18.25	20.00
5	64QAM	12	0	18.00	18.09	18.18	18.29	18.01	20.00
5	64QAM	12	7	18.16	18.01	18.01	18.02	18.11	20.00
5	64QAM	12	13	18.01	18.02	18.19	18.00	18.10	20.00
5	64QAM	25	0	18.05	18.00	18.07	18.16	18.13	20.00
5	256QAM	1	0	18.07	18.04	18.08	18.14	18.12	20.00
5	256QAM	1	12	18.12	18.04	18.12	18.00	18.16	20.00
5	256QAM	1	24	18.09	18.24	18.00	18.17	18.21	20.00
5	256QAM	12	0	18.99	18.83	18.99	18.99	19.04	20.00
5	256QAM	12	7	19.02	18.89	18.92	18.91	18.96	20.00
5	256QAM	12	13	18.94	19.05	18.94	18.93	18.91	20.00
5	256QAM	25	0	18.03	18.01	18.04	18.15	18.03	20.00



【LTE Band 48_FCC_Part 96 IC_RSS-192
(3550~3700MHz)_Ant 8_DSI0】

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				55340	55830	55990	56150	56640	22.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.07	20.08	20.14	20.11	20.06	22.00
20	QPSK	1	49	20.01	20.07	20.07	20.10	20.02	22.00
20	QPSK	1	99	20.03	20.06	20.10	20.10	20.10	22.00
20	QPSK	50	0	19.11	19.21	19.35	19.15	19.22	21.00
20	QPSK	50	24	19.06	19.12	19.35	19.08	19.10	21.00
20	QPSK	50	50	19.01	19.15	19.17	19.00	19.20	21.00
20	QPSK	100	0	19.19	19.07	19.19	19.32	19.08	21.00
20	16QAM	1	0	19.40	19.34	19.45	19.40	19.42	21.00
20	16QAM	1	49	19.25	19.13	19.19	19.13	19.17	21.00
20	16QAM	1	99	19.15	19.20	19.19	19.26	19.33	21.00
20	16QAM	50	0	18.39	18.40	18.42	18.49	18.37	20.00
20	16QAM	50	24	18.49	18.40	18.37	18.58	18.39	20.00
20	16QAM	50	50	18.31	18.35	18.25	18.36	18.22	20.00
20	16QAM	100	0	18.43	18.42	18.34	18.40	18.42	20.00
20	64QAM	1	0	18.31	18.33	18.33	18.30	18.39	20.00
20	64QAM	1	49	18.20	18.27	18.18	18.20	18.22	20.00
20	64QAM	1	99	18.19	18.26	18.32	18.19	18.29	20.00
20	64QAM	50	0	18.14	18.13	18.28	18.32	18.03	20.00
20	64QAM	50	24	18.20	18.06	18.09	18.08	18.22	20.00
20	64QAM	50	50	18.12	18.07	18.22	18.08	18.14	20.00
20	64QAM	100	0	18.15	18.01	18.19	18.18	18.25	20.00
20	256QAM	1	0	18.21	18.08	18.22	18.15	18.25	20.00
20	256QAM	1	49	18.20	18.11	18.19	18.12	18.18	20.00
20	256QAM	1	99	18.24	18.26	18.11	18.25	18.29	20.00
20	256QAM	50	0	19.06	18.96	19.10	19.06	19.07	20.00
20	256QAM	50	24	19.13	19.01	19.02	19.04	19.09	20.00
20	256QAM	50	50	19.06	19.13	19.05	19.07	19.04	20.00
20	256QAM	100	0	18.13	18.15	18.18	18.20	18.11	20.00
Channel				55315	55820	55990	56160	56665	22.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.04	20.01	20.06	20.00	20.01	22.00
15	QPSK	1	37	20.00	20.00	20.00	20.07	20.00	22.00
15	QPSK	1	74	20.00	20.04	20.00	20.02	20.01	22.00
15	QPSK	36	0	19.09	19.14	19.25	19.01	19.15	21.00
15	QPSK	36	20	19.01	19.02	19.28	19.00	19.00	21.00
15	QPSK	36	39	19.02	19.07	19.14	19.01	19.14	21.00
15	QPSK	75	0	19.06	19.00	19.15	19.29	19.02	21.00
15	16QAM	1	0	19.34	19.25	19.42	19.31	19.28	21.00
15	16QAM	1	37	19.23	19.00	19.18	19.01	19.12	21.00
15	16QAM	1	74	19.00	19.12	19.10	19.22	19.19	21.00
15	16QAM	36	0	18.37	18.33	18.33	18.36	18.34	20.00
15	16QAM	36	20	18.45	18.39	18.29	18.55	18.32	20.00
15	16QAM	36	39	18.24	18.24	18.15	18.34	18.16	20.00
15	16QAM	75	0	18.35	18.29	18.31	18.34	18.33	20.00
15	64QAM	1	0	18.29	18.24	18.23	18.19	18.24	20.00
15	64QAM	1	37	18.10	18.22	18.03	18.14	18.13	20.00
15	64QAM	1	74	18.05	18.15	18.17	18.14	18.15	20.00
15	64QAM	36	0	18.13	18.02	18.23	18.22	18.02	20.00
15	64QAM	36	20	18.07	18.03	18.03	18.00	18.14	20.00
15	64QAM	36	39	18.09	18.05	18.10	18.02	18.09	20.00
15	64QAM	75	0	18.11	18.00	18.17	18.09	18.20	20.00
15	256QAM	1	0	18.15	18.04	18.19	18.13	18.13	20.00
15	256QAM	1	37	18.09	18.07	18.06	18.03	18.17	20.00
15	256QAM	1	74	18.15	18.18	18.00	18.16	18.22	20.00
15	256QAM	36	0	19.03	18.90	19.05	18.95	19.04	20.00
15	256QAM	36	20	19.10	18.99	18.98	19.00	19.01	20.00
15	256QAM	36	39	18.92	19.07	18.93	18.93	18.97	20.00
15	256QAM	75	0	18.09	18.07	18.12	18.09	18.05	20.00
Channel				55290	55815	55990	56165	56690	22.00
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.01	20.01	20.04	20.05	20.00	22.00
10	QPSK	1	25	20.01	20.00	20.00	20.07	20.01	22.00
10	QPSK	1	49	20.01	20.05	20.07	20.03	20.09	22.00
10	QPSK	25	0	19.07	19.07	19.24	19.03	19.21	21.00
10	QPSK	25	12	19.00	19.10	19.23	19.06	19.02	21.00
10	QPSK	25	25	19.02	19.08	19.04	19.02	19.09	21.00
10	QPSK	50	0	19.12	19.05	19.15	19.27	19.02	21.00
10	16QAM	1	0	19.33	19.20	19.40	19.36	19.33	21.00



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10	16QAM	1	25	19.22	19.11	19.12	19.09	19.05	21.00
10	16QAM	1	49	19.02	19.09	19.08	19.12	19.26	21.00
10	16QAM	25	0	18.29	18.26	18.38	18.41	18.29	20.00
10	16QAM	25	12	18.47	18.35	18.31	18.51	18.34	20.00
10	16QAM	25	25	18.22	18.33	18.15	18.26	18.10	20.00
10	16QAM	50	0	18.30	18.27	18.31	18.38	18.38	20.00
10	64QAM	1	0	18.28	18.18	18.25	18.16	18.34	20.00
10	64QAM	1	25	18.12	18.16	18.15	18.06	18.18	20.00
10	64QAM	1	49	18.08	18.19	18.19	18.11	18.19	20.00
10	64QAM	25	0	18.04	18.00	18.21	18.22	18.00	20.00
10	64QAM	25	12	18.13	18.00	18.01	18.01	18.19	20.00
10	64QAM	25	25	18.10	18.01	18.07	18.02	18.02	20.00
10	64QAM	50	0	18.11	18.01	18.11	18.07	18.19	20.00
10	256QAM	1	0	18.11	18.02	18.08	18.08	18.21	20.00
10	256QAM	1	25	18.11	18.08	18.16	18.00	18.13	20.00
10	256QAM	1	49	18.12	18.14	18.04	18.23	18.21	20.00
10	256QAM	25	0	18.92	18.91	19.08	18.99	19.00	20.00
10	256QAM	25	12	19.11	19.00	18.91	18.90	19.00	20.00
10	256QAM	25	25	18.92	19.07	18.93	18.92	19.02	20.00
10	256QAM	50	0	18.07	18.04	18.14	18.06	18.01	20.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	20.01	20.09	20.04	20.01	22.00
5	QPSK	1	12	20.00	20.04	20.02	20.01	20.01	22.00
5	QPSK	1	24	20.01	20.00	20.00	20.07	20.02	22.00
5	QPSK	12	0	19.05	19.13	19.32	19.03	19.14	21.00
5	QPSK	12	7	19.02	19.10	19.21	19.06	19.00	21.00
5	QPSK	12	13	19.01	19.07	19.15	19.00	19.14	21.00
5	QPSK	25	0	19.10	19.00	19.18	19.23	19.02	21.00
5	16QAM	1	0	19.29	19.31	19.44	19.38	19.34	21.00
5	16QAM	1	12	19.18	19.03	19.09	19.08	19.15	21.00
5	16QAM	1	24	19.14	19.10	19.18	19.12	19.20	21.00
5	16QAM	12	0	18.34	18.32	18.31	18.47	18.35	20.00
5	16QAM	12	7	18.43	18.38	18.34	18.49	18.30	20.00
5	16QAM	12	13	18.17	18.24	18.23	18.30	18.17	20.00
5	16QAM	25	0	18.28	18.41	18.24	18.39	18.30	20.00
5	64QAM	1	0	18.23	18.19	18.25	18.27	18.32	20.00
5	64QAM	1	12	18.07	18.22	18.09	18.17	18.16	20.00
5	64QAM	1	24	18.17	18.25	18.22	18.13	18.25	20.00
5	64QAM	12	0	18.00	18.09	18.18	18.29	18.01	20.00
5	64QAM	12	7	18.16	18.01	18.01	18.02	18.11	20.00
5	64QAM	12	13	18.01	18.02	18.19	18.00	18.10	20.00
5	64QAM	25	0	18.05	18.00	18.07	18.16	18.13	20.00
5	256QAM	1	0	18.07	18.04	18.08	18.14	18.12	20.00
5	256QAM	1	12	18.12	18.04	18.12	18.00	18.16	20.00
5	256QAM	1	24	18.09	18.24	18.00	18.17	18.21	20.00
5	256QAM	12	0	18.99	18.83	18.99	18.99	19.04	20.00
5	256QAM	12	7	19.02	18.89	18.92	18.91	18.96	20.00
5	256QAM	12	13	18.94	19.05	18.94	18.93	18.91	20.00
5	256QAM	25	0	18.03	18.01	18.04	18.15	18.03	20.00



【LTE Band 48_FCC_Part 96 IC_RSS-192
(3550~3700MHz)_Ant 8_DSI7】

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				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	17.60	17.57	17.53	17.66	17.55	18.90
20	QPSK	1	49	17.46	17.48	17.43	17.56	17.42	18.90
20	QPSK	1	99	17.50	17.40	17.44	17.57	17.48	18.90
20	QPSK	50	0	17.41	17.49	17.38	17.51	17.44	18.90
20	QPSK	50	24	17.36	17.34	17.29	17.42	17.36	18.90
20	QPSK	50	50	17.38	17.27	17.30	17.43	17.31	18.90
20	QPSK	100	0	17.29	17.15	17.17	17.30	17.23	18.90
20	16QAM	1	0	17.30	17.39	17.18	17.31	17.39	18.90
20	16QAM	1	49	17.30	17.35	17.18	17.31	17.46	18.90
20	16QAM	1	99	17.24	17.29	17.24	17.37	17.27	18.90
20	16QAM	50	0	17.49	17.44	17.27	17.40	17.38	18.90
20	16QAM	50	24	17.39	17.50	17.24	17.37	17.48	18.90
20	16QAM	50	50	17.41	17.51	17.21	17.34	17.46	18.90
20	16QAM	100	0	17.32	17.43	17.32	17.45	17.44	18.90
20	64QAM	1	0	17.45	17.44	17.32	17.45	17.45	18.90
20	64QAM	1	49	17.39	17.53	17.35	17.48	17.49	18.90
20	64QAM	1	99	17.48	17.47	17.47	17.60	17.42	18.90
20	64QAM	50	0	17.44	17.42	17.35	17.48	17.44	18.90
20	64QAM	50	24	17.37	17.44	17.33	17.46	17.33	18.90
20	64QAM	50	50	17.32	17.58	17.34	17.47	17.59	18.90
20	64QAM	100	0	17.48	17.53	17.36	17.49	17.55	18.90
20	256QAM	1	0	17.44	17.46	17.42	17.55	17.43	18.90
20	256QAM	1	49	17.32	17.46	17.44	17.57	17.34	18.90
20	256QAM	1	99	17.52	17.45	17.41	17.54	17.45	18.90
20	256QAM	50	0	17.45	17.49	17.42	17.55	17.46	18.90
20	256QAM	50	24	17.36	17.45	17.31	17.44	17.42	18.90
20	256QAM	50	50	17.46	17.56	17.32	17.45	17.50	18.90
20	256QAM	100	0	17.38	17.47	17.37	17.50	17.48	18.90
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	17.55	17.45	17.43	17.55	17.46	18.90
15	QPSK	1	37	17.38	17.38	17.32	17.42	17.37	18.90
15	QPSK	1	74	17.49	17.27	17.33	17.46	17.37	18.90
15	QPSK	36	0	17.28	17.45	17.26	17.49	17.34	18.90
15	QPSK	36	20	17.29	17.32	17.21	17.35	17.31	18.90
15	QPSK	36	39	17.29	17.23	17.28	17.37	17.22	18.90
15	QPSK	75	0	17.16	17.08	17.14	17.18	17.15	18.90
15	16QAM	1	0	17.21	17.37	17.07	17.17	17.37	18.90
15	16QAM	1	37	17.16	17.25	17.08	17.19	17.34	18.90
15	16QAM	1	74	17.11	17.14	17.13	17.34	17.25	18.90
15	16QAM	36	0	17.48	17.38	17.17	17.28	17.25	18.90
15	16QAM	36	20	17.24	17.36	17.13	17.30	17.34	18.90
15	16QAM	36	39	17.34	17.49	17.07	17.31	17.35	18.90
15	16QAM	75	0	17.24	17.41	17.22	17.38	17.39	18.90
15	64QAM	1	0	17.43	17.39	17.21	17.39	17.33	18.90
15	64QAM	1	37	17.35	17.50	17.26	17.35	17.35	18.90
15	64QAM	1	74	17.44	17.37	17.34	17.48	17.30	18.90
15	64QAM	36	0	17.43	17.32	17.26	17.46	17.38	18.90
15	64QAM	36	20	17.26	17.30	17.23	17.41	17.30	18.90
15	64QAM	36	39	17.26	17.53	17.28	17.43	17.54	18.90
15	64QAM	75	0	17.37	17.40	17.32	17.47	17.54	18.90
15	256QAM	1	0	17.41	17.41	17.34	17.45	17.39	18.90
15	256QAM	1	37	17.27	17.37	17.39	17.51	17.21	18.90
15	256QAM	1	74	17.42	17.38	17.31	17.41	17.43	18.90
15	256QAM	36	0	17.34	17.35	17.27	17.43	17.38	18.90
15	256QAM	36	20	17.31	17.42	17.28	17.38	17.38	18.90
15	256QAM	36	39	17.43	17.53	17.21	17.35	17.42	18.90
15	256QAM	75	0	17.24	17.34	17.30	17.35	17.42	18.90
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	17.54	17.48	17.39	17.51	17.45	18.90
10	QPSK	1	25	17.33	17.40	17.31	17.44	17.28	18.90
10	QPSK	1	49	17.49	17.35	17.32	17.45	17.43	18.90
10	QPSK	25	0	17.35	17.40	17.34	17.45	17.37	18.90
10	QPSK	25	12	17.21	17.21	17.16	17.34	17.32	18.90
10	QPSK	25	25	17.28	17.14	17.24	17.38	17.20	18.90
10	QPSK	50	0	17.20	17.13	17.12	17.22	17.09	18.90
10	16QAM	1	0	17.22	17.34	17.06	17.28	17.27	18.90



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10	16QAM	1	25	17.22	17.25	17.09	17.18	17.45	18.90
10	16QAM	1	49	17.09	17.24	17.23	17.29	17.14	18.90
10	16QAM	25	0	17.45	17.43	17.17	17.37	17.34	18.90
10	16QAM	25	12	17.33	17.44	17.18	17.32	17.39	18.90
10	16QAM	25	25	17.40	17.39	17.16	17.27	17.35	18.90
10	16QAM	50	0	17.22	17.33	17.27	17.34	17.41	18.90
10	64QAM	1	0	17.35	17.41	17.18	17.42	17.44	18.90
10	64QAM	1	25	17.27	17.47	17.25	17.43	17.38	18.90
10	64QAM	1	49	17.39	17.42	17.40	17.45	17.33	18.90
10	64QAM	25	0	17.29	17.29	17.27	17.43	17.41	18.90
10	64QAM	25	12	17.23	17.29	17.28	17.45	17.25	18.90
10	64QAM	25	25	17.21	17.49	17.28	17.44	17.50	18.90
10	64QAM	50	0	17.34	17.47	17.24	17.47	17.44	18.90
10	256QAM	1	0	17.39	17.33	17.29	17.41	17.37	18.90
10	256QAM	1	25	17.30	17.31	17.37	17.47	17.21	18.90
10	256QAM	1	49	17.43	17.37	17.33	17.50	17.41	18.90
10	256QAM	25	0	17.42	17.43	17.35	17.42	17.42	18.90
10	256QAM	25	12	17.29	17.42	17.25	17.30	17.36	18.90
10	256QAM	25	25	17.39	17.42	17.29	17.44	17.44	18.90
10	256QAM	50	0	17.29	17.44	17.24	17.40	17.45	18.90
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	17.58	17.54	17.40	17.63	17.50	18.90
5	QPSK	1	12	17.37	17.37	17.36	17.52	17.40	18.90
5	QPSK	1	24	17.36	17.35	17.38	17.48	17.34	18.90
5	QPSK	12	0	17.30	17.35	17.26	17.45	17.36	18.90
5	QPSK	12	7	17.29	17.24	17.15	17.27	17.32	18.90
5	QPSK	12	13	17.41	17.19	17.20	17.36	17.24	18.90
5	QPSK	25	0	17.20	17.03	17.14	17.23	17.12	18.90
5	16QAM	1	0	17.22	17.30	17.09	17.27	17.26	18.90
5	16QAM	1	12	17.15	17.32	17.03	17.25	17.36	18.90
5	16QAM	1	24	17.10	17.14	17.12	17.24	17.14	18.90
5	16QAM	12	0	17.44	17.34	17.21	17.30	17.24	18.90
5	16QAM	12	7	17.25	17.47	17.22	17.26	17.35	18.90
5	16QAM	12	13	17.27	17.40	17.10	17.21	17.36	18.90
5	16QAM	25	0	17.25	17.31	17.18	17.36	17.35	18.90
5	64QAM	1	0	17.43	17.34	17.18	17.34	17.30	18.90
5	64QAM	1	12	17.37	17.48	17.26	17.47	17.37	18.90
5	64QAM	1	24	17.33	17.45	17.40	17.45	17.27	18.90
5	64QAM	12	0	17.32	17.27	17.25	17.41	17.29	18.90
5	64QAM	12	7	17.26	17.29	17.31	17.44	17.19	18.90
5	64QAM	12	13	17.24	17.44	17.32	17.33	17.44	18.90
5	64QAM	25	0	17.43	17.44	17.28	17.46	17.44	18.90
5	256QAM	1	0	17.40	17.42	17.30	17.47	17.40	18.90
5	256QAM	1	12	17.25	17.39	17.34	17.53	17.21	18.90
5	256QAM	1	24	17.38	17.39	17.29	17.47	17.35	18.90
5	256QAM	12	0	17.38	17.48	17.36	17.49	17.37	18.90
5	256QAM	12	7	17.28	17.33	17.26	17.32	17.27	18.90
5	256QAM	12	13	17.41	17.52	17.27	17.41	17.48	18.90
5	256QAM	25	0	17.27	17.39	17.24	17.40	17.43	18.90



【LTE Band 48_FCC_Part 96_IC_RSS-192
(3550~3700MHz)_Ant 9_Full power】

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				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.54	21.44	21.75	21.64	21.52	22.50
20	QPSK	1	49	21.49	21.38	21.55	21.46	21.48	22.50
20	QPSK	1	99	21.46	21.35	21.59	21.51	21.46	22.50
20	QPSK	50	0	21.58	21.53	21.72	21.71	21.64	22.50
20	QPSK	50	24	21.55	21.47	21.61	21.61	21.50	22.50
20	QPSK	50	50	21.50	21.50	21.56	21.62	21.50	22.50
20	QPSK	100	0	21.62	21.62	21.67	21.58	21.62	22.50
20	16QAM	1	0	21.62	21.49	21.69	21.60	21.61	22.50
20	16QAM	1	49	21.62	21.60	21.62	21.62	21.70	22.50
20	16QAM	1	99	21.56	21.68	21.60	21.63	21.57	22.50
20	16QAM	50	0	21.46	21.64	21.51	21.65	21.59	22.50
20	16QAM	50	24	21.56	21.66	21.58	21.71	21.54	22.50
20	16QAM	50	50	21.53	21.71	21.78	21.66	21.49	22.50
20	16QAM	100	0	21.60	21.60	21.70	21.63	21.57	22.50
20	64QAM	1	0	21.72	21.60	21.69	21.55	21.68	22.50
20	64QAM	1	49	21.63	21.47	21.51	21.73	21.46	22.50
20	64QAM	1	99	21.63	21.72	21.64	21.69	21.56	22.50
20	64QAM	50	0	21.00	20.93	20.89	20.73	20.88	21.50
20	64QAM	50	24	20.94	21.00	21.03	20.95	20.98	21.50
20	64QAM	50	50	20.92	20.90	20.92	20.89	20.93	21.50
20	64QAM	100	0	20.97	20.97	20.94	20.77	20.96	21.50
20	256QAM	1	0	19.01	19.01	18.98	18.87	18.96	20.50
20	256QAM	1	49	18.99	18.99	19.03	18.95	18.91	20.50
20	256QAM	1	99	19.00	18.92	18.94	18.91	18.98	20.50
20	256QAM	50	0	18.90	18.91	18.89	18.85	18.93	20.50
20	256QAM	50	24	19.05	19.03	18.98	18.82	18.99	20.50
20	256QAM	50	50	19.02	18.92	18.99	18.88	18.92	20.50
20	256QAM	100	0	19.04	18.99	18.94	18.89	18.94	20.50
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.50	21.38	21.58	21.52	21.37	22.50
15	QPSK	1	37	21.54	21.59	21.45	21.32	21.54	22.50
15	QPSK	1	74	21.39	21.66	21.54	21.40	21.59	22.50
15	QPSK	36	0	21.44	21.44	21.68	21.58	21.52	22.50
15	QPSK	36	20	21.53	21.48	21.54	21.48	21.46	22.50
15	QPSK	36	39	21.59	21.42	21.46	21.48	21.40	22.50
15	QPSK	75	0	21.48	21.60	21.55	21.49	21.52	22.50
15	16QAM	1	0	21.51	21.38	21.66	21.55	21.49	22.50
15	16QAM	1	37	21.57	21.47	21.59	21.53	21.64	22.50
15	16QAM	1	74	21.55	21.61	21.57	21.51	21.51	22.50
15	16QAM	36	0	21.37	21.61	21.50	21.51	21.47	22.50
15	16QAM	36	20	21.45	21.56	21.56	21.57	21.45	22.50
15	16QAM	36	39	21.51	21.57	21.70	21.59	21.36	22.50
15	16QAM	75	0	21.51	21.49	21.64	21.54	21.49	22.50
15	64QAM	1	0	21.59	21.48	21.65	21.51	21.54	22.50
15	64QAM	1	37	21.61	21.34	21.42	21.64	21.44	22.50
15	64QAM	1	74	21.48	21.66	21.53	21.56	21.49	22.50
15	64QAM	36	0	20.86	20.80	20.81	20.70	20.78	21.50
15	64QAM	36	20	20.85	20.90	21.01	20.92	20.95	21.50
15	64QAM	36	39	20.88	20.86	20.88	20.78	20.85	21.50
15	64QAM	75	0	20.84	20.84	20.92	20.70	20.90	21.50
15	256QAM	1	0	18.87	18.91	18.88	18.77	18.94	20.50
15	256QAM	1	37	18.97	18.94	18.99	18.86	18.82	20.50
15	256QAM	1	74	18.98	18.81	18.81	18.89	18.96	20.50
15	256QAM	36	0	18.81	18.87	18.76	18.80	18.85	20.50
15	256QAM	36	20	18.99	19.01	18.90	18.77	18.95	20.50
15	256QAM	36	39	18.94	18.91	18.86	18.76	18.90	20.50
15	256QAM	75	0	19.01	18.94	18.88	18.87	18.91	20.50
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.48	21.42	21.59	21.57	21.49	22.50
10	QPSK	1	25	21.56	21.64	21.50	21.41	21.53	22.50
10	QPSK	1	49	21.44	21.64	21.50	21.43	21.65	22.50
10	QPSK	25	0	21.54	21.44	21.62	21.69	21.57	22.50
10	QPSK	25	12	21.56	21.42	21.50	21.60	21.45	22.50
10	QPSK	25	25	21.57	21.49	21.46	21.52	21.47	22.50
10	QPSK	50	0	21.51	21.48	21.57	21.45	21.54	22.50
10	16QAM	1	0	21.53	21.48	21.55	21.57	21.60	22.50



FCC SAR Test Report

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10	16QAM	1	25	21.50	21.52	21.60	21.50	21.66	22.50
10	16QAM	1	49	21.47	21.53	21.48	21.56	21.52	22.50
10	16QAM	25	0	21.37	21.58	21.49	21.61	21.50	22.50
10	16QAM	25	12	21.48	21.61	21.48	21.70	21.48	22.50
10	16QAM	25	25	21.49	21.63	21.71	21.60	21.39	22.50
10	16QAM	50	0	21.51	21.58	21.62	21.51	21.50	22.50
10	64QAM	1	0	21.57	21.51	21.56	21.44	21.56	22.50
10	64QAM	1	25	21.57	21.34	21.39	21.72	21.31	22.50
10	64QAM	1	49	21.54	21.61	21.62	21.60	21.42	22.50
10	64QAM	25	0	20.88	20.86	20.78	20.64	20.74	21.50
10	64QAM	25	12	20.89	20.89	20.99	20.92	20.86	21.50
10	64QAM	25	25	20.90	20.81	20.80	20.80	20.87	21.50
10	64QAM	50	0	20.87	20.93	20.91	20.64	20.94	21.50
10	256QAM	1	0	18.89	18.99	18.85	18.78	18.95	20.50
10	256QAM	1	25	18.93	18.92	18.92	18.88	18.77	20.50
10	256QAM	1	49	18.94	18.84	18.93	18.78	18.85	20.50
10	256QAM	25	0	18.81	18.86	18.80	18.79	18.80	20.50
10	256QAM	25	12	19.03	19.02	18.92	18.72	18.86	20.50
10	256QAM	25	25	18.91	18.88	18.91	18.76	18.90	20.50
10	256QAM	50	0	18.95	18.97	18.90	18.79	18.82	20.50
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.49	21.33	21.55	21.56	21.40	22.50
5	QPSK	1	12	21.58	21.59	21.43	21.32	21.54	22.50
5	QPSK	1	24	21.41	21.63	21.57	21.39	21.62	22.50
5	QPSK	12	0	21.52	21.41	21.63	21.61	21.54	22.50
5	QPSK	12	7	21.63	21.50	21.55	21.56	21.46	22.50
5	QPSK	12	13	21.65	21.45	21.54	21.54	21.44	22.50
5	QPSK	25	0	21.50	21.54	21.59	21.52	21.61	22.50
5	16QAM	1	0	21.58	21.36	21.59	21.54	21.55	22.50
5	16QAM	1	12	21.47	21.54	21.54	21.48	21.59	22.50
5	16QAM	1	24	21.46	21.55	21.59	21.49	21.54	22.50
5	16QAM	12	0	21.32	21.52	21.43	21.63	21.57	22.50
5	16QAM	12	7	21.49	21.56	21.49	21.64	21.43	22.50
5	16QAM	12	13	21.49	21.68	21.71	21.61	21.46	22.50
5	16QAM	25	0	21.57	21.53	21.63	21.49	21.48	22.50
5	64QAM	1	0	21.67	21.54	21.66	21.44	21.57	22.50
5	64QAM	1	12	21.59	21.40	21.45	21.71	21.40	22.50
5	64QAM	1	24	21.53	21.64	21.49	21.67	21.52	22.50
5	64QAM	12	0	20.94	20.80	20.81	20.60	20.76	21.50
5	64QAM	12	7	20.89	20.93	20.98	20.92	20.86	21.50
5	64QAM	12	13	20.77	20.77	20.89	20.79	20.87	21.50
5	64QAM	25	0	20.95	20.92	20.84	20.74	20.86	21.50
5	256QAM	1	0	18.87	18.86	18.89	18.81	18.89	20.50
5	256QAM	1	12	18.89	18.95	19.00	18.82	18.81	20.50
5	256QAM	1	24	18.98	18.84	18.91	18.89	18.85	20.50
5	256QAM	12	0	18.78	18.83	18.83	18.70	18.91	20.50
5	256QAM	12	7	19.04	18.88	18.91	18.71	18.85	20.50
5	256QAM	12	13	18.97	18.89	18.96	18.74	18.82	20.50
5	256QAM	25	0	18.95	18.89	18.80	18.79	18.86	20.50



【LTE Band 48_FCC_Part 96 IC_RSS-192
(3550~3700MHz)_Ant 9_DSI0】

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				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.54	21.44	21.75	21.64	21.52	22.50
20	QPSK	1	49	21.49	21.38	21.55	21.46	21.48	22.50
20	QPSK	1	99	21.46	21.35	21.59	21.51	21.46	22.50
20	QPSK	50	0	21.58	21.53	21.72	21.71	21.64	22.50
20	QPSK	50	24	21.55	21.47	21.61	21.61	21.50	22.50
20	QPSK	50	50	21.50	21.50	21.56	21.62	21.50	22.50
20	QPSK	100	0	21.62	21.62	21.67	21.58	21.62	22.50
20	16QAM	1	0	21.62	21.49	21.69	21.60	21.61	22.50
20	16QAM	1	49	21.62	21.60	21.62	21.62	21.70	22.50
20	16QAM	1	99	21.56	21.68	21.60	21.63	21.57	22.50
20	16QAM	50	0	21.46	21.64	21.51	21.65	21.59	22.50
20	16QAM	50	24	21.56	21.66	21.58	21.71	21.54	22.50
20	16QAM	50	50	21.53	21.71	21.78	21.66	21.49	22.50
20	16QAM	100	0	21.60	21.60	21.70	21.63	21.57	22.50
20	64QAM	1	0	21.72	21.60	21.69	21.55	21.68	22.50
20	64QAM	1	49	21.63	21.47	21.51	21.73	21.46	22.50
20	64QAM	1	99	21.63	21.72	21.64	21.69	21.56	22.50
20	64QAM	50	0	21.00	20.93	20.89	20.73	20.88	21.50
20	64QAM	50	24	20.94	21.00	21.03	20.95	20.98	21.50
20	64QAM	50	50	20.92	20.90	20.92	20.89	20.93	21.50
20	64QAM	100	0	20.97	20.97	20.94	20.77	20.96	21.50
20	256QAM	1	0	19.01	19.01	18.98	18.87	18.96	20.50
20	256QAM	1	49	18.99	18.99	19.03	18.95	18.91	20.50
20	256QAM	1	99	19.00	18.92	18.94	18.91	18.98	20.50
20	256QAM	50	0	18.90	18.91	18.89	18.85	18.93	20.50
20	256QAM	50	24	19.05	19.03	18.98	18.82	18.99	20.50
20	256QAM	50	50	19.02	18.92	18.99	18.88	18.92	20.50
20	256QAM	100	0	19.04	18.99	18.94	18.89	18.94	20.50
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.50	21.38	21.58	21.52	21.37	22.50
15	QPSK	1	37	21.54	21.59	21.45	21.32	21.54	22.50
15	QPSK	1	74	21.39	21.66	21.54	21.40	21.59	22.50
15	QPSK	36	0	21.44	21.44	21.68	21.58	21.52	22.50
15	QPSK	36	20	21.53	21.48	21.54	21.48	21.46	22.50
15	QPSK	36	39	21.59	21.42	21.46	21.48	21.40	22.50
15	QPSK	75	0	21.48	21.60	21.55	21.49	21.52	22.50
15	16QAM	1	0	21.51	21.38	21.66	21.55	21.49	22.50
15	16QAM	1	37	21.57	21.47	21.59	21.53	21.64	22.50
15	16QAM	1	74	21.55	21.61	21.57	21.51	21.51	22.50
15	16QAM	36	0	21.37	21.61	21.50	21.51	21.47	22.50
15	16QAM	36	20	21.45	21.56	21.56	21.57	21.45	22.50
15	16QAM	36	39	21.51	21.57	21.70	21.59	21.36	22.50
15	16QAM	75	0	21.51	21.49	21.64	21.54	21.49	22.50
15	64QAM	1	0	21.59	21.48	21.65	21.51	21.54	22.50
15	64QAM	1	37	21.61	21.34	21.42	21.64	21.44	22.50
15	64QAM	1	74	21.48	21.66	21.53	21.56	21.49	22.50
15	64QAM	36	0	20.86	20.80	20.81	20.70	20.78	21.50
15	64QAM	36	20	20.85	20.90	21.01	20.92	20.95	21.50
15	64QAM	36	39	20.88	20.86	20.88	20.78	20.85	21.50
15	64QAM	75	0	20.84	20.84	20.92	20.70	20.90	21.50
15	256QAM	1	0	18.87	18.91	18.88	18.77	18.94	20.50
15	256QAM	1	37	18.97	18.94	18.99	18.86	18.82	20.50
15	256QAM	1	74	18.98	18.81	18.81	18.89	18.96	20.50
15	256QAM	36	0	18.81	18.87	18.76	18.80	18.85	20.50
15	256QAM	36	20	18.99	19.01	18.90	18.77	18.95	20.50
15	256QAM	36	39	18.94	18.91	18.86	18.76	18.90	20.50
15	256QAM	75	0	19.01	18.94	18.88	18.87	18.91	20.50
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.48	21.42	21.59	21.57	21.49	22.50
10	QPSK	1	25	21.56	21.64	21.50	21.41	21.53	22.50
10	QPSK	1	49	21.44	21.64	21.50	21.43	21.65	22.50
10	QPSK	25	0	21.54	21.44	21.62	21.69	21.57	22.50
10	QPSK	25	12	21.56	21.42	21.50	21.60	21.45	22.50
10	QPSK	25	25	21.57	21.49	21.46	21.52	21.47	22.50
10	QPSK	50	0	21.51	21.48	21.57	21.45	21.54	22.50
10	16QAM	1	0	21.53	21.48	21.55	21.57	21.60	22.50



10	16QAM	1	25	21.50	21.52	21.60	21.50	21.66	22.50
10	16QAM	1	49	21.47	21.53	21.48	21.56	21.52	22.50
10	16QAM	25	0	21.37	21.58	21.49	21.61	21.50	22.50
10	16QAM	25	12	21.48	21.61	21.48	21.70	21.48	22.50
10	16QAM	25	25	21.49	21.63	21.71	21.60	21.39	22.50
10	16QAM	50	0	21.51	21.58	21.62	21.51	21.50	22.50
10	64QAM	1	0	21.57	21.51	21.56	21.44	21.56	22.50
10	64QAM	1	25	21.57	21.34	21.39	21.72	21.31	22.50
10	64QAM	1	49	21.54	21.61	21.62	21.60	21.42	22.50
10	64QAM	25	0	20.88	20.86	20.78	20.64	20.74	21.50
10	64QAM	25	12	20.89	20.89	20.99	20.92	20.86	21.50
10	64QAM	25	25	20.90	20.81	20.80	20.80	20.87	21.50
10	64QAM	50	0	20.87	20.93	20.91	20.64	20.94	21.50
10	256QAM	1	0	18.89	18.99	18.85	18.78	18.95	20.50
10	256QAM	1	25	18.93	18.92	18.92	18.88	18.77	20.50
10	256QAM	1	49	18.94	18.84	18.93	18.78	18.85	20.50
10	256QAM	25	0	18.81	18.86	18.80	18.79	18.80	20.50
10	256QAM	25	12	19.03	19.02	18.92	18.72	18.86	20.50
10	256QAM	25	25	18.91	18.88	18.91	18.76	18.90	20.50
10	256QAM	50	0	18.95	18.97	18.90	18.79	18.82	20.50
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.49	21.33	21.55	21.56	21.40	22.50
5	QPSK	1	12	21.58	21.59	21.43	21.32	21.54	22.50
5	QPSK	1	24	21.41	21.63	21.57	21.39	21.62	22.50
5	QPSK	12	0	21.52	21.41	21.63	21.61	21.54	22.50
5	QPSK	12	7	21.63	21.50	21.55	21.56	21.46	22.50
5	QPSK	12	13	21.65	21.45	21.54	21.54	21.44	22.50
5	QPSK	25	0	21.50	21.54	21.59	21.52	21.61	22.50
5	16QAM	1	0	21.58	21.36	21.59	21.54	21.55	22.50
5	16QAM	1	12	21.47	21.54	21.54	21.48	21.59	22.50
5	16QAM	1	24	21.46	21.55	21.59	21.49	21.54	22.50
5	16QAM	12	0	21.32	21.52	21.43	21.63	21.57	22.50
5	16QAM	12	7	21.49	21.56	21.49	21.64	21.43	22.50
5	16QAM	12	13	21.49	21.68	21.71	21.61	21.46	22.50
5	16QAM	25	0	21.57	21.53	21.63	21.49	21.48	22.50
5	64QAM	1	0	21.67	21.54	21.66	21.44	21.57	22.50
5	64QAM	1	12	21.59	21.40	21.45	21.71	21.40	22.50
5	64QAM	1	24	21.53	21.64	21.49	21.67	21.52	22.50
5	64QAM	12	0	20.94	20.80	20.81	20.60	20.76	21.50
5	64QAM	12	7	20.89	20.93	20.98	20.92	20.86	21.50
5	64QAM	12	13	20.77	20.77	20.89	20.79	20.87	21.50
5	64QAM	25	0	20.95	20.92	20.84	20.74	20.86	21.50
5	256QAM	1	0	18.87	18.86	18.89	18.81	18.89	20.50
5	256QAM	1	12	18.89	18.95	19.00	18.82	18.81	20.50
5	256QAM	1	24	18.98	18.84	18.91	18.89	18.85	20.50
5	256QAM	12	0	18.78	18.83	18.83	18.70	18.91	20.50
5	256QAM	12	7	19.04	18.88	18.91	18.71	18.85	20.50
5	256QAM	12	13	18.97	18.89	18.96	18.74	18.82	20.50
5	256QAM	25	0	18.95	18.89	18.80	18.79	18.86	20.50



【LTE Band 48_FCC_Part 96 IC_RSS-192
(3550~3700MHz)_Ant 9_DSI7】

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				55340	55830	55990	56150	56640	17.40
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	16.50	16.53	16.44	16.57	16.53	17.40
20	QPSK	1	49	16.43	16.36	16.31	16.44	16.36	17.40
20	QPSK	1	99	16.42	16.42	16.44	16.57	16.40	17.40
20	QPSK	50	0	16.52	16.48	16.42	16.55	16.35	17.40
20	QPSK	50	24	16.35	16.34	16.19	16.32	16.26	17.40
20	QPSK	50	50	16.29	16.29	16.33	16.46	16.30	17.40
20	QPSK	100	0	16.19	16.25	16.15	16.28	16.20	17.40
20	16QAM	1	0	16.22	16.34	16.21	16.34	16.39	17.40
20	16QAM	1	49	16.34	16.30	16.20	16.33	16.43	17.40
20	16QAM	1	99	16.23	16.32	16.10	16.23	16.37	17.40
20	16QAM	50	0	16.44	16.43	16.23	16.36	16.39	17.40
20	16QAM	50	24	16.39	16.42	16.29	16.42	16.51	17.40
20	16QAM	50	50	16.41	16.51	16.30	16.43	16.50	17.40
20	16QAM	100	0	16.28	16.42	16.40	16.53	16.45	17.40
20	64QAM	1	0	16.40	16.49	16.21	16.34	16.43	17.40
20	64QAM	1	49	16.35	16.39	16.32	16.45	16.52	17.40
20	64QAM	1	99	16.34	16.45	16.35	16.48	16.49	17.40
20	64QAM	50	0	16.51	16.41	16.40	16.53	16.38	17.40
20	64QAM	50	24	16.33	16.39	16.35	16.48	16.29	17.40
20	64QAM	50	50	16.35	16.45	16.35	16.48	16.46	17.40
20	64QAM	100	0	16.43	16.49	16.35	16.48	16.53	17.40
20	256QAM	1	0	16.34	16.40	16.46	16.59	16.45	17.40
20	256QAM	1	49	16.32	16.34	16.41	16.54	16.39	17.40
20	256QAM	1	99	16.43	16.49	16.26	16.39	16.36	17.40
20	256QAM	50	0	16.37	16.42	16.35	16.48	16.44	17.40
20	256QAM	50	24	16.25	16.38	16.33	16.46	16.41	17.40
20	256QAM	50	50	16.43	16.49	16.24	16.37	16.40	17.40
20	256QAM	100	0	16.33	16.45	16.29	16.42	16.48	17.40
Channel				55315	55820	55990	56160	56665	17.40
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	16.47	16.49	16.32	16.51	16.46	17.40
15	QPSK	1	37	16.30	16.21	16.25	16.29	16.31	17.40
15	QPSK	1	74	16.33	16.32	16.43	16.53	16.37	17.40
15	QPSK	36	0	16.40	16.45	16.33	16.49	16.31	17.40
15	QPSK	36	20	16.30	16.29	16.13	16.29	16.21	17.40
15	QPSK	36	39	16.20	16.18	16.28	16.39	16.16	17.40
15	QPSK	75	0	16.18	16.13	16.03	16.17	16.18	17.40
15	16QAM	1	0	16.12	16.33	16.19	16.32	16.32	17.40
15	16QAM	1	37	16.22	16.23	16.15	16.26	16.32	17.40
15	16QAM	1	74	16.18	16.29	15.99	16.21	16.25	17.40
15	16QAM	36	0	16.32	16.32	16.17	16.28	16.27	17.40
15	16QAM	36	20	16.25	16.35	16.28	16.34	16.48	17.40
15	16QAM	36	39	16.34	16.50	16.16	16.34	16.40	17.40
15	16QAM	75	0	16.20	16.41	16.38	16.48	16.35	17.40
15	64QAM	1	0	16.33	16.44	16.12	16.31	16.30	17.40
15	64QAM	1	37	16.27	16.27	16.19	16.33	16.50	17.40
15	64QAM	1	74	16.20	16.41	16.34	16.39	16.47	17.40
15	64QAM	36	0	16.36	16.29	16.37	16.48	16.30	17.40
15	64QAM	36	20	16.27	16.27	16.32	16.41	16.19	17.40
15	64QAM	36	39	16.29	16.42	16.30	16.38	16.43	17.40
15	64QAM	75	0	16.37	16.39	16.25	16.47	16.49	17.40
15	256QAM	1	0	16.27	16.25	16.40	16.55	16.44	17.40
15	256QAM	1	37	16.18	16.27	16.35	16.43	16.34	17.40
15	256QAM	1	74	16.37	16.43	16.19	16.38	16.23	17.40
15	256QAM	36	0	16.24	16.35	16.25	16.39	16.35	17.40
15	256QAM	36	20	16.13	16.30	16.25	16.38	16.28	17.40
15	256QAM	36	39	16.37	16.42	16.12	16.28	16.37	17.40
15	256QAM	75	0	16.24	16.38	16.26	16.29	16.46	17.40
Channel				55290	55815	55990	56165	56690	17.40
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	16.37	16.41	16.33	16.51	16.51	17.40
10	QPSK	1	25	16.32	16.29	16.25	16.37	16.23	17.40
10	QPSK	1	49	16.28	16.32	16.41	16.47	16.36	17.40
10	QPSK	25	0	16.46	16.47	16.36	16.42	16.26	17.40
10	QPSK	25	12	16.26	16.20	16.07	16.24	16.24	17.40
10	QPSK	25	25	16.18	16.22	16.19	16.33	16.18	17.40
10	QPSK	50	0	16.16	16.22	16.14	16.22	16.09	17.40
10	16QAM	1	0	16.08	16.32	16.20	16.26	16.30	17.40



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10	16QAM	1	25	16.31	16.16	16.13	16.28	16.31	17.40
10	16QAM	1	49	16.11	16.20	15.99	16.10	16.30	17.40
10	16QAM	25	0	16.31	16.39	16.21	16.33	16.25	17.40
10	16QAM	25	12	16.28	16.40	16.17	16.37	16.48	17.40
10	16QAM	25	25	16.39	16.49	16.27	16.40	16.37	17.40
10	16QAM	50	0	16.15	16.27	16.32	16.42	16.35	17.40
10	64QAM	1	0	16.36	16.38	16.13	16.31	16.39	17.40
10	64QAM	1	25	16.22	16.29	16.21	16.35	16.50	17.40
10	64QAM	1	49	16.30	16.32	16.33	16.34	16.40	17.40
10	64QAM	25	0	16.38	16.31	16.35	16.42	16.25	17.40
10	64QAM	25	12	16.23	16.37	16.20	16.36	16.21	17.40
10	64QAM	25	25	16.34	16.36	16.30	16.41	16.36	17.40
10	64QAM	50	0	16.36	16.46	16.20	16.33	16.52	17.40
10	256QAM	1	0	16.30	16.29	16.37	16.57	16.36	17.40
10	256QAM	1	25	16.21	16.22	16.33	16.48	16.33	17.40
10	256QAM	1	49	16.35	16.48	16.11	16.31	16.30	17.40
10	256QAM	25	0	16.25	16.36	16.26	16.36	16.39	17.40
10	256QAM	25	12	16.14	16.34	16.19	16.33	16.37	17.40
10	256QAM	25	25	16.39	16.39	16.14	16.25	16.35	17.40
10	256QAM	50	0	16.28	16.37	16.24	16.34	16.37	17.40
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	16.41	16.47	16.41	16.49	16.39	17.40
5	QPSK	1	12	16.34	16.25	16.22	16.42	16.34	17.40
5	QPSK	1	24	16.31	16.34	16.31	16.44	16.34	17.40
5	QPSK	12	0	16.39	16.46	16.27	16.40	16.25	17.40
5	QPSK	12	7	16.28	16.24	16.09	16.18	16.15	17.40
5	QPSK	12	13	16.15	16.20	16.20	16.34	16.23	17.40
5	QPSK	25	0	16.15	16.12	16.08	16.18	16.17	17.40
5	16QAM	1	0	16.16	16.28	16.20	16.19	16.30	17.40
5	16QAM	1	12	16.27	16.27	16.18	16.27	16.30	17.40
5	16QAM	1	24	16.21	16.31	15.99	16.11	16.25	17.40
5	16QAM	12	0	16.42	16.29	16.19	16.24	16.27	17.40
5	16QAM	12	7	16.33	16.36	16.26	16.34	16.49	17.40
5	16QAM	12	13	16.38	16.47	16.23	16.41	16.43	17.40
5	16QAM	25	0	16.17	16.40	16.28	16.48	16.35	17.40
5	64QAM	1	0	16.39	16.34	16.06	16.28	16.35	17.40
5	64QAM	1	12	16.33	16.36	16.22	16.40	16.51	17.40
5	64QAM	1	24	16.26	16.43	16.30	16.39	16.47	17.40
5	64QAM	12	0	16.37	16.35	16.30	16.46	16.27	17.40
5	64QAM	12	7	16.30	16.33	16.24	16.42	16.20	17.40
5	64QAM	12	13	16.32	16.43	16.20	16.34	16.36	17.40
5	64QAM	25	0	16.40	16.40	16.27	16.36	16.42	17.40
5	256QAM	1	0	16.23	16.26	16.36	16.48	16.35	17.40
5	256QAM	1	12	16.19	16.32	16.31	16.52	16.30	17.40
5	256QAM	1	24	16.38	16.36	16.23	16.33	16.30	17.40
5	256QAM	12	0	16.28	16.37	16.26	16.42	16.30	17.40
5	256QAM	12	7	16.14	16.36	16.23	16.33	16.31	17.40
5	256QAM	12	13	16.36	16.36	16.15	16.34	16.34	17.40
5	256QAM	25	0	16.21	16.44	16.14	16.32	16.40	17.40



【LTE Band 66_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.95	23.98	23.88	25.10
20	QPSK	1	49	23.76	23.89	23.67	25.10
20	QPSK	1	99	23.61	23.76	23.56	25.10
20	QPSK	50	0	22.99	23.05	22.87	24.10
20	QPSK	50	24	22.95	23.00	22.89	24.10
20	QPSK	50	50	22.74	22.84	22.67	24.10
20	QPSK	100	0	22.85	22.99	22.84	24.10
20	16QAM	1	0	22.99	23.16	22.92	24.10
20	16QAM	1	49	23.04	23.09	22.97	24.10
20	16QAM	1	99	22.88	23.02	22.91	24.10
20	16QAM	50	0	21.89	22.02	21.87	23.10
20	16QAM	50	24	21.73	21.83	21.66	23.10
20	16QAM	50	50	21.81	21.99	21.82	23.10
20	16QAM	100	0	21.74	21.86	21.69	23.10
20	64QAM	1	0	22.02	22.09	21.93	23.10
20	64QAM	1	49	21.98	22.05	21.93	23.10
20	64QAM	1	99	21.86	21.92	21.76	23.10
20	64QAM	50	0	20.88	21.02	20.91	22.10
20	64QAM	50	24	20.79	20.92	20.70	22.10
20	64QAM	50	50	20.82	20.96	20.80	22.10
20	64QAM	100	0	20.75	20.81	20.68	22.10
20	256QAM	1	0	18.70	18.82	18.72	20.10
20	256QAM	1	49	18.71	18.80	18.66	20.10
20	256QAM	1	99	18.69	18.84	18.61	20.10
20	256QAM	50	0	18.61	18.75	18.58	20.10
20	256QAM	50	24	18.69	18.76	18.58	20.10
20	256QAM	50	50	18.72	18.80	18.62	20.10
20	256QAM	100	0	18.68	18.81	18.67	20.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.81	23.85	23.74	25.10
15	QPSK	1	37	23.75	23.87	23.60	25.10
15	QPSK	1	74	23.60	23.69	23.42	25.10
15	QPSK	36	0	22.86	22.91	22.80	24.10
15	QPSK	36	20	22.86	22.96	22.87	24.10
15	QPSK	36	39	22.73	22.76	22.54	24.10
15	QPSK	75	0	22.79	22.97	22.74	24.10
15	16QAM	1	0	22.88	23.02	22.89	24.10
15	16QAM	1	37	22.95	23.01	22.95	24.10
15	16QAM	1	74	22.75	22.94	22.81	24.10
15	16QAM	36	0	21.81	21.88	21.81	23.10
15	16QAM	36	20	21.64	21.73	21.64	23.10
15	16QAM	36	39	21.80	21.88	21.81	23.10
15	16QAM	75	0	21.70	21.78	21.59	23.10
15	64QAM	1	0	21.89	22.08	21.91	23.10
15	64QAM	1	37	21.85	22.04	21.84	23.10
15	64QAM	1	74	21.74	21.88	21.68	23.10
15	64QAM	36	0	20.77	20.91	20.88	22.10
15	64QAM	36	20	20.71	20.84	20.59	22.10
15	64QAM	36	39	20.75	20.91	20.73	22.10
15	64QAM	75	0	20.61	20.75	20.61	22.10
15	256QAM	1	0	18.64	18.76	18.62	20.10
15	256QAM	1	37	18.64	18.70	18.64	20.10
15	256QAM	1	74	18.61	18.75	18.58	20.10
15	256QAM	36	0	18.57	18.64	18.44	20.10
15	256QAM	36	20	18.61	18.66	18.53	20.10
15	256QAM	36	39	18.71	18.71	18.52	20.10
15	256QAM	75	0	18.64	18.72	18.62	20.10
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.84	23.87	23.73	25.10
10	QPSK	1	25	23.62	23.80	23.58	25.10
10	QPSK	1	49	23.52	23.62	23.51	25.10
10	QPSK	25	0	22.97	23.03	22.82	24.10
10	QPSK	25	12	22.85	22.94	22.87	24.10
10	QPSK	25	25	22.65	22.76	22.63	24.10
10	QPSK	50	0	22.81	22.93	22.83	24.10
10	16QAM	1	0	22.94	23.05	22.86	24.10
10	16QAM	1	25	22.93	23.05	22.87	24.10
10	16QAM	1	49	22.87	22.90	22.89	24.10
10	16QAM	25	0	21.81	21.97	21.78	23.10



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10	16QAM	25	12	21.67	21.78	21.58	23.10
10	16QAM	25	25	21.78	21.96	21.69	23.10
10	16QAM	50	0	21.71	21.83	21.67	23.10
10	64QAM	1	0	21.95	22.02	21.86	23.10
10	64QAM	1	25	21.87	21.90	21.80	23.10
10	64QAM	1	49	21.85	21.88	21.71	23.10
10	64QAM	25	0	20.76	20.89	20.84	22.10
10	64QAM	25	12	20.66	20.80	20.67	22.10
10	64QAM	25	25	20.68	20.95	20.77	22.10
10	64QAM	50	0	20.60	20.71	20.55	22.10
10	256QAM	1	0	18.59	18.76	18.61	20.10
10	256QAM	1	25	18.69	18.69	18.53	20.10
10	256QAM	1	49	18.55	18.79	18.58	20.10
10	256QAM	25	0	18.50	18.68	18.50	20.10
10	256QAM	25	12	18.63	18.71	18.52	20.10
10	256QAM	25	25	18.64	18.70	18.61	20.10
10	256QAM	50	0	18.63	18.75	18.53	20.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.89	23.88	23.86	25.10
5	QPSK	1	12	23.74	23.79	23.61	25.10
5	QPSK	1	24	23.56	23.69	23.42	25.10
5	QPSK	12	0	22.85	22.99	22.75	24.10
5	QPSK	12	7	22.91	22.94	22.78	24.10
5	QPSK	12	13	22.67	22.74	22.53	24.10
5	QPSK	25	0	22.73	22.85	22.79	24.10
5	16QAM	1	0	22.84	23.05	22.88	24.10
5	16QAM	1	12	22.91	22.95	22.96	24.10
5	16QAM	1	24	22.83	22.93	22.88	24.10
5	16QAM	12	0	21.86	21.99	21.77	23.10
5	16QAM	12	7	21.71	21.70	21.65	23.10
5	16QAM	12	13	21.66	21.96	21.78	23.10
5	16QAM	25	0	21.66	21.74	21.58	23.10
5	64QAM	1	0	21.99	21.95	21.89	23.10
5	64QAM	1	12	21.89	21.99	21.88	23.10
5	64QAM	1	24	21.81	21.89	21.61	23.10
5	64QAM	12	0	20.75	20.88	20.77	22.10
5	64QAM	12	7	20.78	20.89	20.61	22.10
5	64QAM	12	13	20.70	20.82	20.73	22.10
5	64QAM	25	0	20.71	20.71	20.55	22.10
5	256QAM	1	0	18.66	18.75	18.66	20.10
5	256QAM	1	12	18.68	18.77	18.54	20.10
5	256QAM	1	24	18.60	18.82	18.51	20.10
5	256QAM	12	0	18.50	18.64	18.49	20.10
5	256QAM	12	7	18.65	18.63	18.43	20.10
5	256QAM	12	13	18.58	18.67	18.51	20.10
5	256QAM	25	0	18.63	18.69	18.56	20.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.92	23.93	23.86	25.10
3	QPSK	1	8	23.70	23.79	23.59	25.10
3	QPSK	1	14	23.52	23.74	23.50	25.10
3	QPSK	8	0	22.95	22.90	22.77	24.10
3	QPSK	8	4	22.84	22.97	22.82	24.10
3	QPSK	8	7	22.67	22.81	22.53	24.10
3	QPSK	15	0	22.70	22.85	22.74	24.10
3	16QAM	1	0	22.92	23.04	22.79	24.10
3	16QAM	1	8	23.00	23.07	22.90	24.10
3	16QAM	1	14	22.81	22.90	22.82	24.10
3	16QAM	8	0	21.85	21.92	21.73	23.10
3	16QAM	8	4	21.65	21.70	21.58	23.10
3	16QAM	8	7	21.73	21.95	21.76	23.10
3	16QAM	15	0	21.61	21.74	21.68	23.10
3	64QAM	1	0	21.94	22.02	21.83	23.10
3	64QAM	1	8	21.94	21.94	21.86	23.10
3	64QAM	1	14	21.75	21.80	21.66	23.10
3	64QAM	8	0	20.82	20.91	20.80	22.10
3	64QAM	8	4	20.72	20.91	20.60	22.10
3	64QAM	8	7	20.76	20.85	20.75	22.10
3	64QAM	15	0	20.65	20.71	20.64	22.10
3	256QAM	1	0	18.69	18.79	18.62	20.10
3	256QAM	1	8	18.67	18.66	18.63	20.10
3	256QAM	1	14	18.68	18.80	18.58	20.10
3	256QAM	8	0	18.59	18.69	18.46	20.10
3	256QAM	8	4	18.65	18.75	18.50	20.10
3	256QAM	8	7	18.64	18.66	18.52	20.10
3	256QAM	15	0	18.54	18.69	18.62	20.10
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.83	23.93	23.75	25.10
1.4	QPSK	1	3	23.69	23.85	23.54	25.10
1.4	QPSK	1	5	23.58	23.63	23.44	25.10
1.4	QPSK	3	0	23.97	23.92	23.84	25.10
1.4	QPSK	3	1	23.88	23.94	23.79	25.10
1.4	QPSK	3	3	23.62	23.75	23.55	25.10
1.4	QPSK	6	0	22.78	22.96	22.73	24.10
1.4	16QAM	1	0	22.87	23.09	22.80	24.10
1.4	16QAM	1	3	22.93	22.98	22.95	24.10
1.4	16QAM	1	5	22.76	23.01	22.77	24.10
1.4	16QAM	3	0	22.80	22.94	22.86	24.10
1.4	16QAM	3	1	22.65	22.78	22.52	24.10
1.4	16QAM	3	3	22.78	22.86	22.74	24.10
1.4	16QAM	6	0	21.69	21.77	21.58	23.10
1.4	64QAM	1	0	21.90	22.00	21.86	23.10
1.4	64QAM	1	3	21.86	21.99	21.90	23.10
1.4	64QAM	1	5	21.74	21.80	21.67	23.10
1.4	64QAM	3	0	21.82	21.90	21.80	23.10
1.4	64QAM	3	1	21.74	21.82	21.68	23.10
1.4	64QAM	3	3	21.73	21.93	21.73	23.10
1.4	64QAM	6	0	20.65	20.72	20.54	22.10
1.4	256QAM	1	0	18.57	18.77	18.70	20.10
1.4	256QAM	1	3	18.62	18.77	18.55	20.10
1.4	256QAM	1	5	18.56	18.79	18.50	20.10
1.4	256QAM	3	0	18.58	18.74	18.48	20.10
1.4	256QAM	3	1	18.66	18.70	18.44	20.10
1.4	256QAM	3	3	18.60	18.71	18.50	20.10
1.4	256QAM	6	0	18.60	18.66	18.65	20.10

【LTE Band 66_Ant 1_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.95	23.98	23.88	25.10
20	QPSK	1	49	23.76	23.89	23.67	25.10
20	QPSK	1	99	23.61	23.76	23.56	25.10
20	QPSK	50	0	22.99	23.05	22.87	24.10
20	QPSK	50	24	22.95	23.00	22.89	24.10
20	QPSK	50	50	22.74	22.84	22.67	24.10
20	QPSK	100	0	22.85	22.99	22.84	24.10
20	16QAM	1	0	22.99	23.16	22.92	24.10
20	16QAM	1	49	23.04	23.09	22.97	24.10
20	16QAM	1	99	22.88	23.02	22.91	24.10
20	16QAM	50	0	21.89	22.02	21.87	23.10
20	16QAM	50	24	21.73	21.83	21.66	23.10
20	16QAM	50	50	21.81	21.99	21.82	23.10
20	16QAM	100	0	21.74	21.86	21.69	23.10
20	64QAM	1	0	22.02	22.09	21.93	23.10
20	64QAM	1	49	21.98	22.05	21.93	23.10
20	64QAM	1	99	21.86	21.92	21.76	23.10
20	64QAM	50	0	20.88	21.02	20.91	22.10
20	64QAM	50	24	20.79	20.92	20.70	22.10
20	64QAM	50	50	20.82	20.96	20.80	22.10
20	64QAM	100	0	20.75	20.81	20.68	22.10
20	256QAM	1	0	18.70	18.82	18.72	20.10
20	256QAM	1	49	18.71	18.80	18.66	20.10
20	256QAM	1	99	18.69	18.84	18.61	20.10
20	256QAM	50	0	18.61	18.75	18.58	20.10
20	256QAM	50	24	18.69	18.76	18.58	20.10
20	256QAM	50	50	18.72	18.80	18.62	20.10
20	256QAM	100	0	18.68	18.81	18.67	20.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.81	23.85	23.74	25.10
15	QPSK	1	37	23.75	23.87	23.60	25.10
15	QPSK	1	74	23.60	23.69	23.42	25.10
15	QPSK	36	0	22.86	22.91	22.80	24.10
15	QPSK	36	20	22.86	22.96	22.87	24.10
15	QPSK	36	39	22.73	22.76	22.54	24.10
15	QPSK	75	0	22.79	22.97	22.74	24.10
15	16QAM	1	0	22.88	23.02	22.89	24.10



15	16QAM	1	37	22.95	23.01	22.95	24.10
15	16QAM	1	74	22.75	22.94	22.81	24.10
15	16QAM	36	0	21.81	21.88	21.81	23.10
15	16QAM	36	20	21.64	21.73	21.64	23.10
15	16QAM	36	39	21.80	21.88	21.81	23.10
15	16QAM	75	0	21.70	21.78	21.59	23.10
15	64QAM	1	0	21.89	22.08	21.91	23.10
15	64QAM	1	37	21.85	22.04	21.84	23.10
15	64QAM	1	74	21.74	21.88	21.68	23.10
15	64QAM	36	0	20.77	20.91	20.88	22.10
15	64QAM	36	20	20.71	20.84	20.59	22.10
15	64QAM	36	39	20.75	20.91	20.73	22.10
15	64QAM	75	0	20.61	20.75	20.61	22.10
15	256QAM	1	0	18.64	18.76	18.62	20.10
15	256QAM	1	37	18.64	18.70	18.64	20.10
15	256QAM	1	74	18.61	18.75	18.58	20.10
15	256QAM	36	0	18.57	18.64	18.44	20.10
15	256QAM	36	20	18.61	18.66	18.53	20.10
15	256QAM	36	39	18.71	18.71	18.52	20.10
15	256QAM	75	0	18.64	18.72	18.62	20.10
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.84	23.87	23.73	25.10
10	QPSK	1	25	23.62	23.80	23.58	25.10
10	QPSK	1	49	23.52	23.62	23.51	25.10
10	QPSK	25	0	22.97	23.03	22.82	24.10
10	QPSK	25	12	22.85	22.94	22.87	24.10
10	QPSK	25	25	22.65	22.76	22.63	24.10
10	QPSK	50	0	22.81	22.93	22.83	24.10
10	16QAM	1	0	22.94	23.05	22.86	24.10
10	16QAM	1	25	22.93	23.05	22.87	24.10
10	16QAM	1	49	22.87	22.90	22.89	24.10
10	16QAM	25	0	21.81	21.97	21.78	23.10
10	16QAM	25	12	21.67	21.78	21.58	23.10
10	16QAM	25	25	21.78	21.96	21.69	23.10
10	16QAM	50	0	21.71	21.83	21.67	23.10
10	64QAM	1	0	21.95	22.02	21.86	23.10
10	64QAM	1	25	21.87	21.90	21.80	23.10
10	64QAM	1	49	21.85	21.88	21.71	23.10
10	64QAM	25	0	20.76	20.89	20.84	22.10
10	64QAM	25	12	20.66	20.80	20.67	22.10
10	64QAM	25	25	20.68	20.95	20.77	22.10
10	64QAM	50	0	20.60	20.71	20.55	22.10
10	256QAM	1	0	18.59	18.76	18.61	20.10
10	256QAM	1	25	18.69	18.69	18.53	20.10
10	256QAM	1	49	18.55	18.79	18.58	20.10
10	256QAM	25	0	18.50	18.68	18.50	20.10
10	256QAM	25	12	18.63	18.71	18.52	20.10
10	256QAM	25	25	18.64	18.70	18.61	20.10
10	256QAM	50	0	18.63	18.75	18.53	20.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.89	23.88	23.86	25.10
5	QPSK	1	12	23.74	23.79	23.61	25.10
5	QPSK	1	24	23.56	23.69	23.42	25.10
5	QPSK	12	0	22.85	22.99	22.75	24.10
5	QPSK	12	7	22.91	22.94	22.78	24.10
5	QPSK	12	13	22.67	22.74	22.53	24.10
5	QPSK	25	0	22.73	22.85	22.79	24.10
5	16QAM	1	0	22.84	23.05	22.88	24.10
5	16QAM	1	12	22.91	22.95	22.96	24.10
5	16QAM	1	24	22.83	22.93	22.88	24.10
5	16QAM	12	0	21.86	21.99	21.77	23.10
5	16QAM	12	7	21.71	21.70	21.65	23.10
5	16QAM	12	13	21.66	21.96	21.78	23.10
5	16QAM	25	0	21.66	21.74	21.58	23.10
5	64QAM	1	0	21.99	21.95	21.89	23.10
5	64QAM	1	12	21.89	21.99	21.88	23.10
5	64QAM	1	24	21.81	21.89	21.61	23.10
5	64QAM	12	0	20.75	20.88	20.77	22.10
5	64QAM	12	7	20.78	20.89	20.61	22.10
5	64QAM	12	13	20.70	20.82	20.73	22.10
5	64QAM	25	0	20.71	20.71	20.55	22.10
5	256QAM	1	0	18.66	18.75	18.66	20.10
5	256QAM	1	12	18.68	18.77	18.54	20.10
5	256QAM	1	24	18.60	18.82	18.51	20.10
5	256QAM	12	0	18.50	18.64	18.49	20.10
5	256QAM	12	7	18.65	18.63	18.43	20.10



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5	256QAM	12	13	18.58	18.67	18.51	20.10
5	256QAM	25	0	18.63	18.69	18.56	20.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.92	23.93	23.86	25.10
3	QPSK	1	8	23.70	23.79	23.59	25.10
3	QPSK	1	14	23.52	23.74	23.50	25.10
3	QPSK	8	0	22.95	22.90	22.77	24.10
3	QPSK	8	4	22.84	22.97	22.82	24.10
3	QPSK	8	7	22.67	22.81	22.53	24.10
3	QPSK	15	0	22.70	22.85	22.74	24.10
3	16QAM	1	0	22.92	23.04	22.79	24.10
3	16QAM	1	8	23.00	23.07	22.90	24.10
3	16QAM	1	14	22.81	22.90	22.82	24.10
3	16QAM	8	0	21.85	21.92	21.73	23.10
3	16QAM	8	4	21.65	21.70	21.58	23.10
3	16QAM	8	7	21.73	21.95	21.76	23.10
3	16QAM	15	0	21.61	21.74	21.68	23.10
3	64QAM	1	0	21.94	22.02	21.83	23.10
3	64QAM	1	8	21.94	21.94	21.86	23.10
3	64QAM	1	14	21.75	21.80	21.66	23.10
3	64QAM	8	0	20.82	20.91	20.80	22.10
3	64QAM	8	4	20.72	20.91	20.60	22.10
3	64QAM	8	7	20.76	20.85	20.75	22.10
3	64QAM	15	0	20.65	20.71	20.64	22.10
3	256QAM	1	0	18.69	18.79	18.62	20.10
3	256QAM	1	8	18.67	18.66	18.63	20.10
3	256QAM	1	14	18.68	18.80	18.58	20.10
3	256QAM	8	0	18.59	18.69	18.46	20.10
3	256QAM	8	4	18.65	18.75	18.50	20.10
3	256QAM	8	7	18.64	18.66	18.52	20.10
3	256QAM	15	0	18.54	18.69	18.62	20.10
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.83	23.93	23.75	25.10
1.4	QPSK	1	3	23.69	23.85	23.54	25.10
1.4	QPSK	1	5	23.58	23.63	23.44	25.10
1.4	QPSK	3	0	23.97	23.92	23.84	25.10
1.4	QPSK	3	1	23.88	23.94	23.79	25.10
1.4	QPSK	3	3	23.62	23.75	23.55	25.10
1.4	QPSK	6	0	22.78	22.96	22.73	24.10
1.4	16QAM	1	0	22.87	23.09	22.80	24.10
1.4	16QAM	1	3	22.93	22.98	22.95	24.10
1.4	16QAM	1	5	22.76	23.01	22.77	24.10
1.4	16QAM	3	0	22.80	22.94	22.86	24.10
1.4	16QAM	3	1	22.65	22.78	22.52	24.10
1.4	16QAM	3	3	22.78	22.86	22.74	24.10
1.4	16QAM	6	0	21.69	21.77	21.58	23.10
1.4	64QAM	1	0	21.90	22.00	21.86	23.10
1.4	64QAM	1	3	21.86	21.99	21.90	23.10
1.4	64QAM	1	5	21.74	21.80	21.67	23.10
1.4	64QAM	3	0	21.82	21.90	21.80	23.10
1.4	64QAM	3	1	21.74	21.82	21.68	23.10
1.4	64QAM	3	3	21.73	21.93	21.73	23.10
1.4	64QAM	6	0	20.65	20.72	20.54	22.10
1.4	256QAM	1	0	18.57	18.77	18.70	20.10
1.4	256QAM	1	3	18.62	18.77	18.55	20.10
1.4	256QAM	1	5	18.56	18.79	18.50	20.10
1.4	256QAM	3	0	18.58	18.74	18.48	20.10
1.4	256QAM	3	1	18.66	18.70	18.44	20.10
1.4	256QAM	3	3	18.60	18.71	18.50	20.10
1.4	256QAM	6	0	18.60	18.66	18.65	20.10



【LTE Band 66_Ant 1_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.99	18.12	18.02	19.40
20	QPSK	1	49	17.91	17.90	17.95	19.40
20	QPSK	1	99	17.89	18.04	17.84	19.40
20	QPSK	50	0	17.90	18.00	17.89	19.40
20	QPSK	50	24	17.70	17.89	17.86	19.40
20	QPSK	50	50	17.81	17.88	17.69	19.40
20	QPSK	100	0	17.50	17.90	17.61	19.40
20	16QAM	1	0	17.73	17.81	17.77	19.40
20	16QAM	1	49	17.80	17.75	17.93	19.40
20	16QAM	1	99	17.78	17.75	17.80	19.40
20	16QAM	50	0	17.87	17.76	17.79	19.40
20	16QAM	50	24	17.90	17.77	17.92	19.40
20	16QAM	50	50	17.89	17.82	17.95	19.40
20	16QAM	100	0	17.79	18.06	17.97	19.40
20	64QAM	1	0	17.90	17.87	17.94	19.40
20	64QAM	1	49	17.82	17.84	17.80	19.40
20	64QAM	1	99	17.86	17.93	17.86	19.40
20	64QAM	50	0	17.87	17.82	17.78	19.40
20	64QAM	50	24	17.80	17.90	17.71	19.40
20	64QAM	50	50	17.78	17.87	18.01	19.40
20	64QAM	100	0	17.91	17.86	17.92	19.40
20	256QAM	1	0	17.82	18.08	17.89	19.40
20	256QAM	1	49	17.76	17.99	17.89	19.40
20	256QAM	1	99	17.92	17.88	17.84	19.40
20	256QAM	50	0	17.90	18.09	17.80	19.40
20	256QAM	50	24	17.70	17.87	17.93	19.40
20	256QAM	50	50	17.81	17.80	17.93	19.40
20	256QAM	100	0	17.84	17.83	17.98	19.40
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.79	18.08	17.88	19.40
15	QPSK	1	37	17.88	17.87	17.87	19.40
15	QPSK	1	74	17.74	17.99	17.71	19.40
15	QPSK	36	0	17.75	17.89	17.87	19.40
15	QPSK	36	20	17.63	17.82	17.79	19.40
15	QPSK	36	39	17.69	17.75	17.66	19.40
15	QPSK	75	0	17.40	17.82	17.58	19.40
15	16QAM	1	0	17.70	17.69	17.71	19.40
15	16QAM	1	37	17.69	17.64	17.84	19.40
15	16QAM	1	74	17.76	17.65	17.76	19.40
15	16QAM	36	0	17.75	17.65	17.71	19.40
15	16QAM	36	20	17.87	17.73	17.79	19.40
15	16QAM	36	39	17.87	17.71	17.82	19.40
15	16QAM	75	0	17.65	17.93	17.83	19.40
15	64QAM	1	0	17.76	17.84	17.93	19.40
15	64QAM	1	37	17.76	17.80	17.71	19.40
15	64QAM	1	74	17.75	17.90	17.71	19.40
15	64QAM	36	0	17.82	17.74	17.67	19.40
15	64QAM	36	20	17.65	17.85	17.65	19.40
15	64QAM	36	39	17.69	17.72	17.91	19.40
15	64QAM	75	0	17.79	17.81	17.87	19.40
15	256QAM	1	0	17.78	18.00	17.82	19.40
15	256QAM	1	37	17.64	17.88	17.78	19.40
15	256QAM	1	74	17.77	17.81	17.71	19.40
15	256QAM	36	0	17.78	18.05	17.74	19.40
15	256QAM	36	20	17.68	17.73	17.88	19.40
15	256QAM	36	39	17.72	17.73	17.86	19.40
15	256QAM	75	0	17.76	17.69	17.88	19.40
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.77	18.00	17.98	19.40
10	QPSK	1	25	17.77	17.86	17.88	19.40
10	QPSK	1	49	17.84	18.03	17.75	19.40
10	QPSK	25	0	17.82	17.99	17.81	19.40
10	QPSK	25	12	17.61	17.74	17.73	19.40
10	QPSK	25	25	17.71	17.79	17.64	19.40
10	QPSK	50	0	17.40	17.87	17.46	19.40
10	16QAM	1	0	17.70	17.74	17.74	19.40
10	16QAM	1	25	17.74	17.67	17.82	19.40
10	16QAM	1	49	17.71	17.72	17.76	19.40
10	16QAM	25	0	17.74	17.68	17.77	19.40



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10	16QAM	25	12	17.78	17.72	17.79	19.40
10	16QAM	25	25	17.88	17.71	17.81	19.40
10	16QAM	50	0	17.67	17.94	17.89	19.40
10	64QAM	1	0	17.88	17.80	17.83	19.40
10	64QAM	1	25	17.71	17.70	17.69	19.40
10	64QAM	1	49	17.81	17.88	17.79	19.40
10	64QAM	25	0	17.75	17.80	17.64	19.40
10	64QAM	25	12	17.74	17.81	17.58	19.40
10	64QAM	25	25	17.69	17.80	17.87	19.40
10	64QAM	50	0	17.87	17.81	17.79	19.40
10	256QAM	1	0	17.77	17.98	17.80	19.40
10	256QAM	1	25	17.66	17.97	17.76	19.40
10	256QAM	1	49	17.84	17.81	17.75	19.40
10	256QAM	25	0	17.78	18.01	17.72	19.40
10	256QAM	25	12	17.63	17.82	17.83	19.40
10	256QAM	25	25	17.77	17.74	17.86	19.40
10	256QAM	50	0	17.71	17.76	17.97	19.40
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.89	18.03	17.92	19.40
5	QPSK	1	12	17.81	17.82	17.92	19.40
5	QPSK	1	24	17.76	17.99	17.79	19.40
5	QPSK	12	0	17.85	17.92	17.78	19.40
5	QPSK	12	7	17.62	17.79	17.82	19.40
5	QPSK	12	13	17.73	17.85	17.64	19.40
5	QPSK	25	0	17.46	17.89	17.54	19.40
5	16QAM	1	0	17.65	17.79	17.73	19.40
5	16QAM	1	12	17.73	17.66	17.89	19.40
5	16QAM	1	24	17.71	17.61	17.78	19.40
5	16QAM	12	0	17.81	17.73	17.70	19.40
5	16QAM	12	7	17.85	17.64	17.81	19.40
5	16QAM	12	13	17.78	17.78	17.81	19.40
5	16QAM	25	0	17.76	17.96	17.86	19.40
5	64QAM	1	0	17.85	17.78	17.85	19.40
5	64QAM	1	12	17.80	17.75	17.67	19.40
5	64QAM	1	24	17.74	17.83	17.72	19.40
5	64QAM	12	0	17.72	17.79	17.69	19.40
5	64QAM	12	7	17.67	17.76	17.58	19.40
5	64QAM	12	13	17.69	17.77	17.92	19.40
5	64QAM	25	0	17.85	17.71	17.82	19.40
5	256QAM	1	0	17.68	17.97	17.77	19.40
5	256QAM	1	12	17.75	17.87	17.80	19.40
5	256QAM	1	24	17.78	17.74	17.79	19.40
5	256QAM	12	0	17.87	18.08	17.69	19.40
5	256QAM	12	7	17.63	17.82	17.90	19.40
5	256QAM	12	13	17.75	17.76	17.85	19.40
5	256QAM	25	0	17.71	17.73	17.93	19.40
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.85	18.00	17.95	19.40
3	QPSK	1	8	17.87	17.85	17.86	19.40
3	QPSK	1	14	17.80	17.99	17.83	19.40
3	QPSK	8	0	17.79	17.87	17.75	19.40
3	QPSK	8	4	17.68	17.86	17.74	19.40
3	QPSK	8	7	17.75	17.81	17.68	19.40
3	QPSK	15	0	17.48	17.80	17.52	19.40
3	16QAM	1	0	17.66	17.73	17.74	19.40
3	16QAM	1	8	17.78	17.63	17.81	19.40
3	16QAM	1	14	17.69	17.67	17.76	19.40
3	16QAM	8	0	17.85	17.71	17.77	19.40
3	16QAM	8	4	17.80	17.71	17.87	19.40
3	16QAM	8	7	17.75	17.76	17.92	19.40
3	16QAM	15	0	17.71	18.04	17.88	19.40
3	64QAM	1	0	17.78	17.79	17.88	19.40
3	64QAM	1	8	17.78	17.77	17.72	19.40
3	64QAM	1	14	17.78	17.87	17.81	19.40
3	64QAM	8	0	17.74	17.76	17.73	19.40
3	64QAM	8	4	17.65	17.87	17.63	19.40
3	64QAM	8	7	17.64	17.77	17.96	19.40
3	64QAM	15	0	17.79	17.73	17.86	19.40
3	256QAM	1	0	17.80	17.96	17.78	19.40
3	256QAM	1	8	17.65	17.91	17.79	19.40
3	256QAM	1	14	17.79	17.76	17.80	19.40
3	256QAM	8	0	17.81	18.01	17.67	19.40
3	256QAM	8	4	17.59	17.83	17.86	19.40
3	256QAM	8	7	17.67	17.71	17.89	19.40
3	256QAM	15	0	17.71	17.76	17.86	19.40
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	17.78	18.08	17.87	19.40
1.4	QPSK	1	3	17.89	17.88	17.80	19.40
1.4	QPSK	1	5	17.82	17.97	17.81	19.40
1.4	QPSK	3	0	17.79	17.89	17.75	19.40
1.4	QPSK	3	1	17.61	17.83	17.74	19.40
1.4	QPSK	3	3	17.72	17.85	17.57	19.40
1.4	QPSK	6	0	17.46	17.77	17.47	19.40
1.4	16QAM	1	0	17.59	17.79	17.63	19.40
1.4	16QAM	1	3	17.73	17.66	17.90	19.40
1.4	16QAM	1	5	17.71	17.66	17.74	19.40
1.4	16QAM	3	0	17.77	17.66	17.69	19.40
1.4	16QAM	3	1	17.85	17.73	17.86	19.40
1.4	16QAM	3	3	17.78	17.67	17.80	19.40
1.4	16QAM	6	0	17.68	18.01	17.85	19.40
1.4	64QAM	1	0	17.81	17.85	17.83	19.40
1.4	64QAM	1	3	17.71	17.83	17.75	19.40
1.4	64QAM	1	5	17.74	17.82	17.74	19.40
1.4	64QAM	3	0	17.84	17.78	17.76	19.40
1.4	64QAM	3	1	17.78	17.78	17.62	19.40
1.4	64QAM	3	3	17.68	17.81	17.96	19.40
1.4	64QAM	6	0	17.87	17.78	17.85	19.40
1.4	256QAM	1	0	17.68	18.06	17.81	19.40
1.4	256QAM	1	3	17.73	17.89	17.77	19.40
1.4	256QAM	1	5	17.91	17.74	17.77	19.40
1.4	256QAM	3	0	17.81	18.06	17.73	19.40
1.4	256QAM	3	1	17.64	17.73	17.87	19.40
1.4	256QAM	3	3	17.72	17.66	17.83	19.40
1.4	256QAM	6	0	17.82	17.73	17.88	19.40

【LTE Band 66_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.20	24.29	24.18	25.10
20	QPSK	1	49	23.91	24.09	23.98	25.10
20	QPSK	1	99	23.90	23.88	23.72	25.10
20	QPSK	50	0	23.25	23.35	23.19	24.10
20	QPSK	50	24	23.08	23.20	23.04	24.10
20	QPSK	50	50	22.97	23.16	22.85	24.10
20	QPSK	100	0	23.18	23.27	23.15	24.10
20	16QAM	1	0	23.14	23.35	23.07	24.10
20	16QAM	1	49	23.24	23.39	23.17	24.10
20	16QAM	1	99	23.01	23.25	23.15	24.10
20	16QAM	50	0	22.09	22.28	22.00	23.10
20	16QAM	50	24	22.04	22.14	21.90	23.10
20	16QAM	50	50	22.04	22.15	22.00	23.10
20	16QAM	100	0	22.02	22.11	21.98	23.10
20	64QAM	1	0	22.33	22.33	22.18	23.10
20	64QAM	1	49	22.23	22.28	22.15	23.10
20	64QAM	1	99	22.15	22.11	21.91	23.10
20	64QAM	50	0	21.20	21.21	21.15	22.10
20	64QAM	50	24	21.10	21.20	20.95	22.10
20	64QAM	50	50	20.94	21.18	21.08	22.10
20	64QAM	100	0	20.93	20.95	20.98	22.10
20	256QAM	1	0	19.01	19.17	19.05	20.10
20	256QAM	1	49	19.02	19.23	19.06	20.10
20	256QAM	1	99	19.06	19.22	19.11	20.10
20	256QAM	50	0	19.14	19.24	19.08	20.10
20	256QAM	50	24	19.07	19.21	18.99	20.10
20	256QAM	50	50	18.95	19.15	19.03	20.10
20	256QAM	100	0	18.93	19.05	18.88	20.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.12	24.23	24.04	25.10
15	QPSK	1	37	23.81	23.95	23.83	25.10
15	QPSK	1	74	23.83	23.83	23.68	25.10
15	QPSK	36	0	23.12	23.30	23.16	24.10
15	QPSK	36	20	23.00	23.05	23.00	24.10
15	QPSK	36	39	22.94	23.12	22.80	24.10
15	QPSK	75	0	23.06	23.24	23.02	24.10
15	16QAM	1	0	23.00	23.28	22.98	24.10



15	16QAM	1	37	23.12	23.27	23.07	24.10
15	16QAM	1	74	23.00	23.20	23.02	24.10
15	16QAM	36	0	21.98	22.25	21.97	23.10
15	16QAM	36	20	21.95	22.02	21.82	23.10
15	16QAM	36	39	21.97	22.04	21.92	23.10
15	16QAM	75	0	21.94	22.00	21.96	23.10
15	64QAM	1	0	22.30	22.26	22.08	23.10
15	64QAM	1	37	22.15	22.23	22.01	23.10
15	64QAM	1	74	22.14	22.01	21.86	23.10
15	64QAM	36	0	21.15	21.19	21.10	22.10
15	64QAM	36	20	20.99	21.06	20.84	22.10
15	64QAM	36	39	20.91	21.07	21.03	22.10
15	64QAM	75	0	20.91	20.81	20.91	22.10
15	256QAM	1	0	18.92	19.09	18.91	20.10
15	256QAM	1	37	18.91	19.20	18.95	20.10
15	256QAM	1	74	18.96	19.18	19.08	20.10
15	256QAM	36	0	19.06	19.16	18.99	20.10
15	256QAM	36	20	19.02	19.19	18.91	20.10
15	256QAM	36	39	18.81	19.05	18.92	20.10
15	256QAM	75	0	18.88	18.91	18.84	20.10
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	24.17	24.21	24.06	25.10
10	QPSK	1	25	23.80	23.97	23.94	25.10
10	QPSK	1	49	23.82	23.84	23.64	25.10
10	QPSK	25	0	23.20	23.32	23.18	24.10
10	QPSK	25	12	22.97	23.11	22.95	24.10
10	QPSK	25	25	22.94	23.12	22.72	24.10
10	QPSK	50	0	23.10	23.23	23.12	24.10
10	16QAM	1	0	23.10	23.25	23.04	24.10
10	16QAM	1	25	23.18	23.37	23.09	24.10
10	16QAM	1	49	22.89	23.18	23.09	24.10
10	16QAM	25	0	21.96	22.25	21.87	23.10
10	16QAM	25	12	21.94	22.02	21.80	23.10
10	16QAM	25	25	21.90	22.11	21.88	23.10
10	16QAM	50	0	21.89	22.04	21.87	23.10
10	64QAM	1	0	22.20	22.19	22.10	23.10
10	64QAM	1	25	22.12	22.24	22.12	23.10
10	64QAM	1	49	22.01	22.02	21.89	23.10
10	64QAM	25	0	21.09	21.17	21.10	22.10
10	64QAM	25	12	21.01	21.08	20.83	22.10
10	64QAM	25	25	20.87	21.10	21.02	22.10
10	64QAM	50	0	20.89	20.94	20.95	22.10
10	256QAM	1	0	19.00	19.13	18.95	20.10
10	256QAM	1	25	18.91	19.20	18.99	20.10
10	256QAM	1	49	19.03	19.08	19.08	20.10
10	256QAM	25	0	19.03	19.13	18.95	20.10
10	256QAM	25	12	18.98	19.18	18.84	20.10
10	256QAM	25	25	18.85	19.07	19.00	20.10
10	256QAM	50	0	18.79	18.99	18.83	20.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	24.18	24.26	24.14	25.10
5	QPSK	1	12	23.82	24.04	23.97	25.10
5	QPSK	1	24	23.76	23.78	23.65	25.10
5	QPSK	12	0	23.18	23.28	23.14	24.10
5	QPSK	12	7	22.98	23.08	22.99	24.10
5	QPSK	12	13	22.84	23.03	22.83	24.10
5	QPSK	25	0	23.14	23.25	23.08	24.10
5	16QAM	1	0	23.04	23.30	23.05	24.10
5	16QAM	1	12	23.15	23.34	23.11	24.10
5	16QAM	1	24	22.98	23.22	23.04	24.10
5	16QAM	12	0	22.07	22.25	21.99	23.10
5	16QAM	12	7	21.94	22.12	21.87	23.10
5	16QAM	12	13	21.91	22.09	21.87	23.10
5	16QAM	25	0	21.87	22.04	21.84	23.10
5	64QAM	1	0	22.29	22.26	22.11	23.10
5	64QAM	1	12	22.13	22.20	22.05	23.10
5	64QAM	1	24	22.03	21.97	21.90	23.10
5	64QAM	12	0	21.09	21.08	21.02	22.10
5	64QAM	12	7	21.01	21.15	20.83	22.10
5	64QAM	12	13	20.89	21.10	20.98	22.10
5	64QAM	25	0	20.83	20.88	20.87	22.10
5	256QAM	1	0	18.96	19.06	19.00	20.10
5	256QAM	1	12	18.92	19.15	18.98	20.10
5	256QAM	1	24	18.96	19.20	18.98	20.10
5	256QAM	12	0	19.06	19.16	18.96	20.10
5	256QAM	12	7	18.96	19.16	18.85	20.10



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5	256QAM	12	13	18.89	19.14	19.01	20.10
5	256QAM	25	0	18.81	18.95	18.77	20.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.17	24.20	24.08	25.10
3	QPSK	1	8	23.87	24.08	23.86	25.10
3	QPSK	1	14	23.78	23.79	23.70	25.10
3	QPSK	8	0	23.17	23.28	23.10	24.10
3	QPSK	8	4	23.05	23.14	23.00	24.10
3	QPSK	8	7	22.90	23.06	22.80	24.10
3	QPSK	15	0	23.11	23.20	23.05	24.10
3	16QAM	1	0	23.09	23.33	22.98	24.10
3	16QAM	1	8	23.14	23.25	23.09	24.10
3	16QAM	1	14	22.91	23.21	23.03	24.10
3	16QAM	8	0	21.99	22.27	21.92	23.10
3	16QAM	8	4	21.95	22.04	21.86	23.10
3	16QAM	8	7	22.02	22.10	21.86	23.10
3	16QAM	15	0	21.98	21.99	21.92	23.10
3	64QAM	1	0	22.28	22.19	22.06	23.10
3	64QAM	1	8	22.13	22.22	22.04	23.10
3	64QAM	1	14	22.09	22.05	21.76	23.10
3	64QAM	8	0	21.08	21.11	21.09	22.10
3	64QAM	8	4	20.98	21.14	20.91	22.10
3	64QAM	8	7	20.93	21.10	21.00	22.10
3	64QAM	15	0	20.88	20.88	20.94	22.10
3	256QAM	1	0	18.86	19.09	18.98	20.10
3	256QAM	1	8	18.98	19.11	18.93	20.10
3	256QAM	1	14	18.98	19.10	19.09	20.10
3	256QAM	8	0	19.08	19.18	18.95	20.10
3	256QAM	8	4	18.97	19.06	18.96	20.10
3	256QAM	8	7	18.82	19.11	18.95	20.10
3	256QAM	15	0	18.80	18.92	18.76	20.10
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	24.07	24.14	24.12	25.10
1.4	QPSK	1	3	23.79	24.01	23.87	25.10
1.4	QPSK	1	5	23.75	23.80	23.62	25.10
1.4	QPSK	3	0	24.23	24.27	24.04	25.10
1.4	QPSK	3	1	24.03	24.08	24.01	25.10
1.4	QPSK	3	3	23.86	24.13	23.71	25.10
1.4	QPSK	6	0	23.15	23.25	23.06	24.10
1.4	16QAM	1	0	23.02	23.27	23.05	24.10
1.4	16QAM	1	3	23.22	23.31	23.08	24.10
1.4	16QAM	1	5	22.92	23.14	23.14	24.10
1.4	16QAM	3	0	23.07	23.19	22.87	24.10
1.4	16QAM	3	1	23.02	23.01	22.87	24.10
1.4	16QAM	3	3	22.90	23.01	22.86	24.10
1.4	16QAM	6	0	21.93	22.06	21.91	23.10
1.4	64QAM	1	0	22.25	22.30	22.12	23.10
1.4	64QAM	1	3	22.18	22.22	22.02	23.10
1.4	64QAM	1	5	22.09	22.06	21.78	23.10
1.4	64QAM	3	0	22.05	22.18	22.07	23.10
1.4	64QAM	3	1	22.06	22.10	21.84	23.10
1.4	64QAM	3	3	21.84	22.12	22.00	23.10
1.4	64QAM	6	0	20.87	20.93	20.93	22.10
1.4	256QAM	1	0	18.98	19.13	19.00	20.10
1.4	256QAM	1	3	18.91	19.20	18.98	20.10
1.4	256QAM	1	5	19.03	19.13	19.06	20.10
1.4	256QAM	3	0	19.09	19.20	18.97	20.10
1.4	256QAM	3	1	18.97	19.06	18.92	20.10
1.4	256QAM	3	3	18.81	19.10	18.94	20.10
1.4	256QAM	6	0	18.79	18.95	18.80	20.10



【LTE Band 66_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.20	24.29	24.18	25.10
20	QPSK	1	49	23.91	24.09	23.98	25.10
20	QPSK	1	99	23.90	23.88	23.72	25.10
20	QPSK	50	0	23.25	23.35	23.19	24.10
20	QPSK	50	24	23.08	23.20	23.04	24.10
20	QPSK	50	50	22.97	23.16	22.85	24.10
20	QPSK	100	0	23.18	23.27	23.15	24.10
20	16QAM	1	0	23.14	23.35	23.07	24.10
20	16QAM	1	49	23.24	23.39	23.17	24.10
20	16QAM	1	99	23.01	23.25	23.15	24.10
20	16QAM	50	0	22.09	22.28	22.00	23.10
20	16QAM	50	24	22.04	22.14	21.90	23.10
20	16QAM	50	50	22.04	22.15	22.00	23.10
20	16QAM	100	0	22.02	22.11	21.98	23.10
20	64QAM	1	0	22.33	22.33	22.18	23.10
20	64QAM	1	49	22.23	22.28	22.15	23.10
20	64QAM	1	99	22.15	22.11	21.91	23.10
20	64QAM	50	0	21.20	21.21	21.15	22.10
20	64QAM	50	24	21.10	21.20	20.95	22.10
20	64QAM	50	50	20.94	21.18	21.08	22.10
20	64QAM	100	0	20.93	20.95	20.98	22.10
20	256QAM	1	0	19.01	19.17	19.05	20.10
20	256QAM	1	49	19.02	19.23	19.06	20.10
20	256QAM	1	99	19.06	19.22	19.11	20.10
20	256QAM	50	0	19.14	19.24	19.08	20.10
20	256QAM	50	24	19.07	19.21	18.99	20.10
20	256QAM	50	50	18.95	19.15	19.03	20.10
20	256QAM	100	0	18.93	19.05	18.88	20.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.12	24.23	24.04	25.10
15	QPSK	1	37	23.81	23.95	23.83	25.10
15	QPSK	1	74	23.83	23.83	23.68	25.10
15	QPSK	36	0	23.12	23.30	23.16	24.10
15	QPSK	36	20	23.00	23.05	23.00	24.10
15	QPSK	36	39	22.94	23.12	22.80	24.10
15	QPSK	75	0	23.06	23.24	23.02	24.10
15	16QAM	1	0	23.00	23.28	22.98	24.10
15	16QAM	1	37	23.12	23.27	23.07	24.10
15	16QAM	1	74	23.00	23.20	23.02	24.10
15	16QAM	36	0	21.98	22.25	21.97	23.10
15	16QAM	36	20	21.95	22.02	21.82	23.10
15	16QAM	36	39	21.97	22.04	21.92	23.10
15	16QAM	75	0	21.94	22.00	21.96	23.10
15	64QAM	1	0	22.30	22.26	22.08	23.10
15	64QAM	1	37	22.15	22.23	22.01	23.10
15	64QAM	1	74	22.14	22.01	21.86	23.10
15	64QAM	36	0	21.15	21.19	21.10	22.10
15	64QAM	36	20	20.99	21.06	20.84	22.10
15	64QAM	36	39	20.91	21.07	21.03	22.10
15	64QAM	75	0	20.91	20.81	20.91	22.10
15	256QAM	1	0	18.92	19.09	18.91	20.10
15	256QAM	1	37	18.91	19.20	18.95	20.10
15	256QAM	1	74	18.96	19.18	19.08	20.10
15	256QAM	36	0	19.06	19.16	18.99	20.10
15	256QAM	36	20	19.02	19.19	18.91	20.10
15	256QAM	36	39	18.81	19.05	18.92	20.10
15	256QAM	75	0	18.88	18.91	18.84	20.10
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.17	24.21	24.06	25.10
10	QPSK	1	25	23.80	23.97	23.94	25.10
10	QPSK	1	49	23.82	23.84	23.64	25.10
10	QPSK	25	0	23.20	23.32	23.18	24.10
10	QPSK	25	12	22.97	23.11	22.95	24.10
10	QPSK	25	25	22.94	23.12	22.72	24.10
10	QPSK	50	0	23.10	23.23	23.12	24.10
10	16QAM	1	0	23.10	23.25	23.04	24.10
10	16QAM	1	25	23.18	23.37	23.09	24.10
10	16QAM	1	49	22.89	23.18	23.09	24.10
10	16QAM	25	0	21.96	22.25	21.87	23.10



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10	16QAM	25	12	21.94	22.02	21.80	23.10
10	16QAM	25	25	21.90	22.11	21.88	23.10
10	16QAM	50	0	21.89	22.04	21.87	23.10
10	64QAM	1	0	22.20	22.19	22.10	23.10
10	64QAM	1	25	22.12	22.24	22.12	23.10
10	64QAM	1	49	22.01	22.02	21.89	23.10
10	64QAM	25	0	21.09	21.17	21.10	22.10
10	64QAM	25	12	21.01	21.08	20.83	22.10
10	64QAM	25	25	20.87	21.10	21.02	22.10
10	64QAM	50	0	20.89	20.94	20.95	22.10
10	256QAM	1	0	19.00	19.13	18.95	20.10
10	256QAM	1	25	18.91	19.20	18.99	20.10
10	256QAM	1	49	19.03	19.08	19.08	20.10
10	256QAM	25	0	19.03	19.13	18.95	20.10
10	256QAM	25	12	18.98	19.18	18.84	20.10
10	256QAM	25	25	18.85	19.07	19.00	20.10
10	256QAM	50	0	18.79	18.99	18.83	20.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	24.18	24.26	24.14	25.10
5	QPSK	1	12	23.82	24.04	23.97	25.10
5	QPSK	1	24	23.76	23.78	23.65	25.10
5	QPSK	12	0	23.18	23.28	23.14	24.10
5	QPSK	12	7	22.98	23.08	22.99	24.10
5	QPSK	12	13	22.84	23.03	22.83	24.10
5	QPSK	25	0	23.14	23.25	23.08	24.10
5	16QAM	1	0	23.04	23.30	23.05	24.10
5	16QAM	1	12	23.15	23.34	23.11	24.10
5	16QAM	1	24	22.98	23.22	23.04	24.10
5	16QAM	12	0	22.07	22.25	21.99	23.10
5	16QAM	12	7	21.94	22.12	21.87	23.10
5	16QAM	12	13	21.91	22.09	21.87	23.10
5	16QAM	25	0	21.87	22.04	21.84	23.10
5	64QAM	1	0	22.29	22.26	22.11	23.10
5	64QAM	1	12	22.13	22.20	22.05	23.10
5	64QAM	1	24	22.03	21.97	21.90	23.10
5	64QAM	12	0	21.09	21.08	21.02	22.10
5	64QAM	12	7	21.01	21.15	20.83	22.10
5	64QAM	12	13	20.89	21.10	20.98	22.10
5	64QAM	25	0	20.83	20.88	20.87	22.10
5	256QAM	1	0	18.96	19.06	19.00	20.10
5	256QAM	1	12	18.92	19.15	18.98	20.10
5	256QAM	1	24	18.96	19.20	18.98	20.10
5	256QAM	12	0	19.06	19.16	18.96	20.10
5	256QAM	12	7	18.96	19.16	18.85	20.10
5	256QAM	12	13	18.89	19.14	19.01	20.10
5	256QAM	25	0	18.81	18.95	18.77	20.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.17	24.20	24.08	25.10
3	QPSK	1	8	23.87	24.08	23.86	25.10
3	QPSK	1	14	23.78	23.79	23.70	25.10
3	QPSK	8	0	23.17	23.28	23.10	24.10
3	QPSK	8	4	23.05	23.14	23.00	24.10
3	QPSK	8	7	22.90	23.06	22.80	24.10
3	QPSK	15	0	23.11	23.20	23.05	24.10
3	16QAM	1	0	23.09	23.33	22.98	24.10
3	16QAM	1	8	23.14	23.25	23.09	24.10
3	16QAM	1	14	22.91	23.21	23.03	24.10
3	16QAM	8	0	21.99	22.27	21.92	23.10
3	16QAM	8	4	21.95	22.04	21.86	23.10
3	16QAM	8	7	22.02	22.10	21.86	23.10
3	16QAM	15	0	21.98	21.99	21.92	23.10
3	64QAM	1	0	22.28	22.19	22.06	23.10
3	64QAM	1	8	22.13	22.22	22.04	23.10
3	64QAM	1	14	22.09	22.05	21.76	23.10
3	64QAM	8	0	21.08	21.11	21.09	22.10
3	64QAM	8	4	20.98	21.14	20.91	22.10
3	64QAM	8	7	20.93	21.10	21.00	22.10
3	64QAM	15	0	20.88	20.88	20.94	22.10
3	256QAM	1	0	18.86	19.09	18.98	20.10
3	256QAM	1	8	18.98	19.11	18.93	20.10
3	256QAM	1	14	18.98	19.10	19.09	20.10
3	256QAM	8	0	19.08	19.18	18.95	20.10
3	256QAM	8	4	18.97	19.06	18.96	20.10
3	256QAM	8	7	18.82	19.11	18.95	20.10
3	256QAM	15	0	18.80	18.92	18.76	20.10
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	24.07	24.14	24.12	25.10
1.4	QPSK	1	3	23.79	24.01	23.87	25.10
1.4	QPSK	1	5	23.75	23.80	23.62	25.10
1.4	QPSK	3	0	24.23	24.27	24.04	25.10
1.4	QPSK	3	1	24.03	24.08	24.01	25.10
1.4	QPSK	3	3	23.86	24.13	23.71	25.10
1.4	QPSK	6	0	23.15	23.25	23.06	24.10
1.4	16QAM	1	0	23.02	23.27	23.05	24.10
1.4	16QAM	1	3	23.22	23.31	23.08	24.10
1.4	16QAM	1	5	22.92	23.14	23.14	24.10
1.4	16QAM	3	0	23.07	23.19	22.87	24.10
1.4	16QAM	3	1	23.02	23.01	22.87	24.10
1.4	16QAM	3	3	22.90	23.01	22.86	24.10
1.4	16QAM	6	0	21.93	22.06	21.91	23.10
1.4	64QAM	1	0	22.25	22.30	22.12	23.10
1.4	64QAM	1	3	22.18	22.22	22.02	23.10
1.4	64QAM	1	5	22.09	22.06	21.78	23.10
1.4	64QAM	3	0	22.05	22.18	22.07	23.10
1.4	64QAM	3	1	22.06	22.10	21.84	23.10
1.4	64QAM	3	3	21.84	22.12	22.00	23.10
1.4	64QAM	6	0	20.87	20.93	20.93	22.10
1.4	256QAM	1	0	18.98	19.13	19.00	20.10
1.4	256QAM	1	3	18.91	19.20	18.98	20.10
1.4	256QAM	1	5	19.03	19.13	19.06	20.10
1.4	256QAM	3	0	19.09	19.20	18.97	20.10
1.4	256QAM	3	1	18.97	19.06	18.92	20.10
1.4	256QAM	3	3	18.81	19.10	18.94	20.10
1.4	256QAM	6	0	18.79	18.95	18.80	20.10

【LTE Band 66_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.72	16.76	16.63	17.70
20	QPSK	1	49	16.50	16.76	16.67	17.70
20	QPSK	1	99	16.57	16.71	16.72	17.70
20	QPSK	50	0	16.61	16.76	16.68	17.70
20	QPSK	50	24	16.59	16.52	16.65	17.70
20	QPSK	50	50	16.55	16.57	16.59	17.70
20	QPSK	100	0	16.32	16.52	16.24	17.70
20	16QAM	1	0	16.50	16.56	16.58	17.70
20	16QAM	1	49	16.50	16.56	16.53	17.70
20	16QAM	1	99	16.54	16.53	16.64	17.70
20	16QAM	50	0	16.65	16.59	16.57	17.70
20	16QAM	50	24	16.67	16.44	16.79	17.70
20	16QAM	50	50	16.60	16.72	16.75	17.70
20	16QAM	100	0	16.52	16.69	16.69	17.70
20	64QAM	1	0	16.55	16.51	16.66	17.70
20	64QAM	1	49	16.60	16.64	16.72	17.70
20	64QAM	1	99	16.53	16.80	16.49	17.70
20	64QAM	50	0	16.70	16.68	16.60	17.70
20	64QAM	50	24	16.62	16.74	16.58	17.70
20	64QAM	50	50	16.60	16.66	16.73	17.70
20	64QAM	100	0	16.69	16.59	16.54	17.70
20	256QAM	1	0	16.63	16.82	16.68	17.70
20	256QAM	1	49	16.65	16.76	16.55	17.70
20	256QAM	1	99	16.70	16.49	16.61	17.70
20	256QAM	50	0	16.73	16.61	16.64	17.70
20	256QAM	50	24	16.55	16.62	16.63	17.70
20	256QAM	50	50	16.62	16.56	16.59	17.70
20	256QAM	100	0	16.49	16.62	16.71	17.70
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.62	16.61	16.53	17.70
15	QPSK	1	37	16.37	16.62	16.53	17.70
15	QPSK	1	74	16.55	16.67	16.59	17.70
15	QPSK	36	0	16.59	16.61	16.63	17.70
15	QPSK	36	20	16.46	16.50	16.64	17.70
15	QPSK	36	39	16.52	16.48	16.50	17.70
15	QPSK	75	0	16.18	16.46	16.23	17.70
15	16QAM	1	0	16.48	16.49	16.51	17.70



15	16QAM	1	37	16.48	16.44	16.50	17.70
15	16QAM	1	74	16.48	16.51	16.57	17.70
15	16QAM	36	0	16.60	16.52	16.43	17.70
15	16QAM	36	20	16.63	16.35	16.75	17.70
15	16QAM	36	39	16.53	16.63	16.62	17.70
15	16QAM	75	0	16.45	16.62	16.59	17.70
15	64QAM	1	0	16.54	16.40	16.56	17.70
15	64QAM	1	37	16.49	16.61	16.61	17.70
15	64QAM	1	74	16.42	16.67	16.43	17.70
15	64QAM	36	0	16.67	16.66	16.54	17.70
15	64QAM	36	20	16.47	16.66	16.47	17.70
15	64QAM	36	39	16.56	16.58	16.68	17.70
15	64QAM	75	0	16.59	16.55	16.42	17.70
15	256QAM	1	0	16.54	16.76	16.67	17.70
15	256QAM	1	37	16.62	16.62	16.51	17.70
15	256QAM	1	74	16.63	16.41	16.51	17.70
15	256QAM	36	0	16.60	16.57	16.61	17.70
15	256QAM	36	20	16.41	16.53	16.51	17.70
15	256QAM	36	39	16.58	16.48	16.51	17.70
15	256QAM	75	0	16.41	16.56	16.61	17.70
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	16.58	16.66	16.56	17.70
10	QPSK	1	25	16.48	16.73	16.56	17.70
10	QPSK	1	49	16.47	16.58	16.60	17.70
10	QPSK	25	0	16.54	16.63	16.66	17.70
10	QPSK	25	12	16.44	16.41	16.61	17.70
10	QPSK	25	25	16.51	16.53	16.45	17.70
10	QPSK	50	0	16.24	16.50	16.23	17.70
10	16QAM	1	0	16.39	16.55	16.52	17.70
10	16QAM	1	25	16.38	16.41	16.48	17.70
10	16QAM	1	49	16.51	16.51	16.58	17.70
10	16QAM	25	0	16.50	16.49	16.55	17.70
10	16QAM	25	12	16.65	16.34	16.66	17.70
10	16QAM	25	25	16.49	16.67	16.72	17.70
10	16QAM	50	0	16.47	16.68	16.55	17.70
10	64QAM	1	0	16.41	16.40	16.53	17.70
10	64QAM	1	25	16.58	16.59	16.66	17.70
10	64QAM	1	49	16.41	16.74	16.40	17.70
10	64QAM	25	0	16.59	16.55	16.49	17.70
10	64QAM	25	12	16.55	16.62	16.51	17.70
10	64QAM	25	25	16.58	16.58	16.69	17.70
10	64QAM	50	0	16.65	16.50	16.52	17.70
10	256QAM	1	0	16.54	16.68	16.64	17.70
10	256QAM	1	25	16.60	16.68	16.45	17.70
10	256QAM	1	49	16.57	16.35	16.55	17.70
10	256QAM	25	0	16.60	16.52	16.55	17.70
10	256QAM	25	12	16.50	16.58	16.58	17.70
10	256QAM	25	25	16.48	16.52	16.46	17.70
10	256QAM	50	0	16.36	16.59	16.58	17.70
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	16.69	16.71	16.61	17.70
5	QPSK	1	12	16.48	16.66	16.56	17.70
5	QPSK	1	24	16.56	16.61	16.61	17.70
5	QPSK	12	0	16.59	16.66	16.64	17.70
5	QPSK	12	7	16.49	16.47	16.64	17.70
5	QPSK	12	13	16.51	16.50	16.57	17.70
5	QPSK	25	0	16.21	16.46	16.18	17.70
5	16QAM	1	0	16.41	16.49	16.49	17.70
5	16QAM	1	12	16.39	16.53	16.50	17.70
5	16QAM	1	24	16.53	16.41	16.61	17.70
5	16QAM	12	0	16.54	16.54	16.51	17.70
5	16QAM	12	7	16.61	16.39	16.71	17.70
5	16QAM	12	13	16.56	16.62	16.72	17.70
5	16QAM	25	0	16.39	16.56	16.67	17.70
5	64QAM	1	0	16.41	16.37	16.64	17.70
5	64QAM	1	12	16.52	16.55	16.60	17.70
5	64QAM	1	24	16.43	16.74	16.37	17.70
5	64QAM	12	0	16.67	16.60	16.49	17.70
5	64QAM	12	7	16.54	16.62	16.50	17.70
5	64QAM	12	13	16.45	16.61	16.69	17.70
5	64QAM	25	0	16.64	16.51	16.51	17.70
5	256QAM	1	0	16.51	16.70	16.66	17.70
5	256QAM	1	12	16.62	16.67	16.45	17.70
5	256QAM	1	24	16.61	16.39	16.56	17.70
5	256QAM	12	0	16.66	16.50	16.55	17.70
5	256QAM	12	7	16.54	16.52	16.59	17.70



5	256QAM	12	13	16.59	16.46	16.46	17.70
5	256QAM	25	0	16.38	16.61	16.64	17.70
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	16.68	16.64	16.53	17.70
3	QPSK	1	8	16.40	16.72	16.64	17.70
3	QPSK	1	14	16.49	16.59	16.59	17.70
3	QPSK	8	0	16.54	16.67	16.60	17.70
3	QPSK	8	4	16.48	16.48	16.57	17.70
3	QPSK	8	7	16.44	16.46	16.55	17.70
3	QPSK	15	0	16.22	16.39	16.16	17.70
3	16QAM	1	0	16.37	16.44	16.45	17.70
3	16QAM	1	8	16.36	16.48	16.46	17.70
3	16QAM	1	14	16.43	16.41	16.59	17.70
3	16QAM	8	0	16.56	16.46	16.46	17.70
3	16QAM	8	4	16.59	16.32	16.69	17.70
3	16QAM	8	7	16.47	16.61	16.72	17.70
3	16QAM	15	0	16.40	16.64	16.59	17.70
3	64QAM	1	0	16.42	16.40	16.63	17.70
3	64QAM	1	8	16.51	16.58	16.60	17.70
3	64QAM	1	14	16.41	16.67	16.45	17.70
3	64QAM	8	0	16.65	16.67	16.58	17.70
3	64QAM	8	4	16.55	16.63	16.48	17.70
3	64QAM	8	7	16.48	16.53	16.66	17.70
3	64QAM	15	0	16.64	16.46	16.40	17.70
3	256QAM	1	0	16.57	16.80	16.63	17.70
3	256QAM	1	8	16.63	16.73	16.50	17.70
3	256QAM	1	14	16.65	16.44	16.56	17.70
3	256QAM	8	0	16.60	16.54	16.53	17.70
3	256QAM	8	4	16.51	16.47	16.60	17.70
3	256QAM	8	7	16.50	16.44	16.51	17.70
3	256QAM	15	0	16.40	16.57	16.59	17.70
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	16.60	16.69	16.49	17.70
1.4	QPSK	1	3	16.40	16.69	16.55	17.70
1.4	QPSK	1	5	16.43	16.68	16.59	17.70
1.4	QPSK	3	0	16.47	16.73	16.60	17.70
1.4	QPSK	3	1	16.47	16.45	16.62	17.70
1.4	QPSK	3	3	16.49	16.45	16.55	17.70
1.4	QPSK	6	0	16.22	16.39	16.20	17.70
1.4	16QAM	1	0	16.41	16.51	16.47	17.70
1.4	16QAM	1	3	16.37	16.55	16.42	17.70
1.4	16QAM	1	5	16.49	16.41	16.62	17.70
1.4	16QAM	3	0	16.55	16.46	16.47	17.70
1.4	16QAM	3	1	16.62	16.39	16.66	17.70
1.4	16QAM	3	3	16.55	16.69	16.67	17.70
1.4	16QAM	6	0	16.42	16.67	16.61	17.70
1.4	64QAM	1	0	16.43	16.50	16.62	17.70
1.4	64QAM	1	3	16.55	16.60	16.70	17.70
1.4	64QAM	1	5	16.48	16.74	16.35	17.70
1.4	64QAM	3	0	16.57	16.60	16.58	17.70
1.4	64QAM	3	1	16.52	16.71	16.50	17.70
1.4	64QAM	3	3	16.54	16.56	16.71	17.70
1.4	64QAM	6	0	16.61	16.53	16.48	17.70
1.4	256QAM	1	0	16.50	16.75	16.60	17.70
1.4	256QAM	1	3	16.61	16.67	16.49	17.70
1.4	256QAM	1	5	16.59	16.42	16.46	17.70
1.4	256QAM	3	0	16.69	16.56	16.54	17.70
1.4	256QAM	3	1	16.44	16.50	16.51	17.70
1.4	256QAM	3	3	16.60	16.49	16.56	17.70
1.4	256QAM	6	0	16.43	16.55	16.62	17.70



【LTE Band 71_Ant 8_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.12	24.15	24.09	25.10
20	QPSK	1	49	23.90	24.03	23.95	25.10
20	QPSK	1	99	23.85	23.99	23.89	25.10
20	QPSK	50	0	23.02	23.15	22.98	24.10
20	QPSK	50	24	22.94	23.10	23.03	24.10
20	QPSK	50	50	23.04	23.10	22.91	24.10
20	QPSK	100	0	22.91	23.09	23.00	24.10
20	16QAM	1	0	23.15	23.32	23.22	24.10
20	16QAM	1	49	23.04	23.12	22.95	24.10
20	16QAM	1	99	23.27	23.31	23.22	24.10
20	16QAM	50	0	21.93	22.10	22.03	23.10
20	16QAM	50	24	21.86	22.00	21.85	23.10
20	16QAM	50	50	21.91	22.01	21.87	23.10
20	16QAM	100	0	21.89	21.97	21.84	23.10
20	64QAM	1	0	22.13	22.25	22.10	23.10
20	64QAM	1	49	22.03	22.20	22.02	23.10
20	64QAM	1	99	22.13	22.19	22.00	23.10
20	64QAM	50	0	21.06	21.15	21.04	22.10
20	64QAM	50	24	20.99	21.08	21.02	22.10
20	64QAM	50	50	21.01	21.11	21.03	22.10
20	64QAM	100	0	20.81	20.95	20.78	22.10
20	256QAM	1	0	19.13	19.23	19.10	20.10
20	256QAM	1	49	19.06	19.22	19.12	20.10
20	256QAM	1	99	18.98	19.14	18.98	20.10
20	256QAM	50	0	19.12	19.28	19.18	20.10
20	256QAM	50	24	18.93	19.03	18.93	20.10
20	256QAM	50	50	19.00	19.15	18.96	20.10
20	256QAM	100	0	18.98	19.13	18.97	20.10
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.05	24.00	24.06	25.10
15	QPSK	1	37	23.86	23.94	23.88	25.10
15	QPSK	1	74	23.76	23.90	23.85	25.10
15	QPSK	36	0	22.93	23.04	22.84	24.10
15	QPSK	36	20	22.87	23.00	23.00	24.10
15	QPSK	36	39	22.91	23.00	22.87	24.10
15	QPSK	75	0	22.89	23.00	22.86	24.10
15	16QAM	1	0	23.04	23.28	23.12	24.10
15	16QAM	1	37	23.02	23.00	22.89	24.10
15	16QAM	1	74	23.24	23.23	23.10	24.10
15	16QAM	36	0	21.90	21.98	21.92	23.10
15	16QAM	36	20	21.82	21.86	21.81	23.10
15	16QAM	36	39	21.76	21.87	21.76	23.10
15	16QAM	75	0	21.78	21.93	21.79	23.10
15	64QAM	1	0	21.98	22.15	21.98	23.10
15	64QAM	1	37	21.97	22.11	22.00	23.10
15	64QAM	1	74	22.00	22.15	21.85	23.10
15	64QAM	36	0	21.02	21.02	20.95	22.10
15	64QAM	36	20	20.97	20.95	20.87	22.10
15	64QAM	36	39	21.00	21.02	20.97	22.10
15	64QAM	75	0	20.68	20.87	20.75	22.10
15	256QAM	1	0	19.08	19.21	18.96	20.10
15	256QAM	1	37	18.92	19.18	19.08	20.10
15	256QAM	1	74	18.91	19.03	18.95	20.10
15	256QAM	36	0	19.07	19.27	19.06	20.10
15	256QAM	36	20	18.78	18.94	18.87	20.10
15	256QAM	36	39	18.91	19.13	18.82	20.10
15	256QAM	75	0	18.93	19.08	18.84	20.10
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.07	24.09	23.99	25.10
10	QPSK	1	25	23.85	24.00	23.92	25.10
10	QPSK	1	49	23.72	23.97	23.85	25.10
10	QPSK	25	0	22.90	23.06	22.94	24.10
10	QPSK	25	12	22.84	23.01	22.94	24.10
10	QPSK	25	25	22.90	22.97	22.79	24.10
10	QPSK	50	0	22.89	22.98	22.93	24.10
10	16QAM	1	0	23.04	23.25	23.19	24.10
10	16QAM	1	25	22.98	23.03	22.90	24.10
10	16QAM	1	49	23.20	23.26	23.21	24.10
10	16QAM	25	0	21.86	21.98	21.96	23.10

10	16QAM	25	12	21.78	21.98	21.71	23.10
10	16QAM	25	25	21.78	21.97	21.78	23.10
10	16QAM	50	0	21.75	21.84	21.73	23.10
10	64QAM	1	0	22.05	22.11	22.08	23.10
10	64QAM	1	25	21.96	22.09	21.96	23.10
10	64QAM	1	49	22.00	22.13	21.93	23.10
10	64QAM	25	0	21.00	21.12	20.90	22.10
10	64QAM	25	12	20.86	21.01	20.87	22.10
10	64QAM	25	25	20.89	21.06	20.91	22.10
10	64QAM	50	0	20.76	20.93	20.77	22.10
10	256QAM	1	0	19.09	19.12	18.97	20.10
10	256QAM	1	25	18.96	19.20	19.09	20.10
10	256QAM	1	49	18.88	19.09	18.94	20.10
10	256QAM	25	0	19.08	19.27	19.09	20.10
10	256QAM	25	12	18.85	18.98	18.78	20.10
10	256QAM	25	25	18.94	19.08	18.95	20.10
10	256QAM	50	0	18.90	19.08	18.92	20.10
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.03	24.01	23.98	25.10
5	QPSK	1	12	23.82	23.90	23.88	25.10
5	QPSK	1	24	23.80	23.96	23.77	25.10
5	QPSK	12	0	22.98	23.09	22.87	24.10
5	QPSK	12	7	22.86	22.98	22.89	24.10
5	QPSK	12	13	22.91	22.99	22.81	24.10
5	QPSK	25	0	22.77	23.00	22.99	24.10
5	16QAM	1	0	23.14	23.24	23.12	24.10
5	16QAM	1	12	22.97	23.00	22.91	24.10
5	16QAM	1	24	23.14	23.29	23.10	24.10
5	16QAM	12	0	21.91	22.08	21.96	23.10
5	16QAM	12	7	21.82	21.98	21.79	23.10
5	16QAM	12	13	21.80	21.89	21.74	23.10
5	16QAM	25	0	21.78	21.96	21.82	23.10
5	64QAM	1	0	22.06	22.21	21.96	23.10
5	64QAM	1	12	21.91	22.19	21.93	23.10
5	64QAM	1	24	21.99	22.12	21.88	23.10
5	64QAM	12	0	20.92	21.01	20.92	22.10
5	64QAM	12	7	20.88	21.06	20.99	22.10
5	64QAM	12	13	20.96	20.97	20.97	22.10
5	64QAM	25	0	20.71	20.90	20.65	22.10
5	256QAM	1	0	19.03	19.13	18.96	20.10
5	256QAM	1	12	19.01	19.20	18.97	20.10
5	256QAM	1	24	18.93	19.07	18.93	20.10
5	256QAM	12	0	19.07	19.21	19.15	20.10
5	256QAM	12	7	18.83	18.93	18.88	20.10
5	256QAM	12	13	18.95	19.01	18.95	20.10
5	256QAM	25	0	18.91	19.05	18.87	20.10

【LTE Band 71_Ant 8_DSIO】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.12	24.15	24.09	25.10
20	QPSK	1	49	23.90	24.03	23.95	25.10
20	QPSK	1	99	23.85	23.99	23.89	25.10
20	QPSK	50	0	23.02	23.15	22.98	24.10
20	QPSK	50	24	22.94	23.10	23.03	24.10
20	QPSK	50	50	23.04	23.10	22.91	24.10
20	QPSK	100	0	22.91	23.09	23.00	24.10
20	16QAM	1	0	23.15	23.32	23.22	24.10
20	16QAM	1	49	23.04	23.12	22.95	24.10
20	16QAM	1	99	23.27	23.31	23.22	24.10
20	16QAM	50	0	21.93	22.10	22.03	23.10
20	16QAM	50	24	21.86	22.00	21.85	23.10
20	16QAM	50	50	21.91	22.01	21.87	23.10
20	16QAM	100	0	21.89	21.97	21.84	23.10
20	64QAM	1	0	22.13	22.25	22.10	23.10
20	64QAM	1	49	22.03	22.20	22.02	23.10
20	64QAM	1	99	22.13	22.19	22.00	23.10
20	64QAM	50	0	21.06	21.15	21.04	22.10
20	64QAM	50	24	20.99	21.08	21.02	22.10
20	64QAM	50	50	21.01	21.11	21.03	22.10



20	64QAM	100	0	20.81	20.95	20.78	22.10
20	256QAM	1	0	19.13	19.23	19.10	20.10
20	256QAM	1	49	19.06	19.22	19.12	20.10
20	256QAM	1	99	18.98	19.14	18.98	20.10
20	256QAM	50	0	19.12	19.28	19.18	20.10
20	256QAM	50	24	18.93	19.03	18.93	20.10
20	256QAM	50	50	19.00	19.15	18.96	20.10
20	256QAM	100	0	18.98	19.13	18.97	20.10
Channel				133197	133297	133397	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	QPSK	1	0	24.05	24.00	24.06	25.10
15	QPSK	1	37	23.86	23.94	23.88	25.10
15	QPSK	1	74	23.76	23.90	23.85	25.10
15	QPSK	36	0	22.93	23.04	22.84	24.10
15	QPSK	36	20	22.87	23.00	23.00	24.10
15	QPSK	36	39	22.91	23.00	22.87	24.10
15	QPSK	75	0	22.89	23.00	22.86	24.10
15	16QAM	1	0	23.04	23.28	23.12	24.10
15	16QAM	1	37	23.02	23.00	22.89	24.10
15	16QAM	1	74	23.24	23.23	23.10	24.10
15	16QAM	36	0	21.90	21.98	21.92	23.10
15	16QAM	36	20	21.82	21.86	21.81	23.10
15	16QAM	36	39	21.76	21.87	21.76	23.10
15	16QAM	75	0	21.78	21.93	21.79	23.10
15	64QAM	1	0	21.98	22.15	21.98	23.10
15	64QAM	1	37	21.97	22.11	22.00	23.10
15	64QAM	1	74	22.00	22.15	21.85	23.10
15	64QAM	36	0	21.02	21.02	20.95	22.10
15	64QAM	36	20	20.97	20.95	20.87	22.10
15	64QAM	36	39	21.00	21.02	20.97	22.10
15	64QAM	75	0	20.68	20.87	20.75	22.10
15	256QAM	1	0	19.08	19.21	18.96	20.10
15	256QAM	1	37	18.92	19.18	19.08	20.10
15	256QAM	1	74	18.91	19.03	18.95	20.10
15	256QAM	36	0	19.07	19.27	19.06	20.10
15	256QAM	36	20	18.78	18.94	18.87	20.10
15	256QAM	36	39	18.91	19.13	18.82	20.10
15	256QAM	75	0	18.93	19.08	18.84	20.10
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	24.07	24.09	23.99	25.10
10	QPSK	1	25	23.85	24.00	23.92	25.10
10	QPSK	1	49	23.72	23.97	23.85	25.10
10	QPSK	25	0	22.90	23.06	22.94	24.10
10	QPSK	25	12	22.84	23.01	22.94	24.10
10	QPSK	25	25	22.90	22.97	22.79	24.10
10	QPSK	50	0	22.89	22.98	22.93	24.10
10	16QAM	1	0	23.04	23.25	23.19	24.10
10	16QAM	1	25	22.98	23.03	22.90	24.10
10	16QAM	1	49	23.20	23.26	23.21	24.10
10	16QAM	25	0	21.86	21.98	21.96	23.10
10	16QAM	25	12	21.78	21.98	21.71	23.10
10	16QAM	25	25	21.78	21.97	21.78	23.10
10	16QAM	50	0	21.75	21.84	21.73	23.10
10	64QAM	1	0	22.05	22.11	22.08	23.10
10	64QAM	1	25	21.96	22.09	21.96	23.10
10	64QAM	1	49	22.00	22.13	21.93	23.10
10	64QAM	25	0	21.00	21.12	20.90	22.10
10	64QAM	25	12	20.86	21.01	20.87	22.10
10	64QAM	25	25	20.89	21.06	20.91	22.10
10	64QAM	50	0	20.76	20.93	20.77	22.10
10	256QAM	1	0	19.09	19.12	18.97	20.10
10	256QAM	1	25	18.96	19.20	19.09	20.10
10	256QAM	1	49	18.88	19.09	18.94	20.10
10	256QAM	25	0	19.08	19.27	19.09	20.10
10	256QAM	25	12	18.85	18.98	18.78	20.10
10	256QAM	25	25	18.94	19.08	18.95	20.10
10	256QAM	50	0	18.90	19.08	18.92	20.10
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	24.03	24.01	23.98	25.10
5	QPSK	1	12	23.82	23.90	23.88	25.10
5	QPSK	1	24	23.80	23.96	23.77	25.10
5	QPSK	12	0	22.98	23.09	22.87	24.10
5	QPSK	12	7	22.86	22.98	22.89	24.10
5	QPSK	12	13	22.91	22.99	22.81	24.10
5	QPSK	25	0	22.77	23.00	22.99	24.10
5	16QAM	1	0	23.14	23.24	23.12	24.10



5	16QAM	1	12	22.97	23.00	22.91	24.10
5	16QAM	1	24	23.14	23.29	23.10	24.10
5	16QAM	12	0	21.91	22.08	21.96	23.10
5	16QAM	12	7	21.82	21.98	21.79	23.10
5	16QAM	12	13	21.80	21.89	21.74	23.10
5	16QAM	25	0	21.78	21.96	21.82	23.10
5	64QAM	1	0	22.06	22.21	21.96	23.10
5	64QAM	1	12	21.91	22.19	21.93	23.10
5	64QAM	1	24	21.99	22.12	21.88	23.10
5	64QAM	12	0	20.92	21.01	20.92	22.10
5	64QAM	12	7	20.88	21.06	20.99	22.10
5	64QAM	12	13	20.96	20.97	20.97	22.10
5	64QAM	25	0	20.71	20.90	20.65	22.10
5	256QAM	1	0	19.03	19.13	18.96	20.10
5	256QAM	1	12	19.01	19.20	18.97	20.10
5	256QAM	1	24	18.93	19.07	18.93	20.10
5	256QAM	12	0	19.07	19.21	19.15	20.10
5	256QAM	12	7	18.83	18.93	18.88	20.10
5	256QAM	12	13	18.95	19.01	18.95	20.10
5	256QAM	25	0	18.91	19.05	18.87	20.10

【LTE Band 71_Ant 8_DS17】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.12	24.15	24.09	25.10
20	QPSK	1	49	23.90	24.03	23.95	25.10
20	QPSK	1	99	23.85	23.99	23.89	25.10
20	QPSK	50	0	23.02	23.15	22.98	24.10
20	QPSK	50	24	22.94	23.10	23.03	24.10
20	QPSK	50	50	23.04	23.10	22.91	24.10
20	QPSK	100	0	22.91	23.09	23.00	24.10
20	16QAM	1	0	23.15	23.32	23.22	24.10
20	16QAM	1	49	23.04	23.12	22.95	24.10
20	16QAM	1	99	23.27	23.31	23.22	24.10
20	16QAM	50	0	21.93	22.10	22.03	23.10
20	16QAM	50	24	21.86	22.00	21.85	23.10
20	16QAM	50	50	21.91	22.01	21.87	23.10
20	16QAM	100	0	21.89	21.97	21.84	23.10
20	64QAM	1	0	22.13	22.25	22.10	23.10
20	64QAM	1	49	22.03	22.20	22.02	23.10
20	64QAM	1	99	22.13	22.19	22.00	23.10
20	64QAM	50	0	21.06	21.15	21.04	22.10
20	64QAM	50	24	20.99	21.08	21.02	22.10
20	64QAM	50	50	21.01	21.11	21.03	22.10
20	64QAM	100	0	20.81	20.95	20.78	22.10
20	256QAM	1	0	19.13	19.23	19.10	20.10
20	256QAM	1	49	19.06	19.22	19.12	20.10
20	256QAM	1	99	18.98	19.14	18.98	20.10
20	256QAM	50	0	19.12	19.28	19.18	20.10
20	256QAM	50	24	18.93	19.03	18.93	20.10
20	256QAM	50	50	19.00	19.15	18.96	20.10
20	256QAM	100	0	18.98	19.13	18.97	20.10
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.05	24.00	24.06	25.10
15	QPSK	1	37	23.86	23.94	23.88	25.10
15	QPSK	1	74	23.76	23.90	23.85	25.10
15	QPSK	36	0	22.93	23.04	22.84	24.10
15	QPSK	36	20	22.87	23.00	23.00	24.10
15	QPSK	36	39	22.91	23.00	22.87	24.10
15	QPSK	75	0	22.89	23.00	22.86	24.10
15	16QAM	1	0	23.04	23.28	23.12	24.10
15	16QAM	1	37	23.02	23.00	22.89	24.10
15	16QAM	1	74	23.24	23.23	23.10	24.10
15	16QAM	36	0	21.90	21.98	21.92	23.10
15	16QAM	36	20	21.82	21.86	21.81	23.10
15	16QAM	36	39	21.76	21.87	21.76	23.10
15	16QAM	75	0	21.78	21.93	21.79	23.10
15	64QAM	1	0	21.98	22.15	21.98	23.10
15	64QAM	1	37	21.97	22.11	22.00	23.10
15	64QAM	1	74	22.00	22.15	21.85	23.10



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15	64QAM	36	0	21.02	21.02	20.95	22.10
15	64QAM	36	20	20.97	20.95	20.87	22.10
15	64QAM	36	39	21.00	21.02	20.97	22.10
15	64QAM	75	0	20.68	20.87	20.75	22.10
15	256QAM	1	0	19.08	19.21	18.96	20.10
15	256QAM	1	37	18.92	19.18	19.08	20.10
15	256QAM	1	74	18.91	19.03	18.95	20.10
15	256QAM	36	0	19.07	19.27	19.06	20.10
15	256QAM	36	20	18.78	18.94	18.87	20.10
15	256QAM	36	39	18.91	19.13	18.82	20.10
15	256QAM	75	0	18.93	19.08	18.84	20.10
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	24.07	24.09	23.99	25.10
10	QPSK	1	25	23.85	24.00	23.92	25.10
10	QPSK	1	49	23.72	23.97	23.85	25.10
10	QPSK	25	0	22.90	23.06	22.94	24.10
10	QPSK	25	12	22.84	23.01	22.94	24.10
10	QPSK	25	25	22.90	22.97	22.79	24.10
10	QPSK	50	0	22.89	22.98	22.93	24.10
10	16QAM	1	0	23.04	23.25	23.19	24.10
10	16QAM	1	25	22.98	23.03	22.90	24.10
10	16QAM	1	49	23.20	23.26	23.21	24.10
10	16QAM	25	0	21.86	21.98	21.96	23.10
10	16QAM	25	12	21.78	21.98	21.71	23.10
10	16QAM	25	25	21.78	21.97	21.78	23.10
10	16QAM	50	0	21.75	21.84	21.73	23.10
10	64QAM	1	0	22.05	22.11	22.08	23.10
10	64QAM	1	25	21.96	22.09	21.96	23.10
10	64QAM	1	49	22.00	22.13	21.93	23.10
10	64QAM	25	0	21.00	21.12	20.90	22.10
10	64QAM	25	12	20.86	21.01	20.87	22.10
10	64QAM	25	25	20.89	21.06	20.91	22.10
10	64QAM	50	0	20.76	20.93	20.77	22.10
10	256QAM	1	0	19.09	19.12	18.97	20.10
10	256QAM	1	25	18.96	19.20	19.09	20.10
10	256QAM	1	49	18.88	19.09	18.94	20.10
10	256QAM	25	0	19.08	19.27	19.09	20.10
10	256QAM	25	12	18.85	18.98	18.78	20.10
10	256QAM	25	25	18.94	19.08	18.95	20.10
10	256QAM	50	0	18.90	19.08	18.92	20.10
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	24.03	24.01	23.98	25.10
5	QPSK	1	12	23.82	23.90	23.88	25.10
5	QPSK	1	24	23.80	23.96	23.77	25.10
5	QPSK	12	0	22.98	23.09	22.87	24.10
5	QPSK	12	7	22.86	22.98	22.89	24.10
5	QPSK	12	13	22.91	22.99	22.81	24.10
5	QPSK	25	0	22.77	23.00	22.99	24.10
5	16QAM	1	0	23.14	23.24	23.12	24.10
5	16QAM	1	12	22.97	23.00	22.91	24.10
5	16QAM	1	24	23.14	23.29	23.10	24.10
5	16QAM	12	0	21.91	22.08	21.96	23.10
5	16QAM	12	7	21.82	21.98	21.79	23.10
5	16QAM	12	13	21.80	21.89	21.74	23.10
5	16QAM	25	0	21.78	21.96	21.82	23.10
5	64QAM	1	0	22.06	22.21	21.96	23.10
5	64QAM	1	12	21.91	22.19	21.93	23.10
5	64QAM	1	24	21.99	22.12	21.88	23.10
5	64QAM	12	0	20.92	21.01	20.92	22.10
5	64QAM	12	7	20.88	21.06	20.99	22.10
5	64QAM	12	13	20.96	20.97	20.97	22.10
5	64QAM	25	0	20.71	20.90	20.65	22.10
5	256QAM	1	0	19.03	19.13	18.96	20.10
5	256QAM	1	12	19.01	19.20	18.97	20.10
5	256QAM	1	24	18.93	19.07	18.93	20.10
5	256QAM	12	0	19.07	19.21	19.15	20.10
5	256QAM	12	7	18.83	18.93	18.88	20.10
5	256QAM	12	13	18.95	19.01	18.95	20.10
5	256QAM	25	0	18.91	19.05	18.87	20.10



<LTE Band 53 Ant8_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				60190	60197.5	60205	
Frequency (MHz)				2488.5	2489.25	2490	
10	QPSK	1	0	24.38	24.48	24.41	25.1
10	QPSK	1	25	24.34	24.46	24.38	
10	QPSK	1	49	24.22	24.26	24.13	
10	QPSK	25	0	23.41	23.46	23.38	24.1
10	QPSK	25	12	23.30	23.42	23.29	
10	QPSK	25	25	23.25	23.36	23.31	
10	QPSK	50	0	23.27	23.40	23.27	24.1
10	16QAM	1	0	23.45	23.51	23.38	
10	16QAM	1	25	23.45	23.57	23.51	
10	16QAM	1	49	23.31	23.44	23.31	23.1
10	16QAM	25	0	22.38	22.41	22.35	
10	16QAM	25	12	22.32	22.45	22.38	
10	16QAM	25	25	22.32	22.38	22.26	23.1
10	16QAM	50	0	22.34	22.46	22.34	
10	64QAM	1	0	22.33	22.46	22.35	
10	64QAM	1	25	22.44	22.51	22.42	22.1
10	64QAM	1	49	22.16	22.24	22.20	
10	64QAM	25	0	21.27	21.33	21.21	
10	64QAM	25	12	21.35	21.43	21.39	20.1
10	64QAM	25	25	21.36	21.45	21.35	
10	64QAM	50	0	21.36	21.47	21.36	
10	256QAM	1	0	19.39	19.42	19.31	20.1
10	256QAM	1	25	19.37	19.43	19.34	
10	256QAM	1	49	19.25	19.31	19.27	
10	256QAM	25	0	19.39	19.48	19.39	20.1
10	256QAM	25	12	19.36	19.46	19.42	
10	256QAM	25	25	19.36	19.42	19.29	
10	256QAM	50	0	19.31	19.45	19.34	Tune-up limit (dBm)
Channel				60165	60197.5	60230	
Frequency (MHz)				2486	2489.25	2492.5	
5	QPSK	1	0	24.37	24.35	24.36	25.1
5	QPSK	1	12	24.32	24.41	24.38	
5	QPSK	1	24	24.11	24.17	24.22	
5	QPSK	12	0	23.36	23.40	23.35	24.1
5	QPSK	12	7	23.27	23.35	23.39	
5	QPSK	12	13	23.22	23.27	23.33	
5	QPSK	25	0	23.30	23.34	23.35	24.1
5	16QAM	1	0	23.37	23.39	23.41	
5	16QAM	1	12	23.45	23.44	23.44	
5	16QAM	1	24	23.36	23.29	23.34	23.1
5	16QAM	12	0	22.30	22.26	22.36	
5	16QAM	12	7	22.36	22.42	22.39	
5	16QAM	12	13	22.25	22.27	22.27	23.1
5	16QAM	25	0	22.39	22.33	22.32	
5	64QAM	1	0	22.36	22.42	22.35	
5	64QAM	1	12	22.46	22.39	22.42	22.1
5	64QAM	1	24	22.18	22.14	22.09	
5	64QAM	12	0	21.23	21.28	21.22	
5	64QAM	12	7	21.35	21.28	21.32	20.1
5	64QAM	12	13	21.33	21.38	21.39	
5	64QAM	25	0	21.40	21.44	21.39	
5	256QAM	1	0	19.29	19.35	19.37	20.1
5	256QAM	1	12	19.36	19.30	19.40	
5	256QAM	1	24	19.19	19.17	19.17	
5	256QAM	12	0	19.37	19.39	19.39	20.1
5	256QAM	12	7	19.37	19.42	19.39	
5	256QAM	12	13	19.38	19.38	19.29	
5	256QAM	25	0	19.34	19.35	19.35	



Channel				60155	60197.5	60240	Tune-up limit (dBm)
Frequency (MHz)				2485	2489.25	2493.5	
3	QPSK	1	0	24.32	24.31	24.33	25.1
3	QPSK	1	8	24.37	24.38	24.37	
3	QPSK	1	14	24.12	24.08	24.16	
3	QPSK	8	0	23.36	23.38	23.36	24.1
3	QPSK	8	4	23.36	23.29	23.31	
3	QPSK	8	7	23.23	23.27	23.19	
3	QPSK	15	0	23.26	23.27	23.30	24.1
3	16QAM	1	0	23.34	23.34	23.42	
3	16QAM	1	8	23.44	23.40	23.45	
3	16QAM	1	14	23.27	23.36	23.33	23.1
3	16QAM	8	0	22.25	22.27	22.29	
3	16QAM	8	4	22.28	22.35	22.37	
3	16QAM	8	7	22.24	22.32	22.29	23.1
3	16QAM	15	0	22.30	22.36	22.38	
3	64QAM	1	0	22.36	22.35	22.40	
3	64QAM	1	8	22.37	22.36	22.34	22.1
3	64QAM	1	14	22.14	22.07	22.10	
3	64QAM	8	0	21.19	21.17	21.15	
3	64QAM	8	4	21.26	21.30	21.27	20.1
3	64QAM	8	7	21.32	21.28	21.37	
3	64QAM	15	0	21.40	21.36	21.33	
3	256QAM	1	0	19.30	19.29	19.26	20.1
3	256QAM	1	8	19.34	19.29	19.26	
3	256QAM	1	14	19.22	19.20	19.20	
3	256QAM	8	0	19.39	19.31	19.37	20.1
3	256QAM	8	4	19.40	19.37	19.32	
3	256QAM	8	7	19.30	19.25	19.30	
3	256QAM	15	0	19.37	19.35	19.32	
Channel				60147	60197.5	60248	Tune-up limit (dBm)
Frequency (MHz)				2484.2	2489.25	2494.3	
1.4	QPSK	1	0	24.33	24.30	24.30	25.1
1.4	QPSK	1	3	24.27	24.32	24.28	
1.4	QPSK	1	5	24.18	24.09	24.10	
1.4	QPSK	3	0	23.29	23.28	23.29	24.1
1.4	QPSK	3	1	23.32	23.23	23.34	
1.4	QPSK	3	3	23.18	23.24	23.26	
1.4	QPSK	6	0	23.21	23.29	23.31	24.1
1.4	16QAM	1	0	23.39	23.38	23.31	24.1
1.4	16QAM	1	3	23.42	23.47	23.47	
1.4	16QAM	1	5	23.32	23.26	23.33	
1.4	16QAM	3	0	22.29	22.32	22.26	23.1
1.4	16QAM	3	1	22.27	22.26	22.35	
1.4	16QAM	3	3	22.30	22.29	22.20	
1.4	16QAM	6	0	22.28	22.28	22.30	23.1
1.4	64QAM	1	0	22.30	22.31	22.38	23.1
1.4	64QAM	1	3	22.35	22.38	22.32	
1.4	64QAM	1	5	22.05	22.15	22.15	
1.4	64QAM	3	0	21.24	21.21	21.16	22.1
1.4	64QAM	3	1	21.25	21.27	21.32	
1.4	64QAM	3	3	21.30	21.35	21.27	
1.4	64QAM	6	0	21.31	21.29	21.29	22.1
1.4	256QAM	1	0	19.33	19.25	19.31	20.1
1.4	256QAM	1	3	19.28	19.24	19.34	
1.4	256QAM	1	5	19.13	19.19	19.23	
1.4	256QAM	3	0	19.31	19.39	19.30	20.1
1.4	256QAM	3	1	19.36	19.35	19.37	
1.4	256QAM	3	3	19.29	19.27	19.26	
1.4	256QAM	6	0	19.36	19.32	19.33	20.1

<LTE Band 106 Ant8_Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					134322		
Frequency (MHz)					899		
3	QPSK	1	0		23.48		25.1
3	QPSK	1	8		23.45		
3	QPSK	1	14		23.44		
3	QPSK	8	0		22.23		24.1
3	QPSK	8	4		22.30		
3	QPSK	8	7		22.35		
3	QPSK	15	0		22.27		24.1
3	16QAM	1	0		22.13		
3	16QAM	1	8		22.10		
3	16QAM	1	14		22.23		23.1
3	16QAM	8	0		21.23		
3	16QAM	8	4		21.37		
3	16QAM	8	7		21.38		23.1
3	16QAM	15	0		21.28		
3	64QAM	1	0		21.29		
3	64QAM	1	8		21.48		22.1
3	64QAM	1	14		21.45		
3	64QAM	8	0		20.25		
3	64QAM	8	4		20.34		20.1
3	64QAM	8	7		20.38		
3	64QAM	15	0		21.46		
3	256QAM	1	0		18.25		20.1
3	256QAM	1	8		18.23		
3	256QAM	1	14		18.28		
3	256QAM	8	0		18.25		20.1
3	256QAM	8	4		18.21		
3	256QAM	8	7		18.28		
3	256QAM	15	0		18.23		25.1
Channel				134314	134322	134330	
Frequency (MHz)				898.2	899	899.8	
1.4	QPSK	1	0	23.35	23.33	23.44	25.1
1.4	QPSK	1	3	23.43	23.44	23.44	
1.4	QPSK	1	5	23.42	23.34	23.41	
1.4	QPSK	3	0	23.34	23.43	23.42	
1.4	QPSK	3	1	23.43	23.42	23.42	
1.4	QPSK	3	3	23.40	23.36	23.41	
1.4	QPSK	6	0	22.51	22.49	22.46	24.1
1.4	16QAM	1	0	22.49	22.46	22.53	24.1
1.4	16QAM	1	3	22.53	22.52	22.49	
1.4	16QAM	1	5	22.48	22.45	22.43	
1.4	16QAM	3	0	22.53	22.54	22.48	
1.4	16QAM	3	1	22.51	22.47	22.53	
1.4	16QAM	3	3	22.53	22.46	22.47	
1.4	16QAM	6	0	21.48	21.50	21.46	23.1
1.4	64QAM	1	0	21.47	21.54	21.43	23.1
1.4	64QAM	1	3	21.55	21.52	21.48	
1.4	64QAM	1	5	21.50	21.52	21.43	
1.4	64QAM	3	0	21.52	21.49	21.43	
1.4	64QAM	3	1	21.47	21.52	21.51	
1.4	64QAM	3	3	21.47	21.50	21.47	

1.4	64QAM	6	0	20.49	20.52	20.54	22.1
1.4	256QAM	1	0	18.53	18.51	18.46	20.1
1.4	256QAM	1	3	18.52	18.50	18.46	
1.4	256QAM	1	5	18.52	18.48	18.44	
1.4	256QAM	3	0	18.45	18.43	18.53	
1.4	256QAM	3	1	18.52	18.51	18.50	
1.4	256QAM	3	3	18.51	18.54	18.50	
1.4	256QAM	6	0	18.48	18.44	18.48	20.1

<LTE Band 70 Ant1_ Full Power>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					133047		
Frequency (MHz)					1702.5		
15	QPSK	1	0		23.85		25.1
15	QPSK	1	37		23.77		
15	QPSK	1	74		23.71		
15	QPSK	36	0		22.72		24.1
15	QPSK	36	20		22.85		
15	QPSK	36	39		22.81		
15	QPSK	75	0		22.83		24.1
15	16QAM	1	0		22.71		
15	16QAM	1	37		22.79		
15	16QAM	1	74		22.71		23.1
15	16QAM	36	0		21.82		
15	16QAM	36	20		21.73		
15	16QAM	36	39		21.73		23.1
15	16QAM	75	0		21.84		
15	64QAM	1	0		21.71		
15	64QAM	1	37		21.80		22.1
15	64QAM	1	74		21.72		
15	64QAM	36	0		20.85		
15	64QAM	36	20		20.77		20.1
15	64QAM	36	39		20.74		
15	64QAM	75	0		20.79		
15	256QAM	1	0		18.81		20.1
15	256QAM	1	37		18.76		
15	256QAM	1	74		18.71		
15	256QAM	36	0		18.84		20.1
15	256QAM	36	20		18.72		
15	256QAM	36	39		18.83		
15	256QAM	75	0		18.76		
Channel				133022	133047	133072	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	0	23.67	23.66	23.77	25.1
10	QPSK	1	25	23.64	23.65	23.64	
10	QPSK	1	49	23.59	23.53	23.55	
10	QPSK	25	0	22.57	22.54	22.53	24.1
10	QPSK	25	12	22.69	22.73	22.76	
10	QPSK	25	25	22.66	22.64	22.64	
10	QPSK	50	0	22.71	22.64	22.68	24.1
10	16QAM	1	0	22.59	22.60	22.60	
10	16QAM	1	25	22.63	22.62	22.67	
10	16QAM	1	49	22.53	22.59	22.61	23.1
10	16QAM	25	0	21.68	21.73	21.66	
10	16QAM	25	12	21.65	21.55	21.57	
10	16QAM	25	25	21.56	21.57	21.57	23.1
10	16QAM	50	0	21.66	21.72	21.71	
10	64QAM	1	0	21.58	21.52	21.55	
10	64QAM	1	25	21.70	21.63	21.64	22.1
10	64QAM	1	49	21.60	21.63	21.52	
10	64QAM	25	0	20.70	20.75	20.69	



10	64QAM	25	12	20.58	20.58	20.58	
10	64QAM	25	25	20.56	20.63	20.64	
10	64QAM	50	0	20.69	20.65	20.65	
10	256QAM	1	0	18.71	18.72	18.73	20.1
10	256QAM	1	25	18.61	18.60	18.63	
10	256QAM	1	49	18.52	18.51	18.60	
10	256QAM	25	0	18.67	18.66	18.68	20.1
10	256QAM	25	12	18.60	18.55	18.59	
10	256QAM	25	25	18.74	18.74	18.73	
10	256QAM	50	0	18.64	18.59	18.57	
Channel				132997	133047	133097	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	0	23.67	23.66	23.77	25.1
5	QPSK	1	12	23.64	23.65	23.64	
5	QPSK	1	24	23.59	23.53	23.55	
5	QPSK	12	0	22.57	22.54	22.53	24.1
5	QPSK	12	7	22.69	22.73	22.76	
5	QPSK	12	13	22.66	22.64	22.64	
5	QPSK	25	0	22.71	22.64	22.68	24.1
5	16QAM	1	0	22.59	22.60	22.60	
5	16QAM	1	12	22.63	22.62	22.67	
5	16QAM	1	24	22.53	22.59	22.61	23.1
5	16QAM	12	0	21.68	21.73	21.66	
5	16QAM	12	7	21.65	21.55	21.57	
5	16QAM	12	13	21.56	21.57	21.57	23.1
5	16QAM	25	0	21.66	21.72	21.71	
5	64QAM	1	0	21.58	21.52	21.55	
5	64QAM	1	12	21.70	21.63	21.64	22.1
5	64QAM	1	24	21.60	21.63	21.52	
5	64QAM	12	0	20.70	20.75	20.69	
5	64QAM	12	7	20.58	20.58	20.58	20.1
5	64QAM	12	13	20.56	20.63	20.64	
5	64QAM	25	0	20.69	20.65	20.65	
5	256QAM	1	0	18.71	18.72	18.73	20.1
5	256QAM	1	12	18.61	18.60	18.63	
5	256QAM	1	24	18.52	18.51	18.60	
5	256QAM	12	0	18.67	18.66	18.68	20.1
5	256QAM	12	7	18.60	18.55	18.59	
5	256QAM	12	13	18.74	18.74	18.73	
5	256QAM	25	0	18.64	18.59	18.57	

<LTE Band 53 Ant8_DSI7>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				60190	60197.5	60205	
Frequency (MHz)				2488.5	2489.25	2490	
10	QPSK	1	0	16.93	17.01	16.91	17.9
10	QPSK	1	25	16.78	16.99	16.77	
10	QPSK	1	49	16.92	16.89	16.75	
10	QPSK	25	0	16.86	16.83	16.85	17.9
10	QPSK	25	12	16.76	16.79	16.78	
10	QPSK	25	25	16.79	16.74	16.68	
10	QPSK	50	0	16.61	16.68	16.49	17.9
10	16QAM	1	0	16.67	16.81	16.76	
10	16QAM	1	25	16.65	16.70	16.68	
10	16QAM	1	49	16.61	16.65	16.64	17.9
10	16QAM	25	0	16.71	16.68	16.81	
10	16QAM	25	12	16.77	16.74	16.82	
10	16QAM	25	25	16.82	16.74	16.82	17.9
10	16QAM	50	0	16.70	16.94	16.80	
10	64QAM	1	0	16.74	16.81	16.79	
10	64QAM	1	25	16.75	16.82	16.87	17.9
10	64QAM	1	49	16.85	16.92	16.87	
10	64QAM	25	0	16.88	16.89	16.81	17.9



10	64QAM	25	12	16.67	16.83	16.68	
10	64QAM	25	25	16.67	16.84	16.93	
10	64QAM	50	0	16.83	16.90	16.92	
10	256QAM	1	0	16.71	16.83	16.71	17.9
10	256QAM	1	25	16.62	16.97	16.86	
10	256QAM	1	49	16.89	16.85	16.85	
10	256QAM	25	0	16.84	16.86	16.76	17.9
10	256QAM	25	12	16.77	16.79	16.89	
10	256QAM	25	25	16.82	16.81	16.81	
10	256QAM	50	0	16.69	16.76	16.82	
Channel				60165	60197.5	60230	Tune-up limit (dBm)
Frequency (MHz)				2486	2489.25	2492.5	
5	QPSK	1	0	16.93	16.93	16.81	17.9
5	QPSK	1	12	16.61	16.92	16.64	
5	QPSK	1	24	16.80	16.79	16.65	
5	QPSK	12	0	16.76	16.76	16.81	17.9
5	QPSK	12	7	16.69	16.65	16.67	
5	QPSK	12	13	16.63	16.59	16.62	
5	QPSK	25	0	16.54	16.61	16.44	17.9
5	16QAM	1	0	16.51	16.70	16.59	
5	16QAM	1	12	16.48	16.52	16.59	
5	16QAM	1	24	16.49	16.57	16.57	17.9
5	16QAM	12	0	16.69	16.58	16.78	
5	16QAM	12	7	16.67	16.69	16.70	
5	16QAM	12	13	16.80	16.70	16.74	17.9
5	16QAM	25	0	16.65	16.92	16.72	
5	64QAM	1	0	16.70	16.74	16.63	
5	64QAM	1	12	16.69	16.68	16.73	17.9
5	64QAM	1	24	16.77	16.82	16.71	
5	64QAM	12	0	16.75	16.80	16.72	
5	64QAM	12	7	16.50	16.69	16.53	17.9
5	64QAM	12	13	16.61	16.68	16.81	
5	64QAM	25	0	16.78	16.85	16.81	
5	256QAM	1	0	16.60	16.80	16.55	17.9
5	256QAM	1	12	16.50	16.84	16.78	
5	256QAM	1	24	16.77	16.70	16.67	
5	256QAM	12	0	16.75	16.70	16.60	17.9
5	256QAM	12	7	16.59	16.72	16.79	
5	256QAM	12	13	16.73	16.66	16.69	
5	256QAM	25	0	16.57	16.67	16.76	
Channel				60155	60197.5	60240	Tune-up limit (dBm)
Frequency (MHz)				2485	2489.25	2493.5	
3	QPSK	1	0	16.95	16.89	16.88	17.9
3	QPSK	1	8	16.62	16.82	16.59	
3	QPSK	1	14	16.83	16.84	16.62	
3	QPSK	8	0	16.72	16.66	16.69	17.9
3	QPSK	8	4	16.70	16.77	16.68	
3	QPSK	8	7	16.67	16.59	16.65	
3	QPSK	15	0	16.47	16.52	16.33	17.9
3	16QAM	1	0	16.55	16.76	16.68	
3	16QAM	1	8	16.58	16.60	16.55	
3	16QAM	1	14	16.43	16.59	16.47	17.9
3	16QAM	8	0	16.62	16.64	16.68	
3	16QAM	8	4	16.73	16.58	16.73	
3	16QAM	8	7	16.71	16.71	16.78	17.9
3	16QAM	15	0	16.64	16.86	16.73	
3	64QAM	1	0	16.62	16.68	16.71	
3	64QAM	1	8	16.73	16.65	16.74	17.9
3	64QAM	1	14	16.69	16.86	16.84	
3	64QAM	8	0	16.78	16.73	16.69	
3	64QAM	8	4	16.53	16.80	16.60	17.9
3	64QAM	8	7	16.57	16.71	16.80	
3	64QAM	15	0	16.77	16.82	16.86	
3	256QAM	1	0	16.64	16.68	16.58	17.9



3	256QAM	1	8	16.54	16.92	16.72	17.9
3	256QAM	1	14	16.78	16.72	16.77	
3	256QAM	8	0	16.78	16.79	16.72	
3	256QAM	8	4	16.64	16.62	16.79	
3	256QAM	8	7	16.79	16.68	16.77	
3	256QAM	15	0	16.55	16.67	16.69	Tune-up limit (dBm)
Channel				60147	60197.5	60248	
Frequency (MHz)				2484.2	2489.25	2494.3	17.9
1.4	QPSK	1	0	16.85	16.82	16.76	
1.4	QPSK	1	3	16.76	16.85	16.67	
1.4	QPSK	1	5	16.83	16.86	16.64	
1.4	QPSK	3	0	16.79	16.66	16.81	
1.4	QPSK	3	1	16.67	16.73	16.66	17.9
1.4	QPSK	3	3	16.69	16.60	16.65	
1.4	QPSK	6	0	16.45	16.63	16.35	17.9
1.4	16QAM	1	0	16.62	16.65	16.58	17.9
1.4	16QAM	1	3	16.59	16.56	16.50	
1.4	16QAM	1	5	16.59	16.56	16.51	
1.4	16QAM	3	0	16.57	16.58	16.66	
1.4	16QAM	3	1	16.64	16.63	16.73	
1.4	16QAM	3	3	16.67	16.60	16.77	17.9
1.4	16QAM	6	0	16.60	16.79	16.65	
1.4	64QAM	1	0	16.64	16.70	16.77	17.9
1.4	64QAM	1	3	16.62	16.71	16.75	
1.4	64QAM	1	5	16.68	16.84	16.71	
1.4	64QAM	3	0	16.76	16.86	16.77	
1.4	64QAM	3	1	16.53	16.73	16.64	
1.4	64QAM	3	3	16.56	16.79	16.91	17.9
1.4	64QAM	6	0	16.80	16.87	16.90	
1.4	256QAM	1	0	16.53	16.71	16.61	17.9
1.4	256QAM	1	3	16.59	16.84	16.83	
1.4	256QAM	1	5	16.87	16.74	16.81	
1.4	256QAM	3	0	16.74	16.82	16.71	
1.4	256QAM	3	1	16.69	16.77	16.75	
1.4	256QAM	3	3	16.78	16.73	16.71	17.9
1.4	256QAM	6	0	16.57	16.64	16.73	

<LTE Band 106 Ant8_DSI7>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					134322		
Frequency (MHz)					899		19.9
3	QPSK	1	0		19.04		
3	QPSK	1	8		18.88		
3	QPSK	1	14		18.88		19.9
3	QPSK	8	0		18.85		
3	QPSK	8	4		18.66		
3	QPSK	8	7		18.72		19.9
3	QPSK	15	0		18.70		
3	16QAM	1	0		18.74		
3	16QAM	1	8		18.62		19.9
3	16QAM	1	14		18.66		
3	16QAM	8	0		18.79		
3	16QAM	8	4		18.72		19.9
3	16QAM	8	7		18.76		
3	16QAM	15	0		18.81		
3	64QAM	1	0		18.67		19.9
3	64QAM	1	8		18.74		
3	64QAM	1	14		18.81		
3	64QAM	8	0		18.83		19.9
3	64QAM	8	4		18.78		
3	64QAM	8	7		18.82		
3	64QAM	15	0		18.75		



3	256QAM	1	0		18.25		19.4
3	256QAM	1	8		18.23		
3	256QAM	1	14		18.28		
3	256QAM	8	0		18.25		19.4
3	256QAM	8	4		18.21		
3	256QAM	8	7		18.28		
3	256QAM	15	0		18.23		
Channel				134314	134322	134330	Tune-up limit (dBm)
Frequency (MHz)				898.2	899	899.8	
1.4	QPSK	1	0	18.82	18.92	18.90	19.9
1.4	QPSK	1	3	18.75	18.97	18.79	
1.4	QPSK	1	5	18.78	18.81	18.82	
1.4	QPSK	3	0	18.89	18.79	18.72	
1.4	QPSK	3	1	18.59	18.78	18.62	
1.4	QPSK	3	3	18.73	18.82	18.69	
1.4	QPSK	6	0	18.62	18.72	18.48	19.9
1.4	16QAM	1	0	18.70	18.65	18.70	19.9
1.4	16QAM	1	3	18.59	18.71	18.68	
1.4	16QAM	1	5	18.66	18.66	18.64	
1.4	16QAM	3	0	18.72	18.72	18.68	
1.4	16QAM	3	1	18.86	18.81	18.94	
1.4	16QAM	3	3	18.77	18.77	18.88	
1.4	16QAM	6	0	18.75	18.90	18.86	19.9
1.4	64QAM	1	0	18.77	18.78	18.84	19.9
1.4	64QAM	1	3	18.67	18.66	18.77	
1.4	64QAM	1	5	18.86	18.88	18.84	
1.4	64QAM	3	0	18.78	18.80	18.73	
1.4	64QAM	3	1	18.80	18.76	18.71	
1.4	64QAM	3	3	18.75	18.95	18.79	
1.4	64QAM	6	0	18.74	18.74	18.90	19.9
1.4	256QAM	1	0	18.23	18.16	18.24	19.4
1.4	256QAM	1	3	18.13	18.26	18.23	
1.4	256QAM	1	5	18.22	18.24	18.20	
1.4	256QAM	3	0	18.13	18.16	18.17	
1.4	256QAM	3	1	18.14	18.25	18.22	
1.4	256QAM	3	3	18.15	18.19	18.25	
1.4	256QAM	6	0	18.09	18.12	18.16	19.4

<LTE Band 70 Ant1_DSI7>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					133047		
Frequency (MHz)					1702.5		
15	QPSK	1	0		16.98		17.9
15	QPSK	1	37		16.85		
15	QPSK	1	74		16.93		
15	QPSK	36	0		16.80		17.9
15	QPSK	36	20		16.73		
15	QPSK	36	39		16.81		
15	QPSK	75	0		16.65		17.9
15	16QAM	1	0		16.71		
15	16QAM	1	37		16.71		
15	16QAM	1	74		16.73		17.9
15	16QAM	36	0		16.79		
15	16QAM	36	20		16.72		
15	16QAM	36	39		16.81		17.9
15	16QAM	75	0		16.93		
15	64QAM	1	0		16.82		
15	64QAM	1	37		16.80		17.9
15	64QAM	1	74		16.90		
15	64QAM	36	0		16.82		
15	64QAM	36	20		16.70		17.9
15	64QAM	36	39		16.92		
15	64QAM	75	0		16.81		



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15	256QAM	1	0		16.83		17.9
15	256QAM	1	37		16.90		
15	256QAM	1	74		16.77		
15	256QAM	36	0		16.83		17.9
15	256QAM	36	20		16.80		
15	256QAM	36	39		16.80		
15	256QAM	75	0		16.81		
Channel				133022	133047	133072	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	0	16.90	16.94	16.87	17.9
10	QPSK	1	25	16.73	16.88	16.82	
10	QPSK	1	49	16.75	16.94	16.73	
10	QPSK	25	0	16.88	16.91	16.82	17.9
10	QPSK	25	12	16.59	16.68	16.75	
10	QPSK	25	25	16.64	16.75	16.64	
10	QPSK	50	0	16.56	16.69	16.50	
10	16QAM	1	0	16.64	16.79	16.75	17.9
10	16QAM	1	25	16.70	16.64	16.65	
10	16QAM	1	49	16.71	16.57	16.76	
10	16QAM	25	0	16.81	16.65	16.66	
10	16QAM	25	12	16.72	16.69	16.88	17.9
10	16QAM	25	25	16.87	16.73	16.87	
10	16QAM	50	0	16.76	16.79	16.74	
10	64QAM	1	0	16.76	16.78	16.78	
10	64QAM	1	25	16.69	16.74	16.85	17.9
10	64QAM	1	49	16.74	16.88	16.83	
10	64QAM	25	0	16.82	16.90	16.78	
10	64QAM	25	12	16.72	16.78	16.79	
10	64QAM	25	25	16.70	16.92	16.89	17.9
10	64QAM	50	0	16.77	16.73	16.89	
10	256QAM	1	0	16.83	16.84	16.72	
10	256QAM	1	25	16.65	16.92	16.69	
10	256QAM	1	49	16.76	16.79	16.78	17.9
10	256QAM	25	0	16.81	16.81	16.76	
10	256QAM	25	12	16.59	16.78	16.88	
10	256QAM	25	25	16.79	16.70	16.87	
10	256QAM	50	0	16.80	16.83	16.75	17.9
Channel				132997	133047	133097	
Frequency (MHz)				1697.5	1702.5	1707.5	Tune-up limit (dBm)
5	QPSK	1	0	16.72	16.77	16.72	17.9
5	QPSK	1	12	16.73	16.77	16.71	
5	QPSK	1	24	16.68	16.82	16.54	
5	QPSK	12	0	16.81	16.65	16.62	17.9
5	QPSK	12	7	16.60	16.82	16.62	
5	QPSK	12	13	16.68	16.71	16.60	
5	QPSK	25	0	16.47	16.57	16.58	
5	16QAM	1	0	16.50	16.47	16.63	17.9
5	16QAM	1	12	16.52	16.57	16.73	
5	16QAM	1	24	16.59	16.55	16.57	
5	16QAM	12	0	16.78	16.54	16.63	
5	16QAM	12	7	16.57	16.66	16.70	17.9
5	16QAM	12	13	16.66	16.56	16.65	
5	16QAM	25	0	16.50	16.81	16.59	
5	64QAM	1	0	16.69	16.66	16.87	
5	64QAM	1	12	16.59	16.69	16.60	17.9
5	64QAM	1	24	16.67	16.95	16.58	
5	64QAM	12	0	16.65	16.69	16.66	
5	64QAM	12	7	16.62	16.77	16.67	
5	64QAM	12	13	16.67	16.63	16.66	17.9
5	64QAM	25	0	16.79	16.71	16.80	
5	256QAM	1	0	16.58	16.67	16.77	
5	256QAM	1	12	16.67	16.74	16.65	
5	256QAM	1	24	16.77	16.79	16.57	17.9
5	256QAM	12	0	16.62	16.71	16.81	



5	256QAM	12	7	16.67	16.77	16.65	
5	256QAM	12	13	16.64	16.70	16.76	
5	256QAM	25	0	16.57	16.79	16.67	

5G NR Conducted Power

【FR1 n2_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	24.01	24.06	24.08	25.20
40	PI/2 BPSK	1	108	24.02	24.03	23.92	25.20
40	PI/2 BPSK	1	214	24.06	24.00	23.95	25.20
40	PI/2 BPSK	108	0	23.64	23.53	23.63	24.70
40	PI/2 BPSK	108	54	23.91	23.99	23.96	25.20
40	PI/2 BPSK	108	108	23.53	23.67	23.63	24.70
40	PI/2 BPSK	216	0	23.54	23.56	23.57	24.70
40	QPSK	1	1	24.03	23.96	24.05	25.20
40	QPSK	1	108	23.99	23.96	23.89	25.20
40	QPSK	1	214	23.95	23.92	23.98	25.20
40	QPSK	108	0	23.05	23.13	22.99	24.20
40	QPSK	108	54	24.05	23.96	23.97	25.20
40	QPSK	108	108	23.08	23.08	23.13	24.20
40	QPSK	216	0	23.07	23.06	23.16	24.20
40	16QAM	1	1	23.03	23.17	23.05	24.20
40	64QAM	1	1	21.55	21.64	21.61	22.70
40	256QAM	1	1	19.63	19.54	19.63	20.70
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	23.94	23.92	23.95	25.20
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	23.94	23.99	23.94	25.20
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	23.87	23.93	23.96	25.20
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.91	24.01	24.05	25.20
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.86	24.01	24.03	25.20
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.97	24.02	24.06	25.20
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.95	23.96	24.05	25.20

【FR1 n2_Ant 1_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	24.01	24.06	24.08	25.20
40	PI/2 BPSK	1	108	24.02	24.03	23.92	25.20
40	PI/2 BPSK	1	214	24.06	24.00	23.95	25.20
40	PI/2 BPSK	108	0	23.64	23.53	23.63	24.70
40	PI/2 BPSK	108	54	23.91	23.99	23.96	25.20
40	PI/2 BPSK	108	108	23.53	23.67	23.63	24.70
40	PI/2 BPSK	216	0	23.54	23.56	23.57	24.70
40	QPSK	1	1	24.03	23.96	24.05	25.20
40	QPSK	1	108	23.99	23.96	23.89	25.20
40	QPSK	1	214	23.95	23.92	23.98	25.20
40	QPSK	108	0	23.05	23.13	22.99	24.20
40	QPSK	108	54	24.05	23.96	23.97	25.20
40	QPSK	108	108	23.08	23.08	23.13	24.20
40	QPSK	216	0	23.07	23.06	23.16	24.20
40	16QAM	1	1	23.03	23.17	23.05	24.20
40	64QAM	1	1	21.55	21.64	21.61	22.70
40	256QAM	1	1	19.63	19.54	19.63	20.70
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	23.94	23.92	23.95	25.20
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	23.94	23.99	23.94	25.20
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	23.87	23.93	23.96	25.20
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.91	24.01	24.05	25.20
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.86	24.01	24.03	25.20
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.97	24.02	24.06	25.20
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.95	23.96	24.05	25.20

【FR1 n2_Ant 1_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	16.58	16.70	16.55	17.90
40	PI/2 BPSK	1	108	16.42	16.51	16.60	17.90
40	PI/2 BPSK	1	214	16.62	16.62	16.51	17.90
40	PI/2 BPSK	108	0	16.58	16.49	16.66	17.90
40	PI/2 BPSK	108	54	16.60	16.68	16.63	17.90
40	PI/2 BPSK	108	108	16.52	16.51	16.57	17.90
40	PI/2 BPSK	216	0	16.55	16.65	16.61	17.90
40	QPSK	1	1	16.43	16.59	16.46	17.90
40	QPSK	1	108	16.59	16.54	16.62	17.90
40	QPSK	1	214	16.59	16.53	16.48	17.90
40	QPSK	108	0	16.44	16.50	16.47	17.90
40	QPSK	108	54	16.42	16.45	16.66	17.90
40	QPSK	108	108	16.49	16.60	16.57	17.90
40	QPSK	216	0	16.47	16.44	16.61	17.90
40	16QAM	1	1	16.54	16.46	16.54	17.90
40	64QAM	1	1	16.61	16.54	16.48	17.90
40	256QAM	1	1	16.57	16.51	16.65	17.90
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	16.55	16.67	16.42	17.90
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	16.51	16.58	16.48	17.90

Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	16.47	16.67	16.50	17.90
Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	16.51	16.62	16.43	17.90
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	16.43	16.68	16.46	17.90
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	16.53	16.64	16.44	17.90
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	16.51	16.68	16.48	17.90

【FR1 n2_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	24.53	24.62	24.53	25.20
40	PI/2 BPSK	1	108	24.47	24.57	24.40	25.20
40	PI/2 BPSK	1	214	24.45	24.51	24.51	25.20
40	PI/2 BPSK	108	0	24.10	24.07	24.15	24.70
40	PI/2 BPSK	108	54	24.55	24.59	24.52	25.20
40	PI/2 BPSK	108	108	24.10	24.06	24.04	24.70
40	PI/2 BPSK	216	0	24.10	24.13	23.99	24.70
40	QPSK	1	1	24.55	24.58	24.48	25.20
40	QPSK	1	108	24.43	24.53	24.52	25.20
40	QPSK	1	214	24.54	24.46	24.38	25.20
40	QPSK	108	0	23.57	23.55	23.58	24.20
40	QPSK	108	54	24.47	24.57	24.39	25.20
40	QPSK	108	108	23.59	23.69	23.63	24.20
40	QPSK	216	0	23.65	23.65	23.56	24.20
40	16QAM	1	1	23.57	23.66	23.57	24.20
40	64QAM	1	1	22.21	22.06	22.02	22.70
40	256QAM	1	1	20.06	20.13	20.08	20.70
Channel				373500	376000	378500	Tune-up limit
Frequency (MHz)				1867.5	1880	1892.5	(dBm)
35	PI/2 BPSK	1	1	24.46	24.58	24.48	25.20
Channel				373000	376000	379000	Tune-up limit
Frequency (MHz)				1865	1880	1895	(dBm)
30	PI/2 BPSK	1	1	24.47	24.53	24.51	25.20
Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	24.50	24.52	24.45	25.20
Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	24.40	24.47	24.45	25.20
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	24.45	24.55	24.46	25.20
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	24.49	24.56	24.47	25.20
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	24.47	24.61	24.46	25.20

【FR1 n2_Ant 5_DSI0】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	24.53	24.62	24.53	25.20
40	PI/2 BPSK	1	108	24.47	24.57	24.40	25.20
40	PI/2 BPSK	1	214	24.45	24.51	24.51	25.20
40	PI/2 BPSK	108	0	24.10	24.07	24.15	24.70
40	PI/2 BPSK	108	54	24.55	24.59	24.52	25.20
40	PI/2 BPSK	108	108	24.10	24.06	24.04	24.70
40	PI/2 BPSK	216	0	24.10	24.13	23.99	24.70
40	QPSK	1	1	24.55	24.58	24.48	25.20
40	QPSK	1	108	24.43	24.53	24.52	25.20
40	QPSK	1	214	24.54	24.46	24.38	25.20
40	QPSK	108	0	23.57	23.55	23.58	24.20
40	QPSK	108	54	24.47	24.57	24.39	25.20
40	QPSK	108	108	23.59	23.69	23.63	24.20
40	QPSK	216	0	23.65	23.65	23.56	24.20
40	16QAM	1	1	23.57	23.66	23.57	24.20
40	64QAM	1	1	22.21	22.06	22.02	22.70
40	256QAM	1	1	20.06	20.13	20.08	20.70
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	24.46	24.58	24.48	25.20
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	24.47	24.53	24.51	25.20
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	24.50	24.52	24.45	25.20
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	24.40	24.47	24.45	25.20
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	24.45	24.55	24.46	25.20
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	24.49	24.56	24.47	25.20
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	24.47	24.61	24.46	25.20

【FR1 n2_Ant 5_DSI7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1880	1890	
40	PI/2 BPSK	1	1	16.84	16.89	16.82	17.30
40	PI/2 BPSK	1	108	16.88	16.74	16.82	17.30
40	PI/2 BPSK	1	214	16.81	16.83	16.82	17.30
40	PI/2 BPSK	108	0	16.81	16.77	16.85	17.30
40	PI/2 BPSK	108	54	16.81	16.94	16.66	17.30
40	PI/2 BPSK	108	108	16.78	16.94	16.72	17.30
40	PI/2 BPSK	216	0	16.70	16.90	16.62	17.30
40	QPSK	1	1	16.70	16.80	16.69	17.30
40	QPSK	1	108	16.79	16.77	16.63	17.30
40	QPSK	1	214	16.76	16.88	16.66	17.30
40	QPSK	108	0	16.83	16.81	16.89	17.30
40	QPSK	108	54	16.86	16.80	16.76	17.30
40	QPSK	108	108	16.87	16.84	16.64	17.30
40	QPSK	216	0	16.86	16.89	16.82	17.30
40	16QAM	1	1	16.81	16.92	16.79	17.30
40	64QAM	1	1	16.78	16.96	16.70	17.30
40	256QAM	1	1	16.79	16.81	16.68	17.30
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	16.82	16.78	16.79	17.30
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	16.80	16.79	16.73	17.30