



Appendix E. Output Power Measurement

<GSM Conducted Power>

【GSM850_Ant 0_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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

【GSM850_Ant 0_DSI 2】

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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

【GSM850_Ant 0_DSI 3】

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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

【GSM850_Ant 0_DSI 4】

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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

**【GSM850_Ant 0_DSI 6】**

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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

【GSM850_Ant 0_DSI 7】

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	
GSM 1 Tx slot	32.51	32.56	32.53	33.50	23.51	23.56	23.53	24.50
GPRS 1 Tx slot	32.49	32.54	32.52	33.50	23.49	23.54	23.52	24.50
GPRS 2 Tx slots	30.08	30.52	30.28	31.50	24.08	24.52	24.28	25.50
GPRS 3 Tx slots	28.53	28.52	28.79	29.50	24.27	24.26	24.53	25.24
GPRS 4 Tx slots	26.91	26.99	27.15	28.00	23.91	23.99	24.15	25.00
EDGE 1 Tx slot	25.90	26.12	26.20	27.00	16.90	17.12	17.20	18.00
EDGE 2 Tx slots	24.86	24.95	25.05	26.00	18.86	18.95	19.05	20.00
EDGE 3 Tx slots	23.28	23.50	23.68	24.50	19.02	19.24	19.42	20.24
EDGE 4 Tx slots	21.65	21.85	22.09	23.00	18.65	18.85	19.09	20.00

【GSM1900_Ant 8_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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50

【GSM1900_Ant 8_DSI 2】

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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50

**【GSM1900_Ant 8_DSI 3】**

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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50

【GSM1900_Ant 8_DSI 4】

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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50

【GSM1900_Ant 8_DSI 6】

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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50

【GSM1900_Ant 8_DSI 7】

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	
GSM 1 Tx slot	28.94	29.06	28.95	30.50	19.94	20.06	19.95	21.50
GPRS 1 Tx slot	28.93	29.04	29.05	30.50	19.93	20.04	20.05	21.50
GPRS 2 Tx slots	26.41	26.46	26.66	27.50	20.41	20.46	20.66	21.50
GPRS 3 Tx slots	25.24	25.32	25.22	26.50	20.98	21.06	20.96	22.24
GPRS 4 Tx slots	23.68	23.81	23.63	25.00	20.68	20.81	20.63	22.00
EDGE 1 Tx slot	24.66	24.81	24.77	26.00	15.66	15.81	15.77	17.00
EDGE 2 Tx slots	23.73	23.92	23.98	25.00	17.73	17.92	17.98	19.00
EDGE 3 Tx slots	22.19	22.37	22.51	23.50	17.93	18.11	18.25	19.24
EDGE 4 Tx slots	20.35	20.62	20.63	21.50	17.35	17.62	17.63	18.50



<WCDMA Conducted Power>

【WCDMA II_Ant 4_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.01	23.08	22.98	24.00
3GPP Rel 99	RMC 12.2Kbps	23.05	23.11	23.02	24.00
3GPP Rel 6	HSDPA Subtest-1	21.90	22.10	21.93	23.00
3GPP Rel 6	HSDPA Subtest-2	21.87	22.08	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	21.39	21.55	21.31	22.50
3GPP Rel 6	HSDPA Subtest-4	21.35	21.52	21.29	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.87	22.05	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.89	22.03	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.46	21.56	21.42	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.33	21.51	21.40	22.50
3GPP Rel 6	HSUPA Subtest-1	21.87	22.01	21.90	23.00
3GPP Rel 6	HSUPA Subtest-2	19.88	20.05	19.89	21.00
3GPP Rel 6	HSUPA Subtest-3	20.92	21.09	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	19.90	20.02	19.85	21.00
3GPP Rel 6	HSUPA Subtest-5	21.86	22.06	21.82	23.00

【WCDMA II_Ant 4_DSI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	16.68	16.74	16.70	18.00
3GPP Rel 99	RMC 12.2Kbps	16.71	16.79	16.75	18.00
3GPP Rel 6	HSDPA Subtest-1	15.66	15.81	15.67	17.00
3GPP Rel 6	HSDPA Subtest-2	15.69	15.77	15.62	17.00
3GPP Rel 6	HSDPA Subtest-3	15.16	15.28	15.15	16.50
3GPP Rel 6	HSDPA Subtest-4	15.08	15.25	15.19	16.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.65	15.75	15.66	17.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.53	15.73	15.57	17.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.05	15.22	15.16	16.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.08	15.24	15.11	16.50
3GPP Rel 6	HSUPA Subtest-1	15.54	15.71	15.66	17.00
3GPP Rel 6	HSUPA Subtest-2	13.67	13.74	13.60	15.00
3GPP Rel 6	HSUPA Subtest-3	14.59	14.75	14.66	16.00
3GPP Rel 6	HSUPA Subtest-4	13.53	13.71	13.64	15.00
3GPP Rel 6	HSUPA Subtest-5	15.54	15.68	15.55	17.00

【WCDMA II_Ant 4_DSI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	18.88	18.82	18.67	19.90
3GPP Rel 99	RMC 12.2Kbps	18.67	18.99	18.96	19.90
3GPP Rel 6	HSDPA Subtest-1	17.75	17.83	17.74	18.90
3GPP Rel 6	HSDPA Subtest-2	17.50	17.59	17.50	18.90
3GPP Rel 6	HSDPA Subtest-3	17.20	17.12	17.38	18.40
3GPP Rel 6	HSDPA Subtest-4	17.18	17.41	17.19	18.40
3GPP Rel 8	DC-HSDPA Subtest-1	17.84	17.85	17.63	18.90
3GPP Rel 8	DC-HSDPA Subtest-2	17.58	17.84	17.65	18.90
3GPP Rel 8	DC-HSDPA Subtest-3	17.12	17.31	17.39	18.40
3GPP Rel 8	DC-HSDPA Subtest-4	17.08	17.23	17.26	18.40
3GPP Rel 6	HSUPA Subtest-1	17.65	17.61	17.67	18.90
3GPP Rel 6	HSUPA Subtest-2	15.59	15.85	15.68	16.90
3GPP Rel 6	HSUPA Subtest-3	16.53	16.84	16.69	17.90
3GPP Rel 6	HSUPA Subtest-4	15.71	15.57	15.66	16.90
3GPP Rel 6	HSUPA Subtest-5	17.78	17.68	17.58	18.90



【WCDMA II_Ant 4_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.01	23.08	22.98	24.00
3GPP Rel 99	RMC 12.2Kbps	23.05	23.11	23.02	24.00
3GPP Rel 6	HSDPA Subtest-1	21.90	22.10	21.93	23.00
3GPP Rel 6	HSDPA Subtest-2	21.87	22.08	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	21.39	21.55	21.31	22.50
3GPP Rel 6	HSDPA Subtest-4	21.35	21.52	21.29	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.87	22.05	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.89	22.03	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.46	21.56	21.42	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.33	21.51	21.40	22.50
3GPP Rel 6	HSUPA Subtest-1	21.87	22.01	21.90	23.00
3GPP Rel 6	HSUPA Subtest-2	19.88	20.05	19.89	21.00
3GPP Rel 6	HSUPA Subtest-3	20.92	21.09	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	19.90	20.02	19.85	21.00
3GPP Rel 6	HSUPA Subtest-5	21.86	22.06	21.82	23.00

【WCDMA II_Ant 4_DSI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.16	20.22	20.15	21.20
3GPP Rel 99	RMC 12.2Kbps	20.21	20.25	20.18	21.20
3GPP Rel 6	HSDPA Subtest-1	19.17	19.28	19.13	20.20
3GPP Rel 6	HSDPA Subtest-2	19.12	19.23	19.12	20.20
3GPP Rel 6	HSDPA Subtest-3	18.67	18.77	18.68	19.70
3GPP Rel 6	HSDPA Subtest-4	18.62	18.75	18.64	19.70
3GPP Rel 8	DC-HSDPA Subtest-1	19.07	19.24	19.09	20.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.11	19.19	19.10	20.20
3GPP Rel 8	DC-HSDPA Subtest-3	18.57	18.73	18.65	19.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.51	18.71	18.60	19.70
3GPP Rel 6	HSUPA Subtest-1	19.04	19.21	19.01	20.20
3GPP Rel 6	HSUPA Subtest-2	17.14	17.28	17.10	18.20
3GPP Rel 6	HSUPA Subtest-3	18.06	18.23	18.11	19.20
3GPP Rel 6	HSUPA Subtest-4	17.06	17.25	17.13	18.20
3GPP Rel 6	HSUPA Subtest-5	19.06	19.18	19.09	20.20

【WCDMA II_Ant 4_DSI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	16.02	16.11	15.88	17.30
3GPP Rel 99	RMC 12.2Kbps	16.21	16.28	16.25	17.30
3GPP Rel 6	HSDPA Subtest-1	14.79	14.99	15.04	16.30
3GPP Rel 6	HSDPA Subtest-2	14.87	15.12	14.92	16.30
3GPP Rel 6	HSDPA Subtest-3	14.49	14.53	14.26	15.80
3GPP Rel 6	HSDPA Subtest-4	14.42	14.47	14.18	15.80
3GPP Rel 8	DC-HSDPA Subtest-1	14.88	15.13	14.95	16.30
3GPP Rel 8	DC-HSDPA Subtest-2	14.92	14.94	14.87	16.30
3GPP Rel 8	DC-HSDPA Subtest-3	14.42	14.50	14.40	15.80
3GPP Rel 8	DC-HSDPA Subtest-4	14.27	14.52	14.45	15.80
3GPP Rel 6	HSUPA Subtest-1	14.88	15.11	14.90	16.30
3GPP Rel 6	HSUPA Subtest-2	12.81	13.11	12.90	14.30
3GPP Rel 6	HSUPA Subtest-3	13.93	14.01	14.05	15.30
3GPP Rel 6	HSUPA Subtest-4	12.95	13.03	12.82	14.30
3GPP Rel 6	HSUPA Subtest-5	14.96	15.03	14.94	16.30



【WCDMA II_Ant 8_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.39	23.54	23.37	24.00
3GPP Rel 99	RMC 12.2Kbps	23.47	23.61	23.59	24.00
3GPP Rel 6	HSDPA Subtest-1	22.46	22.71	22.70	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.55	22.55	23.00
3GPP Rel 6	HSDPA Subtest-3	22.14	22.20	22.16	22.50
3GPP Rel 6	HSDPA Subtest-4	22.17	22.24	22.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.54	22.77	22.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.40	22.67	22.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.90	22.15	21.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.23	22.15	22.04	22.50
3GPP Rel 6	HSUPA Subtest-1	22.73	22.56	22.70	23.00
3GPP Rel 6	HSUPA Subtest-2	20.49	20.68	20.49	21.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.68	21.59	22.00
3GPP Rel 6	HSUPA Subtest-4	20.53	20.79	20.63	21.00
3GPP Rel 6	HSUPA Subtest-5	22.53	22.82	22.53	23.00

【WCDMA II_Ant 8_DSI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.39	23.54	23.37	24.00
3GPP Rel 99	RMC 12.2Kbps	23.47	23.61	23.59	24.00
3GPP Rel 6	HSDPA Subtest-1	22.46	22.71	22.70	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.55	22.55	23.00
3GPP Rel 6	HSDPA Subtest-3	22.14	22.20	22.16	22.50
3GPP Rel 6	HSDPA Subtest-4	22.17	22.24	22.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.54	22.77	22.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.40	22.67	22.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.90	22.15	21.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.23	22.15	22.04	22.50
3GPP Rel 6	HSUPA Subtest-1	22.73	22.56	22.70	23.00
3GPP Rel 6	HSUPA Subtest-2	20.49	20.68	20.49	21.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.68	21.59	22.00
3GPP Rel 6	HSUPA Subtest-4	20.53	20.79	20.63	21.00
3GPP Rel 6	HSUPA Subtest-5	22.53	22.82	22.53	23.00

【WCDMA II_Ant 8_DSI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.67	19.62	19.48	20.70
3GPP Rel 99	RMC 12.2Kbps	19.58	19.79	19.71	20.70
3GPP Rel 6	HSDPA Subtest-1	18.54	18.67	18.62	19.70
3GPP Rel 6	HSDPA Subtest-2	18.48	18.54	18.51	19.70
3GPP Rel 6	HSDPA Subtest-3	18.21	18.04	18.18	19.20
3GPP Rel 6	HSDPA Subtest-4	18.14	18.20	18.07	19.20
3GPP Rel 8	DC-HSDPA Subtest-1	18.62	18.63	18.64	19.70
3GPP Rel 8	DC-HSDPA Subtest-2	18.58	18.67	18.66	19.70
3GPP Rel 8	DC-HSDPA Subtest-3	18.08	18.18	18.19	19.20
3GPP Rel 8	DC-HSDPA Subtest-4	18.06	18.20	18.15	19.20
3GPP Rel 6	HSUPA Subtest-1	18.56	18.49	18.49	19.70
3GPP Rel 6	HSUPA Subtest-2	16.58	16.71	16.65	17.70
3GPP Rel 6	HSUPA Subtest-3	17.49	17.71	17.61	18.70
3GPP Rel 6	HSUPA Subtest-4	16.54	16.55	16.67	17.70
3GPP Rel 6	HSUPA Subtest-5	18.63	18.51	18.56	19.70



【WCDMA II_Ant 8_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.39	23.54	23.37	24.00
3GPP Rel 99	RMC 12.2Kbps	23.47	23.61	23.59	24.00
3GPP Rel 6	HSDPA Subtest-1	22.46	22.71	22.70	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.55	22.55	23.00
3GPP Rel 6	HSDPA Subtest-3	22.14	22.20	22.16	22.50
3GPP Rel 6	HSDPA Subtest-4	22.17	22.24	22.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.54	22.77	22.56	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.40	22.67	22.47	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.90	22.15	21.99	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.23	22.15	22.04	22.50
3GPP Rel 6	HSUPA Subtest-1	22.73	22.56	22.70	23.00
3GPP Rel 6	HSUPA Subtest-2	20.49	20.68	20.49	21.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.68	21.59	22.00
3GPP Rel 6	HSUPA Subtest-4	20.53	20.79	20.63	21.00
3GPP Rel 6	HSUPA Subtest-5	22.53	22.82	22.53	23.00

【WCDMA II_Ant 8_DSI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.22	21.26	21.21	22.30
3GPP Rel 99	RMC 12.2Kbps	21.26	21.30	21.24	22.30
3GPP Rel 6	HSDPA Subtest-1	20.27	20.33	20.25	21.30
3GPP Rel 6	HSDPA Subtest-2	20.23	20.31	20.17	21.30
3GPP Rel 6	HSDPA Subtest-3	19.80	19.88	19.78	20.80
3GPP Rel 6	HSDPA Subtest-4	19.77	19.83	19.73	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	20.15	20.28	20.16	21.30
3GPP Rel 8	DC-HSDPA Subtest-2	20.08	20.25	20.14	21.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.70	19.85	19.72	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.63	19.82	19.76	20.80
3GPP Rel 6	HSUPA Subtest-1	20.14	20.26	20.19	21.30
3GPP Rel 6	HSUPA Subtest-2	18.13	18.31	18.16	19.30
3GPP Rel 6	HSUPA Subtest-3	19.20	19.28	19.12	20.30
3GPP Rel 6	HSUPA Subtest-4	18.06	18.24	18.18	19.30
3GPP Rel 6	HSUPA Subtest-5	20.10	20.24	20.07	21.30

【WCDMA II_Ant 8_DSI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	16.79	17.06	16.75	18.50
3GPP Rel 99	RMC 12.2Kbps	17.23	17.28	17.21	18.50
3GPP Rel 6	HSDPA Subtest-1	15.86	16.20	16.20	17.50
3GPP Rel 6	HSDPA Subtest-2	15.93	16.15	16.07	17.50
3GPP Rel 6	HSDPA Subtest-3	15.69	15.71	15.59	17.00
3GPP Rel 6	HSDPA Subtest-4	15.70	15.65	15.63	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.92	16.31	16.17	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.01	16.24	15.98	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.48	15.70	15.58	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.68	15.76	15.45	17.00
3GPP Rel 6	HSUPA Subtest-1	16.14	15.97	16.14	17.50
3GPP Rel 6	HSUPA Subtest-2	13.87	14.20	13.99	15.50
3GPP Rel 6	HSUPA Subtest-3	15.01	15.30	15.19	16.50
3GPP Rel 6	HSUPA Subtest-4	13.91	14.33	14.24	15.50
3GPP Rel 6	HSUPA Subtest-5	16.01	16.38	15.95	17.50



【WCDMA IV_Ant 4_Full Power】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.03	23.08	22.99	24.00
3GPP Rel 99	RMC 12.2Kbps	23.10	23.12	23.08	24.00
3GPP Rel 6	HSDPA Subtest-1	22.05	22.15	22.01	23.00
3GPP Rel 6	HSDPA Subtest-2	21.95	22.11	21.98	23.00
3GPP Rel 6	HSDPA Subtest-3	21.44	21.62	21.41	22.50
3GPP Rel 6	HSDPA Subtest-4	21.43	21.58	21.43	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.05	22.13	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.00	22.09	21.98	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.37	21.55	21.37	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.53	21.42	22.50
3GPP Rel 6	HSUPA Subtest-1	21.94	22.10	21.89	23.00
3GPP Rel 6	HSUPA Subtest-2	20.08	20.15	20.05	21.00
3GPP Rel 6	HSUPA Subtest-3	20.97	21.13	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	19.96	20.08	19.88	21.00
3GPP Rel 6	HSUPA Subtest-5	21.94	22.08	21.96	23.00

【WCDMA IV_Ant 4_DSI 2】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.76	17.78	17.71	19.10
3GPP Rel 99	RMC 12.2Kbps	17.79	17.83	17.75	19.10
3GPP Rel 6	HSDPA Subtest-1	16.76	16.85	16.67	18.10
3GPP Rel 6	HSDPA Subtest-2	16.77	16.83	16.74	18.10
3GPP Rel 6	HSDPA Subtest-3	16.25	16.36	16.15	17.60
3GPP Rel 6	HSDPA Subtest-4	16.23	16.31	16.22	17.60
3GPP Rel 8	DC-HSDPA Subtest-1	16.73	16.81	16.62	18.10
3GPP Rel 8	DC-HSDPA Subtest-2	16.68	16.78	16.68	18.10
3GPP Rel 8	DC-HSDPA Subtest-3	16.25	16.33	16.25	17.60
3GPP Rel 8	DC-HSDPA Subtest-4	16.29	16.32	16.16	17.60
3GPP Rel 6	HSUPA Subtest-1	16.59	16.75	16.61	18.10
3GPP Rel 6	HSUPA Subtest-2	14.71	14.83	14.70	16.10
3GPP Rel 6	HSUPA Subtest-3	15.69	15.79	15.66	17.10
3GPP Rel 6	HSUPA Subtest-4	14.70	14.78	14.69	16.10
3GPP Rel 6	HSUPA Subtest-5	16.61	16.71	16.51	18.10

【WCDMA IV_Ant 4_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.69	19.77	19.54	21.10
3GPP Rel 99	RMC 12.2Kbps	19.85	19.86	19.78	21.10
3GPP Rel 6	HSDPA Subtest-1	18.55	18.70	18.75	20.10
3GPP Rel 6	HSDPA Subtest-2	18.61	18.74	18.69	20.10
3GPP Rel 6	HSDPA Subtest-3	18.42	18.15	18.28	19.60
3GPP Rel 6	HSDPA Subtest-4	18.32	18.32	18.17	19.60
3GPP Rel 8	DC-HSDPA Subtest-1	18.80	18.71	18.81	20.10
3GPP Rel 8	DC-HSDPA Subtest-2	18.70	18.74	18.81	20.10
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.18	18.17	19.60
3GPP Rel 8	DC-HSDPA Subtest-4	18.16	18.23	18.16	19.60
3GPP Rel 6	HSUPA Subtest-1	18.59	18.54	18.59	20.10
3GPP Rel 6	HSUPA Subtest-2	16.57	16.90	16.84	18.10
3GPP Rel 6	HSUPA Subtest-3	17.69	17.76	17.63	19.10
3GPP Rel 6	HSUPA Subtest-4	16.73	16.55	16.78	18.10
3GPP Rel 6	HSUPA Subtest-5	18.76	18.50	18.59	20.10

**【WCDMA IV_Ant 4_DSI 4】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.03	23.08	22.99	24.00
3GPP Rel 99	RMC 12.2Kbps	23.10	23.12	23.08	24.00
3GPP Rel 6	HSDPA Subtest-1	22.05	22.15	22.01	23.00
3GPP Rel 6	HSDPA Subtest-2	21.95	22.11	21.98	23.00
3GPP Rel 6	HSDPA Subtest-3	21.44	21.62	21.41	22.50
3GPP Rel 6	HSDPA Subtest-4	21.43	21.58	21.43	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.05	22.13	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.00	22.09	21.98	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.37	21.55	21.37	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.37	21.53	21.42	22.50
3GPP Rel 6	HSUPA Subtest-1	21.94	22.10	21.89	23.00
3GPP Rel 6	HSUPA Subtest-2	20.08	20.15	20.05	21.00
3GPP Rel 6	HSUPA Subtest-3	20.97	21.13	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	19.96	20.08	19.88	21.00
3GPP Rel 6	HSUPA Subtest-5	21.94	22.08	21.96	23.00

【WCDMA IV_Ant 4_DSI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.18	20.21	20.15	21.20
3GPP Rel 99	RMC 12.2Kbps	20.22	20.25	20.19	21.20
3GPP Rel 6	HSDPA Subtest-1	19.18	19.28	19.14	20.20
3GPP Rel 6	HSDPA Subtest-2	19.17	19.24	19.07	20.20
3GPP Rel 6	HSDPA Subtest-3	18.73	18.78	18.59	19.70
3GPP Rel 6	HSDPA Subtest-4	18.60	18.76	18.68	19.70
3GPP Rel 8	DC-HSDPA Subtest-1	19.17	19.25	19.10	20.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.07	19.21	19.07	20.20
3GPP Rel 8	DC-HSDPA Subtest-3	18.57	18.73	18.55	19.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.67	18.71	18.63	19.70
3GPP Rel 6	HSUPA Subtest-1	19.13	19.19	19.00	20.20
3GPP Rel 6	HSUPA Subtest-2	17.24	17.30	17.18	18.20
3GPP Rel 6	HSUPA Subtest-3	18.16	18.26	18.14	19.20
3GPP Rel 6	HSUPA Subtest-4	17.16	17.27	17.18	18.20
3GPP Rel 6	HSUPA Subtest-5	19.00	19.18	19.02	20.20

【WCDMA IV_Ant 4_DSI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.98	16.89	17.08	18.10
3GPP Rel 99	RMC 12.2Kbps	17.25	17.33	17.29	18.10
3GPP Rel 6	HSDPA Subtest-1	16.02	16.22	16.03	17.10
3GPP Rel 6	HSDPA Subtest-2	16.15	15.95	16.12	17.10
3GPP Rel 6	HSDPA Subtest-3	15.60	15.63	15.70	16.60
3GPP Rel 6	HSDPA Subtest-4	15.52	15.60	15.72	16.60
3GPP Rel 8	DC-HSDPA Subtest-1	16.03	16.30	15.90	17.10
3GPP Rel 8	DC-HSDPA Subtest-2	16.07	16.02	16.00	17.10
3GPP Rel 8	DC-HSDPA Subtest-3	15.49	15.52	15.57	16.60
3GPP Rel 8	DC-HSDPA Subtest-4	15.75	15.74	15.75	16.60
3GPP Rel 6	HSUPA Subtest-1	16.16	16.09	16.22	17.10
3GPP Rel 6	HSUPA Subtest-2	14.05	14.34	14.12	15.10
3GPP Rel 6	HSUPA Subtest-3	15.02	15.10	15.33	16.10
3GPP Rel 6	HSUPA Subtest-4	13.95	14.22	14.22	15.10
3GPP Rel 6	HSUPA Subtest-5	16.04	16.24	16.09	17.10

**【WCDMA IV_Ant 8_Full Power】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.50	23.37	23.44	24.00
3GPP Rel 99	RMC 12.2Kbps	23.52	23.66	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.57	22.59	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.40	22.63	23.00
3GPP Rel 6	HSDPA Subtest-3	22.06	22.18	22.19	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.16	22.10	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.78	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.46	22.59	22.43	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.93	21.94	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.09	22.09	22.16	22.50
3GPP Rel 6	HSUPA Subtest-1	22.66	22.61	22.60	23.00
3GPP Rel 6	HSUPA Subtest-2	20.44	20.71	20.51	21.00
3GPP Rel 6	HSUPA Subtest-3	21.55	21.58	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	20.42	20.56	20.62	21.00
3GPP Rel 6	HSUPA Subtest-5	22.44	22.78	22.65	23.00

【WCDMA IV_Ant 8_DSI 2】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.50	23.37	23.44	24.00
3GPP Rel 99	RMC 12.2Kbps	23.52	23.66	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.57	22.59	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.40	22.63	23.00
3GPP Rel 6	HSDPA Subtest-3	22.06	22.18	22.19	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.16	22.10	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.78	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.46	22.59	22.43	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.93	21.94	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.09	22.09	22.16	22.50
3GPP Rel 6	HSUPA Subtest-1	22.66	22.61	22.60	23.00
3GPP Rel 6	HSUPA Subtest-2	20.44	20.71	20.51	21.00
3GPP Rel 6	HSUPA Subtest-3	21.55	21.58	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	20.42	20.56	20.62	21.00
3GPP Rel 6	HSUPA Subtest-5	22.44	22.78	22.65	23.00

【WCDMA IV_Ant 8_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.13	20.00	19.91	21.20
3GPP Rel 99	RMC 12.2Kbps	20.25	20.33	20.19	21.20
3GPP Rel 6	HSDPA Subtest-1	19.11	19.05	19.09	20.20
3GPP Rel 6	HSDPA Subtest-2	19.08	19.12	19.03	20.20
3GPP Rel 6	HSDPA Subtest-3	18.67	18.43	18.72	19.70
3GPP Rel 6	HSDPA Subtest-4	18.53	18.68	18.47	19.70
3GPP Rel 8	DC-HSDPA Subtest-1	19.01	19.24	19.19	20.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.17	19.18	19.25	20.20
3GPP Rel 8	DC-HSDPA Subtest-3	18.54	18.78	18.78	19.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.47	18.72	18.63	19.70
3GPP Rel 6	HSUPA Subtest-1	19.08	19.08	18.92	20.20
3GPP Rel 6	HSUPA Subtest-2	16.98	17.13	17.13	18.20
3GPP Rel 6	HSUPA Subtest-3	17.90	18.31	18.12	19.20
3GPP Rel 6	HSUPA Subtest-4	17.05	17.03	17.06	18.20
3GPP Rel 6	HSUPA Subtest-5	19.06	18.98	19.05	20.20

**【WCDMA IV_Ant 8_DSI 4】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.50	23.37	23.44	24.00
3GPP Rel 99	RMC 12.2Kbps	23.52	23.66	23.65	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.57	22.59	23.00
3GPP Rel 6	HSDPA Subtest-2	22.52	22.40	22.63	23.00
3GPP Rel 6	HSDPA Subtest-3	22.06	22.18	22.19	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.16	22.10	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.78	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.46	22.59	22.43	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.93	21.94	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.09	22.09	22.16	22.50
3GPP Rel 6	HSUPA Subtest-1	22.66	22.61	22.60	23.00
3GPP Rel 6	HSUPA Subtest-2	20.44	20.71	20.51	21.00
3GPP Rel 6	HSUPA Subtest-3	21.55	21.58	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	20.42	20.56	20.62	21.00
3GPP Rel 6	HSUPA Subtest-5	22.44	22.78	22.65	23.00

【WCDMA IV_Ant 8_DSI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.22	22.26	22.19	23.20
3GPP Rel 99	RMC 12.2Kbps	22.28	22.30	22.25	23.20
3GPP Rel 6	HSDPA Subtest-1	21.22	21.33	21.15	22.20
3GPP Rel 6	HSDPA Subtest-2	21.18	21.31	21.22	22.20
3GPP Rel 6	HSDPA Subtest-3	20.68	20.84	20.70	21.70
3GPP Rel 6	HSDPA Subtest-4	20.74	20.81	20.65	21.70
3GPP Rel 8	DC-HSDPA Subtest-1	21.12	21.28	21.12	22.20
3GPP Rel 8	DC-HSDPA Subtest-2	21.16	21.25	21.07	22.20
3GPP Rel 8	DC-HSDPA Subtest-3	20.68	20.75	20.60	21.70
3GPP Rel 8	DC-HSDPA Subtest-4	20.74	20.79	20.58	21.70
3GPP Rel 6	HSUPA Subtest-1	21.12	21.26	21.14	22.20
3GPP Rel 6	HSUPA Subtest-2	19.13	19.28	19.17	20.20
3GPP Rel 6	HSUPA Subtest-3	20.18	20.30	20.18	21.20
3GPP Rel 6	HSUPA Subtest-4	19.07	19.25	19.17	20.20
3GPP Rel 6	HSUPA Subtest-5	21.10	21.24	21.08	22.20

【WCDMA IV_Ant 8_DSI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.05	18.99	18.94	20.20
3GPP Rel 99	RMC 12.2Kbps	19.31	19.32	19.29	20.20
3GPP Rel 6	HSDPA Subtest-1	18.11	18.15	18.29	19.20
3GPP Rel 6	HSDPA Subtest-2	18.16	17.99	18.14	19.20
3GPP Rel 6	HSDPA Subtest-3	17.58	17.84	17.72	18.70
3GPP Rel 6	HSDPA Subtest-4	17.67	17.84	17.78	18.70
3GPP Rel 8	DC-HSDPA Subtest-1	18.23	18.36	17.86	19.20
3GPP Rel 8	DC-HSDPA Subtest-2	18.14	18.19	18.12	19.20
3GPP Rel 8	DC-HSDPA Subtest-3	17.60	17.58	17.42	18.70
3GPP Rel 8	DC-HSDPA Subtest-4	17.79	17.80	17.87	18.70
3GPP Rel 6	HSUPA Subtest-1	18.21	18.27	18.23	19.20
3GPP Rel 6	HSUPA Subtest-2	16.05	16.30	16.09	17.20
3GPP Rel 6	HSUPA Subtest-3	17.21	17.13	17.18	18.20
3GPP Rel 6	HSUPA Subtest-4	16.01	16.26	16.23	17.20
3GPP Rel 6	HSUPA Subtest-5	18.09	18.48	18.31	19.20

**【WCDMA V_Ant 0_Full Power】**

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00

【WCDMA V_Ant 0_DSI 2】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00

【WCDMA V_Ant 0_DSI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00



【WCDMA V_Ant 0_DSI 4】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00

【WCDMA V_Ant 0_DSI 6】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00

【WCDMA V_Ant 0_DSI 7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.63	23.65	24.00
3GPP Rel 99	RMC 12.2Kbps	23.77	23.83	23.81	24.00
3GPP Rel 6	HSDPA Subtest-1	22.77	22.89	22.80	23.00
3GPP Rel 6	HSDPA Subtest-2	22.70	22.74	22.85	23.00
3GPP Rel 6	HSDPA Subtest-3	22.29	22.37	22.38	22.50
3GPP Rel 6	HSDPA Subtest-4	22.30	22.32	22.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.92	22.69	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.65	22.81	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.31	22.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.24	22.33	22.50
3GPP Rel 6	HSUPA Subtest-1	22.86	22.85	22.82	23.00
3GPP Rel 6	HSUPA Subtest-2	20.78	20.92	20.70	21.00
3GPP Rel 6	HSUPA Subtest-3	21.79	21.82	21.86	22.00
3GPP Rel 6	HSUPA Subtest-4	20.66	20.92	20.83	21.00
3GPP Rel 6	HSUPA Subtest-5	22.80	22.95	22.83	23.00



【WCDMA V_Ant 1_Full Power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.75	22.81	22.77	24.00
3GPP Rel 99	RMC 12.2Kbps	22.78	22.85	22.81	24.00
3GPP Rel 6	HSDPA Subtest-1	21.80	21.88	21.72	23.00
3GPP Rel 6	HSDPA Subtest-2	21.65	21.83	21.74	23.00
3GPP Rel 6	HSDPA Subtest-3	21.17	21.35	21.19	22.50
3GPP Rel 6	HSDPA Subtest-4	21.21	21.31	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.73	21.82	21.63	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.65	21.80	21.61	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.17	21.33	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.17	21.29	21.14	22.50
3GPP Rel 6	HSUPA Subtest-1	21.66	21.78	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	19.63	19.81	19.67	21.00
3GPP Rel 6	HSUPA Subtest-3	20.73	20.83	20.70	22.00
3GPP Rel 6	HSUPA Subtest-4	19.71	19.78	19.66	21.00
3GPP Rel 6	HSUPA Subtest-5	21.62	21.77	21.71	23.00

【WCDMA V_Ant 1_DSI 2】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.66	20.74	20.69	21.80
3GPP Rel 99	RMC 12.2Kbps	20.71	20.77	20.73	21.80
3GPP Rel 6	HSDPA Subtest-1	19.57	19.79	19.61	20.80
3GPP Rel 6	HSDPA Subtest-2	19.56	19.73	19.55	20.80
3GPP Rel 6	HSDPA Subtest-3	19.04	19.25	19.08	20.30
3GPP Rel 6	HSDPA Subtest-4	19.03	19.21	19.09	20.30
3GPP Rel 8	DC-HSDPA Subtest-1	19.60	19.75	19.58	20.80
3GPP Rel 8	DC-HSDPA Subtest-2	19.53	19.71	19.54	20.80
3GPP Rel 8	DC-HSDPA Subtest-3	19.04	19.23	19.14	20.30
3GPP Rel 8	DC-HSDPA Subtest-4	19.04	19.19	19.12	20.30
3GPP Rel 6	HSUPA Subtest-1	19.57	19.68	19.52	20.80
3GPP Rel 6	HSUPA Subtest-2	17.49	17.69	17.60	18.80
3GPP Rel 6	HSUPA Subtest-3	18.57	18.73	18.56	19.80
3GPP Rel 6	HSUPA Subtest-4	17.44	17.65	17.49	18.80
3GPP Rel 6	HSUPA Subtest-5	19.44	19.66	19.57	20.80

【WCDMA V_Ant 1_DSI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.14	20.00	19.98	21.50
3GPP Rel 99	RMC 12.2Kbps	20.21	20.39	20.25	21.50
3GPP Rel 6	HSDPA Subtest-1	19.05	19.14	19.04	20.50
3GPP Rel 6	HSDPA Subtest-2	19.00	18.96	19.09	20.50
3GPP Rel 6	HSDPA Subtest-3	18.83	18.43	18.69	20.00
3GPP Rel 6	HSDPA Subtest-4	18.73	18.65	18.50	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.18	19.09	19.26	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.19	19.24	19.25	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.65	18.58	18.57	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.44	18.71	18.64	20.00
3GPP Rel 6	HSUPA Subtest-1	19.01	18.97	19.04	20.50
3GPP Rel 6	HSUPA Subtest-2	17.09	17.23	17.22	18.50
3GPP Rel 6	HSUPA Subtest-3	18.10	18.15	18.19	19.50
3GPP Rel 6	HSUPA Subtest-4	16.96	17.11	17.21	18.50
3GPP Rel 6	HSUPA Subtest-5	19.22	19.12	19.10	20.50



【WCDMA V_Ant 1_DSI 4】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.75	22.81	22.77	24.00
3GPP Rel 99	RMC 12.2Kbps	22.78	22.85	22.81	24.00
3GPP Rel 6	HSDPA Subtest-1	21.80	21.88	21.72	23.00
3GPP Rel 6	HSDPA Subtest-2	21.65	21.83	21.74	23.00
3GPP Rel 6	HSDPA Subtest-3	21.17	21.35	21.19	22.50
3GPP Rel 6	HSDPA Subtest-4	21.21	21.31	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.73	21.82	21.63	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.65	21.80	21.61	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.17	21.33	21.23	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.17	21.29	21.14	22.50
3GPP Rel 6	HSUPA Subtest-1	21.66	21.78	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	19.63	19.81	19.67	21.00
3GPP Rel 6	HSUPA Subtest-3	20.73	20.83	20.70	22.00
3GPP Rel 6	HSUPA Subtest-4	19.71	19.78	19.66	21.00
3GPP Rel 6	HSUPA Subtest-5	21.62	21.77	21.71	23.00

【WCDMA V_Ant 1_DSI 6】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.75	22.81	22.77	23.80
3GPP Rel 99	RMC 12.2Kbps	22.78	22.85	22.81	23.80
3GPP Rel 6	HSDPA Subtest-1	21.80	21.88	21.72	22.80
3GPP Rel 6	HSDPA Subtest-2	21.65	21.83	21.74	22.80
3GPP Rel 6	HSDPA Subtest-3	21.17	21.35	21.19	22.30
3GPP Rel 6	HSDPA Subtest-4	21.21	21.31	21.15	22.30
3GPP Rel 8	DC-HSDPA Subtest-1	21.73	21.82	21.63	22.80
3GPP Rel 8	DC-HSDPA Subtest-2	21.65	21.80	21.61	22.80
3GPP Rel 8	DC-HSDPA Subtest-3	21.17	21.33	21.23	22.30
3GPP Rel 8	DC-HSDPA Subtest-4	21.17	21.29	21.14	22.30
3GPP Rel 6	HSUPA Subtest-1	21.66	21.78	21.66	22.80
3GPP Rel 6	HSUPA Subtest-2	19.63	19.81	19.67	20.80
3GPP Rel 6	HSUPA Subtest-3	20.73	20.83	20.70	21.80
3GPP Rel 6	HSUPA Subtest-4	19.71	19.78	19.66	20.80
3GPP Rel 6	HSUPA Subtest-5	21.62	21.77	21.71	22.80

【WCDMA V_Ant 1_DSI 7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	19.00	19.11	19.08	20.40
3GPP Rel 99	RMC 12.2Kbps	19.15	19.19	19.14	20.40
3GPP Rel 6	HSDPA Subtest-1	17.99	18.07	17.88	19.40
3GPP Rel 6	HSDPA Subtest-2	17.99	17.96	17.99	19.40
3GPP Rel 6	HSDPA Subtest-3	17.33	17.50	17.39	18.90
3GPP Rel 6	HSDPA Subtest-4	17.44	17.60	17.47	18.90
3GPP Rel 8	DC-HSDPA Subtest-1	17.95	18.19	17.82	19.40
3GPP Rel 8	DC-HSDPA Subtest-2	17.87	18.12	17.79	19.40
3GPP Rel 8	DC-HSDPA Subtest-3	17.54	17.59	17.42	18.90
3GPP Rel 8	DC-HSDPA Subtest-4	17.41	17.56	17.42	18.90
3GPP Rel 6	HSUPA Subtest-1	17.92	18.08	18.02	19.40
3GPP Rel 6	HSUPA Subtest-2	15.81	15.94	15.84	17.40
3GPP Rel 6	HSUPA Subtest-3	17.02	16.97	17.07	18.40
3GPP Rel 6	HSUPA Subtest-4	16.07	16.10	15.94	17.40
3GPP Rel 6	HSUPA Subtest-5	17.90	18.00	17.97	19.40



<LTE Conducted Power>

【LTE Band 2_Ant 4_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	23.11	23.18	23.15	24.00
20	QPSK	1	49	23.05	23.14	23.09	24.00
20	QPSK	1	99	22.92	23.12	22.97	24.00
20	QPSK	50	0	22.95	23.15	23.09	24.00
20	QPSK	50	24	22.92	23.11	23.04	24.00
20	QPSK	50	50	22.88	23.06	22.92	24.00
20	QPSK	100	0	22.90	23.01	22.87	24.00
20	16QAM	1	0	22.93	23.03	22.90	24.00
20	16QAM	1	49	22.89	23.05	23.01	24.00
20	16QAM	1	99	23.00	23.08	22.99	24.00
20	16QAM	50	0	22.12	22.21	22.16	23.00
20	16QAM	50	24	22.04	22.18	22.12	23.00
20	16QAM	50	50	22.04	22.15	22.03	23.00
20	16QAM	100	0	21.98	22.13	21.99	23.00
20	64QAM	1	0	21.99	22.16	22.04	23.00
20	64QAM	1	49	21.99	22.14	22.07	23.00
20	64QAM	1	99	21.99	22.11	22.04	23.00
20	64QAM	50	0	21.11	21.21	21.17	22.00
20	64QAM	50	24	21.06	21.15	20.98	22.00
20	64QAM	50	50	20.99	21.16	21.05	22.00
20	64QAM	100	0	20.99	21.18	21.03	22.00
20	256QAM	1	0	19.07	19.19	19.07	20.00
20	256QAM	1	49	18.98	19.16	18.99	20.00
20	256QAM	1	99	19.06	19.15	19.06	20.00
20	256QAM	50	0	19.05	19.13	19.00	20.00
20	256QAM	50	24	18.95	19.12	18.97	20.00
20	256QAM	50	50	19.03	19.11	18.97	20.00
20	256QAM	100	0	19.03	19.14	19.02	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.09	23.16	23.05	24.00
15	QPSK	1	37	23.03	23.05	23.03	24.00
15	QPSK	1	74	22.86	23.03	22.89	24.00
15	QPSK	36	0	22.87	23.04	22.95	24.00
15	QPSK	36	20	22.78	22.99	22.92	24.00
15	QPSK	36	39	22.82	22.96	22.82	24.00
15	QPSK	75	0	22.88	22.89	22.77	24.00
15	16QAM	1	0	22.78	22.94	22.84	24.00
15	16QAM	1	37	22.83	22.97	22.91	24.00
15	16QAM	1	74	22.95	23.04	22.91	24.00
15	16QAM	36	0	22.06	22.08	22.09	23.00
15	16QAM	36	20	21.97	22.09	22.01	23.00
15	16QAM	36	39	22.02	22.06	21.95	23.00
15	16QAM	75	0	21.88	22.02	21.98	23.00
15	64QAM	1	0	21.90	22.14	21.94	23.00
15	64QAM	1	37	21.94	22.04	21.98	23.00
15	64QAM	1	74	21.97	21.97	21.90	23.00
15	64QAM	36	0	21.06	21.12	21.04	22.00
15	64QAM	36	20	20.96	21.07	20.89	22.00
15	64QAM	36	39	20.85	21.08	20.96	22.00
15	64QAM	75	0	20.85	21.15	20.98	22.00
15	256QAM	1	0	18.97	19.09	19.04	20.00
15	256QAM	1	37	18.85	19.03	18.84	20.00
15	256QAM	1	74	18.91	19.03	19.01	20.00
15	256QAM	36	0	18.96	18.99	18.94	20.00
15	256QAM	36	20	18.86	19.01	18.85	20.00
15	256QAM	36	39	18.89	19.07	18.90	20.00
15	256QAM	75	0	18.96	19.10	18.93	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.09	23.05	23.03	24.00
10	QPSK	1	25	22.92	23.03	22.99	24.00
10	QPSK	1	49	22.90	23.08	22.92	24.00
10	QPSK	25	0	22.89	23.02	22.98	24.00



10	QPSK	25	12	22.88	23.07	23.00	24.00
10	QPSK	25	25	22.81	22.96	22.90	24.00
10	QPSK	50	0	22.77	22.93	22.74	24.00
10	16QAM	1	0	22.91	22.99	22.81	24.00
10	16QAM	1	25	22.75	22.93	22.86	24.00
10	16QAM	1	49	22.95	23.06	22.91	24.00
10	16QAM	25	0	21.99	22.16	22.13	23.00
10	16QAM	25	12	22.01	22.15	21.98	23.00
10	16QAM	25	25	22.01	22.10	21.94	23.00
10	16QAM	50	0	21.94	22.12	21.89	23.00
10	64QAM	1	0	21.97	22.14	22.00	23.00
10	64QAM	1	25	21.88	22.02	22.00	23.00
10	64QAM	1	49	21.85	22.03	21.90	23.00
10	64QAM	25	0	21.07	21.13	21.05	22.00
10	64QAM	25	12	20.95	21.14	20.92	22.00
10	64QAM	25	25	20.98	21.01	20.95	22.00
10	64QAM	50	0	20.90	21.06	20.95	22.00
10	256QAM	1	0	18.92	19.09	19.01	20.00
10	256QAM	1	25	18.87	19.08	18.90	20.00
10	256QAM	1	49	19.02	19.04	19.04	20.00
10	256QAM	25	0	19.02	19.03	18.98	20.00
10	256QAM	25	12	18.91	19.02	18.91	20.00
10	256QAM	25	25	18.94	19.06	18.91	20.00
10	256QAM	50	0	19.02	19.09	18.94	20.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.99	23.05	23.04	24.00
5	QPSK	1	12	22.90	23.02	23.01	24.00
5	QPSK	1	24	22.85	22.99	22.89	24.00
5	QPSK	12	0	22.87	23.05	22.95	24.00
5	QPSK	12	7	22.81	23.10	22.98	24.00
5	QPSK	12	13	22.85	22.95	22.88	24.00
5	QPSK	25	0	22.78	22.99	22.78	24.00
5	16QAM	1	0	22.84	23.01	22.81	24.00
5	16QAM	1	12	22.86	23.03	22.94	24.00
5	16QAM	1	24	22.87	22.94	22.96	24.00
5	16QAM	12	0	21.98	22.19	22.12	23.00
5	16QAM	12	7	22.00	22.14	22.01	23.00
5	16QAM	12	13	21.99	22.03	21.90	23.00
5	16QAM	25	0	21.95	21.99	21.86	23.00
5	64QAM	1	0	21.97	22.10	22.02	23.00
5	64QAM	1	12	21.95	22.07	21.95	23.00
5	64QAM	1	24	21.87	21.98	21.92	23.00
5	64QAM	12	0	21.02	21.17	21.10	22.00
5	64QAM	12	7	20.93	21.07	20.95	22.00
5	64QAM	12	13	20.90	21.04	21.01	22.00
5	64QAM	25	0	20.92	21.11	20.97	22.00
5	256QAM	1	0	19.00	19.17	18.96	20.00
5	256QAM	1	12	18.86	19.04	18.97	20.00
5	256QAM	1	24	18.91	19.05	19.04	20.00
5	256QAM	12	0	18.98	19.00	18.90	20.00
5	256QAM	12	7	18.84	19.10	18.86	20.00
5	256QAM	12	13	18.91	18.96	18.83	20.00
5	256QAM	25	0	18.94	19.03	18.95	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.08	23.11	23.06	24.00
3	QPSK	1	8	22.92	23.02	22.95	24.00
3	QPSK	1	14	22.90	23.02	22.94	24.00
3	QPSK	8	0	22.82	23.01	23.04	24.00
3	QPSK	8	4	22.83	23.03	22.96	24.00
3	QPSK	8	7	22.86	23.04	22.79	24.00
3	QPSK	15	0	22.78	22.91	22.74	24.00
3	16QAM	1	0	22.86	22.96	22.84	24.00
3	16QAM	1	8	22.78	22.92	22.98	24.00
3	16QAM	1	14	22.90	22.95	22.95	24.00
3	16QAM	8	0	22.07	22.17	22.07	23.00
3	16QAM	8	4	21.99	22.09	22.00	23.00
3	16QAM	8	7	21.90	22.09	21.93	23.00
3	16QAM	15	0	21.86	22.07	21.87	23.00
3	64QAM	1	0	21.93	22.03	21.95	23.00
3	64QAM	1	8	21.94	22.06	22.04	23.00
3	64QAM	1	14	21.97	22.09	22.01	23.00
3	64QAM	8	0	21.02	21.10	21.13	22.00



3	64QAM	8	4	20.97	21.10	20.93	22.00
3	64QAM	8	7	20.94	21.10	21.00	22.00
3	64QAM	15	0	20.87	21.07	20.91	22.00
3	256QAM	1	0	19.01	19.14	19.04	20.00
3	256QAM	1	8	18.84	19.01	18.96	20.00
3	256QAM	1	14	19.00	19.00	18.91	20.00
3	256QAM	8	0	19.03	19.02	18.98	20.00
3	256QAM	8	4	18.93	19.04	18.86	20.00
3	256QAM	8	7	18.92	19.03	18.86	20.00
3	256QAM	15	0	18.91	19.07	18.99	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.00	23.12	23.11	24.00
1.4	QPSK	1	3	22.91	23.07	22.95	24.00
1.4	QPSK	1	5	22.84	23.04	22.88	24.00
1.4	QPSK	3	0	22.91	23.07	22.94	24.00
1.4	QPSK	3	1	22.86	23.10	23.01	24.00
1.4	QPSK	3	3	22.83	22.98	22.90	24.00
1.4	QPSK	6	0	22.80	22.95	22.76	24.00
1.4	16QAM	1	0	22.81	22.99	22.78	24.00
1.4	16QAM	1	3	22.88	22.91	22.99	24.00
1.4	16QAM	1	5	22.86	23.01	22.95	24.00
1.4	16QAM	3	0	23.05	23.12	23.15	24.00
1.4	16QAM	3	1	23.02	23.16	22.97	24.00
1.4	16QAM	3	3	23.03	23.10	22.90	24.00
1.4	16QAM	6	0	22.94	23.10	22.90	24.00
1.4	64QAM	1	0	22.96	23.13	22.98	24.00
1.4	64QAM	1	3	22.88	23.02	23.01	24.00
1.4	64QAM	1	5	22.87	23.08	22.97	24.00
1.4	64QAM	3	0	22.02	22.15	22.03	23.00
1.4	64QAM	3	1	22.02	22.08	21.96	23.00
1.4	64QAM	3	3	21.98	22.01	21.99	23.00
1.4	64QAM	6	0	21.85	22.12	22.02	23.00
1.4	256QAM	1	0	19.95	20.12	19.98	21.00
1.4	256QAM	1	3	19.90	20.09	19.85	21.00
1.4	256QAM	1	5	19.95	20.10	19.97	21.00
1.4	256QAM	3	0	20.03	20.08	19.97	21.00
1.4	256QAM	3	1	19.82	20.00	19.88	21.00
1.4	256QAM	3	3	19.96	20.01	19.94	21.00
1.4	256QAM	6	0	19.98	19.99	19.95	21.00

【LTE Band 2_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.09	17.15	17.12	18.40
20	QPSK	1	49	16.93	17.10	17.00	18.40
20	QPSK	1	99	17.01	17.11	16.99	18.40
20	QPSK	50	0	16.97	17.13	17.02	18.40
20	QPSK	50	24	16.95	17.08	17.02	18.40
20	QPSK	50	50	16.86	17.06	16.90	18.40
20	QPSK	100	0	16.95	17.03	16.93	18.40
20	16QAM	1	0	16.94	17.05	16.96	18.40
20	16QAM	1	49	16.90	17.09	16.93	18.40
20	16QAM	1	99	16.90	17.10	16.93	18.40
20	16QAM	50	0	16.90	17.05	16.99	18.40
20	16QAM	50	24	16.78	16.98	16.88	18.40
20	16QAM	50	50	16.83	16.95	16.82	18.40
20	16QAM	100	0	16.83	16.99	16.87	18.40
20	64QAM	1	0	16.77	16.94	16.86	18.40
20	64QAM	1	49	16.84	16.93	16.80	18.40
20	64QAM	1	99	16.80	16.89	16.79	18.40
20	64QAM	50	0	16.89	16.97	16.88	18.40
20	64QAM	50	24	16.92	17.03	16.87	18.40
20	64QAM	50	50	16.94	17.02	16.95	18.40
20	64QAM	100	0	16.94	17.05	16.99	18.40
20	256QAM	1	0	16.80	17.01	16.87	18.40
20	256QAM	1	49	16.68	16.88	16.76	18.40



20	256QAM	1	99	16.72	16.89	16.79	18.40
20	256QAM	50	0	16.84	16.92	16.86	18.40
20	256QAM	50	24	16.75	16.93	16.77	18.40
20	256QAM	50	50	16.78	16.95	16.84	18.40
20	256QAM	100	0	16.79	16.91	16.85	18.40
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	17.00	17.09	17.07	18.40
15	QPSK	1	37	16.82	16.98	16.85	18.40
15	QPSK	1	74	16.87	17.06	16.95	18.40
15	QPSK	36	0	16.86	17.04	16.94	18.40
15	QPSK	36	20	16.93	16.99	16.93	18.40
15	QPSK	36	39	16.80	17.04	16.75	18.40
15	QPSK	75	0	16.81	16.90	16.88	18.40
15	16QAM	1	0	16.89	16.92	16.91	18.40
15	16QAM	1	37	16.89	17.05	16.80	18.40
15	16QAM	1	74	16.78	17.02	16.80	18.40
15	16QAM	36	0	16.80	16.93	16.90	18.40
15	16QAM	36	20	16.70	16.93	16.83	18.40
15	16QAM	36	39	16.74	16.85	16.77	18.40
15	16QAM	75	0	16.76	16.88	16.86	18.40
15	64QAM	1	0	16.64	16.86	16.77	18.40
15	64QAM	1	37	16.78	16.91	16.73	18.40
15	64QAM	1	74	16.70	16.77	16.64	18.40
15	64QAM	36	0	16.81	16.95	16.81	18.40
15	64QAM	36	20	16.88	16.91	16.73	18.40
15	64QAM	36	39	16.81	16.97	16.93	18.40
15	64QAM	75	0	16.81	17.03	16.91	18.40
15	256QAM	1	0	16.66	16.99	16.85	18.40
15	256QAM	1	37	16.55	16.76	16.63	18.40
15	256QAM	1	74	16.59	16.75	16.77	18.40
15	256QAM	36	0	16.75	16.79	16.82	18.40
15	256QAM	36	20	16.61	16.89	16.69	18.40
15	256QAM	36	39	16.75	16.82	16.74	18.40
15	256QAM	75	0	16.67	16.86	16.77	18.40
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	17.03	17.13	16.99	18.40
10	QPSK	1	25	16.90	16.97	16.91	18.40
10	QPSK	1	49	16.93	17.09	16.92	18.40
10	QPSK	25	0	16.90	17.06	16.94	18.40
10	QPSK	25	12	16.92	16.93	16.89	18.40
10	QPSK	25	25	16.84	16.98	16.88	18.40
10	QPSK	50	0	16.81	16.90	16.84	18.40
10	16QAM	1	0	16.91	16.98	16.85	18.40
10	16QAM	1	25	16.82	17.07	16.87	18.40
10	16QAM	1	49	16.83	17.04	16.85	18.40
10	16QAM	25	0	16.79	17.00	16.86	18.40
10	16QAM	25	12	16.71	16.95	16.74	18.40
10	16QAM	25	25	16.70	16.80	16.69	18.40
10	16QAM	50	0	16.78	16.85	16.82	18.40
10	64QAM	1	0	16.68	16.91	16.79	18.40
10	64QAM	1	25	16.74	16.82	16.73	18.40
10	64QAM	1	49	16.77	16.88	16.77	18.40
10	64QAM	25	0	16.80	16.86	16.86	18.40
10	64QAM	25	12	16.88	16.92	16.79	18.40
10	64QAM	25	25	16.91	16.90	16.89	18.40
10	64QAM	50	0	16.83	16.97	16.85	18.40
10	256QAM	1	0	16.71	16.87	16.78	18.40
10	256QAM	1	25	16.54	16.80	16.66	18.40
10	256QAM	1	49	16.63	16.87	16.66	18.40
10	256QAM	25	0	16.81	16.91	16.84	18.40
10	256QAM	25	12	16.64	16.91	16.65	18.40
10	256QAM	25	25	16.73	16.92	16.79	18.40
10	256QAM	50	0	16.76	16.77	16.74	18.40
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	17.00	17.00	17.04	18.40
5	QPSK	1	12	16.79	17.02	16.97	18.40
5	QPSK	1	24	17.00	16.97	16.96	18.40
5	QPSK	12	0	16.83	17.02	16.98	18.40
5	QPSK	12	7	16.91	17.05	16.88	18.40
5	QPSK	12	13	16.74	17.05	16.82	18.40
5	QPSK	25	0	16.89	16.94	16.90	18.40



5	16QAM	1	0	16.82	17.01	16.89	18.40
5	16QAM	1	12	16.75	16.96	16.89	18.40
5	16QAM	1	24	16.77	17.02	16.83	18.40
5	16QAM	12	0	16.80	17.02	16.97	18.40
5	16QAM	12	7	16.73	16.88	16.80	18.40
5	16QAM	12	13	16.76	16.82	16.81	18.40
5	16QAM	25	0	16.79	16.86	16.73	18.40
5	64QAM	1	0	16.73	16.82	16.77	18.40
5	64QAM	1	12	16.74	16.89	16.74	18.40
5	64QAM	1	24	16.70	16.79	16.71	18.40
5	64QAM	12	0	16.80	16.96	16.80	18.40
5	64QAM	12	7	16.90	16.89	16.79	18.40
5	64QAM	12	13	16.84	16.96	16.93	18.40
5	64QAM	25	0	16.82	16.92	16.92	18.40
5	256QAM	1	0	16.73	16.91	16.75	18.40
5	256QAM	1	12	16.54	16.74	16.74	18.40
5	256QAM	1	24	16.71	16.78	16.69	18.40
5	256QAM	12	0	16.82	16.83	16.72	18.40
5	256QAM	12	7	16.61	16.88	16.69	18.40
5	256QAM	12	13	16.65	16.89	16.71	18.40
5	256QAM	25	0	16.67	16.89	16.79	18.40
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	17.00	17.10	17.06	18.40
3	QPSK	1	8	16.82	16.96	16.95	18.40
3	QPSK	1	14	16.87	16.97	16.89	18.40
3	QPSK	8	0	16.89	17.11	16.95	18.40
3	QPSK	8	4	16.88	16.95	16.98	18.40
3	QPSK	8	7	16.73	16.93	16.88	18.40
3	QPSK	15	0	16.93	16.98	16.78	18.40
3	16QAM	1	0	16.86	16.96	16.85	18.40
3	16QAM	1	8	16.79	17.05	16.89	18.40
3	16QAM	1	14	16.83	16.96	16.84	18.40
3	16QAM	8	0	16.80	17.01	16.85	18.40
3	16QAM	8	4	16.74	16.92	16.76	18.40
3	16QAM	8	7	16.69	16.91	16.68	18.40
3	16QAM	15	0	16.78	16.94	16.80	18.40
3	64QAM	1	0	16.70	16.90	16.83	18.40
3	64QAM	1	8	16.72	16.82	16.76	18.40
3	64QAM	1	14	16.75	16.87	16.68	18.40
3	64QAM	8	0	16.81	16.88	16.79	18.40
3	64QAM	8	4	16.83	16.97	16.81	18.40
3	64QAM	8	7	16.90	16.89	16.85	18.40
3	64QAM	15	0	16.81	16.96	16.89	18.40
3	256QAM	1	0	16.75	16.98	16.73	18.40
3	256QAM	1	8	16.61	16.84	16.64	18.40
3	256QAM	1	14	16.63	16.83	16.67	18.40
3	256QAM	8	0	16.71	16.90	16.75	18.40
3	256QAM	8	4	16.65	16.89	16.63	18.40
3	256QAM	8	7	16.68	16.82	16.78	18.40
3	256QAM	15	0	16.65	16.87	16.70	18.40
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	17.01	17.02	17.01	18.40
1.4	QPSK	1	3	16.86	16.97	16.94	18.40
1.4	QPSK	1	5	16.96	17.06	16.95	18.40
1.4	QPSK	3	0	16.86	17.10	16.97	18.40
1.4	QPSK	3	1	16.87	17.03	16.92	18.40
1.4	QPSK	3	3	16.80	17.02	16.83	18.40
1.4	QPSK	6	0	16.93	16.88	16.86	18.40
1.4	16QAM	1	0	16.90	16.92	16.95	18.40
1.4	16QAM	1	3	16.84	17.00	16.81	18.40
1.4	16QAM	1	5	16.83	17.06	16.83	18.40
1.4	16QAM	3	0	16.77	16.90	16.95	18.40
1.4	16QAM	3	1	16.76	16.91	16.80	18.40
1.4	16QAM	3	3	16.74	16.81	16.79	18.40
1.4	16QAM	6	0	16.72	16.90	16.82	18.40
1.4	64QAM	1	0	16.67	16.79	16.73	18.40
1.4	64QAM	1	3	16.81	16.88	16.78	18.40
1.4	64QAM	1	5	16.68	16.82	16.75	18.40
1.4	64QAM	3	0	16.80	16.90	16.77	18.40
1.4	64QAM	3	1	16.86	16.90	16.75	18.40
1.4	64QAM	3	3	16.87	16.96	16.89	18.40
1.4	64QAM	6	0	16.89	16.92	16.89	18.40



1.4	256QAM	1	0	16.79	16.97	16.75	18.40
1.4	256QAM	1	3	16.53	16.78	16.67	18.40
1.4	256QAM	1	5	16.58	16.76	16.77	18.40
1.4	256QAM	3	0	16.73	16.82	16.72	18.40
1.4	256QAM	3	1	16.64	16.81	16.74	18.40
1.4	256QAM	3	3	16.71	16.91	16.76	18.40
1.4	256QAM	6	0	16.73	16.82	16.71	18.40

【LTE Band 2_Ant 4_DSI 3】

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	19.35	19.51	19.48	20.60
20	QPSK	1	49	19.20	19.32	19.01	20.60
20	QPSK	1	99	19.27	19.43	19.08	20.60
20	QPSK	50	0	19.36	19.43	19.11	20.60
20	QPSK	50	24	19.32	19.31	19.11	20.60
20	QPSK	50	50	19.34	19.32	19.01	20.60
20	QPSK	100	0	19.34	19.28	19.05	20.60
20	16QAM	1	0	19.24	19.45	19.13	20.60
20	16QAM	1	49	19.35	19.30	18.99	20.60
20	16QAM	1	99	19.19	19.37	19.14	20.60
20	16QAM	50	0	19.38	19.26	19.07	20.60
20	16QAM	50	24	19.19	19.25	19.05	20.60
20	16QAM	50	50	19.35	19.24	19.04	20.60
20	16QAM	100	0	19.32	19.30	19.19	20.60
20	64QAM	1	0	19.19	19.42	19.08	20.60
20	64QAM	1	49	19.29	19.29	19.08	20.60
20	64QAM	1	99	19.20	19.31	19.02	20.60
20	64QAM	50	0	19.21	19.34	19.20	20.60
20	64QAM	50	24	19.23	19.39	19.18	20.60
20	64QAM	50	50	19.32	19.24	19.20	20.60
20	64QAM	100	0	19.25	19.27	18.99	20.60
20	256QAM	1	0	18.83	18.78	18.42	20.00
20	256QAM	1	49	18.64	18.73	18.59	20.00
20	256QAM	1	99	18.76	18.74	18.56	20.00
20	256QAM	50	0	18.69	18.76	18.58	20.00
20	256QAM	50	24	18.74	18.82	18.57	20.00
20	256QAM	50	50	18.74	18.73	18.53	20.00
20	256QAM	100	0	18.68	18.77	18.62	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.26	19.49	19.42	20.60
15	QPSK	1	37	19.13	19.25	18.94	20.60
15	QPSK	1	74	19.16	19.36	19.01	20.60
15	QPSK	36	0	19.35	19.31	18.98	20.60
15	QPSK	36	20	19.20	19.24	18.98	20.60
15	QPSK	36	39	19.26	19.30	18.94	20.60
15	QPSK	75	0	19.19	19.17	18.94	20.60
15	16QAM	1	0	19.20	19.35	19.04	20.60
15	16QAM	1	37	19.32	19.25	18.87	20.60
15	16QAM	1	74	19.08	19.23	19.07	20.60
15	16QAM	36	0	19.28	19.15	19.00	20.60
15	16QAM	36	20	19.14	19.13	18.93	20.60
15	16QAM	36	39	19.22	19.23	18.95	20.60
15	16QAM	75	0	19.28	19.19	19.05	20.60
15	64QAM	1	0	19.11	19.32	18.93	20.60
15	64QAM	1	37	19.22	19.17	18.98	20.60
15	64QAM	1	74	19.15	19.21	18.99	20.60
15	64QAM	36	0	19.18	19.27	19.18	20.60
15	64QAM	36	20	19.16	19.25	19.12	20.60
15	64QAM	36	39	19.29	19.16	19.17	20.60
15	64QAM	75	0	19.23	19.21	18.88	20.60
15	256QAM	1	0	18.70	18.66	18.33	20.00
15	256QAM	1	37	18.53	18.70	18.58	20.00
15	256QAM	1	74	18.62	18.71	18.45	20.00
15	256QAM	36	0	18.56	18.66	18.49	20.00
15	256QAM	36	20	18.71	18.80	18.47	20.00



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15	256QAM	36	39	18.67	18.65	18.52	20.00
15	256QAM	75	0	18.63	18.75	18.50	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.23	19.39	19.43	20.60
10	QPSK	1	25	19.10	19.25	18.94	20.60
10	QPSK	1	49	19.22	19.30	18.93	20.60
10	QPSK	25	0	19.23	19.36	18.98	20.60
10	QPSK	25	12	19.25	19.26	19.09	20.60
10	QPSK	25	25	19.24	19.24	18.97	20.60
10	QPSK	50	0	19.29	19.24	18.93	20.60
10	16QAM	1	0	19.22	19.43	19.05	20.60
10	16QAM	1	25	19.20	19.27	18.85	20.60
10	16QAM	1	49	19.14	19.33	19.05	20.60
10	16QAM	25	0	19.35	19.23	19.01	20.60
10	16QAM	25	12	19.17	19.19	18.95	20.60
10	16QAM	25	25	19.27	19.22	18.95	20.60
10	16QAM	50	0	19.19	19.19	19.14	20.60
10	64QAM	1	0	19.13	19.38	19.05	20.60
10	64QAM	1	25	19.19	19.17	19.05	20.60
10	64QAM	1	49	19.19	19.19	18.93	20.60
10	64QAM	25	0	19.09	19.31	19.14	20.60
10	64QAM	25	12	19.12	19.35	19.08	20.60
10	64QAM	25	25	19.31	19.15	19.16	20.60
10	64QAM	50	0	19.22	19.12	18.86	20.60
10	256QAM	1	0	18.75	18.69	18.35	20.00
10	256QAM	1	25	18.61	18.59	18.49	20.00
10	256QAM	1	49	18.67	18.69	18.42	20.00
10	256QAM	25	0	18.64	18.72	18.47	20.00
10	256QAM	25	12	18.65	18.81	18.46	20.00
10	256QAM	25	25	18.68	18.70	18.47	20.00
10	256QAM	50	0	18.57	18.63	18.51	20.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.25	19.38	19.37	20.60
5	QPSK	1	12	19.14	19.18	18.95	20.60
5	QPSK	1	24	19.12	19.29	19.04	20.60
5	QPSK	12	0	19.35	19.42	19.04	20.60
5	QPSK	12	7	19.27	19.19	18.99	20.60
5	QPSK	12	13	19.19	19.28	18.92	20.60
5	QPSK	25	0	19.22	19.27	18.93	20.60
5	16QAM	1	0	19.22	19.34	19.09	20.60
5	16QAM	1	12	19.33	19.16	18.88	20.60
5	16QAM	1	24	19.15	19.29	19.04	20.60
5	16QAM	12	0	19.23	19.12	19.01	20.60
5	16QAM	12	7	19.18	19.10	18.98	20.60
5	16QAM	12	13	19.26	19.19	19.00	20.60
5	16QAM	25	0	19.27	19.22	19.16	20.60
5	64QAM	1	0	19.07	19.40	19.00	20.60
5	64QAM	1	12	19.15	19.25	19.02	20.60
5	64QAM	1	24	19.17	19.22	18.92	20.60
5	64QAM	12	0	19.16	19.30	19.11	20.60
5	64QAM	12	7	19.13	19.36	19.04	20.60
5	64QAM	12	13	19.21	19.09	19.12	20.60
5	64QAM	25	0	19.23	19.23	18.92	20.60
5	256QAM	1	0	18.76	18.76	18.40	20.00
5	256QAM	1	12	18.55	18.64	18.50	20.00
5	256QAM	1	24	18.65	18.73	18.53	20.00
5	256QAM	12	0	18.56	18.74	18.55	20.00
5	256QAM	12	7	18.64	18.76	18.49	20.00
5	256QAM	12	13	18.61	18.66	18.45	20.00
5	256QAM	25	0	18.58	18.67	18.51	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.24	19.40	19.46	20.60
3	QPSK	1	8	19.08	19.22	18.91	20.60
3	QPSK	1	14	19.21	19.37	19.06	20.60
3	QPSK	8	0	19.34	19.36	18.96	20.60
3	QPSK	8	4	19.20	19.26	19.04	20.60
3	QPSK	8	7	19.22	19.23	18.99	20.60
3	QPSK	15	0	19.25	19.21	18.92	20.60
3	16QAM	1	0	19.19	19.40	19.11	20.60
3	16QAM	1	8	19.31	19.20	18.96	20.60
3	16QAM	1	14	19.15	19.31	19.06	20.60



3	16QAM	8	0	19.32	19.18	19.04	20.60
3	16QAM	8	4	19.05	19.17	18.96	20.60
3	16QAM	8	7	19.30	19.14	19.02	20.60
3	16QAM	15	0	19.18	19.15	19.17	20.60
3	64QAM	1	0	19.08	19.35	19.03	20.60
3	64QAM	1	8	19.19	19.27	19.07	20.60
3	64QAM	1	14	19.16	19.29	18.97	20.60
3	64QAM	8	0	19.20	19.33	19.09	20.60
3	64QAM	8	4	19.11	19.32	19.03	20.60
3	64QAM	8	7	19.27	19.11	19.17	20.60
3	64QAM	15	0	19.10	19.24	18.90	20.60
3	256QAM	1	0	18.71	18.67	18.36	20.00
3	256QAM	1	8	18.59	18.65	18.54	20.00
3	256QAM	1	14	18.75	18.68	18.51	20.00
3	256QAM	8	0	18.62	18.72	18.52	20.00
3	256QAM	8	4	18.59	18.69	18.54	20.00
3	256QAM	8	7	18.65	18.63	18.38	20.00
3	256QAM	15	0	18.55	18.63	18.48	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.32	19.47	19.42	20.60
1.4	QPSK	1	3	19.15	19.27	18.87	20.60
1.4	QPSK	1	5	19.20	19.41	19.07	20.60
1.4	QPSK	3	0	19.25	19.37	19.01	20.60
1.4	QPSK	3	1	19.22	19.27	19.07	20.60
1.4	QPSK	3	3	19.25	19.28	18.91	20.60
1.4	QPSK	6	0	19.19	19.23	18.91	20.60
1.4	16QAM	1	0	19.10	19.43	19.01	20.60
1.4	16QAM	1	3	19.29	19.17	18.92	20.60
1.4	16QAM	1	5	19.10	19.30	19.02	20.60
1.4	16QAM	3	0	19.31	19.19	18.97	20.60
1.4	16QAM	3	1	19.12	19.15	18.91	20.60
1.4	16QAM	3	3	19.32	19.14	19.01	20.60
1.4	16QAM	6	0	19.31	19.25	19.15	20.60
1.4	64QAM	1	0	19.11	19.30	19.04	20.60
1.4	64QAM	1	3	19.16	19.23	18.93	20.60
1.4	64QAM	1	5	19.08	19.25	18.97	20.60
1.4	64QAM	3	0	19.06	19.32	19.16	20.60
1.4	64QAM	3	1	19.18	19.27	19.06	20.60
1.4	64QAM	3	3	19.23	19.16	19.12	20.60
1.4	64QAM	6	0	19.17	19.25	18.96	20.60
1.4	256QAM	1	0	18.74	18.68	18.35	20.00
1.4	256QAM	1	3	18.63	18.65	18.53	20.00
1.4	256QAM	1	5	18.64	18.68	18.44	20.00
1.4	256QAM	3	0	18.55	18.75	18.55	20.00
1.4	256QAM	3	1	18.62	18.80	18.49	20.00
1.4	256QAM	3	3	18.67	18.64	18.41	20.00
1.4	256QAM	6	0	18.63	18.69	18.48	20.00

【LTE Band 2_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.11	23.18	23.15	24.00
20	QPSK	1	49	23.05	23.14	23.09	24.00
20	QPSK	1	99	22.92	23.12	22.97	24.00
20	QPSK	50	0	22.95	23.15	23.09	24.00
20	QPSK	50	24	22.92	23.11	23.04	24.00
20	QPSK	50	50	22.88	23.06	22.92	24.00
20	QPSK	100	0	22.90	23.01	22.87	24.00
20	16QAM	1	0	22.93	23.03	22.90	24.00
20	16QAM	1	49	22.89	23.05	23.01	24.00
20	16QAM	1	99	23.00	23.08	22.99	24.00
20	16QAM	50	0	22.12	22.21	22.16	23.00
20	16QAM	50	24	22.04	22.18	22.12	23.00
20	16QAM	50	50	22.04	22.15	22.03	23.00
20	16QAM	100	0	21.98	22.13	21.99	23.00
20	64QAM	1	0	21.99	22.16	22.04	23.00



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20	64QAM	1	49	21.99	22.14	22.07	23.00
20	64QAM	1	99	21.99	22.11	22.04	23.00
20	64QAM	50	0	21.11	21.21	21.17	22.00
20	64QAM	50	24	21.06	21.15	20.98	22.00
20	64QAM	50	50	20.99	21.16	21.05	22.00
20	64QAM	100	0	20.99	21.18	21.03	22.00
20	256QAM	1	0	19.07	19.19	19.07	20.00
20	256QAM	1	49	18.98	19.16	18.99	20.00
20	256QAM	1	99	19.06	19.15	19.06	20.00
20	256QAM	50	0	19.05	19.13	19.00	20.00
20	256QAM	50	24	18.95	19.12	18.97	20.00
20	256QAM	50	50	19.03	19.11	18.97	20.00
20	256QAM	100	0	19.03	19.14	19.02	20.00
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	23.09	23.16	23.05	24.00
15	QPSK	1	37	23.03	23.05	23.03	24.00
15	QPSK	1	74	22.86	23.03	22.89	24.00
15	QPSK	36	0	22.87	23.04	22.95	24.00
15	QPSK	36	20	22.78	22.99	22.92	24.00
15	QPSK	36	39	22.82	22.96	22.82	24.00
15	QPSK	75	0	22.88	22.89	22.77	24.00
15	16QAM	1	0	22.78	22.94	22.84	24.00
15	16QAM	1	37	22.83	22.97	22.91	24.00
15	16QAM	1	74	22.95	23.04	22.91	24.00
15	16QAM	36	0	22.06	22.08	22.09	23.00
15	16QAM	36	20	21.97	22.09	22.01	23.00
15	16QAM	36	39	22.02	22.06	21.95	23.00
15	16QAM	75	0	21.88	22.02	21.98	23.00
15	64QAM	1	0	21.90	22.14	21.94	23.00
15	64QAM	1	37	21.94	22.04	21.98	23.00
15	64QAM	1	74	21.97	21.97	21.90	23.00
15	64QAM	36	0	21.06	21.12	21.04	22.00
15	64QAM	36	20	20.96	21.07	20.89	22.00
15	64QAM	36	39	20.85	21.08	20.96	22.00
15	64QAM	75	0	20.85	21.15	20.98	22.00
15	256QAM	1	0	18.97	19.09	19.04	20.00
15	256QAM	1	37	18.85	19.03	18.84	20.00
15	256QAM	1	74	18.91	19.03	19.01	20.00
15	256QAM	36	0	18.96	18.99	18.94	20.00
15	256QAM	36	20	18.86	19.01	18.85	20.00
15	256QAM	36	39	18.89	19.07	18.90	20.00
15	256QAM	75	0	18.96	19.10	18.93	20.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.09	23.05	23.03	24.00
10	QPSK	1	25	22.92	23.03	22.99	24.00
10	QPSK	1	49	22.90	23.08	22.92	24.00
10	QPSK	25	0	22.89	23.02	22.98	24.00
10	QPSK	25	12	22.88	23.07	23.00	24.00
10	QPSK	25	25	22.81	22.96	22.90	24.00
10	QPSK	50	0	22.77	22.93	22.74	24.00
10	16QAM	1	0	22.91	22.99	22.81	24.00
10	16QAM	1	25	22.75	22.93	22.86	24.00
10	16QAM	1	49	22.95	23.06	22.91	24.00
10	16QAM	25	0	21.99	22.16	22.13	23.00
10	16QAM	25	12	22.01	22.15	21.98	23.00
10	16QAM	25	25	22.01	22.10	21.94	23.00
10	16QAM	50	0	21.94	22.12	21.89	23.00
10	64QAM	1	0	21.97	22.14	22.00	23.00
10	64QAM	1	25	21.88	22.02	22.00	23.00
10	64QAM	1	49	21.85	22.03	21.90	23.00
10	64QAM	25	0	21.07	21.13	21.05	22.00
10	64QAM	25	12	20.95	21.14	20.92	22.00
10	64QAM	25	25	20.98	21.01	20.95	22.00
10	64QAM	50	0	20.90	21.06	20.95	22.00
10	256QAM	1	0	18.92	19.09	19.01	20.00
10	256QAM	1	25	18.87	19.08	18.90	20.00
10	256QAM	1	49	19.02	19.04	19.04	20.00
10	256QAM	25	0	19.02	19.03	18.98	20.00
10	256QAM	25	12	18.91	19.02	18.91	20.00
10	256QAM	25	25	18.94	19.06	18.91	20.00
10	256QAM	50	0	19.02	19.09	18.94	20.00
Channel				18625	18900	19175	Tune-up limit



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Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.99	23.05	23.04	24.00
5	QPSK	1	12	22.90	23.02	23.01	24.00
5	QPSK	1	24	22.85	22.99	22.89	24.00
5	QPSK	12	0	22.87	23.05	22.95	24.00
5	QPSK	12	7	22.81	23.10	22.98	24.00
5	QPSK	12	13	22.85	22.95	22.88	24.00
5	QPSK	25	0	22.78	22.99	22.78	24.00
5	16QAM	1	0	22.84	23.01	22.81	24.00
5	16QAM	1	12	22.86	23.03	22.94	24.00
5	16QAM	1	24	22.87	22.94	22.96	24.00
5	16QAM	12	0	21.98	22.19	22.12	23.00
5	16QAM	12	7	22.00	22.14	22.01	23.00
5	16QAM	12	13	21.99	22.03	21.90	23.00
5	16QAM	25	0	21.95	21.99	21.86	23.00
5	64QAM	1	0	21.97	22.10	22.02	23.00
5	64QAM	1	12	21.95	22.07	21.95	23.00
5	64QAM	1	24	21.87	21.98	21.92	23.00
5	64QAM	12	0	21.02	21.17	21.10	22.00
5	64QAM	12	7	20.93	21.07	20.95	22.00
5	64QAM	12	13	20.90	21.04	21.01	22.00
5	64QAM	25	0	20.92	21.11	20.97	22.00
5	256QAM	1	0	19.00	19.17	18.96	20.00
5	256QAM	1	12	18.86	19.04	18.97	20.00
5	256QAM	1	24	18.91	19.05	19.04	20.00
5	256QAM	12	0	18.98	19.00	18.90	20.00
5	256QAM	12	7	18.84	19.10	18.86	20.00
5	256QAM	12	13	18.91	18.96	18.83	20.00
5	256QAM	25	0	18.94	19.03	18.95	20.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.08	23.11	23.06	24.00
3	QPSK	1	8	22.92	23.02	22.95	24.00
3	QPSK	1	14	22.90	23.02	22.94	24.00
3	QPSK	8	0	22.82	23.01	23.04	24.00
3	QPSK	8	4	22.83	23.03	22.96	24.00
3	QPSK	8	7	22.86	23.04	22.79	24.00
3	QPSK	15	0	22.78	22.91	22.74	24.00
3	16QAM	1	0	22.86	22.96	22.84	24.00
3	16QAM	1	8	22.78	22.92	22.98	24.00
3	16QAM	1	14	22.90	22.95	22.95	24.00
3	16QAM	8	0	22.07	22.17	22.07	23.00
3	16QAM	8	4	21.99	22.09	22.00	23.00
3	16QAM	8	7	21.90	22.09	21.93	23.00
3	16QAM	15	0	21.86	22.07	21.87	23.00
3	64QAM	1	0	21.93	22.03	21.95	23.00
3	64QAM	1	8	21.94	22.06	22.04	23.00
3	64QAM	1	14	21.97	22.09	22.01	23.00
3	64QAM	8	0	21.02	21.10	21.13	22.00
3	64QAM	8	4	20.97	21.10	20.93	22.00
3	64QAM	8	7	20.94	21.10	21.00	22.00
3	64QAM	15	0	20.87	21.07	20.91	22.00
3	256QAM	1	0	19.01	19.14	19.04	20.00
3	256QAM	1	8	18.84	19.01	18.96	20.00
3	256QAM	1	14	19.00	19.00	18.91	20.00
3	256QAM	8	0	19.03	19.02	18.98	20.00
3	256QAM	8	4	18.93	19.04	18.86	20.00
3	256QAM	8	7	18.92	19.03	18.86	20.00
3	256QAM	15	0	18.91	19.07	18.99	20.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.00	23.12	23.11	24.00
1.4	QPSK	1	3	22.91	23.07	22.95	24.00
1.4	QPSK	1	5	22.84	23.04	22.88	24.00
1.4	QPSK	3	0	22.91	23.07	22.94	24.00
1.4	QPSK	3	1	22.86	23.10	23.01	24.00
1.4	QPSK	3	3	22.83	22.98	22.90	24.00
1.4	QPSK	6	0	22.80	22.95	22.76	24.00
1.4	16QAM	1	0	22.81	22.99	22.78	24.00
1.4	16QAM	1	3	22.88	22.91	22.99	24.00
1.4	16QAM	1	5	22.86	23.01	22.95	24.00
1.4	16QAM	3	0	23.05	23.12	23.15	24.00
1.4	16QAM	3	1	23.02	23.16	22.97	24.00
1.4	16QAM	3	3	23.03	23.10	22.90	24.00



1.4	16QAM	6	0	22.94	23.10	22.90	24.00
1.4	64QAM	1	0	22.96	23.13	22.98	24.00
1.4	64QAM	1	3	22.88	23.02	23.01	24.00
1.4	64QAM	1	5	22.87	23.08	22.97	24.00
1.4	64QAM	3	0	22.02	22.15	22.03	23.00
1.4	64QAM	3	1	22.02	22.08	21.96	23.00
1.4	64QAM	3	3	21.98	22.01	21.99	23.00
1.4	64QAM	6	0	21.85	22.12	22.02	23.00
1.4	256QAM	1	0	19.95	20.12	19.98	21.00
1.4	256QAM	1	3	19.90	20.09	19.85	21.00
1.4	256QAM	1	5	19.95	20.10	19.97	21.00
1.4	256QAM	3	0	20.03	20.08	19.97	21.00
1.4	256QAM	3	1	19.82	20.00	19.88	21.00
1.4	256QAM	3	3	19.96	20.01	19.94	21.00
1.4	256QAM	6	0	19.98	19.99	19.95	21.00

【LTE Band 2_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.98	21.01	20.95	22.00
20	QPSK	1	49	20.86	20.91	20.80	22.00
20	QPSK	1	99	20.78	20.93	20.72	22.00
20	QPSK	50	0	20.83	20.95	20.76	22.00
20	QPSK	50	24	20.78	20.91	20.81	22.00
20	QPSK	50	50	20.78	20.89	20.70	22.00
20	QPSK	100	0	20.81	20.88	20.73	22.00
20	16QAM	1	0	20.77	20.81	20.62	22.00
20	16QAM	1	49	20.68	20.85	20.71	22.00
20	16QAM	1	99	20.71	20.87	20.73	22.00
20	16QAM	50	0	20.79	20.84	20.68	22.00
20	16QAM	50	24	20.64	20.81	20.71	22.00
20	16QAM	50	50	20.82	20.88	20.76	22.00
20	16QAM	100	0	20.76	20.93	20.79	22.00
20	64QAM	1	0	20.81	20.91	20.79	22.00
20	64QAM	1	49	20.77	20.90	20.75	22.00
20	64QAM	1	99	20.72	20.84	20.72	22.00
20	64QAM	50	0	20.71	20.86	20.74	22.00
20	64QAM	50	24	20.74	20.81	20.73	22.00
20	64QAM	50	50	20.79	20.89	20.75	22.00
20	64QAM	100	0	20.70	20.87	20.75	22.00
20	256QAM	1	0	18.89	19.03	18.92	20.00
20	256QAM	1	49	18.77	18.89	18.75	20.00
20	256QAM	1	99	18.88	18.95	18.83	20.00
20	256QAM	50	0	18.76	18.93	18.75	20.00
20	256QAM	50	24	18.84	18.97	18.86	20.00
20	256QAM	50	50	18.93	18.99	18.91	20.00
20	256QAM	100	0	18.83	18.95	18.75	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.93	20.86	20.86	22.00
15	QPSK	1	37	20.76	20.89	20.78	22.00
15	QPSK	1	74	20.63	20.86	20.65	22.00
15	QPSK	36	0	20.80	20.82	20.63	22.00
15	QPSK	36	20	20.69	20.86	20.73	22.00
15	QPSK	36	39	20.66	20.76	20.65	22.00
15	QPSK	75	0	20.75	20.86	20.70	22.00
15	16QAM	1	0	20.67	20.77	20.61	22.00
15	16QAM	1	37	20.64	20.80	20.56	22.00
15	16QAM	1	74	20.59	20.74	20.71	22.00
15	16QAM	36	0	20.78	20.79	20.63	22.00
15	16QAM	36	20	20.59	20.76	20.69	22.00
15	16QAM	36	39	20.70	20.76	20.72	22.00
15	16QAM	75	0	20.67	20.88	20.72	22.00
15	64QAM	1	0	20.68	20.83	20.65	22.00
15	64QAM	1	37	20.74	20.79	20.68	22.00
15	64QAM	1	74	20.64	20.77	20.63	22.00
15	64QAM	36	0	20.59	20.84	20.60	22.00



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15	64QAM	36	20	20.65	20.72	20.61	22.00
15	64QAM	36	39	20.76	20.80	20.64	22.00
15	64QAM	75	0	20.58	20.77	20.65	22.00
15	256QAM	1	0	18.84	18.89	18.87	20.00
15	256QAM	1	37	18.74	18.78	18.63	20.00
15	256QAM	1	74	18.80	18.91	18.81	20.00
15	256QAM	36	0	18.71	18.92	18.64	20.00
15	256QAM	36	20	18.76	18.87	18.78	20.00
15	256QAM	36	39	18.89	18.88	18.80	20.00
15	256QAM	75	0	18.70	18.84	18.65	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.85	20.86	20.86	22.00
10	QPSK	1	25	20.77	20.76	20.69	22.00
10	QPSK	1	49	20.66	20.81	20.62	22.00
10	QPSK	25	0	20.69	20.93	20.64	22.00
10	QPSK	25	12	20.64	20.88	20.79	22.00
10	QPSK	25	25	20.65	20.82	20.59	22.00
10	QPSK	50	0	20.74	20.82	20.70	22.00
10	16QAM	1	0	20.69	20.78	20.48	22.00
10	16QAM	1	25	20.60	20.79	20.62	22.00
10	16QAM	1	49	20.65	20.79	20.64	22.00
10	16QAM	25	0	20.65	20.75	20.62	22.00
10	16QAM	25	12	20.51	20.78	20.60	22.00
10	16QAM	25	25	20.74	20.84	20.74	22.00
10	16QAM	50	0	20.64	20.84	20.69	22.00
10	64QAM	1	0	20.70	20.89	20.66	22.00
10	64QAM	1	25	20.76	20.84	20.63	22.00
10	64QAM	1	49	20.58	20.70	20.62	22.00
10	64QAM	25	0	20.59	20.82	20.71	22.00
10	64QAM	25	12	20.60	20.79	20.63	22.00
10	64QAM	25	25	20.69	20.86	20.67	22.00
10	64QAM	50	0	20.59	20.80	20.67	22.00
10	256QAM	1	0	18.86	18.93	18.90	20.00
10	256QAM	1	25	18.67	18.76	18.72	20.00
10	256QAM	1	49	18.82	18.87	18.81	20.00
10	256QAM	25	0	18.73	18.87	18.72	20.00
10	256QAM	25	12	18.72	18.91	18.79	20.00
10	256QAM	25	25	18.88	18.97	18.86	20.00
10	256QAM	50	0	18.70	18.94	18.69	20.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.89	20.94	20.82	22.00
5	QPSK	1	12	20.84	20.82	20.66	22.00
5	QPSK	1	24	20.76	20.80	20.68	22.00
5	QPSK	12	0	20.73	20.82	20.62	22.00
5	QPSK	12	7	20.76	20.78	20.68	22.00
5	QPSK	12	13	20.71	20.78	20.67	22.00
5	QPSK	25	0	20.78	20.80	20.70	22.00
5	16QAM	1	0	20.63	20.80	20.59	22.00
5	16QAM	1	12	20.53	20.77	20.67	22.00
5	16QAM	1	24	20.67	20.82	20.60	22.00
5	16QAM	12	0	20.74	20.81	20.55	22.00
5	16QAM	12	7	20.49	20.67	20.66	22.00
5	16QAM	12	13	20.79	20.74	20.75	22.00
5	16QAM	25	0	20.74	20.81	20.72	22.00
5	64QAM	1	0	20.79	20.76	20.78	22.00
5	64QAM	1	12	20.74	20.81	20.71	22.00
5	64QAM	1	24	20.59	20.74	20.69	22.00
5	64QAM	12	0	20.58	20.74	20.67	22.00
5	64QAM	12	7	20.66	20.68	20.66	22.00
5	64QAM	12	13	20.77	20.82	20.71	22.00
5	64QAM	25	0	20.57	20.83	20.67	22.00
5	256QAM	1	0	18.79	18.98	18.90	20.00
5	256QAM	1	12	18.64	18.85	18.63	20.00
5	256QAM	1	24	18.76	18.87	18.79	20.00
5	256QAM	12	0	18.62	18.89	18.64	20.00
5	256QAM	12	7	18.75	18.90	18.78	20.00
5	256QAM	12	13	18.78	18.90	18.90	20.00
5	256QAM	25	0	18.73	18.90	18.66	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.95	20.92	20.84	22.00
3	QPSK	1	8	20.84	20.84	20.78	22.00



3	QPSK	1	14	20.66	20.79	20.58	22.00
3	QPSK	8	0	20.72	20.83	20.73	22.00
3	QPSK	8	4	20.72	20.84	20.72	22.00
3	QPSK	8	7	20.68	20.79	20.64	22.00
3	QPSK	15	0	20.78	20.79	20.72	22.00
3	16QAM	1	0	20.73	20.79	20.52	22.00
3	16QAM	1	8	20.65	20.73	20.66	22.00
3	16QAM	1	14	20.56	20.73	20.61	22.00
3	16QAM	8	0	20.71	20.75	20.67	22.00
3	16QAM	8	4	20.52	20.78	20.64	22.00
3	16QAM	8	7	20.80	20.82	20.63	22.00
3	16QAM	15	0	20.70	20.81	20.74	22.00
3	64QAM	1	0	20.77	20.77	20.75	22.00
3	64QAM	1	8	20.69	20.83	20.68	22.00
3	64QAM	1	14	20.63	20.76	20.65	22.00
3	64QAM	8	0	20.58	20.82	20.72	22.00
3	64QAM	8	4	20.68	20.75	20.70	22.00
3	64QAM	8	7	20.67	20.77	20.71	22.00
3	64QAM	15	0	20.63	20.80	20.70	22.00
3	256QAM	1	0	18.83	18.91	18.90	20.00
3	256QAM	1	8	18.65	18.78	18.65	20.00
3	256QAM	1	14	18.83	18.81	18.74	20.00
3	256QAM	8	0	18.70	18.90	18.65	20.00
3	256QAM	8	4	18.80	18.84	18.82	20.00
3	256QAM	8	7	18.84	18.90	18.85	20.00
3	256QAM	15	0	18.69	18.89	18.74	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.95	20.89	20.88	22.00
1.4	QPSK	1	3	20.84	20.79	20.78	22.00
1.4	QPSK	1	5	20.65	20.82	20.66	22.00
1.4	QPSK	3	0	20.76	20.91	20.63	22.00
1.4	QPSK	3	1	20.68	20.84	20.78	22.00
1.4	QPSK	3	3	20.63	20.86	20.60	22.00
1.4	QPSK	6	0	20.72	20.75	20.65	22.00
1.4	16QAM	1	0	20.75	20.79	20.50	22.00
1.4	16QAM	1	3	20.62	20.70	20.57	22.00
1.4	16QAM	1	5	20.64	20.74	20.67	22.00
1.4	16QAM	3	0	20.65	20.77	20.64	22.00
1.4	16QAM	3	1	20.63	20.69	20.69	22.00
1.4	16QAM	3	3	20.76	20.77	20.66	22.00
1.4	16QAM	6	0	20.68	20.84	20.71	22.00
1.4	64QAM	1	0	20.78	20.85	20.70	22.00
1.4	64QAM	1	3	20.71	20.85	20.64	22.00
1.4	64QAM	1	5	20.67	20.82	20.62	22.00
1.4	64QAM	3	0	20.68	20.73	20.62	22.00
1.4	64QAM	3	1	20.68	20.68	20.62	22.00
1.4	64QAM	3	3	20.65	20.86	20.62	22.00
1.4	64QAM	6	0	20.63	20.83	20.68	22.00
1.4	256QAM	1	0	19.78	19.99	19.84	21.00
1.4	256QAM	1	3	19.67	19.84	19.67	21.00
1.4	256QAM	1	5	19.82	19.93	19.74	21.00
1.4	256QAM	3	0	19.62	19.87	19.65	21.00
1.4	256QAM	3	1	19.77	19.87	19.85	21.00
1.4	256QAM	3	3	19.79	19.85	19.86	21.00
1.4	256QAM	6	0	19.71	19.90	19.67	21.00

【LTE Band 2_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.89	16.92	16.88	17.50
20	QPSK	1	49	16.63	16.66	16.75	17.50
20	QPSK	1	99	16.74	16.67	16.77	17.50
20	QPSK	50	0	16.81	16.85	16.77	17.50
20	QPSK	50	24	16.75	16.64	16.58	17.50
20	QPSK	50	50	16.63	16.81	16.67	17.50
20	QPSK	100	0	16.67	16.81	16.58	17.50



20	16QAM	1	0	16.76	16.72	16.68	17.50
20	16QAM	1	49	16.59	16.70	16.70	17.50
20	16QAM	1	99	16.78	16.81	16.80	17.50
20	16QAM	50	0	16.68	16.64	16.60	17.50
20	16QAM	50	24	16.66	16.68	16.58	17.50
20	16QAM	50	50	16.65	16.75	16.66	17.50
20	16QAM	100	0	16.74	16.74	16.80	17.50
20	64QAM	1	0	16.60	16.59	16.72	17.50
20	64QAM	1	49	16.59	16.75	16.60	17.50
20	64QAM	1	99	16.63	16.76	16.75	17.50
20	64QAM	50	0	16.76	16.76	16.63	17.50
20	64QAM	50	24	16.62	16.67	16.68	17.50
20	64QAM	50	50	16.61	16.75	16.81	17.50
20	64QAM	100	0	16.72	16.59	16.68	17.50
20	256QAM	1	0	16.65	16.72	16.60	17.50
20	256QAM	1	49	16.78	16.69	16.80	17.50
20	256QAM	1	99	16.66	16.64	16.81	17.50
20	256QAM	50	0	16.68	16.80	16.75	17.50
20	256QAM	50	24	16.71	16.74	16.63	17.50
20	256QAM	50	50	16.60	16.59	16.70	17.50
20	256QAM	100	0	16.62	16.79	16.58	17.50
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	16.79	16.90	16.79	17.50
15	QPSK	1	37	16.49	16.61	16.67	17.50
15	QPSK	1	74	16.60	16.53	16.75	17.50
15	QPSK	36	0	16.72	16.76	16.76	17.50
15	QPSK	36	20	16.65	16.50	16.57	17.50
15	QPSK	36	39	16.53	16.73	16.52	17.50
15	QPSK	75	0	16.59	16.73	16.57	17.50
15	16QAM	1	0	16.69	16.69	16.59	17.50
15	16QAM	1	37	16.54	16.65	16.64	17.50
15	16QAM	1	74	16.69	16.69	16.65	17.50
15	16QAM	36	0	16.67	16.55	16.48	17.50
15	16QAM	36	20	16.53	16.67	16.51	17.50
15	16QAM	36	39	16.63	16.73	16.54	17.50
15	16QAM	75	0	16.72	16.70	16.67	17.50
15	64QAM	1	0	16.49	16.44	16.62	17.50
15	64QAM	1	37	16.47	16.70	16.58	17.50
15	64QAM	1	74	16.54	16.63	16.72	17.50
15	64QAM	36	0	16.63	16.72	16.55	17.50
15	64QAM	36	20	16.60	16.57	16.66	17.50
15	64QAM	36	39	16.55	16.65	16.80	17.50
15	64QAM	75	0	16.61	16.46	16.59	17.50
15	256QAM	1	0	16.62	16.70	16.48	17.50
15	256QAM	1	37	16.72	16.66	16.75	17.50
15	256QAM	1	74	16.60	16.49	16.78	17.50
15	256QAM	36	0	16.53	16.77	16.70	17.50
15	256QAM	36	20	16.64	16.72	16.55	17.50
15	256QAM	36	39	16.47	16.56	16.62	17.50
15	256QAM	75	0	16.49	16.67	16.48	17.50
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	16.79	16.87	16.75	17.50
10	QPSK	1	25	16.50	16.61	16.67	17.50
10	QPSK	1	49	16.66	16.55	16.62	17.50
10	QPSK	25	0	16.71	16.72	16.66	17.50
10	QPSK	25	12	16.62	16.50	16.46	17.50
10	QPSK	25	25	16.54	16.70	16.60	17.50
10	QPSK	50	0	16.63	16.70	16.48	17.50
10	16QAM	1	0	16.70	16.63	16.59	17.50
10	16QAM	1	25	16.45	16.58	16.67	17.50
10	16QAM	1	49	16.69	16.75	16.68	17.50
10	16QAM	25	0	16.59	16.50	16.48	17.50
10	16QAM	25	12	16.53	16.59	16.51	17.50
10	16QAM	25	25	16.51	16.60	16.60	17.50
10	16QAM	50	0	16.73	16.67	16.65	17.50
10	64QAM	1	0	16.53	16.47	16.68	17.50
10	64QAM	1	25	16.50	16.66	16.52	17.50
10	64QAM	1	49	16.56	16.75	16.70	17.50
10	64QAM	25	0	16.65	16.74	16.56	17.50
10	64QAM	25	12	16.54	16.57	16.62	17.50
10	64QAM	25	25	16.58	16.69	16.72	17.50
10	64QAM	50	0	16.62	16.57	16.60	17.50



10	256QAM	1	0	16.61	16.67	16.57	17.50
10	256QAM	1	25	16.73	16.61	16.74	17.50
10	256QAM	1	49	16.53	16.54	16.70	17.50
10	256QAM	25	0	16.55	16.75	16.60	17.50
10	256QAM	25	12	16.58	16.65	16.51	17.50
10	256QAM	25	25	16.58	16.55	16.68	17.50
10	256QAM	50	0	16.51	16.66	16.52	17.50
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	16.78	16.83	16.71	17.50
5	QPSK	1	12	16.55	16.54	16.73	17.50
5	QPSK	1	24	16.60	16.60	16.69	17.50
5	QPSK	12	0	16.76	16.71	16.65	17.50
5	QPSK	12	7	16.73	16.62	16.47	17.50
5	QPSK	12	13	16.59	16.75	16.58	17.50
5	QPSK	25	0	16.53	16.79	16.51	17.50
5	16QAM	1	0	16.65	16.63	16.55	17.50
5	16QAM	1	12	16.53	16.67	16.66	17.50
5	16QAM	1	24	16.77	16.69	16.74	17.50
5	16QAM	12	0	16.59	16.55	16.55	17.50
5	16QAM	12	7	16.62	16.56	16.49	17.50
5	16QAM	12	13	16.59	16.69	16.60	17.50
5	16QAM	25	0	16.70	16.60	16.78	17.50
5	64QAM	1	0	16.47	16.48	16.68	17.50
5	64QAM	1	12	16.44	16.67	16.54	17.50
5	64QAM	1	24	16.59	16.70	16.68	17.50
5	64QAM	12	0	16.69	16.62	16.48	17.50
5	64QAM	12	7	16.48	16.64	16.65	17.50
5	64QAM	12	13	16.52	16.68	16.68	17.50
5	64QAM	25	0	16.63	16.48	16.56	17.50
5	256QAM	1	0	16.61	16.58	16.58	17.50
5	256QAM	1	12	16.76	16.66	16.66	17.50
5	256QAM	1	24	16.64	16.55	16.77	17.50
5	256QAM	12	0	16.56	16.74	16.63	17.50
5	256QAM	12	7	16.59	16.69	16.51	17.50
5	256QAM	12	13	16.53	16.48	16.57	17.50
5	256QAM	25	0	16.57	16.70	16.53	17.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.84	16.86	16.78	17.50
3	QPSK	1	8	16.56	16.54	16.73	17.50
3	QPSK	1	14	16.61	16.54	16.63	17.50
3	QPSK	8	0	16.68	16.75	16.67	17.50
3	QPSK	8	4	16.70	16.61	16.45	17.50
3	QPSK	8	7	16.53	16.69	16.59	17.50
3	QPSK	15	0	16.63	16.70	16.57	17.50
3	16QAM	1	0	16.70	16.59	16.57	17.50
3	16QAM	1	8	16.51	16.56	16.66	17.50
3	16QAM	1	14	16.74	16.72	16.69	17.50
3	16QAM	8	0	16.54	16.57	16.52	17.50
3	16QAM	8	4	16.65	16.59	16.53	17.50
3	16QAM	8	7	16.61	16.63	16.53	17.50
3	16QAM	15	0	16.67	16.63	16.65	17.50
3	64QAM	1	0	16.55	16.58	16.64	17.50
3	64QAM	1	8	16.47	16.62	16.49	17.50
3	64QAM	1	14	16.48	16.70	16.67	17.50
3	64QAM	8	0	16.63	16.73	16.50	17.50
3	64QAM	8	4	16.52	16.56	16.61	17.50
3	64QAM	8	7	16.58	16.68	16.72	17.50
3	64QAM	15	0	16.66	16.55	16.62	17.50
3	256QAM	1	0	16.53	16.69	16.54	17.50
3	256QAM	1	8	16.70	16.57	16.70	17.50
3	256QAM	1	14	16.53	16.51	16.72	17.50
3	256QAM	8	0	16.57	16.67	16.68	17.50
3	256QAM	8	4	16.61	16.70	16.54	17.50
3	256QAM	8	7	16.51	16.52	16.62	17.50
3	256QAM	15	0	16.51	16.67	16.49	17.50
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	16.84	16.81	16.71	17.50
1.4	QPSK	1	3	16.55	16.59	16.63	17.50
1.4	QPSK	1	5	16.64	16.60	16.70	17.50
1.4	QPSK	3	0	16.74	16.81	16.68	17.50
1.4	QPSK	3	1	16.68	16.62	16.48	17.50



1.4	QPSK	3	3	16.54	16.67	16.52	17.50
1.4	QPSK	6	0	16.59	16.70	16.46	17.50
1.4	16QAM	1	0	16.65	16.66	16.58	17.50
1.4	16QAM	1	3	16.58	16.64	16.58	17.50
1.4	16QAM	1	5	16.75	16.80	16.74	17.50
1.4	16QAM	3	0	16.58	16.55	16.52	17.50
1.4	16QAM	3	1	16.60	16.59	16.52	17.50
1.4	16QAM	3	3	16.58	16.66	16.59	17.50
1.4	16QAM	6	0	16.67	16.72	16.71	17.50
1.4	64QAM	1	0	16.59	16.50	16.63	17.50
1.4	64QAM	1	3	16.47	16.66	16.52	17.50
1.4	64QAM	1	5	16.49	16.65	16.73	17.50
1.4	64QAM	3	0	16.68	16.66	16.56	17.50
1.4	64QAM	3	1	16.57	16.64	16.55	17.50
1.4	64QAM	3	3	16.55	16.71	16.67	17.50
1.4	64QAM	6	0	16.65	16.48	16.56	17.50
1.4	256QAM	1	0	16.53	16.57	16.56	17.50
1.4	256QAM	1	3	16.66	16.67	16.76	17.50
1.4	256QAM	1	5	16.59	16.58	16.79	17.50
1.4	256QAM	3	0	16.54	16.66	16.69	17.50
1.4	256QAM	3	1	16.63	16.64	16.53	17.50
1.4	256QAM	3	3	16.49	16.47	16.62	17.50
1.4	256QAM	6	0	16.52	16.71	16.48	17.50

【LTE Band 2_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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.11	23.08	24.00
20	QPSK	1	49	22.74	22.79	22.76	24.00
20	QPSK	1	99	22.56	22.77	22.52	24.00
20	QPSK	50	0	22.76	22.99	22.80	24.00
20	QPSK	50	24	22.83	22.87	22.83	24.00
20	QPSK	50	50	22.88	22.97	22.80	24.00
20	QPSK	100	0	22.72	22.92	22.67	24.00
20	16QAM	1	0	22.98	23.08	23.03	24.00
20	16QAM	1	49	22.75	22.82	22.67	24.00
20	16QAM	1	99	22.69	22.69	22.67	24.00
20	16QAM	50	0	22.47	22.63	22.60	23.00
20	16QAM	50	24	22.38	22.49	22.36	23.00
20	16QAM	50	50	22.44	22.69	22.44	23.00
20	16QAM	100	0	22.45	22.66	22.65	23.00
20	64QAM	1	0	22.89	22.93	22.81	23.00
20	64QAM	1	49	22.47	22.71	22.56	23.00
20	64QAM	1	99	22.52	22.47	22.56	23.00
20	64QAM	50	0	21.47	21.62	21.51	22.00
20	64QAM	50	24	21.55	21.52	21.50	22.00
20	64QAM	50	50	21.44	21.70	21.38	22.00
20	64QAM	100	0	21.42	21.50	21.52	22.00
20	256QAM	1	0	19.58	19.75	19.64	20.00
20	256QAM	1	49	19.54	19.54	19.54	20.00
20	256QAM	1	99	19.30	19.37	19.32	20.00
20	256QAM	50	0	19.44	19.55	19.60	20.00
20	256QAM	50	24	19.38	19.53	19.45	20.00
20	256QAM	50	50	19.30	19.59	19.53	20.00
20	256QAM	100	0	19.38	19.66	19.60	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.00	23.08	22.96	24.00
15	QPSK	1	37	22.64	22.72	22.63	24.00
15	QPSK	1	74	22.50	22.73	22.40	24.00
15	QPSK	36	0	22.69	22.95	22.67	24.00
15	QPSK	36	20	22.73	22.80	22.68	24.00
15	QPSK	36	39	22.80	22.85	22.69	24.00
15	QPSK	75	0	22.63	22.82	22.52	24.00
15	16QAM	1	0	22.89	22.94	23.00	24.00
15	16QAM	1	37	22.65	22.76	22.56	24.00
15	16QAM	1	74	22.61	22.58	22.65	24.00



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15	16QAM	36	0	22.45	22.51	22.52	23.00
15	16QAM	36	20	22.33	22.36	22.24	23.00
15	16QAM	36	39	22.39	22.56	22.37	23.00
15	16QAM	75	0	22.40	22.64	22.53	23.00
15	64QAM	1	0	22.86	22.89	22.80	23.00
15	64QAM	1	37	22.37	22.64	22.52	23.00
15	64QAM	1	74	22.42	22.39	22.43	23.00
15	64QAM	36	0	21.45	21.54	21.47	22.00
15	64QAM	36	20	21.42	21.48	21.38	22.00
15	64QAM	36	39	21.34	21.69	21.35	22.00
15	64QAM	75	0	21.31	21.45	21.37	22.00
15	256QAM	1	0	19.54	19.74	19.57	20.00
15	256QAM	1	37	19.45	19.50	19.41	20.00
15	256QAM	1	74	19.27	19.27	19.29	20.00
15	256QAM	36	0	19.29	19.47	19.54	20.00
15	256QAM	36	20	19.23	19.48	19.30	20.00
15	256QAM	36	39	19.23	19.48	19.44	20.00
15	256QAM	75	0	19.36	19.57	19.48	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.96	23.02	22.95	24.00
10	QPSK	1	25	22.68	22.78	22.69	24.00
10	QPSK	1	49	22.45	22.74	22.45	24.00
10	QPSK	25	0	22.64	22.97	22.71	24.00
10	QPSK	25	12	22.78	22.85	22.75	24.00
10	QPSK	25	25	22.75	22.91	22.70	24.00
10	QPSK	50	0	22.71	22.85	22.65	24.00
10	16QAM	1	0	22.87	22.99	22.93	24.00
10	16QAM	1	25	22.74	22.71	22.56	24.00
10	16QAM	1	49	22.57	22.64	22.59	24.00
10	16QAM	25	0	22.34	22.53	22.49	23.00
10	16QAM	25	12	22.32	22.45	22.29	23.00
10	16QAM	25	25	22.36	22.59	22.39	23.00
10	16QAM	50	0	22.33	22.60	22.50	23.00
10	64QAM	1	0	22.75	22.86	22.73	23.00
10	64QAM	1	25	22.46	22.62	22.53	23.00
10	64QAM	1	49	22.39	22.43	22.53	23.00
10	64QAM	25	0	21.43	21.60	21.45	22.00
10	64QAM	25	12	21.43	21.43	21.38	22.00
10	64QAM	25	25	21.36	21.67	21.32	22.00
10	64QAM	50	0	21.32	21.46	21.48	22.00
10	256QAM	1	0	19.52	19.68	19.54	20.00
10	256QAM	1	25	19.53	19.51	19.49	20.00
10	256QAM	1	49	19.18	19.26	19.26	20.00
10	256QAM	25	0	19.39	19.46	19.46	20.00
10	256QAM	25	12	19.31	19.39	19.40	20.00
10	256QAM	25	25	19.25	19.52	19.40	20.00
10	256QAM	50	0	19.25	19.60	19.54	20.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.91	23.05	23.06	24.00
5	QPSK	1	12	22.61	22.65	22.71	24.00
5	QPSK	1	24	22.42	22.67	22.46	24.00
5	QPSK	12	0	22.74	22.87	22.68	24.00
5	QPSK	12	7	22.69	22.78	22.70	24.00
5	QPSK	12	13	22.82	22.83	22.76	24.00
5	QPSK	25	0	22.66	22.84	22.56	24.00
5	16QAM	1	0	22.94	23.02	23.02	24.00
5	16QAM	1	12	22.67	22.81	22.54	24.00
5	16QAM	1	24	22.65	22.66	22.61	24.00
5	16QAM	12	0	22.39	22.56	22.52	23.00
5	16QAM	12	7	22.24	22.37	22.34	23.00
5	16QAM	12	13	22.32	22.54	22.33	23.00
5	16QAM	25	0	22.36	22.58	22.59	23.00
5	64QAM	1	0	22.83	22.79	22.79	23.00
5	64QAM	1	12	22.33	22.59	22.50	23.00
5	64QAM	1	24	22.37	22.36	22.42	23.00
5	64QAM	12	0	21.36	21.49	21.45	22.00
5	64QAM	12	7	21.46	21.40	21.36	22.00
5	64QAM	12	13	21.33	21.67	21.29	22.00
5	64QAM	25	0	21.38	21.44	21.45	22.00
5	256QAM	1	0	19.46	19.71	19.61	20.00
5	256QAM	1	12	19.45	19.39	19.52	20.00
5	256QAM	1	24	19.22	19.29	19.20	20.00



5	256QAM	12	0	19.41	19.48	19.49	20.00
5	256QAM	12	7	19.27	19.46	19.34	20.00
5	256QAM	12	13	19.18	19.47	19.48	20.00
5	256QAM	25	0	19.26	19.58	19.50	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.89	23.08	22.94	24.00
3	QPSK	1	8	22.72	22.77	22.75	24.00
3	QPSK	1	14	22.44	22.67	22.40	24.00
3	QPSK	8	0	22.65	22.87	22.77	24.00
3	QPSK	8	4	22.75	22.85	22.74	24.00
3	QPSK	8	7	22.86	22.87	22.69	24.00
3	QPSK	15	0	22.70	22.87	22.54	24.00
3	16QAM	1	0	22.93	23.06	22.98	24.00
3	16QAM	1	8	22.72	22.70	22.53	24.00
3	16QAM	1	14	22.61	22.65	22.66	24.00
3	16QAM	8	0	22.40	22.60	22.55	23.00
3	16QAM	8	4	22.35	22.48	22.27	23.00
3	16QAM	8	7	22.38	22.62	22.40	23.00
3	16QAM	15	0	22.36	22.65	22.50	23.00
3	64QAM	1	0	22.87	22.91	22.71	23.00
3	64QAM	1	8	22.40	22.65	22.42	23.00
3	64QAM	1	14	22.39	22.33	22.44	23.00
3	64QAM	8	0	21.37	21.53	21.41	22.00
3	64QAM	8	4	21.51	21.47	21.46	22.00
3	64QAM	8	7	21.38	21.59	21.29	22.00
3	64QAM	15	0	21.36	21.46	21.43	22.00
3	256QAM	1	0	19.55	19.62	19.61	20.00
3	256QAM	1	8	19.47	19.41	19.42	20.00
3	256QAM	1	14	19.15	19.27	19.24	20.00
3	256QAM	8	0	19.31	19.52	19.49	20.00
3	256QAM	8	4	19.36	19.42	19.37	20.00
3	256QAM	8	7	19.15	19.48	19.50	20.00
3	256QAM	15	0	19.27	19.52	19.54	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.95	23.04	23.00	24.00
1.4	QPSK	1	3	22.63	22.68	22.64	24.00
1.4	QPSK	1	5	22.47	22.76	22.46	24.00
1.4	QPSK	3	0	22.61	22.85	22.78	24.00
1.4	QPSK	3	1	22.73	22.83	22.70	24.00
1.4	QPSK	3	3	22.78	22.94	22.67	24.00
1.4	QPSK	6	0	22.61	22.90	22.53	24.00
1.4	16QAM	1	0	22.97	22.99	22.96	24.00
1.4	16QAM	1	3	22.73	22.71	22.63	24.00
1.4	16QAM	1	5	22.68	22.66	22.58	24.00
1.4	16QAM	3	0	22.37	22.59	22.54	23.00
1.4	16QAM	3	1	22.32	22.35	22.25	23.00
1.4	16QAM	3	3	22.38	22.68	22.33	23.00
1.4	16QAM	6	0	22.32	22.61	22.52	23.00
1.4	64QAM	1	0	22.80	22.89	22.76	23.00
1.4	64QAM	1	3	22.40	22.69	22.43	23.00
1.4	64QAM	1	5	22.46	22.44	22.43	23.00
1.4	64QAM	3	0	21.39	21.57	21.48	22.00
1.4	64QAM	3	1	21.48	21.42	21.48	22.00
1.4	64QAM	3	3	21.37	21.66	21.26	22.00
1.4	64QAM	6	0	21.39	21.36	21.44	22.00
1.4	256QAM	1	0	19.51	19.67	19.52	20.00
1.4	256QAM	1	3	19.42	19.47	19.48	20.00
1.4	256QAM	1	5	19.27	19.32	19.25	20.00
1.4	256QAM	3	0	19.29	19.47	19.57	20.00
1.4	256QAM	3	1	19.35	19.42	19.38	20.00
1.4	256QAM	3	3	19.24	19.47	19.40	20.00
1.4	256QAM	6	0	19.31	19.56	19.59	20.00



【LTE Band 2_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.11	23.08	24.00
20	QPSK	1	49	22.74	22.79	22.76	24.00
20	QPSK	1	99	22.56	22.77	22.52	24.00
20	QPSK	50	0	22.76	22.99	22.80	24.00
20	QPSK	50	24	22.83	22.87	22.83	24.00
20	QPSK	50	50	22.88	22.97	22.80	24.00
20	QPSK	100	0	22.72	22.92	22.67	24.00
20	16QAM	1	0	22.98	23.08	23.03	24.00
20	16QAM	1	49	22.75	22.82	22.67	24.00
20	16QAM	1	99	22.69	22.69	22.67	24.00
20	16QAM	50	0	22.47	22.63	22.60	23.00
20	16QAM	50	24	22.38	22.49	22.36	23.00
20	16QAM	50	50	22.44	22.69	22.44	23.00
20	16QAM	100	0	22.45	22.66	22.65	23.00
20	64QAM	1	0	22.89	22.93	22.81	23.00
20	64QAM	1	49	22.47	22.71	22.56	23.00
20	64QAM	1	99	22.52	22.47	22.56	23.00
20	64QAM	50	0	21.47	21.62	21.51	22.00
20	64QAM	50	24	21.55	21.52	21.50	22.00
20	64QAM	50	50	21.44	21.70	21.38	22.00
20	64QAM	100	0	21.42	21.50	21.52	22.00
20	256QAM	1	0	19.58	19.75	19.64	20.00
20	256QAM	1	49	19.54	19.54	19.54	20.00
20	256QAM	1	99	19.30	19.37	19.32	20.00
20	256QAM	50	0	19.44	19.55	19.60	20.00
20	256QAM	50	24	19.38	19.53	19.45	20.00
20	256QAM	50	50	19.30	19.59	19.53	20.00
20	256QAM	100	0	19.38	19.66	19.60	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.00	23.08	22.96	24.00
15	QPSK	1	37	22.64	22.72	22.63	24.00
15	QPSK	1	74	22.50	22.73	22.40	24.00
15	QPSK	36	0	22.69	22.95	22.67	24.00
15	QPSK	36	20	22.73	22.80	22.68	24.00
15	QPSK	36	39	22.80	22.85	22.69	24.00
15	QPSK	75	0	22.63	22.82	22.52	24.00
15	16QAM	1	0	22.89	22.94	23.00	24.00
15	16QAM	1	37	22.65	22.76	22.56	24.00
15	16QAM	1	74	22.61	22.58	22.65	24.00
15	16QAM	36	0	22.45	22.51	22.52	23.00
15	16QAM	36	20	22.33	22.36	22.24	23.00
15	16QAM	36	39	22.39	22.56	22.37	23.00
15	16QAM	75	0	22.40	22.64	22.53	23.00
15	64QAM	1	0	22.86	22.89	22.80	23.00
15	64QAM	1	37	22.37	22.64	22.52	23.00
15	64QAM	1	74	22.42	22.39	22.43	23.00
15	64QAM	36	0	21.45	21.54	21.47	22.00
15	64QAM	36	20	21.42	21.48	21.38	22.00
15	64QAM	36	39	21.34	21.69	21.35	22.00
15	64QAM	75	0	21.31	21.45	21.37	22.00
15	256QAM	1	0	19.54	19.74	19.57	20.00
15	256QAM	1	37	19.45	19.50	19.41	20.00
15	256QAM	1	74	19.27	19.27	19.29	20.00
15	256QAM	36	0	19.29	19.47	19.54	20.00
15	256QAM	36	20	19.23	19.48	19.30	20.00
15	256QAM	36	39	19.23	19.48	19.44	20.00
15	256QAM	75	0	19.36	19.57	19.48	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.96	23.02	22.95	24.00
10	QPSK	1	25	22.68	22.78	22.69	24.00
10	QPSK	1	49	22.45	22.74	22.45	24.00
10	QPSK	25	0	22.64	22.97	22.71	24.00
10	QPSK	25	12	22.78	22.85	22.75	24.00
10	QPSK	25	25	22.75	22.91	22.70	24.00
10	QPSK	50	0	22.71	22.85	22.65	24.00



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10	16QAM	1	0	22.87	22.99	22.93	24.00
10	16QAM	1	25	22.74	22.71	22.56	24.00
10	16QAM	1	49	22.57	22.64	22.59	24.00
10	16QAM	25	0	22.34	22.53	22.49	23.00
10	16QAM	25	12	22.32	22.45	22.29	23.00
10	16QAM	25	25	22.36	22.59	22.39	23.00
10	16QAM	50	0	22.33	22.60	22.50	23.00
10	64QAM	1	0	22.75	22.86	22.73	23.00
10	64QAM	1	25	22.46	22.62	22.53	23.00
10	64QAM	1	49	22.39	22.43	22.53	23.00
10	64QAM	25	0	21.43	21.60	21.45	22.00
10	64QAM	25	12	21.43	21.43	21.38	22.00
10	64QAM	25	25	21.36	21.67	21.32	22.00
10	64QAM	50	0	21.32	21.46	21.48	22.00
10	256QAM	1	0	19.52	19.68	19.54	20.00
10	256QAM	1	25	19.53	19.51	19.49	20.00
10	256QAM	1	49	19.18	19.26	19.26	20.00
10	256QAM	25	0	19.39	19.46	19.46	20.00
10	256QAM	25	12	19.31	19.39	19.40	20.00
10	256QAM	25	25	19.25	19.52	19.40	20.00
10	256QAM	50	0	19.25	19.60	19.54	20.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.91	23.05	23.06	24.00
5	QPSK	1	12	22.61	22.65	22.71	24.00
5	QPSK	1	24	22.42	22.67	22.46	24.00
5	QPSK	12	0	22.74	22.87	22.68	24.00
5	QPSK	12	7	22.69	22.78	22.70	24.00
5	QPSK	12	13	22.82	22.83	22.76	24.00
5	QPSK	25	0	22.66	22.84	22.56	24.00
5	16QAM	1	0	22.94	23.02	23.02	24.00
5	16QAM	1	12	22.67	22.81	22.54	24.00
5	16QAM	1	24	22.65	22.66	22.61	24.00
5	16QAM	12	0	22.39	22.56	22.52	23.00
5	16QAM	12	7	22.24	22.37	22.34	23.00
5	16QAM	12	13	22.32	22.54	22.33	23.00
5	16QAM	25	0	22.36	22.58	22.59	23.00
5	64QAM	1	0	22.83	22.79	22.79	23.00
5	64QAM	1	12	22.33	22.59	22.50	23.00
5	64QAM	1	24	22.37	22.36	22.42	23.00
5	64QAM	12	0	21.36	21.49	21.45	22.00
5	64QAM	12	7	21.46	21.40	21.36	22.00
5	64QAM	12	13	21.33	21.67	21.29	22.00
5	64QAM	25	0	21.38	21.44	21.45	22.00
5	256QAM	1	0	19.46	19.71	19.61	20.00
5	256QAM	1	12	19.45	19.39	19.52	20.00
5	256QAM	1	24	19.22	19.29	19.20	20.00
5	256QAM	12	0	19.41	19.48	19.49	20.00
5	256QAM	12	7	19.27	19.46	19.34	20.00
5	256QAM	12	13	19.18	19.47	19.48	20.00
5	256QAM	25	0	19.26	19.58	19.50	20.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.89	23.08	22.94	24.00
3	QPSK	1	8	22.72	22.77	22.75	24.00
3	QPSK	1	14	22.44	22.67	22.40	24.00
3	QPSK	8	0	22.65	22.87	22.77	24.00
3	QPSK	8	4	22.75	22.85	22.74	24.00
3	QPSK	8	7	22.86	22.87	22.69	24.00
3	QPSK	15	0	22.70	22.87	22.54	24.00
3	16QAM	1	0	22.93	23.06	22.98	24.00
3	16QAM	1	8	22.72	22.70	22.53	24.00
3	16QAM	1	14	22.61	22.65	22.66	24.00
3	16QAM	8	0	22.40	22.60	22.55	23.00
3	16QAM	8	4	22.35	22.48	22.27	23.00
3	16QAM	8	7	22.38	22.62	22.40	23.00
3	16QAM	15	0	22.36	22.65	22.50	23.00
3	64QAM	1	0	22.87	22.91	22.71	23.00
3	64QAM	1	8	22.40	22.65	22.42	23.00
3	64QAM	1	14	22.39	22.33	22.44	23.00
3	64QAM	8	0	21.37	21.53	21.41	22.00
3	64QAM	8	4	21.51	21.47	21.46	22.00
3	64QAM	8	7	21.38	21.59	21.29	22.00
3	64QAM	15	0	21.36	21.46	21.43	22.00



3	256QAM	1	0	19.55	19.62	19.61	20.00
3	256QAM	1	8	19.47	19.41	19.42	20.00
3	256QAM	1	14	19.15	19.27	19.24	20.00
3	256QAM	8	0	19.31	19.52	19.49	20.00
3	256QAM	8	4	19.36	19.42	19.37	20.00
3	256QAM	8	7	19.15	19.48	19.50	20.00
3	256QAM	15	0	19.27	19.52	19.54	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.95	23.04	23.00	24.00
1.4	QPSK	1	3	22.63	22.68	22.64	24.00
1.4	QPSK	1	5	22.47	22.76	22.46	24.00
1.4	QPSK	3	0	22.61	22.85	22.78	24.00
1.4	QPSK	3	1	22.73	22.83	22.70	24.00
1.4	QPSK	3	3	22.78	22.94	22.67	24.00
1.4	QPSK	6	0	22.61	22.90	22.53	24.00
1.4	16QAM	1	0	22.97	22.99	22.96	24.00
1.4	16QAM	1	3	22.73	22.71	22.63	24.00
1.4	16QAM	1	5	22.68	22.66	22.58	24.00
1.4	16QAM	3	0	22.37	22.59	22.54	23.00
1.4	16QAM	3	1	22.32	22.35	22.25	23.00
1.4	16QAM	3	3	22.38	22.68	22.33	23.00
1.4	16QAM	6	0	22.32	22.61	22.52	23.00
1.4	64QAM	1	0	22.80	22.89	22.76	23.00
1.4	64QAM	1	3	22.40	22.69	22.43	23.00
1.4	64QAM	1	5	22.46	22.44	22.43	23.00
1.4	64QAM	3	0	21.39	21.57	21.48	22.00
1.4	64QAM	3	1	21.48	21.42	21.48	22.00
1.4	64QAM	3	3	21.37	21.66	21.26	22.00
1.4	64QAM	6	0	21.39	21.36	21.44	22.00
1.4	256QAM	1	0	19.51	19.67	19.52	20.00
1.4	256QAM	1	3	19.42	19.47	19.48	20.00
1.4	256QAM	1	5	19.27	19.32	19.25	20.00
1.4	256QAM	3	0	19.29	19.47	19.57	20.00
1.4	256QAM	3	1	19.35	19.42	19.38	20.00
1.4	256QAM	3	3	19.24	19.47	19.40	20.00
1.4	256QAM	6	0	19.31	19.56	19.59	20.00

【LTE Band 2_Ant 8_DSI 3】

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	20.25	20.26	20.23	21.50
20	QPSK	1	49	20.04	20.04	20.17	21.50
20	QPSK	1	99	20.04	20.09	20.22	21.50
20	QPSK	50	0	20.21	20.23	20.20	21.50
20	QPSK	50	24	20.20	20.07	20.13	21.50
20	QPSK	50	50	20.19	20.08	20.18	21.50
20	QPSK	100	0	20.09	20.17	20.07	21.50
20	16QAM	1	0	20.13	20.25	20.10	21.50
20	16QAM	1	49	20.08	20.18	20.23	21.50
20	16QAM	1	99	20.13	20.22	20.04	21.50
20	16QAM	50	0	20.18	20.10	20.18	21.50
20	16QAM	50	24	20.09	20.15	20.25	21.50
20	16QAM	50	50	20.10	20.20	20.18	21.50
20	16QAM	100	0	20.10	20.18	20.05	21.50
20	64QAM	1	0	20.15	20.16	20.26	21.50
20	64QAM	1	49	20.13	20.20	20.21	21.50
20	64QAM	1	99	20.03	20.12	20.03	21.50
20	64QAM	50	0	20.05	20.17	20.10	21.50
20	64QAM	50	24	20.11	20.16	20.25	21.50
20	64QAM	50	50	20.10	20.09	20.21	21.50
20	64QAM	100	0	20.19	20.04	20.03	21.50
20	256QAM	1	0	18.74	18.80	18.68	20.00
20	256QAM	1	49	18.68	18.76	18.77	20.00
20	256QAM	1	99	18.71	18.58	18.76	20.00
20	256QAM	50	0	18.62	18.77	18.64	20.00
20	256QAM	50	24	18.76	18.64	18.59	20.00



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20	256QAM	50	50	18.81	18.67	18.75	20.00
20	256QAM	100	0	18.62	18.60	18.74	20.00
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	20.12	20.13	19.94	21.50
15	QPSK	1	37	20.02	19.96	20.13	21.50
15	QPSK	1	74	19.97	20.04	20.16	21.50
15	QPSK	36	0	19.98	20.09	20.04	21.50
15	QPSK	36	20	20.16	20.06	20.10	21.50
15	QPSK	36	39	20.08	20.02	20.07	21.50
15	QPSK	75	0	20.07	20.02	19.94	21.50
15	16QAM	1	0	20.06	20.24	20.00	21.50
15	16QAM	1	37	19.99	20.12	20.12	21.50
15	16QAM	1	74	20.06	20.20	19.93	21.50
15	16QAM	36	0	20.04	19.97	20.06	21.50
15	16QAM	36	20	19.97	20.13	20.11	21.50
15	16QAM	36	39	20.07	20.11	20.08	21.50
15	16QAM	75	0	20.00	20.05	20.00	21.50
15	64QAM	1	0	20.01	20.05	20.14	21.50
15	64QAM	1	37	20.05	20.16	20.07	21.50
15	64QAM	1	74	19.88	20.07	19.93	21.50
15	64QAM	36	0	19.99	20.15	20.06	21.50
15	64QAM	36	20	20.08	20.14	20.21	21.50
15	64QAM	36	39	20.07	20.03	20.14	21.50
15	64QAM	75	0	20.07	19.98	20.02	21.50
15	256QAM	1	0	18.66	18.73	18.65	20.00
15	256QAM	1	37	18.66	18.66	18.68	20.00
15	256QAM	1	74	18.60	18.53	18.61	20.00
15	256QAM	36	0	18.54	18.65	18.60	20.00
15	256QAM	36	20	18.65	18.51	18.49	20.00
15	256QAM	36	39	18.73	18.65	18.68	20.00
15	256QAM	75	0	18.51	18.58	18.67	20.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.12	20.15	20.01	21.50
10	QPSK	1	25	19.95	19.99	20.12	21.50
10	QPSK	1	49	19.90	20.06	20.15	21.50
10	QPSK	25	0	20.01	20.18	20.10	21.50
10	QPSK	25	12	20.10	19.98	20.11	21.50
10	QPSK	25	25	20.17	20.04	20.13	21.50
10	QPSK	50	0	20.07	20.13	20.01	21.50
10	16QAM	1	0	20.05	20.11	19.98	21.50
10	16QAM	1	25	19.95	20.09	20.15	21.50
10	16QAM	1	49	20.06	20.13	19.95	21.50
10	16QAM	25	0	20.15	20.00	20.09	21.50
10	16QAM	25	12	20.06	20.04	20.23	21.50
10	16QAM	25	25	20.03	20.06	20.11	21.50
10	16QAM	50	0	20.04	20.15	19.93	21.50
10	64QAM	1	0	20.12	20.08	20.23	21.50
10	64QAM	1	25	20.04	20.15	20.13	21.50
10	64QAM	1	49	19.94	19.99	19.93	21.50
10	64QAM	25	0	19.90	20.05	19.97	21.50
10	64QAM	25	12	19.99	20.09	20.10	21.50
10	64QAM	25	25	20.06	19.95	20.07	21.50
10	64QAM	50	0	20.16	19.90	19.96	21.50
10	256QAM	1	0	18.67	18.77	18.56	20.00
10	256QAM	1	25	18.60	18.70	18.66	20.00
10	256QAM	1	49	18.63	18.48	18.70	20.00
10	256QAM	25	0	18.56	18.63	18.54	20.00
10	256QAM	25	12	18.62	18.59	18.46	20.00
10	256QAM	25	25	18.72	18.66	18.68	20.00
10	256QAM	50	0	18.54	18.58	18.65	20.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.21	20.17	19.97	21.50
5	QPSK	1	12	19.96	19.97	20.12	21.50
5	QPSK	1	24	20.02	19.98	20.08	21.50
5	QPSK	12	0	19.96	20.09	20.04	21.50
5	QPSK	12	7	20.09	19.95	20.05	21.50
5	QPSK	12	13	20.16	19.99	20.08	21.50
5	QPSK	25	0	20.04	20.03	19.97	21.50
5	16QAM	1	0	20.07	20.10	20.00	21.50
5	16QAM	1	12	20.04	20.14	20.19	21.50
5	16QAM	1	24	20.09	20.10	20.01	21.50



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5	16QAM	12	0	20.08	20.01	20.14	21.50
5	16QAM	12	7	19.96	20.07	20.15	21.50
5	16QAM	12	13	20.05	20.07	20.14	21.50
5	16QAM	25	0	19.96	20.10	19.97	21.50
5	64QAM	1	0	20.04	20.06	20.23	21.50
5	64QAM	1	12	20.03	20.14	20.06	21.50
5	64QAM	1	24	19.92	20.09	20.01	21.50
5	64QAM	12	0	19.93	20.03	20.04	21.50
5	64QAM	12	7	19.97	20.12	20.22	21.50
5	64QAM	12	13	20.06	19.97	20.13	21.50
5	64QAM	25	0	20.14	19.89	19.93	21.50
5	256QAM	1	0	18.62	18.73	18.63	20.00
5	256QAM	1	12	18.65	18.68	18.74	20.00
5	256QAM	1	24	18.63	18.45	18.74	20.00
5	256QAM	12	0	18.48	18.62	18.51	20.00
5	256QAM	12	7	18.73	18.57	18.57	20.00
5	256QAM	12	13	18.68	18.54	18.60	20.00
5	256QAM	25	0	18.50	18.55	18.62	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.23	20.16	19.94	21.50
3	QPSK	1	8	19.89	19.99	20.06	21.50
3	QPSK	1	14	19.96	19.94	20.15	21.50
3	QPSK	8	0	19.92	20.22	20.00	21.50
3	QPSK	8	4	20.18	19.94	20.07	21.50
3	QPSK	8	7	20.05	20.04	20.09	21.50
3	QPSK	15	0	19.95	20.12	20.03	21.50
3	16QAM	1	0	20.07	20.13	19.99	21.50
3	16QAM	1	8	20.05	20.09	20.14	21.50
3	16QAM	1	14	20.08	20.08	20.00	21.50
3	16QAM	8	0	20.14	20.09	20.13	21.50
3	16QAM	8	4	20.00	20.09	20.11	21.50
3	16QAM	8	7	19.95	20.15	20.10	21.50
3	16QAM	15	0	20.03	20.16	19.95	21.50
3	64QAM	1	0	20.04	20.14	20.14	21.50
3	64QAM	1	8	20.04	20.13	20.18	21.50
3	64QAM	1	14	19.94	20.06	19.88	21.50
3	64QAM	8	0	20.04	20.09	20.03	21.50
3	64QAM	8	4	20.02	20.11	20.17	21.50
3	64QAM	8	7	20.04	20.06	20.18	21.50
3	64QAM	15	0	20.10	19.95	19.98	21.50
3	256QAM	1	0	18.72	18.70	18.55	20.00
3	256QAM	1	8	18.56	18.69	18.67	20.00
3	256QAM	1	14	18.59	18.51	18.62	20.00
3	256QAM	8	0	18.61	18.63	18.52	20.00
3	256QAM	8	4	18.73	18.58	18.49	20.00
3	256QAM	8	7	18.69	18.58	18.62	20.00
3	256QAM	15	0	18.50	18.54	18.68	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.13	20.21	20.04	21.50
1.4	QPSK	1	3	20.02	19.91	20.12	21.50
1.4	QPSK	1	5	19.93	20.06	20.11	21.50
1.4	QPSK	3	0	20.01	20.13	20.06	21.50
1.4	QPSK	3	1	20.19	19.96	20.01	21.50
1.4	QPSK	3	3	20.06	19.97	20.05	21.50
1.4	QPSK	6	0	20.01	20.08	19.96	21.50
1.4	16QAM	1	0	20.12	20.11	20.07	21.50
1.4	16QAM	1	3	19.95	20.05	20.14	21.50
1.4	16QAM	1	5	20.00	20.11	20.02	21.50
1.4	16QAM	3	0	20.04	20.01	20.08	21.50
1.4	16QAM	3	1	19.97	20.13	20.11	21.50
1.4	16QAM	3	3	20.00	20.12	20.13	21.50
1.4	16QAM	6	0	19.96	20.10	20.01	21.50
1.4	64QAM	1	0	20.11	20.10	20.12	21.50
1.4	64QAM	1	3	20.01	20.17	20.09	21.50
1.4	64QAM	1	5	19.94	20.07	19.99	21.50
1.4	64QAM	3	0	20.03	20.09	20.05	21.50
1.4	64QAM	3	1	19.99	20.14	20.14	21.50
1.4	64QAM	3	3	20.07	19.99	20.20	21.50
1.4	64QAM	6	0	20.14	19.92	19.99	21.50
1.4	256QAM	1	0	18.71	18.69	18.58	20.00
1.4	256QAM	1	3	18.67	18.66	18.68	20.00
1.4	256QAM	1	5	18.58	18.56	18.64	20.00



1.4	256QAM	3	0	18.58	18.75	18.62	20.00
1.4	256QAM	3	1	18.69	18.51	18.47	20.00
1.4	256QAM	3	3	18.72	18.53	18.63	20.00
1.4	256QAM	6	0	18.48	18.54	18.63	20.00

【LTE Band 2_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.04	23.11	23.08	24.00
20	QPSK	1	49	22.74	22.79	22.76	24.00
20	QPSK	1	99	22.56	22.77	22.52	24.00
20	QPSK	50	0	22.76	22.99	22.80	24.00
20	QPSK	50	24	22.83	22.87	22.83	24.00
20	QPSK	50	50	22.88	22.97	22.80	24.00
20	QPSK	100	0	22.72	22.92	22.67	24.00
20	16QAM	1	0	22.98	23.08	23.03	24.00
20	16QAM	1	49	22.75	22.82	22.67	24.00
20	16QAM	1	99	22.69	22.69	22.67	24.00
20	16QAM	50	0	22.47	22.63	22.60	23.00
20	16QAM	50	24	22.38	22.49	22.36	23.00
20	16QAM	50	50	22.44	22.69	22.44	23.00
20	16QAM	100	0	22.45	22.66	22.65	23.00
20	64QAM	1	0	22.89	22.93	22.81	23.00
20	64QAM	1	49	22.47	22.71	22.56	23.00
20	64QAM	1	99	22.52	22.47	22.56	23.00
20	64QAM	50	0	21.47	21.62	21.51	22.00
20	64QAM	50	24	21.55	21.52	21.50	22.00
20	64QAM	50	50	21.44	21.70	21.38	22.00
20	64QAM	100	0	21.42	21.50	21.52	22.00
20	256QAM	1	0	19.58	19.75	19.64	20.00
20	256QAM	1	49	19.54	19.54	19.54	20.00
20	256QAM	1	99	19.30	19.37	19.32	20.00
20	256QAM	50	0	19.44	19.55	19.60	20.00
20	256QAM	50	24	19.38	19.53	19.45	20.00
20	256QAM	50	50	19.30	19.59	19.53	20.00
20	256QAM	100	0	19.38	19.66	19.60	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.00	23.08	22.96	24.00
15	QPSK	1	37	22.64	22.72	22.63	24.00
15	QPSK	1	74	22.50	22.73	22.40	24.00
15	QPSK	36	0	22.69	22.95	22.67	24.00
15	QPSK	36	20	22.73	22.80	22.68	24.00
15	QPSK	36	39	22.80	22.85	22.69	24.00
15	QPSK	75	0	22.63	22.82	22.52	24.00
15	16QAM	1	0	22.89	22.94	23.00	24.00
15	16QAM	1	37	22.65	22.76	22.56	24.00
15	16QAM	1	74	22.61	22.58	22.65	24.00
15	16QAM	36	0	22.45	22.51	22.52	23.00
15	16QAM	36	20	22.33	22.36	22.24	23.00
15	16QAM	36	39	22.39	22.56	22.37	23.00
15	16QAM	75	0	22.40	22.64	22.53	23.00
15	64QAM	1	0	22.86	22.89	22.80	23.00
15	64QAM	1	37	22.37	22.64	22.52	23.00
15	64QAM	1	74	22.42	22.39	22.43	23.00
15	64QAM	36	0	21.45	21.54	21.47	22.00
15	64QAM	36	20	21.42	21.48	21.38	22.00
15	64QAM	36	39	21.34	21.69	21.35	22.00
15	64QAM	75	0	21.31	21.45	21.37	22.00
15	256QAM	1	0	19.54	19.74	19.57	20.00
15	256QAM	1	37	19.45	19.50	19.41	20.00
15	256QAM	1	74	19.27	19.27	19.29	20.00
15	256QAM	36	0	19.29	19.47	19.54	20.00
15	256QAM	36	20	19.23	19.48	19.30	20.00
15	256QAM	36	39	19.23	19.48	19.44	20.00
15	256QAM	75	0	19.36	19.57	19.48	20.00
Channel				18650	18900	19150	Tune-up limit



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Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.96	23.02	22.95	24.00
10	QPSK	1	25	22.68	22.78	22.69	24.00
10	QPSK	1	49	22.45	22.74	22.45	24.00
10	QPSK	25	0	22.64	22.97	22.71	24.00
10	QPSK	25	12	22.78	22.85	22.75	24.00
10	QPSK	25	25	22.75	22.91	22.70	24.00
10	QPSK	50	0	22.71	22.85	22.65	24.00
10	16QAM	1	0	22.87	22.99	22.93	24.00
10	16QAM	1	25	22.74	22.71	22.56	24.00
10	16QAM	1	49	22.57	22.64	22.59	24.00
10	16QAM	25	0	22.34	22.53	22.49	23.00
10	16QAM	25	12	22.32	22.45	22.29	23.00
10	16QAM	25	25	22.36	22.59	22.39	23.00
10	16QAM	50	0	22.33	22.60	22.50	23.00
10	64QAM	1	0	22.75	22.86	22.73	23.00
10	64QAM	1	25	22.46	22.62	22.53	23.00
10	64QAM	1	49	22.39	22.43	22.53	23.00
10	64QAM	25	0	21.43	21.60	21.45	22.00
10	64QAM	25	12	21.43	21.43	21.38	22.00
10	64QAM	25	25	21.36	21.67	21.32	22.00
10	64QAM	50	0	21.32	21.46	21.48	22.00
10	256QAM	1	0	19.52	19.68	19.54	20.00
10	256QAM	1	25	19.53	19.51	19.49	20.00
10	256QAM	1	49	19.18	19.26	19.26	20.00
10	256QAM	25	0	19.39	19.46	19.46	20.00
10	256QAM	25	12	19.31	19.39	19.40	20.00
10	256QAM	25	25	19.25	19.52	19.40	20.00
10	256QAM	50	0	19.25	19.60	19.54	20.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.91	23.05	23.06	24.00
5	QPSK	1	12	22.61	22.65	22.71	24.00
5	QPSK	1	24	22.42	22.67	22.46	24.00
5	QPSK	12	0	22.74	22.87	22.68	24.00
5	QPSK	12	7	22.69	22.78	22.70	24.00
5	QPSK	12	13	22.82	22.83	22.76	24.00
5	QPSK	25	0	22.66	22.84	22.56	24.00
5	16QAM	1	0	22.94	23.02	23.02	24.00
5	16QAM	1	12	22.67	22.81	22.54	24.00
5	16QAM	1	24	22.65	22.66	22.61	24.00
5	16QAM	12	0	22.39	22.56	22.52	23.00
5	16QAM	12	7	22.24	22.37	22.34	23.00
5	16QAM	12	13	22.32	22.54	22.33	23.00
5	16QAM	25	0	22.36	22.58	22.59	23.00
5	64QAM	1	0	22.83	22.79	22.79	23.00
5	64QAM	1	12	22.33	22.59	22.50	23.00
5	64QAM	1	24	22.37	22.36	22.42	23.00
5	64QAM	12	0	21.36	21.49	21.45	22.00
5	64QAM	12	7	21.46	21.40	21.36	22.00
5	64QAM	12	13	21.33	21.67	21.29	22.00
5	64QAM	25	0	21.38	21.44	21.45	22.00
5	256QAM	1	0	19.46	19.71	19.61	20.00
5	256QAM	1	12	19.45	19.39	19.52	20.00
5	256QAM	1	24	19.22	19.29	19.20	20.00
5	256QAM	12	0	19.41	19.48	19.49	20.00
5	256QAM	12	7	19.27	19.46	19.34	20.00
5	256QAM	12	13	19.18	19.47	19.48	20.00
5	256QAM	25	0	19.26	19.58	19.50	20.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.89	23.08	22.94	24.00
3	QPSK	1	8	22.72	22.77	22.75	24.00
3	QPSK	1	14	22.44	22.67	22.40	24.00
3	QPSK	8	0	22.65	22.87	22.77	24.00
3	QPSK	8	4	22.75	22.85	22.74	24.00
3	QPSK	8	7	22.86	22.87	22.69	24.00
3	QPSK	15	0	22.70	22.87	22.54	24.00
3	16QAM	1	0	22.93	23.06	22.98	24.00
3	16QAM	1	8	22.72	22.70	22.53	24.00
3	16QAM	1	14	22.61	22.65	22.66	24.00
3	16QAM	8	0	22.40	22.60	22.55	23.00
3	16QAM	8	4	22.35	22.48	22.27	23.00
3	16QAM	8	7	22.38	22.62	22.40	23.00



3	16QAM	15	0	22.36	22.65	22.50	23.00
3	64QAM	1	0	22.87	22.91	22.71	23.00
3	64QAM	1	8	22.40	22.65	22.42	23.00
3	64QAM	1	14	22.39	22.33	22.44	23.00
3	64QAM	8	0	21.37	21.53	21.41	22.00
3	64QAM	8	4	21.51	21.47	21.46	22.00
3	64QAM	8	7	21.38	21.59	21.29	22.00
3	64QAM	15	0	21.36	21.46	21.43	22.00
3	256QAM	1	0	19.55	19.62	19.61	20.00
3	256QAM	1	8	19.47	19.41	19.42	20.00
3	256QAM	1	14	19.15	19.27	19.24	20.00
3	256QAM	8	0	19.31	19.52	19.49	20.00
3	256QAM	8	4	19.36	19.42	19.37	20.00
3	256QAM	8	7	19.15	19.48	19.50	20.00
3	256QAM	15	0	19.27	19.52	19.54	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.95	23.04	23.00	24.00
1.4	QPSK	1	3	22.63	22.68	22.64	24.00
1.4	QPSK	1	5	22.47	22.76	22.46	24.00
1.4	QPSK	3	0	22.61	22.85	22.78	24.00
1.4	QPSK	3	1	22.73	22.83	22.70	24.00
1.4	QPSK	3	3	22.78	22.94	22.67	24.00
1.4	QPSK	6	0	22.61	22.90	22.53	24.00
1.4	16QAM	1	0	22.97	22.99	22.96	24.00
1.4	16QAM	1	3	22.73	22.71	22.63	24.00
1.4	16QAM	1	5	22.68	22.66	22.58	24.00
1.4	16QAM	3	0	22.37	22.59	22.54	23.00
1.4	16QAM	3	1	22.32	22.35	22.25	23.00
1.4	16QAM	3	3	22.38	22.68	22.33	23.00
1.4	16QAM	6	0	22.32	22.61	22.52	23.00
1.4	64QAM	1	0	22.80	22.89	22.76	23.00
1.4	64QAM	1	3	22.40	22.69	22.43	23.00
1.4	64QAM	1	5	22.46	22.44	22.43	23.00
1.4	64QAM	3	0	21.39	21.57	21.48	22.00
1.4	64QAM	3	1	21.48	21.42	21.48	22.00
1.4	64QAM	3	3	21.37	21.66	21.26	22.00
1.4	64QAM	6	0	21.39	21.36	21.44	22.00
1.4	256QAM	1	0	19.51	19.67	19.52	20.00
1.4	256QAM	1	3	19.42	19.47	19.48	20.00
1.4	256QAM	1	5	19.27	19.32	19.25	20.00
1.4	256QAM	3	0	19.29	19.47	19.57	20.00
1.4	256QAM	3	1	19.35	19.42	19.38	20.00
1.4	256QAM	3	3	19.24	19.47	19.40	20.00
1.4	256QAM	6	0	19.31	19.56	19.59	20.00

【LTE Band 2_Ant 8_DSI 6】

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	21.71	21.77	21.62	22.60
20	QPSK	1	49	21.57	21.49	21.62	22.60
20	QPSK	1	99	21.58	21.59	21.54	22.60
20	QPSK	50	0	21.63	21.65	21.61	22.60
20	QPSK	50	24	21.59	21.51	21.54	22.60
20	QPSK	50	50	21.62	21.63	21.53	22.60
20	QPSK	100	0	21.51	21.58	21.54	22.60
20	16QAM	1	0	21.71	21.68	21.68	22.60
20	16QAM	1	49	21.66	21.51	21.67	22.60
20	16QAM	1	99	21.56	21.51	21.51	22.60
20	16QAM	50	0	21.60	21.59	21.64	22.60
20	16QAM	50	24	21.65	21.54	21.53	22.60
20	16QAM	50	50	21.57	21.55	21.70	22.60
20	16QAM	100	0	21.55	21.54	21.53	22.60
20	64QAM	1	0	21.60	21.68	21.61	22.60
20	64QAM	1	49	21.60	21.69	21.60	22.60
20	64QAM	1	99	21.68	21.58	21.63	22.60
20	64QAM	50	0	21.11	21.08	20.92	22.00



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20	64QAM	50	24	21.09	21.11	20.95	22.00
20	64QAM	50	50	20.92	20.93	21.07	22.00
20	64QAM	100	0	20.99	20.95	20.91	22.00
20	256QAM	1	0	18.98	18.98	19.10	20.00
20	256QAM	1	49	19.05	19.12	18.89	20.00
20	256QAM	1	99	19.04	19.00	19.09	20.00
20	256QAM	50	0	19.09	18.99	19.04	20.00
20	256QAM	50	24	18.92	18.89	19.02	20.00
20	256QAM	50	50	19.12	18.95	19.05	20.00
20	256QAM	100	0	19.10	18.95	19.02	20.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.66	21.66	21.47	22.60
15	QPSK	1	37	21.48	21.37	21.58	22.60
15	QPSK	1	74	21.54	21.44	21.45	22.60
15	QPSK	36	0	21.44	21.54	21.47	22.60
15	QPSK	36	20	21.44	21.41	21.56	22.60
15	QPSK	36	39	21.57	21.60	21.59	22.60
15	QPSK	75	0	21.57	21.58	21.48	22.60
15	16QAM	1	0	21.62	21.63	21.64	22.60
15	16QAM	1	37	21.62	21.40	21.57	22.60
15	16QAM	1	74	21.48	21.37	21.47	22.60
15	16QAM	36	0	21.57	21.57	21.52	22.60
15	16QAM	36	20	21.54	21.42	21.51	22.60
15	16QAM	36	39	21.55	21.54	21.62	22.60
15	16QAM	75	0	21.51	21.48	21.47	22.60
15	64QAM	1	0	21.57	21.67	21.52	22.60
15	64QAM	1	37	21.59	21.60	21.59	22.60
15	64QAM	1	74	21.55	21.43	21.51	22.60
15	64QAM	36	0	21.00	20.98	20.80	22.00
15	64QAM	36	20	21.00	21.06	20.90	22.00
15	64QAM	36	39	20.89	20.88	21.00	22.00
15	64QAM	75	0	20.96	20.91	20.78	22.00
15	256QAM	1	0	18.89	18.92	18.98	20.00
15	256QAM	1	37	18.98	19.02	18.83	20.00
15	256QAM	1	74	18.98	18.88	18.96	20.00
15	256QAM	36	0	19.00	18.86	19.01	20.00
15	256QAM	36	20	18.87	18.81	18.91	20.00
15	256QAM	36	39	19.04	18.83	18.97	20.00
15	256QAM	75	0	19.07	18.93	18.93	20.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.66	21.65	21.48	22.60
10	QPSK	1	25	21.46	21.47	21.49	22.60
10	QPSK	1	49	21.44	21.58	21.46	22.60
10	QPSK	25	0	21.53	21.52	21.46	22.60
10	QPSK	25	12	21.48	21.48	21.61	22.60
10	QPSK	25	25	21.53	21.59	21.58	22.60
10	QPSK	50	0	21.60	21.63	21.42	22.60
10	16QAM	1	0	21.57	21.63	21.61	22.60
10	16QAM	1	25	21.54	21.46	21.63	22.60
10	16QAM	1	49	21.50	21.40	21.48	22.60
10	16QAM	25	0	21.45	21.45	21.53	22.60
10	16QAM	25	12	21.58	21.46	21.40	22.60
10	16QAM	25	25	21.47	21.52	21.60	22.60
10	16QAM	50	0	21.54	21.52	21.49	22.60
10	64QAM	1	0	21.52	21.60	21.53	22.60
10	64QAM	1	25	21.46	21.59	21.57	22.60
10	64QAM	1	49	21.63	21.48	21.57	22.60
10	64QAM	25	0	21.07	21.07	20.84	22.00
10	64QAM	25	12	20.96	21.09	20.86	22.00
10	64QAM	25	25	20.91	20.89	21.01	22.00
10	64QAM	50	0	20.90	20.86	20.88	22.00
10	256QAM	1	0	18.95	18.97	18.98	20.00
10	256QAM	1	25	18.95	19.00	18.82	20.00
10	256QAM	1	49	18.96	18.88	19.00	20.00
10	256QAM	25	0	19.06	18.88	18.90	20.00
10	256QAM	25	12	18.86	18.85	18.95	20.00
10	256QAM	25	25	19.10	18.90	18.93	20.00
10	256QAM	50	0	19.08	18.82	18.90	20.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.63	21.65	21.55	22.60
5	QPSK	1	12	21.49	21.39	21.57	22.60



5	QPSK	1	24	21.49	21.57	21.51	22.60
5	QPSK	12	0	21.44	21.53	21.46	22.60
5	QPSK	12	7	21.55	21.46	21.58	22.60
5	QPSK	12	13	21.60	21.58	21.50	22.60
5	QPSK	25	0	21.64	21.68	21.52	22.60
5	16QAM	1	0	21.66	21.62	21.61	22.60
5	16QAM	1	12	21.57	21.49	21.62	22.60
5	16QAM	1	24	21.42	21.41	21.40	22.60
5	16QAM	12	0	21.47	21.51	21.51	22.60
5	16QAM	12	7	21.60	21.41	21.48	22.60
5	16QAM	12	13	21.48	21.47	21.66	22.60
5	16QAM	25	0	21.50	21.49	21.51	22.60
5	64QAM	1	0	21.50	21.59	21.57	22.60
5	64QAM	1	12	21.50	21.65	21.52	22.60
5	64QAM	1	24	21.62	21.47	21.62	22.60
5	64QAM	12	0	20.96	20.99	20.81	22.00
5	64QAM	12	7	20.97	21.07	20.93	22.00
5	64QAM	12	13	20.78	20.91	20.99	22.00
5	64QAM	25	0	20.85	20.80	20.80	22.00
5	256QAM	1	0	18.90	18.93	19.02	20.00
5	256QAM	1	12	18.93	19.00	18.84	20.00
5	256QAM	1	24	18.92	18.88	18.98	20.00
5	256QAM	12	0	19.04	18.94	18.98	20.00
5	256QAM	12	7	18.90	18.78	18.94	20.00
5	256QAM	12	13	19.10	18.81	18.97	20.00
5	256QAM	25	0	19.01	18.90	18.95	20.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.68	21.74	21.55	22.60
3	QPSK	1	8	21.54	21.48	21.61	22.60
3	QPSK	1	14	21.47	21.52	21.48	22.60
3	QPSK	8	0	21.49	21.57	21.47	22.60
3	QPSK	8	4	21.47	21.38	21.55	22.60
3	QPSK	8	7	21.59	21.61	21.57	22.60
3	QPSK	15	0	21.61	21.58	21.42	22.60
3	16QAM	1	0	21.57	21.64	21.58	22.60
3	16QAM	1	8	21.55	21.37	21.60	22.60
3	16QAM	1	14	21.52	21.41	21.38	22.60
3	16QAM	8	0	21.51	21.53	21.61	22.60
3	16QAM	8	4	21.62	21.40	21.47	22.60
3	16QAM	8	7	21.52	21.43	21.57	22.60
3	16QAM	15	0	21.54	21.43	21.51	22.60
3	64QAM	1	0	21.55	21.63	21.55	22.60
3	64QAM	1	8	21.48	21.56	21.56	22.60
3	64QAM	1	14	21.58	21.55	21.53	22.60
3	64QAM	8	0	21.06	20.93	20.91	22.00
3	64QAM	8	4	20.97	20.99	20.85	22.00
3	64QAM	8	7	20.82	20.81	20.96	22.00
3	64QAM	15	0	20.93	20.90	20.84	22.00
3	256QAM	1	0	18.96	18.91	18.98	20.00
3	256QAM	1	8	19.04	18.99	18.80	20.00
3	256QAM	1	14	18.99	18.89	18.94	20.00
3	256QAM	8	0	18.96	18.84	19.01	20.00
3	256QAM	8	4	18.83	18.77	18.88	20.00
3	256QAM	8	7	19.07	18.83	18.95	20.00
3	256QAM	15	0	19.04	18.91	18.97	20.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.65	21.67	21.52	22.60
1.4	QPSK	1	3	21.51	21.42	21.60	22.60
1.4	QPSK	1	5	21.54	21.52	21.43	22.60
1.4	QPSK	3	0	21.45	21.61	21.50	22.60
1.4	QPSK	3	1	21.56	21.40	21.59	22.60
1.4	QPSK	3	3	21.51	21.51	21.54	22.60
1.4	QPSK	6	0	20.70	20.57	20.49	21.60
1.4	16QAM	1	0	20.64	20.67	20.58	21.60
1.4	16QAM	1	3	20.53	20.36	20.58	21.60
1.4	16QAM	1	5	20.45	20.47	20.42	21.60
1.4	16QAM	3	0	20.58	20.48	20.59	21.60
1.4	16QAM	3	1	20.57	20.42	20.42	21.60
1.4	16QAM	3	3	20.50	20.47	20.59	21.60
1.4	16QAM	6	0	19.46	19.47	19.46	20.60
1.4	64QAM	1	0	19.54	19.57	19.57	20.60
1.4	64QAM	1	3	19.46	19.65	19.54	20.60



1.4	64QAM	1	5	19.61	19.43	19.49	20.60
1.4	64QAM	3	0	21.04	21.05	20.88	22.00
1.4	64QAM	3	1	20.99	21.09	20.89	22.00
1.4	64QAM	3	3	20.88	20.89	20.98	22.00
1.4	64QAM	6	0	20.95	20.87	20.87	22.00
1.4	256QAM	1	0	18.92	18.92	19.04	20.00
1.4	256QAM	1	3	19.00	19.10	18.79	20.00
1.4	256QAM	1	5	19.00	18.90	18.98	20.00
1.4	256QAM	3	0	19.03	18.94	19.02	20.00
1.4	256QAM	3	1	18.89	18.84	19.00	20.00
1.4	256QAM	3	3	19.04	18.87	18.92	20.00
1.4	256QAM	6	0	19.01	18.91	18.92	20.00

【LTE Band 2_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	18.15	18.21	18.13	19.00
20	QPSK	1	49	18.03	17.99	18.09	19.00
20	QPSK	1	99	17.90	17.93	17.92	19.00
20	QPSK	50	0	18.10	18.15	18.08	19.00
20	QPSK	50	24	18.08	18.03	17.98	19.00
20	QPSK	50	50	17.99	18.07	18.02	19.00
20	QPSK	100	0	17.90	18.00	18.05	19.00
20	16QAM	1	0	17.93	18.04	17.98	19.00
20	16QAM	1	49	18.12	18.00	17.98	19.00
20	16QAM	1	99	17.90	18.05	18.06	19.00
20	16QAM	50	0	18.03	17.92	17.88	19.00
20	16QAM	50	24	18.09	17.96	18.05	19.00
20	16QAM	50	50	17.99	17.92	17.96	19.00
20	16QAM	100	0	18.11	17.92	18.03	19.00
20	64QAM	1	0	18.04	17.99	18.09	19.00
20	64QAM	1	49	18.08	18.05	18.07	19.00
20	64QAM	1	99	17.89	17.95	18.00	19.00
20	64QAM	50	0	17.91	17.99	17.99	19.00
20	64QAM	50	24	18.02	17.99	17.99	19.00
20	64QAM	50	50	18.07	17.88	17.96	19.00
20	64QAM	100	0	17.99	17.91	18.01	19.00
20	256QAM	1	0	18.08	18.12	17.93	19.00
20	256QAM	1	49	18.00	18.04	17.92	19.00
20	256QAM	1	99	18.02	17.95	18.03	19.00
20	256QAM	50	0	17.91	17.96	18.04	19.00
20	256QAM	50	24	17.97	17.89	17.90	19.00
20	256QAM	50	50	17.96	18.05	17.97	19.00
20	256QAM	100	0	18.06	18.01	17.90	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.07	18.15	18.01	19.00
15	QPSK	1	37	17.96	17.86	17.97	19.00
15	QPSK	1	74	17.78	17.85	17.77	19.00
15	QPSK	36	0	18.01	18.02	17.92	19.00
15	QPSK	36	20	18.03	17.99	17.85	19.00
15	QPSK	36	39	17.87	17.94	18.02	19.00
15	QPSK	75	0	17.80	17.95	18.01	19.00
15	16QAM	1	0	17.86	17.98	17.84	19.00
15	16QAM	1	37	18.00	17.93	17.86	19.00
15	16QAM	1	74	17.86	18.00	17.93	19.00
15	16QAM	36	0	17.97	17.79	17.86	19.00
15	16QAM	36	20	17.94	17.91	17.98	19.00
15	16QAM	36	39	17.85	17.87	17.87	19.00
15	16QAM	75	0	18.01	17.83	17.96	19.00
15	64QAM	1	0	17.93	17.87	18.06	19.00
15	64QAM	1	37	18.00	18.01	17.95	19.00
15	64QAM	1	74	17.75	17.87	17.95	19.00
15	64QAM	36	0	17.85	17.96	17.85	19.00
15	64QAM	36	20	17.90	17.86	17.95	19.00
15	64QAM	36	39	17.93	17.79	17.89	19.00
15	64QAM	75	0	17.94	17.84	17.96	19.00



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15	256QAM	1	0	18.05	18.02	17.83	19.00
15	256QAM	1	37	17.88	17.97	17.89	19.00
15	256QAM	1	74	17.94	17.82	18.02	19.00
15	256QAM	36	0	17.79	17.82	17.98	19.00
15	256QAM	36	20	17.87	17.87	17.82	19.00
15	256QAM	36	39	17.82	17.93	17.85	19.00
15	256QAM	75	0	18.01	17.99	17.85	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	18.04	18.13	18.06	19.00
10	QPSK	1	25	17.95	17.89	17.98	19.00
10	QPSK	1	49	17.76	17.90	17.81	19.00
10	QPSK	25	0	17.98	18.10	17.91	19.00
10	QPSK	25	12	18.02	18.00	17.93	19.00
10	QPSK	25	25	17.97	17.93	18.10	19.00
10	QPSK	50	0	17.85	17.94	18.00	19.00
10	16QAM	1	0	17.88	18.00	17.97	19.00
10	16QAM	1	25	18.01	17.98	17.88	19.00
10	16QAM	1	49	17.83	18.00	18.03	19.00
10	16QAM	25	0	17.92	17.89	17.76	19.00
10	16QAM	25	12	18.03	17.90	17.91	19.00
10	16QAM	25	25	17.86	17.83	17.91	19.00
10	16QAM	50	0	17.98	17.91	18.00	19.00
10	64QAM	1	0	17.91	17.94	17.94	19.00
10	64QAM	1	25	18.03	17.98	17.96	19.00
10	64QAM	1	49	17.79	17.92	17.86	19.00
10	64QAM	25	0	17.84	17.94	17.86	19.00
10	64QAM	25	12	17.91	17.86	17.98	19.00
10	64QAM	25	25	17.98	17.77	17.89	19.00
10	64QAM	50	0	17.86	17.88	17.96	19.00
10	256QAM	1	0	17.98	18.01	17.84	19.00
10	256QAM	1	25	17.92	17.91	17.85	19.00
10	256QAM	1	49	17.92	17.81	17.99	19.00
10	256QAM	25	0	17.81	17.85	17.99	19.00
10	256QAM	25	12	17.85	17.80	17.82	19.00
10	256QAM	25	25	17.84	17.96	17.83	19.00
10	256QAM	50	0	17.98	18.00	17.76	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	18.12	18.14	18.03	19.00
5	QPSK	1	12	17.89	17.85	18.04	19.00
5	QPSK	1	24	17.88	17.79	17.89	19.00
5	QPSK	12	0	17.94	18.03	17.90	19.00
5	QPSK	12	7	18.06	17.96	17.84	19.00
5	QPSK	12	13	17.96	17.94	17.97	19.00
5	QPSK	25	0	17.77	17.95	17.93	19.00
5	16QAM	1	0	17.81	17.95	17.93	19.00
5	16QAM	1	12	17.99	17.92	17.86	19.00
5	16QAM	1	24	17.83	17.92	18.05	19.00
5	16QAM	12	0	17.92	17.89	17.85	19.00
5	16QAM	12	7	17.99	17.86	17.94	19.00
5	16QAM	12	13	17.91	17.90	17.83	19.00
5	16QAM	25	0	18.07	17.78	18.02	19.00
5	64QAM	1	0	18.01	17.93	17.99	19.00
5	64QAM	1	12	18.00	17.94	18.01	19.00
5	64QAM	1	24	17.76	17.84	17.90	19.00
5	64QAM	12	0	17.77	17.93	17.90	19.00
5	64QAM	12	7	17.98	17.87	17.91	19.00
5	64QAM	12	13	17.95	17.82	17.94	19.00
5	64QAM	25	0	17.88	17.77	17.99	19.00
5	256QAM	1	0	17.98	18.03	17.85	19.00
5	256QAM	1	12	17.85	17.90	17.84	19.00
5	256QAM	1	24	17.92	17.84	17.92	19.00
5	256QAM	12	0	17.78	17.94	18.01	19.00
5	256QAM	12	7	17.95	17.76	17.88	19.00
5	256QAM	12	13	17.88	17.97	17.96	19.00
5	256QAM	25	0	17.93	17.94	17.87	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	18.08	18.20	18.03	19.00
3	QPSK	1	8	17.96	17.84	17.99	19.00
3	QPSK	1	14	17.86	17.90	17.91	19.00
3	QPSK	8	0	17.93	18.05	17.85	19.00
3	QPSK	8	4	17.96	17.97	17.93	19.00



3	QPSK	8	7	17.91	18.02	18.08	19.00
3	QPSK	15	0	17.77	17.88	17.96	19.00
3	16QAM	1	0	17.83	17.94	17.88	19.00
3	16QAM	1	8	18.08	17.89	17.93	19.00
3	16QAM	1	14	17.81	18.00	17.98	19.00
3	16QAM	8	0	17.88	17.82	17.75	19.00
3	16QAM	8	4	17.97	17.92	17.92	19.00
3	16QAM	8	7	17.89	17.84	17.87	19.00
3	16QAM	15	0	18.01	17.82	17.89	19.00
3	64QAM	1	0	17.96	17.89	18.05	19.00
3	64QAM	1	8	18.01	17.99	18.00	19.00
3	64QAM	1	14	17.85	17.92	17.99	19.00
3	64QAM	8	0	17.87	17.93	17.96	19.00
3	64QAM	8	4	17.89	17.98	17.85	19.00
3	64QAM	8	7	18.04	17.85	17.86	19.00
3	64QAM	15	0	17.95	17.90	17.88	19.00
3	256QAM	1	0	17.94	17.99	17.88	19.00
3	256QAM	1	8	17.87	17.91	17.91	19.00
3	256QAM	1	14	17.95	17.86	17.89	19.00
3	256QAM	8	0	17.89	17.84	18.00	19.00
3	256QAM	8	4	17.91	17.76	17.79	19.00
3	256QAM	8	7	17.83	18.00	17.93	19.00
3	256QAM	15	0	18.03	18.00	17.84	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.03	18.06	18.10	19.00
1.4	QPSK	1	3	17.95	17.93	18.07	19.00
1.4	QPSK	1	5	17.84	17.92	17.82	19.00
1.4	QPSK	3	0	17.93	18.13	17.89	19.00
1.4	QPSK	3	1	17.94	18.00	17.89	19.00
1.4	QPSK	3	3	17.86	17.92	18.10	19.00
1.4	QPSK	6	0	17.79	17.91	17.97	19.00
1.4	16QAM	1	0	17.80	17.96	17.97	19.00
1.4	16QAM	1	3	18.03	17.95	17.94	19.00
1.4	16QAM	1	5	17.77	17.98	17.97	19.00
1.4	16QAM	3	0	18.01	17.81	17.79	19.00
1.4	16QAM	3	1	17.99	17.82	17.91	19.00
1.4	16QAM	3	3	17.93	17.91	17.95	19.00
1.4	16QAM	6	0	18.03	17.77	17.97	19.00
1.4	64QAM	1	0	17.93	17.94	17.98	19.00
1.4	64QAM	1	3	17.93	17.99	17.93	19.00
1.4	64QAM	1	5	17.80	17.86	17.87	19.00
1.4	64QAM	3	0	17.77	17.95	17.88	19.00
1.4	64QAM	3	1	17.99	17.94	17.95	19.00
1.4	64QAM	3	3	17.94	17.77	17.92	19.00
1.4	64QAM	6	0	17.89	17.83	17.89	19.00
1.4	256QAM	1	0	17.95	18.07	17.90	19.00
1.4	256QAM	1	3	17.98	17.90	17.84	19.00
1.4	256QAM	1	5	17.90	17.88	17.94	19.00
1.4	256QAM	3	0	17.87	17.91	18.03	19.00
1.4	256QAM	3	1	17.83	17.76	17.89	19.00
1.4	256QAM	3	3	17.89	17.90	17.86	19.00
1.4	256QAM	6	0	17.94	17.87	17.86	19.00

【LTE Band 4_Ant 4_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	23.08	23.11	23.05	24.00
20	QPSK	1	49	22.94	23.06	22.93	24.00
20	QPSK	1	99	22.89	23.01	22.83	24.00
20	QPSK	50	0	22.96	23.08	22.92	24.00
20	QPSK	50	24	23.00	23.05	22.85	24.00
20	QPSK	50	50	22.96	23.02	22.84	24.00
20	QPSK	100	0	22.80	22.95	22.78	24.00
20	16QAM	1	0	22.86	22.98	22.79	24.00
20	16QAM	1	49	22.77	22.93	22.77	24.00
20	16QAM	1	99	22.87	22.96	22.89	24.00



20	16QAM	50	0	22.86	22.94	22.83	24.00
20	16QAM	50	24	22.80	22.91	22.77	24.00
20	16QAM	50	50	22.82	22.87	22.74	24.00
20	16QAM	100	0	22.82	22.89	22.69	24.00
20	64QAM	1	0	22.78	22.85	22.71	24.00
20	64QAM	1	49	22.77	22.84	22.64	24.00
20	64QAM	1	99	22.73	22.88	22.78	24.00
20	64QAM	50	0	21.89	22.06	21.89	23.00
20	64QAM	50	24	21.95	22.01	21.88	23.00
20	64QAM	50	50	21.83	21.95	21.87	23.00
20	64QAM	100	0	21.86	21.98	21.83	23.00
20	256QAM	1	0	20.05	20.09	19.99	21.00
20	256QAM	1	49	19.99	20.05	19.98	21.00
20	256QAM	1	99	19.98	20.03	19.89	21.00
20	256QAM	50	0	19.93	20.01	19.89	21.00
20	256QAM	50	24	19.88	19.98	19.80	21.00
20	256QAM	50	50	19.85	19.95	19.84	21.00
20	256QAM	100	0	19.81	19.93	19.77	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.95	23.05	22.94	24.00
15	QPSK	1	37	22.92	22.93	22.82	24.00
15	QPSK	1	74	22.87	22.87	22.71	24.00
15	QPSK	36	0	22.82	23.03	22.88	24.00
15	QPSK	36	20	22.89	23.04	22.84	24.00
15	QPSK	36	39	22.83	22.97	22.78	24.00
15	QPSK	75	0	22.74	22.83	22.69	24.00
15	16QAM	1	0	22.84	22.93	22.74	24.00
15	16QAM	1	37	22.66	22.84	22.70	24.00
15	16QAM	1	74	22.79	22.87	22.75	24.00
15	16QAM	36	0	22.75	22.84	22.76	24.00
15	16QAM	36	20	22.72	22.78	22.75	24.00
15	16QAM	36	39	22.79	22.75	22.71	24.00
15	16QAM	75	0	22.71	22.83	22.65	24.00
15	64QAM	1	0	22.65	22.77	22.62	24.00
15	64QAM	1	37	22.73	22.71	22.53	24.00
15	64QAM	1	74	22.65	22.85	22.64	24.00
15	64QAM	36	0	21.85	22.05	21.87	23.00
15	64QAM	36	20	21.88	21.94	21.74	23.00
15	64QAM	36	39	21.74	21.83	21.81	23.00
15	64QAM	75	0	21.82	21.92	21.78	23.00
15	256QAM	1	0	19.92	20.06	19.87	21.00
15	256QAM	1	37	19.92	19.98	19.89	21.00
15	256QAM	1	74	19.97	20.01	19.87	21.00
15	256QAM	36	0	19.86	19.90	19.85	21.00
15	256QAM	36	20	19.78	19.87	19.71	21.00
15	256QAM	36	39	19.78	19.90	19.73	21.00
15	256QAM	75	0	19.79	19.82	19.70	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.02	23.06	23.03	24.00
10	QPSK	1	25	22.92	23.03	22.90	24.00
10	QPSK	1	49	22.80	22.88	22.79	24.00
10	QPSK	25	0	22.84	22.94	22.82	24.00
10	QPSK	25	12	22.91	23.04	22.74	24.00
10	QPSK	25	25	22.93	22.91	22.79	24.00
10	QPSK	50	0	22.76	22.81	22.68	24.00
10	16QAM	1	0	22.77	22.92	22.66	24.00
10	16QAM	1	25	22.74	22.91	22.63	24.00
10	16QAM	1	49	22.74	22.95	22.82	24.00
10	16QAM	25	0	22.84	22.93	22.70	24.00
10	16QAM	25	12	22.67	22.85	22.63	24.00
10	16QAM	25	25	22.79	22.74	22.69	24.00
10	16QAM	50	0	22.76	22.86	22.59	24.00
10	64QAM	1	0	22.63	22.77	22.62	24.00
10	64QAM	1	25	22.70	22.82	22.62	24.00
10	64QAM	1	49	22.72	22.74	22.72	24.00
10	64QAM	25	0	21.87	21.98	21.84	23.00
10	64QAM	25	12	21.87	21.93	21.74	23.00
10	64QAM	25	25	21.78	21.88	21.83	23.00
10	64QAM	50	0	21.76	21.86	21.74	23.00
10	256QAM	1	0	20.04	19.96	19.92	21.00
10	256QAM	1	25	19.84	20.01	19.94	21.00
10	256QAM	1	49	19.95	19.94	19.84	21.00



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10	256QAM	25	0	19.81	19.88	19.74	21.00
10	256QAM	25	12	19.76	19.95	19.69	21.00
10	256QAM	25	25	19.73	19.89	19.74	21.00
10	256QAM	50	0	19.79	19.83	19.67	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.05	23.09	22.99	24.00
5	QPSK	1	12	22.84	22.93	22.89	24.00
5	QPSK	1	24	22.81	22.87	22.82	24.00
5	QPSK	12	0	22.86	22.96	22.88	24.00
5	QPSK	12	7	22.85	23.03	22.74	24.00
5	QPSK	12	13	22.83	23.00	22.75	24.00
5	QPSK	25	0	22.66	22.88	22.73	24.00
5	16QAM	1	0	22.82	22.85	22.66	24.00
5	16QAM	1	12	22.67	22.84	22.68	24.00
5	16QAM	1	24	22.85	22.88	22.76	24.00
5	16QAM	12	0	22.74	22.87	22.81	24.00
5	16QAM	12	7	22.73	22.83	22.74	24.00
5	16QAM	12	13	22.74	22.80	22.64	24.00
5	16QAM	25	0	22.71	22.79	22.57	24.00
5	64QAM	1	0	22.68	22.75	22.62	24.00
5	64QAM	1	12	22.65	22.82	22.51	24.00
5	64QAM	1	24	22.72	22.79	22.69	24.00
5	64QAM	12	0	21.80	21.99	21.86	23.00
5	64QAM	12	7	21.81	21.92	21.80	23.00
5	64QAM	12	13	21.71	21.87	21.76	23.00
5	64QAM	25	0	21.78	21.89	21.74	23.00
5	256QAM	1	0	19.92	19.96	19.97	21.00
5	256QAM	1	12	19.91	19.99	19.83	21.00
5	256QAM	1	24	19.84	19.92	19.76	21.00
5	256QAM	12	0	19.92	19.91	19.76	21.00
5	256QAM	12	7	19.84	19.83	19.70	21.00
5	256QAM	12	13	19.80	19.91	19.80	21.00
5	256QAM	25	0	19.71	19.78	19.64	21.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.05	23.08	23.01	24.00
3	QPSK	1	8	22.82	23.00	22.80	24.00
3	QPSK	1	14	22.80	22.94	22.75	24.00
3	QPSK	8	0	22.93	23.04	22.91	24.00
3	QPSK	8	4	22.86	22.93	22.78	24.00
3	QPSK	8	7	22.88	22.95	22.70	24.00
3	QPSK	15	0	22.76	22.94	22.75	24.00
3	16QAM	1	0	22.79	22.86	22.76	24.00
3	16QAM	1	8	22.69	22.85	22.74	24.00
3	16QAM	1	14	22.83	22.92	22.77	24.00
3	16QAM	8	0	22.79	22.83	22.74	24.00
3	16QAM	8	4	22.66	22.83	22.63	24.00
3	16QAM	8	7	22.71	22.85	22.69	24.00
3	16QAM	15	0	22.72	22.83	22.66	24.00
3	64QAM	1	0	22.72	22.82	22.60	24.00
3	64QAM	1	8	22.68	22.78	22.60	24.00
3	64QAM	1	14	22.59	22.75	22.68	24.00
3	64QAM	8	0	21.82	21.92	21.82	23.00
3	64QAM	8	4	21.87	21.88	21.82	23.00
3	64QAM	8	7	21.70	21.90	21.79	23.00
3	64QAM	15	0	21.77	21.84	21.73	23.00
3	256QAM	1	0	20.00	20.01	19.95	21.00
3	256QAM	1	8	19.89	19.91	19.91	21.00
3	256QAM	1	14	19.95	19.94	19.77	21.00
3	256QAM	8	0	19.90	19.90	19.81	21.00
3	256QAM	8	4	19.74	19.91	19.77	21.00
3	256QAM	8	7	19.82	19.80	19.69	21.00
3	256QAM	15	0	19.74	19.81	19.64	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.06	23.02	23.00	24.00
1.4	QPSK	1	3	22.86	23.01	22.81	24.00
1.4	QPSK	1	5	22.85	22.90	22.69	24.00
1.4	QPSK	3	0	22.89	23.07	22.77	24.00
1.4	QPSK	3	1	22.89	22.93	22.73	24.00
1.4	QPSK	3	3	22.88	22.95	22.71	24.00
1.4	QPSK	6	0	22.72	22.93	22.75	24.00
1.4	16QAM	1	0	22.81	22.90	22.76	24.00



1.4	16QAM	1	3	22.64	22.88	22.68	24.00
1.4	16QAM	1	5	22.83	22.85	22.82	24.00
1.4	16QAM	3	0	22.81	22.84	22.78	24.00
1.4	16QAM	3	1	22.68	22.79	22.65	24.00
1.4	16QAM	3	3	22.67	22.72	22.72	24.00
1.4	16QAM	6	0	22.74	22.83	22.60	24.00
1.4	64QAM	1	0	22.67	22.80	22.61	24.00
1.4	64QAM	1	3	22.63	22.72	22.60	24.00
1.4	64QAM	1	5	22.68	22.77	22.75	24.00
1.4	64QAM	3	0	21.84	21.93	21.77	23.00
1.4	64QAM	3	1	21.92	21.91	21.79	23.00
1.4	64QAM	3	3	21.77	21.93	21.83	23.00
1.4	64QAM	6	0	21.80	21.86	21.80	23.00
1.4	256QAM	1	0	19.94	20.02	19.91	21.00
1.4	256QAM	1	3	19.89	19.91	19.89	21.00
1.4	256QAM	1	5	19.86	19.91	19.81	21.00
1.4	256QAM	3	0	19.84	19.97	19.80	21.00
1.4	256QAM	3	1	19.83	19.92	19.73	21.00
1.4	256QAM	3	3	19.77	19.84	19.69	21.00
1.4	256QAM	6	0	19.67	19.91	19.66	21.00

【LTE Band 4_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.96	17.98	17.91	18.70
20	QPSK	1	49	17.81	17.83	17.71	18.70
20	QPSK	1	99	17.75	17.87	17.67	18.70
20	QPSK	50	0	17.90	17.95	17.76	18.70
20	QPSK	50	24	17.77	17.82	17.68	18.70
20	QPSK	50	50	17.60	17.77	17.50	18.70
20	QPSK	100	0	17.79	17.97	17.73	18.70
20	16QAM	1	0	17.69	17.92	17.67	18.70
20	16QAM	1	49	17.90	17.89	17.84	18.70
20	16QAM	1	99	17.79	17.85	17.65	18.70
20	16QAM	50	0	17.78	17.93	17.79	18.70
20	16QAM	50	24	17.83	17.88	17.77	18.70
20	16QAM	50	50	17.82	17.95	17.76	18.70
20	16QAM	100	0	17.74	17.96	17.84	18.70
20	64QAM	1	0	17.87	17.76	17.64	18.70
20	64QAM	1	49	17.80	17.93	17.65	18.70
20	64QAM	1	99	17.79	17.87	17.78	18.70
20	64QAM	50	0	17.76	17.92	17.75	18.70
20	64QAM	50	24	17.73	17.84	17.61	18.70
20	64QAM	50	50	17.72	17.77	17.71	18.70
20	64QAM	100	0	17.64	17.72	17.54	18.70
20	256QAM	1	0	17.73	17.89	17.56	18.70
20	256QAM	1	49	17.75	17.90	17.57	18.70
20	256QAM	1	99	17.66	17.66	17.49	18.70
20	256QAM	50	0	17.68	17.70	17.51	18.70
20	256QAM	50	24	17.66	17.83	17.71	18.70
20	256QAM	50	50	17.66	17.66	17.63	18.70
20	256QAM	100	0	17.67	17.80	17.47	18.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.85	17.85	17.86	18.70
15	QPSK	1	37	17.76	17.75	17.61	18.70
15	QPSK	1	74	17.67	17.85	17.57	18.70
15	QPSK	36	0	17.86	17.81	17.65	18.70
15	QPSK	36	20	17.66	17.68	17.66	18.70
15	QPSK	36	39	17.46	17.67	17.39	18.70
15	QPSK	75	0	17.70	17.89	17.59	18.70
15	16QAM	1	0	17.60	17.82	17.56	18.70
15	16QAM	1	37	17.83	17.88	17.80	18.70
15	16QAM	1	74	17.77	17.72	17.52	18.70
15	16QAM	36	0	17.76	17.91	17.77	18.70
15	16QAM	36	20	17.72	17.77	17.68	18.70
15	16QAM	36	39	17.81	17.93	17.74	18.70



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15	16QAM	75	0	17.60	17.88	17.78	18.70
15	64QAM	1	0	17.82	17.64	17.52	18.70
15	64QAM	1	37	17.72	17.82	17.54	18.70
15	64QAM	1	74	17.71	17.74	17.72	18.70
15	64QAM	36	0	17.73	17.80	17.67	18.70
15	64QAM	36	20	17.68	17.74	17.54	18.70
15	64QAM	36	39	17.58	17.75	17.64	18.70
15	64QAM	75	0	17.60	17.67	17.51	18.70
15	256QAM	1	0	17.60	17.81	17.51	18.70
15	256QAM	1	37	17.63	17.84	17.53	18.70
15	256QAM	1	74	17.61	17.61	17.35	18.70
15	256QAM	36	0	17.58	17.58	17.44	18.70
15	256QAM	36	20	17.62	17.79	17.57	18.70
15	256QAM	36	39	17.59	17.62	17.61	18.70
15	256QAM	75	0	17.52	17.69	17.44	18.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	17.89	17.95	17.81	18.70
10	QPSK	1	25	17.77	17.72	17.63	18.70
10	QPSK	1	49	17.73	17.81	17.54	18.70
10	QPSK	25	0	17.81	17.81	17.75	18.70
10	QPSK	25	12	17.74	17.80	17.61	18.70
10	QPSK	25	25	17.56	17.71	17.39	18.70
10	QPSK	50	0	17.67	17.93	17.71	18.70
10	16QAM	1	0	17.67	17.85	17.61	18.70
10	16QAM	1	25	17.84	17.81	17.75	18.70
10	16QAM	1	49	17.66	17.79	17.54	18.70
10	16QAM	25	0	17.76	17.91	17.66	18.70
10	16QAM	25	12	17.78	17.87	17.70	18.70
10	16QAM	25	25	17.72	17.88	17.74	18.70
10	16QAM	50	0	17.60	17.84	17.73	18.70
10	64QAM	1	0	17.82	17.70	17.50	18.70
10	64QAM	1	25	17.69	17.81	17.57	18.70
10	64QAM	1	49	17.73	17.83	17.73	18.70
10	64QAM	25	0	17.67	17.87	17.73	18.70
10	64QAM	25	12	17.64	17.76	17.50	18.70
10	64QAM	25	25	17.60	17.73	17.68	18.70
10	64QAM	50	0	17.63	17.59	17.50	18.70
10	256QAM	1	0	17.60	17.78	17.54	18.70
10	256QAM	1	25	17.69	17.77	17.53	18.70
10	256QAM	1	49	17.59	17.55	17.36	18.70
10	256QAM	25	0	17.67	17.62	17.48	18.70
10	256QAM	25	12	17.61	17.78	17.64	18.70
10	256QAM	25	25	17.54	17.64	17.57	18.70
10	256QAM	50	0	17.57	17.70	17.44	18.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	17.88	17.91	17.86	18.70
5	QPSK	1	12	17.77	17.75	17.57	18.70
5	QPSK	1	24	17.72	17.75	17.63	18.70
5	QPSK	12	0	17.79	17.80	17.69	18.70
5	QPSK	12	7	17.65	17.76	17.66	18.70
5	QPSK	12	13	17.52	17.64	17.47	18.70
5	QPSK	25	0	17.72	17.84	17.66	18.70
5	16QAM	1	0	17.63	17.88	17.54	18.70
5	16QAM	1	12	17.82	17.77	17.79	18.70
5	16QAM	1	24	17.69	17.84	17.59	18.70
5	16QAM	12	0	17.76	17.83	17.72	18.70
5	16QAM	12	7	17.80	17.80	17.75	18.70
5	16QAM	12	13	17.78	17.87	17.64	18.70
5	16QAM	25	0	17.66	17.94	17.75	18.70
5	64QAM	1	0	17.79	17.66	17.61	18.70
5	64QAM	1	12	17.71	17.89	17.58	18.70
5	64QAM	1	24	17.71	17.83	17.69	18.70
5	64QAM	12	0	17.61	17.86	17.62	18.70
5	64QAM	12	7	17.60	17.70	17.51	18.70
5	64QAM	12	13	17.68	17.69	17.66	18.70
5	64QAM	25	0	17.51	17.64	17.48	18.70
5	256QAM	1	0	17.60	17.77	17.43	18.70
5	256QAM	1	12	17.62	17.76	17.50	18.70
5	256QAM	1	24	17.53	17.52	17.38	18.70
5	256QAM	12	0	17.60	17.67	17.44	18.70
5	256QAM	12	7	17.56	17.78	17.63	18.70
5	256QAM	12	13	17.56	17.54	17.48	18.70



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5	256QAM	25	0	17.58	17.79	17.43	18.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.95	17.88	17.86	18.70
3	QPSK	1	8	17.78	17.73	17.68	18.70
3	QPSK	1	14	17.63	17.83	17.53	18.70
3	QPSK	8	0	17.77	17.84	17.63	18.70
3	QPSK	8	4	17.73	17.80	17.58	18.70
3	QPSK	8	7	17.54	17.73	17.40	18.70
3	QPSK	15	0	17.66	17.83	17.69	18.70
3	16QAM	1	0	17.68	17.87	17.53	18.70
3	16QAM	1	8	17.81	17.76	17.76	18.70
3	16QAM	1	14	17.77	17.71	17.63	18.70
3	16QAM	8	0	17.73	17.87	17.65	18.70
3	16QAM	8	4	17.73	17.80	17.71	18.70
3	16QAM	8	7	17.71	17.93	17.71	18.70
3	16QAM	15	0	17.67	17.86	17.74	18.70
3	64QAM	1	0	17.83	17.61	17.56	18.70
3	64QAM	1	8	17.75	17.80	17.62	18.70
3	64QAM	1	14	17.75	17.77	17.69	18.70
3	64QAM	8	0	17.66	17.79	17.65	18.70
3	64QAM	8	4	17.64	17.72	17.48	18.70
3	64QAM	8	7	17.59	17.71	17.65	18.70
3	64QAM	15	0	17.50	17.61	17.50	18.70
3	256QAM	1	0	17.68	17.78	17.43	18.70
3	256QAM	1	8	17.72	17.76	17.53	18.70
3	256QAM	1	14	17.64	17.52	17.39	18.70
3	256QAM	8	0	17.64	17.63	17.43	18.70
3	256QAM	8	4	17.63	17.78	17.66	18.70
3	256QAM	8	7	17.57	17.57	17.49	18.70
3	256QAM	15	0	17.59	17.72	17.35	18.70
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	17.92	17.90	17.85	18.70
1.4	QPSK	1	3	17.71	17.80	17.63	18.70
1.4	QPSK	1	5	17.69	17.77	17.54	18.70
1.4	QPSK	3	0	17.86	17.93	17.75	18.70
1.4	QPSK	3	1	17.73	17.70	17.54	18.70
1.4	QPSK	3	3	17.58	17.63	17.46	18.70
1.4	QPSK	6	0	17.74	17.94	17.58	18.70
1.4	16QAM	1	0	17.54	17.89	17.62	18.70
1.4	16QAM	1	3	17.80	17.76	17.75	18.70
1.4	16QAM	1	5	17.71	17.83	17.56	18.70
1.4	16QAM	3	0	17.66	17.86	17.65	18.70
1.4	16QAM	3	1	17.72	17.76	17.67	18.70
1.4	16QAM	3	3	17.79	17.80	17.62	18.70
1.4	16QAM	6	0	17.60	17.85	17.81	18.70
1.4	64QAM	1	0	17.84	17.64	17.56	18.70
1.4	64QAM	1	3	17.74	17.85	17.53	18.70
1.4	64QAM	1	5	17.73	17.72	17.66	18.70
1.4	64QAM	3	0	17.67	17.83	17.67	18.70
1.4	64QAM	3	1	17.65	17.70	17.54	18.70
1.4	64QAM	3	3	17.65	17.74	17.62	18.70
1.4	64QAM	6	0	17.59	17.58	17.50	18.70
1.4	256QAM	1	0	17.69	17.84	17.42	18.70
1.4	256QAM	1	3	17.69	17.89	17.42	18.70
1.4	256QAM	1	5	17.64	17.57	17.44	18.70
1.4	256QAM	3	0	17.66	17.62	17.49	18.70
1.4	256QAM	3	1	17.52	17.81	17.57	18.70
1.4	256QAM	3	3	17.59	17.60	17.55	18.70
1.4	256QAM	6	0	17.55	17.70	17.44	18.70



【LTE Band 4_Ant 4_DSI 3】

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	19.27	19.34	19.28	20.50
20	QPSK	1	49	19.04	19.09	18.90	20.50
20	QPSK	1	99	19.31	19.03	19.00	20.50
20	QPSK	50	0	19.34	19.25	19.03	20.50
20	QPSK	50	24	19.25	19.03	19.04	20.50
20	QPSK	50	50	19.16	19.19	19.14	20.50
20	QPSK	100	0	19.03	19.15	18.96	20.50
20	16QAM	1	0	19.23	19.16	18.93	20.50
20	16QAM	1	49	19.12	19.19	19.08	20.50
20	16QAM	1	99	19.11	19.18	18.78	20.50
20	16QAM	50	0	19.14	19.19	19.03	20.50
20	16QAM	50	24	19.06	19.20	18.87	20.50
20	16QAM	50	50	18.99	19.07	18.91	20.50
20	16QAM	100	0	19.08	19.35	19.08	20.50
20	64QAM	1	0	19.24	19.14	18.89	20.50
20	64QAM	1	49	19.21	19.18	18.95	20.50
20	64QAM	1	99	19.08	19.34	19.08	20.50
20	64QAM	50	0	19.17	19.05	19.15	20.50
20	64QAM	50	24	19.28	19.23	18.84	20.50
20	64QAM	50	50	19.06	19.14	19.16	20.50
20	64QAM	100	0	19.10	19.21	18.92	20.50
20	256QAM	1	0	18.67	18.80	18.58	20.00
20	256QAM	1	49	18.57	18.76	18.50	20.00
20	256QAM	1	99	18.71	18.80	18.30	20.00
20	256QAM	50	0	18.60	18.79	18.46	20.00
20	256QAM	50	24	18.85	18.88	18.44	20.00
20	256QAM	50	50	18.81	18.78	18.31	20.00
20	256QAM	100	0	18.57	18.73	18.68	20.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.19	19.22	19.19	20.50
15	QPSK	1	37	18.94	18.96	18.88	20.50
15	QPSK	1	74	19.18	18.94	18.98	20.50
15	QPSK	36	0	19.31	19.22	19.00	20.50
15	QPSK	36	20	19.14	18.96	18.97	20.50
15	QPSK	36	39	19.03	19.17	19.12	20.50
15	QPSK	75	0	18.90	19.01	18.90	20.50
15	16QAM	1	0	19.18	19.04	18.82	20.50
15	16QAM	1	37	18.99	19.08	19.02	20.50
15	16QAM	1	74	19.00	19.15	18.74	20.50
15	16QAM	36	0	19.01	19.05	19.00	20.50
15	16QAM	36	20	18.99	19.11	18.75	20.50
15	16QAM	36	39	18.94	18.99	18.78	20.50
15	16QAM	75	0	18.95	19.21	19.06	20.50
15	64QAM	1	0	19.18	19.12	18.76	20.50
15	64QAM	1	37	19.13	19.08	18.94	20.50
15	64QAM	1	74	18.93	19.27	19.03	20.50
15	64QAM	36	0	19.10	19.03	19.02	20.50
15	64QAM	36	20	19.14	19.10	18.82	20.50
15	64QAM	36	39	18.96	19.07	19.02	20.50
15	64QAM	75	0	19.06	19.14	18.90	20.50
15	256QAM	1	0	18.60	18.76	18.50	20.00
15	256QAM	1	37	18.50	18.61	18.46	20.00
15	256QAM	1	74	18.61	18.68	18.28	20.00
15	256QAM	36	0	18.46	18.76	18.39	20.00
15	256QAM	36	20	18.71	18.85	18.43	20.00
15	256QAM	36	39	18.80	18.74	18.20	20.00
15	256QAM	75	0	18.47	18.71	18.61	20.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.13	19.33	19.24	20.50
10	QPSK	1	25	19.00	19.00	18.84	20.50
10	QPSK	1	49	19.27	18.92	18.99	20.50
10	QPSK	25	0	19.24	19.22	18.95	20.50
10	QPSK	25	12	19.19	18.89	19.03	20.50
10	QPSK	25	25	19.12	19.09	19.07	20.50
10	QPSK	50	0	18.96	19.03	18.90	20.50



10	16QAM	1	0	19.15	19.06	18.88	20.50
10	16QAM	1	25	19.04	19.16	18.99	20.50
10	16QAM	1	49	18.96	19.14	18.70	20.50
10	16QAM	25	0	19.11	19.11	18.99	20.50
10	16QAM	25	12	18.99	19.08	18.79	20.50
10	16QAM	25	25	18.88	19.01	18.86	20.50
10	16QAM	50	0	19.02	19.21	19.04	20.50
10	64QAM	1	0	19.12	19.10	18.79	20.50
10	64QAM	1	25	19.13	19.06	18.85	20.50
10	64QAM	1	49	18.95	19.27	19.07	20.50
10	64QAM	25	0	19.14	18.91	19.08	20.50
10	64QAM	25	12	19.14	19.20	18.73	20.50
10	64QAM	25	25	19.02	19.00	19.15	20.50
10	64QAM	50	0	19.06	19.18	18.83	20.50
10	256QAM	1	0	18.61	18.68	18.51	20.00
10	256QAM	1	25	18.52	18.70	18.43	20.00
10	256QAM	1	49	18.60	18.68	18.21	20.00
10	256QAM	25	0	18.52	18.78	18.39	20.00
10	256QAM	25	12	18.83	18.86	18.31	20.00
10	256QAM	25	25	18.67	18.74	18.19	20.00
10	256QAM	50	0	18.43	18.61	18.58	20.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.16	19.27	19.24	20.50
5	QPSK	1	12	19.01	19.01	18.78	20.50
5	QPSK	1	24	19.26	19.01	18.94	20.50
5	QPSK	12	0	19.32	19.20	18.94	20.50
5	QPSK	12	7	19.15	18.92	18.96	20.50
5	QPSK	12	13	19.10	19.10	18.99	20.50
5	QPSK	25	0	18.96	19.03	18.95	20.50
5	16QAM	1	0	19.12	19.13	18.91	20.50
5	16QAM	1	12	19.04	19.09	19.05	20.50
5	16QAM	1	24	19.07	19.15	18.67	20.50
5	16QAM	12	0	18.99	19.09	18.89	20.50
5	16QAM	12	7	19.01	19.19	18.79	20.50
5	16QAM	12	13	18.88	18.94	18.87	20.50
5	16QAM	25	0	19.00	19.31	19.04	20.50
5	64QAM	1	0	19.13	19.00	18.77	20.50
5	64QAM	1	12	19.13	19.13	18.83	20.50
5	64QAM	1	24	18.97	19.32	19.05	20.50
5	64QAM	12	0	19.11	18.96	19.07	20.50
5	64QAM	12	7	19.16	19.18	18.78	20.50
5	64QAM	12	13	18.92	19.09	19.03	20.50
5	64QAM	25	0	19.00	19.13	18.89	20.50
5	256QAM	1	0	18.54	18.75	18.47	20.00
5	256QAM	1	12	18.54	18.74	18.43	20.00
5	256QAM	1	24	18.62	18.73	18.19	20.00
5	256QAM	12	0	18.52	18.66	18.31	20.00
5	256QAM	12	7	18.72	18.78	18.31	20.00
5	256QAM	12	13	18.68	18.66	18.24	20.00
5	256QAM	25	0	18.54	18.60	18.62	20.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.26	19.20	19.17	20.50
3	QPSK	1	8	18.90	19.01	18.86	20.50
3	QPSK	1	14	19.29	18.90	18.99	20.50
3	QPSK	8	0	19.23	19.19	18.89	20.50
3	QPSK	8	4	19.18	18.89	18.94	20.50
3	QPSK	8	7	19.13	19.07	19.06	20.50
3	QPSK	15	0	18.92	19.12	18.91	20.50
3	16QAM	1	0	19.17	19.03	18.84	20.50
3	16QAM	1	8	19.03	19.17	19.00	20.50
3	16QAM	1	14	19.01	19.09	18.68	20.50
3	16QAM	8	0	19.03	19.14	19.00	20.50
3	16QAM	8	4	19.04	19.15	18.75	20.50
3	16QAM	8	7	18.93	18.95	18.78	20.50
3	16QAM	15	0	19.01	19.22	19.03	20.50
3	64QAM	1	0	19.22	19.05	18.82	20.50
3	64QAM	1	8	19.08	19.12	18.91	20.50
3	64QAM	1	14	19.06	19.33	18.96	20.50
3	64QAM	8	0	19.07	18.94	19.13	20.50
3	64QAM	8	4	19.20	19.13	18.81	20.50
3	64QAM	8	7	18.93	19.12	19.15	20.50
3	64QAM	15	0	19.03	19.15	18.89	20.50



3	256QAM	1	0	18.53	18.65	18.47	20.00
3	256QAM	1	8	18.48	18.70	18.40	20.00
3	256QAM	1	14	18.57	18.67	18.24	20.00
3	256QAM	8	0	18.57	18.74	18.39	20.00
3	256QAM	8	4	18.73	18.83	18.40	20.00
3	256QAM	8	7	18.67	18.66	18.29	20.00
3	256QAM	15	0	18.48	18.66	18.67	20.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.14	19.31	19.25	20.50
1.4	QPSK	1	3	18.97	19.00	18.77	20.50
1.4	QPSK	1	5	19.18	19.01	18.96	20.50
1.4	QPSK	3	0	19.25	19.12	18.96	20.50
1.4	QPSK	3	1	19.22	18.96	18.90	20.50
1.4	QPSK	3	3	19.10	19.13	19.09	20.50
1.4	QPSK	6	0	18.94	19.11	18.83	20.50
1.4	16QAM	1	0	19.14	19.06	18.86	20.50
1.4	16QAM	1	3	19.05	19.15	19.02	20.50
1.4	16QAM	1	5	19.02	19.05	18.67	20.50
1.4	16QAM	3	0	19.12	19.12	18.99	20.50
1.4	16QAM	3	1	19.04	19.10	18.85	20.50
1.4	16QAM	3	3	18.91	18.93	18.86	20.50
1.4	16QAM	6	0	19.06	19.28	18.93	20.50
1.4	64QAM	1	0	19.11	19.08	18.87	20.50
1.4	64QAM	1	3	19.10	19.06	18.80	20.50
1.4	64QAM	1	5	18.95	19.30	18.96	20.50
1.4	64QAM	3	0	19.15	19.02	19.06	20.50
1.4	64QAM	3	1	19.26	19.14	18.78	20.50
1.4	64QAM	3	3	19.05	19.00	19.09	20.50
1.4	64QAM	6	0	18.98	19.14	18.81	20.50
1.4	256QAM	1	0	18.64	18.69	18.43	20.00
1.4	256QAM	1	3	18.52	18.71	18.45	20.00
1.4	256QAM	1	5	18.59	18.75	18.19	20.00
1.4	256QAM	3	0	18.55	18.78	18.39	20.00
1.4	256QAM	3	1	18.72	18.76	18.40	20.00
1.4	256QAM	3	3	18.77	18.67	18.22	20.00
1.4	256QAM	6	0	18.46	18.65	18.54	20.00

【LTE Band 4_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.08	23.11	23.05	24.00
20	QPSK	1	49	22.94	23.06	22.93	24.00
20	QPSK	1	99	22.89	23.01	22.83	24.00
20	QPSK	50	0	22.96	23.08	22.92	24.00
20	QPSK	50	24	23.00	23.05	22.85	24.00
20	QPSK	50	50	22.96	23.02	22.84	24.00
20	QPSK	100	0	22.80	22.95	22.78	24.00
20	16QAM	1	0	22.86	22.98	22.79	24.00
20	16QAM	1	49	22.77	22.93	22.77	24.00
20	16QAM	1	99	22.87	22.96	22.89	24.00
20	16QAM	50	0	22.86	22.94	22.83	24.00
20	16QAM	50	24	22.80	22.91	22.77	24.00
20	16QAM	50	50	22.82	22.87	22.74	24.00
20	16QAM	100	0	22.82	22.89	22.69	24.00
20	64QAM	1	0	22.78	22.85	22.71	24.00
20	64QAM	1	49	22.77	22.84	22.64	24.00
20	64QAM	1	99	22.73	22.88	22.78	24.00
20	64QAM	50	0	21.89	22.06	21.89	23.00
20	64QAM	50	24	21.95	22.01	21.88	23.00
20	64QAM	50	50	21.83	21.95	21.87	23.00
20	64QAM	100	0	21.86	21.98	21.83	23.00
20	256QAM	1	0	20.05	20.09	19.99	21.00
20	256QAM	1	49	19.99	20.05	19.98	21.00
20	256QAM	1	99	19.98	20.03	19.89	21.00
20	256QAM	50	0	19.93	20.01	19.89	21.00
20	256QAM	50	24	19.88	19.98	19.80	21.00



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20	256QAM	50	50	19.85	19.95	19.84	21.00
20	256QAM	100	0	19.81	19.93	19.77	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.95	23.05	22.94	24.00
15	QPSK	1	37	22.92	22.93	22.82	24.00
15	QPSK	1	74	22.87	22.87	22.71	24.00
15	QPSK	36	0	22.82	23.03	22.88	24.00
15	QPSK	36	20	22.89	23.04	22.84	24.00
15	QPSK	36	39	22.83	22.97	22.78	24.00
15	QPSK	75	0	22.74	22.83	22.69	24.00
15	16QAM	1	0	22.84	22.93	22.74	24.00
15	16QAM	1	37	22.66	22.84	22.70	24.00
15	16QAM	1	74	22.79	22.87	22.75	24.00
15	16QAM	36	0	22.75	22.84	22.76	24.00
15	16QAM	36	20	22.72	22.78	22.75	24.00
15	16QAM	36	39	22.79	22.75	22.71	24.00
15	16QAM	75	0	22.71	22.83	22.65	24.00
15	64QAM	1	0	22.65	22.77	22.62	24.00
15	64QAM	1	37	22.73	22.71	22.53	24.00
15	64QAM	1	74	22.65	22.85	22.64	24.00
15	64QAM	36	0	21.85	22.05	21.87	23.00
15	64QAM	36	20	21.88	21.94	21.74	23.00
15	64QAM	36	39	21.74	21.83	21.81	23.00
15	64QAM	75	0	21.82	21.92	21.78	23.00
15	256QAM	1	0	19.92	20.06	19.87	21.00
15	256QAM	1	37	19.92	19.98	19.89	21.00
15	256QAM	1	74	19.97	20.01	19.87	21.00
15	256QAM	36	0	19.86	19.90	19.85	21.00
15	256QAM	36	20	19.78	19.87	19.71	21.00
15	256QAM	36	39	19.78	19.90	19.73	21.00
15	256QAM	75	0	19.79	19.82	19.70	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.02	23.06	23.03	24.00
10	QPSK	1	25	22.92	23.03	22.90	24.00
10	QPSK	1	49	22.80	22.88	22.79	24.00
10	QPSK	25	0	22.84	22.94	22.82	24.00
10	QPSK	25	12	22.91	23.04	22.74	24.00
10	QPSK	25	25	22.93	22.91	22.79	24.00
10	QPSK	50	0	22.76	22.81	22.68	24.00
10	16QAM	1	0	22.77	22.92	22.66	24.00
10	16QAM	1	25	22.74	22.91	22.63	24.00
10	16QAM	1	49	22.74	22.95	22.82	24.00
10	16QAM	25	0	22.84	22.93	22.70	24.00
10	16QAM	25	12	22.67	22.85	22.63	24.00
10	16QAM	25	25	22.79	22.74	22.69	24.00
10	16QAM	50	0	22.76	22.86	22.59	24.00
10	64QAM	1	0	22.63	22.77	22.62	24.00
10	64QAM	1	25	22.70	22.82	22.62	24.00
10	64QAM	1	49	22.72	22.74	22.72	24.00
10	64QAM	25	0	21.87	21.98	21.84	23.00
10	64QAM	25	12	21.87	21.93	21.74	23.00
10	64QAM	25	25	21.78	21.88	21.83	23.00
10	64QAM	50	0	21.76	21.86	21.74	23.00
10	256QAM	1	0	20.04	19.96	19.92	21.00
10	256QAM	1	25	19.84	20.01	19.94	21.00
10	256QAM	1	49	19.95	19.94	19.84	21.00
10	256QAM	25	0	19.81	19.88	19.74	21.00
10	256QAM	25	12	19.76	19.95	19.69	21.00
10	256QAM	25	25	19.73	19.89	19.74	21.00
10	256QAM	50	0	19.79	19.83	19.67	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.05	23.09	22.99	24.00
5	QPSK	1	12	22.84	22.93	22.89	24.00
5	QPSK	1	24	22.81	22.87	22.82	24.00
5	QPSK	12	0	22.86	22.96	22.88	24.00
5	QPSK	12	7	22.85	23.03	22.74	24.00
5	QPSK	12	13	22.83	23.00	22.75	24.00
5	QPSK	25	0	22.66	22.88	22.73	24.00
5	16QAM	1	0	22.82	22.85	22.66	24.00
5	16QAM	1	12	22.67	22.84	22.68	24.00
5	16QAM	1	24	22.85	22.88	22.76	24.00



5	16QAM	12	0	22.74	22.87	22.81	24.00
5	16QAM	12	7	22.73	22.83	22.74	24.00
5	16QAM	12	13	22.74	22.80	22.64	24.00
5	16QAM	25	0	22.71	22.79	22.57	24.00
5	64QAM	1	0	22.68	22.75	22.62	24.00
5	64QAM	1	12	22.65	22.82	22.51	24.00
5	64QAM	1	24	22.72	22.79	22.69	24.00
5	64QAM	12	0	21.80	21.99	21.86	23.00
5	64QAM	12	7	21.81	21.92	21.80	23.00
5	64QAM	12	13	21.71	21.87	21.76	23.00
5	64QAM	25	0	21.78	21.89	21.74	23.00
5	256QAM	1	0	19.92	19.96	19.97	21.00
5	256QAM	1	12	19.91	19.99	19.83	21.00
5	256QAM	1	24	19.84	19.92	19.76	21.00
5	256QAM	12	0	19.92	19.91	19.76	21.00
5	256QAM	12	7	19.84	19.83	19.70	21.00
5	256QAM	12	13	19.80	19.91	19.80	21.00
5	256QAM	25	0	19.71	19.78	19.64	21.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.05	23.08	23.01	24.00
3	QPSK	1	8	22.82	23.00	22.80	24.00
3	QPSK	1	14	22.80	22.94	22.75	24.00
3	QPSK	8	0	22.93	23.04	22.91	24.00
3	QPSK	8	4	22.86	22.93	22.78	24.00
3	QPSK	8	7	22.88	22.95	22.70	24.00
3	QPSK	15	0	22.76	22.94	22.75	24.00
3	16QAM	1	0	22.79	22.86	22.76	24.00
3	16QAM	1	8	22.69	22.85	22.74	24.00
3	16QAM	1	14	22.83	22.92	22.77	24.00
3	16QAM	8	0	22.79	22.83	22.74	24.00
3	16QAM	8	4	22.66	22.83	22.63	24.00
3	16QAM	8	7	22.71	22.85	22.69	24.00
3	16QAM	15	0	22.72	22.83	22.66	24.00
3	64QAM	1	0	22.72	22.82	22.60	24.00
3	64QAM	1	8	22.68	22.78	22.60	24.00
3	64QAM	1	14	22.59	22.75	22.68	24.00
3	64QAM	8	0	21.82	21.92	21.82	23.00
3	64QAM	8	4	21.87	21.88	21.82	23.00
3	64QAM	8	7	21.70	21.90	21.79	23.00
3	64QAM	15	0	21.77	21.84	21.73	23.00
3	256QAM	1	0	20.00	20.01	19.95	21.00
3	256QAM	1	8	19.89	19.91	19.91	21.00
3	256QAM	1	14	19.95	19.94	19.77	21.00
3	256QAM	8	0	19.90	19.90	19.81	21.00
3	256QAM	8	4	19.74	19.91	19.77	21.00
3	256QAM	8	7	19.82	19.80	19.69	21.00
3	256QAM	15	0	19.74	19.81	19.64	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.06	23.02	23.00	24.00
1.4	QPSK	1	3	22.86	23.01	22.81	24.00
1.4	QPSK	1	5	22.85	22.90	22.69	24.00
1.4	QPSK	3	0	22.89	23.07	22.77	24.00
1.4	QPSK	3	1	22.89	22.93	22.73	24.00
1.4	QPSK	3	3	22.88	22.95	22.71	24.00
1.4	QPSK	6	0	22.72	22.93	22.75	24.00
1.4	16QAM	1	0	22.81	22.90	22.76	24.00
1.4	16QAM	1	3	22.64	22.88	22.68	24.00
1.4	16QAM	1	5	22.83	22.85	22.82	24.00
1.4	16QAM	3	0	22.81	22.84	22.78	24.00
1.4	16QAM	3	1	22.68	22.79	22.65	24.00
1.4	16QAM	3	3	22.67	22.72	22.72	24.00
1.4	16QAM	6	0	22.74	22.83	22.60	24.00
1.4	64QAM	1	0	22.67	22.80	22.61	24.00
1.4	64QAM	1	3	22.63	22.72	22.60	24.00
1.4	64QAM	1	5	22.68	22.77	22.75	24.00
1.4	64QAM	3	0	21.84	21.93	21.77	23.00
1.4	64QAM	3	1	21.92	21.91	21.79	23.00
1.4	64QAM	3	3	21.77	21.93	21.83	23.00
1.4	64QAM	6	0	21.80	21.86	21.80	23.00
1.4	256QAM	1	0	19.94	20.02	19.91	21.00
1.4	256QAM	1	3	19.89	19.91	19.89	21.00
1.4	256QAM	1	5	19.86	19.91	19.81	21.00



1.4	256QAM	3	0	19.84	19.97	19.80	21.00
1.4	256QAM	3	1	19.83	19.92	19.73	21.00
1.4	256QAM	3	3	19.77	19.84	19.69	21.00
1.4	256QAM	6	0	19.67	19.91	19.66	21.00

【LTE Band 4_Ant 4_DSI 6】

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	19.79	19.92	19.85	20.90
20	QPSK	1	49	19.74	19.70	19.80	20.90
20	QPSK	1	99	19.70	19.78	19.65	20.90
20	QPSK	50	0	19.66	19.74	19.61	20.90
20	QPSK	50	24	19.56	19.85	19.68	20.90
20	QPSK	50	50	19.66	19.76	19.75	20.90
20	QPSK	100	0	19.77	19.84	19.56	20.90
20	16QAM	1	0	19.59	19.61	19.59	20.90
20	16QAM	1	49	19.77	19.65	19.49	20.90
20	16QAM	1	99	19.75	19.84	19.60	20.90
20	16QAM	50	0	19.55	19.74	19.52	20.90
20	16QAM	50	24	19.58	19.64	19.64	20.90
20	16QAM	50	50	19.49	19.65	19.42	20.90
20	16QAM	100	0	19.59	19.67	19.71	20.90
20	64QAM	1	0	19.55	19.73	19.69	20.90
20	64QAM	1	49	19.63	19.69	19.46	20.90
20	64QAM	1	99	19.63	19.70	19.70	20.90
20	64QAM	50	0	19.73	19.63	19.50	20.90
20	64QAM	50	24	19.50	19.58	19.61	20.90
20	64QAM	50	50	19.59	19.68	19.58	20.90
20	64QAM	100	0	19.52	19.63	19.61	20.90
20	256QAM	1	0	19.52	19.68	19.60	20.90
20	256QAM	1	49	19.46	19.73	19.62	20.90
20	256QAM	1	99	19.52	19.78	19.67	20.90
20	256QAM	50	0	19.61	19.76	19.68	20.90
20	256QAM	50	24	19.49	19.69	19.57	20.90
20	256QAM	50	50	19.62	19.77	19.57	20.90
20	256QAM	100	0	19.50	19.75	19.66	20.90
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.67	19.83	19.83	20.90
15	QPSK	1	37	19.63	19.61	19.68	20.90
15	QPSK	1	74	19.62	19.69	19.58	20.90
15	QPSK	36	0	19.57	19.70	19.52	20.90
15	QPSK	36	20	19.41	19.76	19.56	20.90
15	QPSK	36	39	19.55	19.66	19.69	20.90
15	QPSK	75	0	19.73	19.78	19.46	20.90
15	16QAM	1	0	19.48	19.52	19.48	20.90
15	16QAM	1	37	19.72	19.63	19.44	20.90
15	16QAM	1	74	19.72	19.76	19.53	20.90
15	16QAM	36	0	19.43	19.65	19.41	20.90
15	16QAM	36	20	19.50	19.50	19.55	20.90
15	16QAM	36	39	19.43	19.52	19.32	20.90
15	16QAM	75	0	19.58	19.53	19.69	20.90
15	64QAM	1	0	19.41	19.65	19.68	20.90
15	64QAM	1	37	19.50	19.64	19.42	20.90
15	64QAM	1	74	19.50	19.66	19.61	20.90
15	64QAM	36	0	19.61	19.55	19.49	20.90
15	64QAM	36	20	19.47	19.49	19.47	20.90
15	64QAM	36	39	19.52	19.60	19.51	20.90
15	64QAM	75	0	19.38	19.58	19.49	20.90
15	256QAM	1	0	19.39	19.60	19.52	20.90
15	256QAM	1	37	19.42	19.70	19.58	20.90
15	256QAM	1	74	19.43	19.72	19.60	20.90
15	256QAM	36	0	19.54	19.70	19.60	20.90
15	256QAM	36	20	19.45	19.55	19.55	20.90
15	256QAM	36	39	19.52	19.72	19.55	20.90
15	256QAM	75	0	19.47	19.62	19.61	20.90
Channel				20000	20175	20350	Tune-up limit



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Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.76	19.82	19.77	20.90
10	QPSK	1	25	19.64	19.63	19.72	20.90
10	QPSK	1	49	19.67	19.67	19.59	20.90
10	QPSK	25	0	19.52	19.65	19.53	20.90
10	QPSK	25	12	19.50	19.71	19.60	20.90
10	QPSK	25	25	19.62	19.70	19.67	20.90
10	QPSK	50	0	19.71	19.76	19.41	20.90
10	16QAM	1	0	19.51	19.58	19.54	20.90
10	16QAM	1	25	19.71	19.50	19.37	20.90
10	16QAM	1	49	19.67	19.79	19.45	20.90
10	16QAM	25	0	19.42	19.71	19.44	20.90
10	16QAM	25	12	19.47	19.63	19.54	20.90
10	16QAM	25	25	19.43	19.57	19.36	20.90
10	16QAM	50	0	19.53	19.55	19.67	20.90
10	64QAM	1	0	19.44	19.63	19.67	20.90
10	64QAM	1	25	19.48	19.63	19.33	20.90
10	64QAM	1	49	19.52	19.60	19.62	20.90
10	64QAM	25	0	19.58	19.52	19.48	20.90
10	64QAM	25	12	19.45	19.44	19.51	20.90
10	64QAM	25	25	19.50	19.55	19.48	20.90
10	64QAM	50	0	19.42	19.50	19.47	20.90
10	256QAM	1	0	19.51	19.57	19.56	20.90
10	256QAM	1	25	19.31	19.69	19.59	20.90
10	256QAM	1	49	19.42	19.70	19.63	20.90
10	256QAM	25	0	19.53	19.72	19.54	20.90
10	256QAM	25	12	19.46	19.66	19.53	20.90
10	256QAM	25	25	19.52	19.76	19.56	20.90
10	256QAM	50	0	19.38	19.71	19.60	20.90
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.74	19.85	19.81	20.90
5	QPSK	1	12	19.63	19.62	19.69	20.90
5	QPSK	1	24	19.57	19.64	19.53	20.90
5	QPSK	12	0	19.55	19.70	19.51	20.90
5	QPSK	12	7	19.44	19.84	19.57	20.90
5	QPSK	12	13	19.56	19.74	19.73	20.90
5	QPSK	25	0	19.71	19.80	19.54	20.90
5	16QAM	1	0	19.49	19.50	19.56	20.90
5	16QAM	1	12	19.75	19.63	19.46	20.90
5	16QAM	1	24	19.70	19.83	19.56	20.90
5	16QAM	12	0	19.48	19.59	19.42	20.90
5	16QAM	12	7	19.56	19.57	19.53	20.90
5	16QAM	12	13	19.43	19.59	19.34	20.90
5	16QAM	25	0	19.56	19.60	19.62	20.90
5	64QAM	1	0	19.51	19.68	19.63	20.90
5	64QAM	1	12	19.53	19.58	19.42	20.90
5	64QAM	1	24	19.51	19.69	19.65	20.90
5	64QAM	12	0	19.61	19.51	19.45	20.90
5	64QAM	12	7	19.40	19.55	19.50	20.90
5	64QAM	12	13	19.53	19.63	19.52	20.90
5	64QAM	25	0	19.50	19.54	19.53	20.90
5	256QAM	1	0	19.39	19.53	19.50	20.90
5	256QAM	1	12	19.36	19.64	19.49	20.90
5	256QAM	1	24	19.43	19.67	19.58	20.90
5	256QAM	12	0	19.52	19.63	19.54	20.90
5	256QAM	12	7	19.47	19.61	19.43	20.90
5	256QAM	12	13	19.52	19.68	19.52	20.90
5	256QAM	25	0	19.36	19.63	19.56	20.90
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.73	19.90	19.80	20.90
3	QPSK	1	8	19.64	19.62	19.78	20.90
3	QPSK	1	14	19.69	19.69	19.55	20.90
3	QPSK	8	0	19.59	19.69	19.60	20.90
3	QPSK	8	4	19.42	19.75	19.55	20.90
3	QPSK	8	7	19.52	19.68	19.66	20.90
3	QPSK	15	0	19.64	19.81	19.41	20.90
3	16QAM	1	0	19.54	19.54	19.57	20.90
3	16QAM	1	8	19.63	19.51	19.35	20.90
3	16QAM	1	14	19.62	19.74	19.55	20.90
3	16QAM	8	0	19.48	19.61	19.45	20.90
3	16QAM	8	4	19.56	19.63	19.53	20.90
3	16QAM	8	7	19.37	19.61	19.39	20.90



3	16QAM	15	0	19.53	19.65	19.69	20.90
3	64QAM	1	0	19.51	19.62	19.57	20.90
3	64QAM	1	8	19.49	19.57	19.41	20.90
3	64QAM	1	14	19.53	19.55	19.67	20.90
3	64QAM	8	0	19.59	19.62	19.46	20.90
3	64QAM	8	4	19.43	19.53	19.48	20.90
3	64QAM	8	7	19.51	19.63	19.45	20.90
3	64QAM	15	0	19.41	19.54	19.51	20.90
3	256QAM	1	0	19.48	19.53	19.52	20.90
3	256QAM	1	8	19.34	19.58	19.57	20.90
3	256QAM	1	14	19.50	19.69	19.54	20.90
3	256QAM	8	0	19.56	19.73	19.56	20.90
3	256QAM	8	4	19.38	19.67	19.51	20.90
3	256QAM	8	7	19.55	19.71	19.50	20.90
3	256QAM	15	0	19.42	19.73	19.57	20.90
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.71	19.80	19.76	20.90
1.4	QPSK	1	3	19.71	19.65	19.69	20.90
1.4	QPSK	1	5	19.60	19.72	19.53	20.90
1.4	QPSK	3	0	19.59	19.66	19.50	20.90
1.4	QPSK	3	1	19.51	19.80	19.64	20.90
1.4	QPSK	3	3	19.55	19.65	19.70	20.90
1.4	QPSK	6	0	19.74	19.81	19.52	20.90
1.4	16QAM	1	0	19.54	19.47	19.50	20.90
1.4	16QAM	1	3	19.70	19.55	19.40	20.90
1.4	16QAM	1	5	19.72	19.78	19.51	20.90
1.4	16QAM	3	0	19.49	19.69	19.43	20.90
1.4	16QAM	3	1	19.56	19.62	19.52	20.90
1.4	16QAM	3	3	19.40	19.61	19.31	20.90
1.4	16QAM	6	0	19.55	19.64	19.57	20.90
1.4	64QAM	1	0	19.49	19.63	19.56	20.90
1.4	64QAM	1	3	19.57	19.66	19.39	20.90
1.4	64QAM	1	5	19.56	19.61	19.64	20.90
1.4	64QAM	3	0	19.62	19.58	19.47	20.90
1.4	64QAM	3	1	19.38	19.46	19.50	20.90
1.4	64QAM	3	3	19.44	19.61	19.54	20.90
1.4	64QAM	6	0	19.49	19.55	19.56	20.90
1.4	256QAM	1	0	19.37	19.64	19.55	20.90
1.4	256QAM	1	3	19.41	19.65	19.48	20.90
1.4	256QAM	1	5	19.44	19.74	19.55	20.90
1.4	256QAM	3	0	19.47	19.75	19.62	20.90
1.4	256QAM	3	1	19.41	19.56	19.51	20.90
1.4	256QAM	3	3	19.59	19.73	19.45	20.90
1.4	256QAM	6	0	19.44	19.67	19.62	20.90

【LTE Band 4_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.11	17.15	17.12	18.30
20	QPSK	1	49	16.90	17.11	17.07	18.30
20	QPSK	1	99	16.99	17.04	16.90	18.30
20	QPSK	50	0	17.08	17.08	17.12	18.30
20	QPSK	50	24	17.06	17.04	16.96	18.30
20	QPSK	50	50	16.96	17.02	17.09	18.30
20	QPSK	100	0	17.07	16.94	17.01	18.30
20	16QAM	1	0	16.90	17.08	17.06	18.30
20	16QAM	1	49	17.00	17.09	17.11	18.30
20	16QAM	1	99	16.91	16.97	17.02	18.30
20	16QAM	50	0	16.91	16.99	17.02	18.30
20	16QAM	50	24	17.02	16.98	16.91	18.30
20	16QAM	50	50	16.99	16.96	16.91	18.30
20	16QAM	100	0	17.06	16.98	16.91	18.30
20	64QAM	1	0	17.10	16.89	17.01	18.30
20	64QAM	1	49	17.05	16.96	17.08	18.30
20	64QAM	1	99	16.90	17.10	17.01	18.30
20	64QAM	50	0	17.04	16.94	16.91	18.30



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20	64QAM	50	24	16.89	16.90	17.07	18.30
20	64QAM	50	50	16.89	16.92	17.05	18.30
20	64QAM	100	0	16.93	16.89	17.09	18.30
20	256QAM	1	0	17.06	16.95	17.10	18.30
20	256QAM	1	49	17.01	17.07	17.02	18.30
20	256QAM	1	99	17.01	16.91	16.91	18.30
20	256QAM	50	0	16.92	16.90	16.88	18.30
20	256QAM	50	24	17.07	17.06	17.09	18.30
20	256QAM	50	50	16.93	17.09	16.95	18.30
20	256QAM	100	0	16.93	16.91	17.05	18.30
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.99	16.87	16.87	18.30
15	QPSK	1	37	16.77	16.97	17.03	18.30
15	QPSK	1	74	16.93	16.97	16.84	18.30
15	QPSK	36	0	17.03	16.95	17.00	18.30
15	QPSK	36	20	16.99	16.97	16.91	18.30
15	QPSK	36	39	16.84	16.92	17.03	18.30
15	QPSK	75	0	17.00	16.92	16.94	18.30
15	16QAM	1	0	16.78	17.02	16.98	18.30
15	16QAM	1	37	16.90	16.96	17.05	18.30
15	16QAM	1	74	16.77	16.89	16.89	18.30
15	16QAM	36	0	16.85	16.96	16.99	18.30
15	16QAM	36	20	16.96	16.93	16.88	18.30
15	16QAM	36	39	16.93	16.90	16.77	18.30
15	16QAM	75	0	16.96	16.91	16.83	18.30
15	64QAM	1	0	16.98	16.87	16.96	18.30
15	64QAM	1	37	16.99	16.84	16.98	18.30
15	64QAM	1	74	16.79	16.97	16.99	18.30
15	64QAM	36	0	16.90	16.89	16.85	18.30
15	64QAM	36	20	16.79	16.87	17.02	18.30
15	64QAM	36	39	16.80	16.86	16.90	18.30
15	64QAM	75	0	16.89	16.87	17.01	18.30
15	256QAM	1	0	16.97	16.94	16.99	18.30
15	256QAM	1	37	16.91	17.01	16.91	18.30
15	256QAM	1	74	16.92	16.80	16.78	18.30
15	256QAM	36	0	16.82	16.83	16.84	18.30
15	256QAM	36	20	16.92	16.99	17.00	18.30
15	256QAM	36	39	16.81	17.03	16.91	18.30
15	256QAM	75	0	16.88	16.80	16.98	18.30
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.03	16.87	16.95	18.30
10	QPSK	1	25	16.76	17.03	17.00	18.30
10	QPSK	1	49	16.94	16.89	16.77	18.30
10	QPSK	25	0	17.05	16.89	17.00	18.30
10	QPSK	25	12	17.03	16.96	16.87	18.30
10	QPSK	25	25	16.87	17.00	17.06	18.30
10	QPSK	50	0	17.06	16.89	16.87	18.30
10	16QAM	1	0	16.86	16.99	17.01	18.30
10	16QAM	1	25	16.89	17.00	17.09	18.30
10	16QAM	1	49	16.88	16.85	16.92	18.30
10	16QAM	25	0	16.85	16.84	16.91	18.30
10	16QAM	25	12	16.90	16.93	16.89	18.30
10	16QAM	25	25	16.94	16.87	16.84	18.30
10	16QAM	50	0	16.94	16.86	16.85	18.30
10	64QAM	1	0	17.01	16.77	16.88	18.30
10	64QAM	1	25	16.91	16.81	17.04	18.30
10	64QAM	1	49	16.88	16.99	16.88	18.30
10	64QAM	25	0	16.96	16.92	16.90	18.30
10	64QAM	25	12	16.82	16.80	17.04	18.30
10	64QAM	25	25	16.74	16.84	16.99	18.30
10	64QAM	50	0	16.86	16.77	17.02	18.30
10	256QAM	1	0	16.96	16.92	17.00	18.30
10	256QAM	1	25	16.90	17.04	16.90	18.30
10	256QAM	1	49	16.96	16.82	16.78	18.30
10	256QAM	25	0	16.79	16.84	16.75	18.30
10	256QAM	25	12	16.93	17.03	17.06	18.30
10	256QAM	25	25	16.84	17.03	16.83	18.30
10	256QAM	50	0	16.91	16.89	16.94	18.30
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.06	16.86	16.85	18.30
5	QPSK	1	12	16.80	17.07	16.96	18.30



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5	QPSK	1	24	16.96	16.99	16.86	18.30
5	QPSK	12	0	16.94	16.95	17.06	18.30
5	QPSK	12	7	17.03	17.00	16.88	18.30
5	QPSK	12	13	16.84	16.97	17.02	18.30
5	QPSK	25	0	16.93	16.84	16.98	18.30
5	16QAM	1	0	16.81	16.95	16.93	18.30
5	16QAM	1	12	16.88	17.07	17.07	18.30
5	16QAM	1	24	16.80	16.83	16.94	18.30
5	16QAM	12	0	16.78	16.92	17.00	18.30
5	16QAM	12	7	16.94	16.87	16.86	18.30
5	16QAM	12	13	16.85	16.93	16.87	18.30
5	16QAM	25	0	17.02	16.87	16.87	18.30
5	64QAM	1	0	17.05	16.87	16.94	18.30
5	64QAM	1	12	17.03	16.86	16.97	18.30
5	64QAM	1	24	16.80	17.00	16.91	18.30
5	64QAM	12	0	16.89	16.82	16.81	18.30
5	64QAM	12	7	16.85	16.81	16.93	18.30
5	64QAM	12	13	16.82	16.78	16.99	18.30
5	64QAM	25	0	16.87	16.86	17.07	18.30
5	256QAM	1	0	17.05	16.86	17.03	18.30
5	256QAM	1	12	16.88	16.96	16.96	18.30
5	256QAM	1	24	16.99	16.89	16.79	18.30
5	256QAM	12	0	16.87	16.86	16.74	18.30
5	256QAM	12	7	17.00	16.99	17.03	18.30
5	256QAM	12	13	16.88	17.06	16.88	18.30
5	256QAM	25	0	16.79	16.88	17.02	18.30
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.98	16.89	16.96	18.30
3	QPSK	1	8	16.89	17.09	16.99	18.30
3	QPSK	1	14	16.94	16.99	16.88	18.30
3	QPSK	8	0	16.95	16.91	16.99	18.30
3	QPSK	8	4	16.96	16.99	16.92	18.30
3	QPSK	8	7	16.86	16.99	16.97	18.30
3	QPSK	15	0	16.92	16.85	16.92	18.30
3	16QAM	1	0	16.88	16.94	17.01	18.30
3	16QAM	1	8	16.95	17.07	17.04	18.30
3	16QAM	1	14	16.83	16.94	16.93	18.30
3	16QAM	8	0	16.84	16.90	16.88	18.30
3	16QAM	8	4	16.88	16.88	16.79	18.30
3	16QAM	8	7	16.90	16.93	16.87	18.30
3	16QAM	15	0	16.97	16.89	16.83	18.30
3	64QAM	1	0	17.08	16.76	16.99	18.30
3	64QAM	1	8	16.97	16.87	16.99	18.30
3	64QAM	1	14	16.87	17.03	16.86	18.30
3	64QAM	8	0	16.93	16.79	16.79	18.30
3	64QAM	8	4	16.83	16.77	16.98	18.30
3	64QAM	8	7	16.76	16.84	16.90	18.30
3	64QAM	15	0	16.80	16.77	16.98	18.30
3	256QAM	1	0	16.93	16.91	16.97	18.30
3	256QAM	1	8	16.98	16.99	17.00	18.30
3	256QAM	1	14	16.93	16.88	16.77	18.30
3	256QAM	8	0	16.77	16.76	16.86	18.30
3	256QAM	8	4	16.99	16.97	16.99	18.30
3	256QAM	8	7	16.81	16.98	16.89	18.30
3	256QAM	15	0	16.78	16.87	16.93	18.30
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.97	16.80	16.93	18.30
1.4	QPSK	1	3	16.83	17.08	16.99	18.30
1.4	QPSK	1	5	16.85	17.03	16.77	18.30
1.4	QPSK	3	0	17.07	16.93	17.08	18.30
1.4	QPSK	3	1	17.03	16.96	16.95	18.30
1.4	QPSK	3	3	16.85	16.99	17.02	18.30
1.4	QPSK	6	0	17.01	16.83	16.93	18.30
1.4	16QAM	1	0	16.84	16.97	16.99	18.30
1.4	16QAM	1	3	16.97	17.02	17.02	18.30
1.4	16QAM	1	5	16.88	16.92	16.97	18.30
1.4	16QAM	3	0	16.77	16.94	16.92	18.30
1.4	16QAM	3	1	16.88	16.90	16.89	18.30
1.4	16QAM	3	3	16.92	16.90	16.81	18.30
1.4	16QAM	6	0	16.93	16.94	16.86	18.30
1.4	64QAM	1	0	16.97	16.79	16.98	18.30
1.4	64QAM	1	3	17.01	16.94	16.99	18.30



1.4	64QAM	1	5	16.81	16.99	16.94	18.30
1.4	64QAM	3	0	16.96	16.84	16.89	18.30
1.4	64QAM	3	1	16.77	16.77	17.01	18.30
1.4	64QAM	3	3	16.81	16.83	17.00	18.30
1.4	64QAM	6	0	16.83	16.84	17.05	18.30
1.4	256QAM	1	0	16.98	16.87	17.02	18.30
1.4	256QAM	1	3	16.97	17.02	16.96	18.30
1.4	256QAM	1	5	16.98	16.89	16.85	18.30
1.4	256QAM	3	0	16.90	16.86	16.77	18.30
1.4	256QAM	3	1	16.99	17.02	16.95	18.30
1.4	256QAM	3	3	16.88	17.03	16.89	18.30
1.4	256QAM	6	0	16.79	16.79	17.03	18.30

【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.26	23.13	24.00
20	QPSK	1	49	23.06	23.17	23.03	24.00
20	QPSK	1	99	23.10	23.16	23.01	24.00
20	QPSK	50	0	23.05	23.25	23.03	24.00
20	QPSK	50	24	23.08	23.24	23.08	24.00
20	QPSK	50	50	23.06	23.23	23.07	24.00
20	QPSK	100	0	23.05	23.19	23.10	24.00
20	16QAM	1	0	23.09	23.18	23.07	24.00
20	16QAM	1	49	23.17	23.13	23.13	24.00
20	16QAM	1	99	23.11	23.15	23.12	24.00
20	16QAM	50	0	22.78	22.86	22.71	24.00
20	16QAM	50	24	22.71	22.89	22.66	24.00
20	16QAM	50	50	22.73	22.92	22.76	24.00
20	16QAM	100	0	22.76	22.94	22.83	24.00
20	64QAM	1	0	22.78	22.92	22.81	24.00
20	64QAM	1	49	22.82	22.96	22.83	24.00
20	64QAM	1	99	23.06	23.13	22.91	24.00
20	64QAM	50	0	21.78	21.85	21.63	23.00
20	64QAM	50	24	21.70	21.87	21.72	23.00
20	64QAM	50	50	21.80	21.99	21.85	23.00
20	64QAM	100	0	21.68	21.85	21.67	23.00
20	256QAM	1	0	19.93	20.01	19.82	21.00
20	256QAM	1	49	19.96	20.08	19.93	21.00
20	256QAM	1	99	19.86	19.91	19.77	21.00
20	256QAM	50	0	19.68	19.86	19.78	21.00
20	256QAM	50	24	19.76	19.89	19.69	21.00
20	256QAM	50	50	19.81	19.97	19.80	21.00
20	256QAM	100	0	19.73	19.81	19.65	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.05	23.17	23.03	24.00
15	QPSK	1	37	22.98	23.06	22.96	24.00
15	QPSK	1	74	23.03	23.08	22.94	24.00
15	QPSK	36	0	22.95	23.17	22.93	24.00
15	QPSK	36	20	22.95	23.14	23.03	24.00
15	QPSK	36	39	22.93	23.16	23.01	24.00
15	QPSK	75	0	22.94	23.16	23.03	24.00
15	16QAM	1	0	23.03	23.05	22.95	24.00
15	16QAM	1	37	23.10	23.12	22.99	24.00
15	16QAM	1	74	23.04	23.05	23.01	24.00
15	16QAM	36	0	22.72	22.73	22.69	24.00
15	16QAM	36	20	22.68	22.78	22.60	24.00
15	16QAM	36	39	22.69	22.83	22.72	24.00
15	16QAM	75	0	22.67	22.82	22.75	24.00
15	64QAM	1	0	22.75	22.78	22.79	24.00
15	64QAM	1	37	22.74	22.86	22.73	24.00
15	64QAM	1	74	22.99	23.00	22.78	24.00
15	64QAM	36	0	21.74	21.74	21.57	23.00
15	64QAM	36	20	21.56	21.86	21.65	23.00
15	64QAM	36	39	21.73	21.97	21.79	23.00
15	64QAM	75	0	21.53	21.79	21.54	23.00



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15	256QAM	1	0	19.87	19.97	19.81	21.00
15	256QAM	1	37	19.82	20.01	19.83	21.00
15	256QAM	1	74	19.81	19.79	19.75	21.00
15	256QAM	36	0	19.65	19.72	19.67	21.00
15	256QAM	36	20	19.66	19.83	19.62	21.00
15	256QAM	36	39	19.67	19.86	19.65	21.00
15	256QAM	75	0	19.66	19.77	19.53	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.06	23.22	23.04	24.00
10	QPSK	1	25	23.04	23.16	23.00	24.00
10	QPSK	1	49	23.00	23.12	22.93	24.00
10	QPSK	25	0	22.92	23.19	22.94	24.00
10	QPSK	25	12	23.02	23.18	22.98	24.00
10	QPSK	25	25	22.93	23.14	22.98	24.00
10	QPSK	50	0	23.02	23.05	23.07	24.00
10	16QAM	1	0	22.98	23.08	23.00	24.00
10	16QAM	1	25	23.09	23.10	23.05	24.00
10	16QAM	1	49	22.98	23.10	23.06	24.00
10	16QAM	25	0	22.67	22.78	22.63	24.00
10	16QAM	25	12	22.64	22.81	22.60	24.00
10	16QAM	25	25	22.64	22.88	22.70	24.00
10	16QAM	50	0	22.75	22.90	22.80	24.00
10	64QAM	1	0	22.76	22.77	22.67	24.00
10	64QAM	1	25	22.68	22.85	22.72	24.00
10	64QAM	1	49	22.92	23.01	22.77	24.00
10	64QAM	25	0	21.67	21.77	21.52	23.00
10	64QAM	25	12	21.69	21.82	21.66	23.00
10	64QAM	25	25	21.77	21.90	21.80	23.00
10	64QAM	50	0	21.60	21.73	21.55	23.00
10	256QAM	1	0	19.82	19.89	19.68	21.00
10	256QAM	1	25	19.87	20.00	19.82	21.00
10	256QAM	1	49	19.71	19.90	19.73	21.00
10	256QAM	25	0	19.60	19.81	19.75	21.00
10	256QAM	25	12	19.65	19.84	19.54	21.00
10	256QAM	25	25	19.80	19.91	19.77	21.00
10	256QAM	50	0	19.63	19.69	19.55	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.04	23.22	22.99	24.00
5	QPSK	1	12	22.98	23.12	23.02	24.00
5	QPSK	1	24	22.98	23.05	22.96	24.00
5	QPSK	12	0	22.91	23.13	23.01	24.00
5	QPSK	12	7	22.97	23.16	22.94	24.00
5	QPSK	12	13	23.03	23.21	22.99	24.00
5	QPSK	25	0	22.93	23.12	23.06	24.00
5	16QAM	1	0	23.05	23.07	23.02	24.00
5	16QAM	1	12	23.10	23.01	23.05	24.00
5	16QAM	1	24	23.05	23.10	23.01	24.00
5	16QAM	12	0	22.68	22.84	22.59	24.00
5	16QAM	12	7	22.57	22.82	22.61	24.00
5	16QAM	12	13	22.65	22.81	22.72	24.00
5	16QAM	25	0	22.61	22.84	22.75	24.00
5	64QAM	1	0	22.76	22.90	22.77	24.00
5	64QAM	1	12	22.73	22.88	22.82	24.00
5	64QAM	1	24	22.96	23.04	22.78	24.00
5	64QAM	12	0	21.67	21.76	21.55	23.00
5	64QAM	12	7	21.69	21.76	21.70	23.00
5	64QAM	12	13	21.68	21.93	21.74	23.00
5	64QAM	25	0	21.56	21.74	21.61	23.00
5	256QAM	1	0	19.89	19.99	19.70	21.00
5	256QAM	1	12	19.90	20.00	19.78	21.00
5	256QAM	1	24	19.73	19.86	19.65	21.00
5	256QAM	12	0	19.59	19.79	19.74	21.00
5	256QAM	12	7	19.66	19.85	19.66	21.00
5	256QAM	12	13	19.71	19.87	19.71	21.00
5	256QAM	25	0	19.59	19.72	19.61	21.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.08	23.19	23.08	24.00
3	QPSK	1	8	22.92	23.06	22.92	24.00
3	QPSK	1	14	22.99	23.12	22.96	24.00
3	QPSK	8	0	22.95	23.23	22.92	24.00
3	QPSK	8	4	23.01	23.15	23.07	24.00



3	QPSK	8	7	22.94	23.19	22.96	24.00
3	QPSK	15	0	23.00	23.17	22.98	24.00
3	16QAM	1	0	22.97	23.11	22.98	24.00
3	16QAM	1	8	23.06	23.09	23.06	24.00
3	16QAM	1	14	22.99	23.06	23.10	24.00
3	16QAM	8	0	22.70	22.72	22.69	24.00
3	16QAM	8	4	22.62	22.78	22.63	24.00
3	16QAM	8	7	22.67	22.84	22.75	24.00
3	16QAM	15	0	22.66	22.90	22.71	24.00
3	64QAM	1	0	22.67	22.79	22.68	24.00
3	64QAM	1	8	22.69	22.89	22.78	24.00
3	64QAM	1	14	22.99	23.05	22.87	24.00
3	64QAM	8	0	21.73	21.76	21.61	23.00
3	64QAM	8	4	21.68	21.80	21.59	23.00
3	64QAM	8	7	21.79	21.92	21.79	23.00
3	64QAM	15	0	21.65	21.82	21.57	23.00
3	256QAM	1	0	19.83	19.99	19.72	21.00
3	256QAM	1	8	19.90	20.03	19.89	21.00
3	256QAM	1	14	19.81	19.88	19.74	21.00
3	256QAM	8	0	19.57	19.72	19.67	21.00
3	256QAM	8	4	19.62	19.77	19.56	21.00
3	256QAM	8	7	19.71	19.96	19.71	21.00
3	256QAM	15	0	19.63	19.68	19.60	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.07	23.24	23.12	24.00
1.4	QPSK	1	3	23.00	23.09	22.95	24.00
1.4	QPSK	1	5	23.03	23.08	22.94	24.00
1.4	QPSK	3	0	22.97	23.21	22.96	24.00
1.4	QPSK	3	1	23.05	23.17	22.99	24.00
1.4	QPSK	3	3	22.94	23.11	22.93	24.00
1.4	QPSK	6	0	23.00	23.12	23.03	24.00
1.4	16QAM	1	0	22.97	23.17	23.06	24.00
1.4	16QAM	1	3	23.13	23.08	23.03	24.00
1.4	16QAM	1	5	23.10	23.07	23.02	24.00
1.4	16QAM	3	0	22.75	22.77	22.69	24.00
1.4	16QAM	3	1	22.56	22.75	22.55	24.00
1.4	16QAM	3	3	22.71	22.85	22.67	24.00
1.4	16QAM	6	0	22.74	22.85	22.79	24.00
1.4	64QAM	1	0	22.75	22.91	22.77	24.00
1.4	64QAM	1	3	22.72	22.84	22.76	24.00
1.4	64QAM	1	5	23.01	23.11	22.87	24.00
1.4	64QAM	3	0	21.67	21.82	21.49	23.00
1.4	64QAM	3	1	21.63	21.80	21.62	23.00
1.4	64QAM	3	3	21.67	21.92	21.80	23.00
1.4	64QAM	6	0	21.67	21.84	21.54	23.00
1.4	256QAM	1	0	19.90	19.91	19.71	21.00
1.4	256QAM	1	3	19.82	19.94	19.84	21.00
1.4	256QAM	1	5	19.73	19.81	19.75	21.00
1.4	256QAM	3	0	19.66	19.83	19.66	21.00
1.4	256QAM	3	1	19.74	19.87	19.65	21.00
1.4	256QAM	3	3	19.72	19.96	19.68	21.00
1.4	256QAM	6	0	19.59	19.75	19.59	21.00

【LTE Band 4_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.26	23.13	24.00
20	QPSK	1	49	23.06	23.17	23.03	24.00
20	QPSK	1	99	23.10	23.16	23.01	24.00
20	QPSK	50	0	23.05	23.25	23.03	24.00
20	QPSK	50	24	23.08	23.24	23.08	24.00
20	QPSK	50	50	23.06	23.23	23.07	24.00
20	QPSK	100	0	23.05	23.19	23.10	24.00
20	16QAM	1	0	23.09	23.18	23.07	24.00
20	16QAM	1	49	23.17	23.13	23.13	24.00
20	16QAM	1	99	23.11	23.15	23.12	24.00



20	16QAM	50	0	22.78	22.86	22.71	24.00
20	16QAM	50	24	22.71	22.89	22.66	24.00
20	16QAM	50	50	22.73	22.92	22.76	24.00
20	16QAM	100	0	22.76	22.94	22.83	24.00
20	64QAM	1	0	22.78	22.92	22.81	24.00
20	64QAM	1	49	22.82	22.96	22.83	24.00
20	64QAM	1	99	23.06	23.13	22.91	24.00
20	64QAM	50	0	21.78	21.85	21.63	23.00
20	64QAM	50	24	21.70	21.87	21.72	23.00
20	64QAM	50	50	21.80	21.99	21.85	23.00
20	64QAM	100	0	21.68	21.85	21.67	23.00
20	256QAM	1	0	19.93	20.01	19.82	21.00
20	256QAM	1	49	19.96	20.08	19.93	21.00
20	256QAM	1	99	19.86	19.91	19.77	21.00
20	256QAM	50	0	19.68	19.86	19.78	21.00
20	256QAM	50	24	19.76	19.89	19.69	21.00
20	256QAM	50	50	19.81	19.97	19.80	21.00
20	256QAM	100	0	19.73	19.81	19.65	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.05	23.17	23.03	24.00
15	QPSK	1	37	22.98	23.06	22.96	24.00
15	QPSK	1	74	23.03	23.08	22.94	24.00
15	QPSK	36	0	22.95	23.17	22.93	24.00
15	QPSK	36	20	22.95	23.14	23.03	24.00
15	QPSK	36	39	22.93	23.16	23.01	24.00
15	QPSK	75	0	22.94	23.16	23.03	24.00
15	16QAM	1	0	23.03	23.05	22.95	24.00
15	16QAM	1	37	23.10	23.12	22.99	24.00
15	16QAM	1	74	23.04	23.05	23.01	24.00
15	16QAM	36	0	22.72	22.73	22.69	24.00
15	16QAM	36	20	22.68	22.78	22.60	24.00
15	16QAM	36	39	22.69	22.83	22.72	24.00
15	16QAM	75	0	22.67	22.82	22.75	24.00
15	64QAM	1	0	22.75	22.78	22.79	24.00
15	64QAM	1	37	22.74	22.86	22.73	24.00
15	64QAM	1	74	22.99	23.00	22.78	24.00
15	64QAM	36	0	21.74	21.74	21.57	23.00
15	64QAM	36	20	21.56	21.86	21.65	23.00
15	64QAM	36	39	21.73	21.97	21.79	23.00
15	64QAM	75	0	21.53	21.79	21.54	23.00
15	256QAM	1	0	19.87	19.97	19.81	21.00
15	256QAM	1	37	19.82	20.01	19.83	21.00
15	256QAM	1	74	19.81	19.79	19.75	21.00
15	256QAM	36	0	19.65	19.72	19.67	21.00
15	256QAM	36	20	19.66	19.83	19.62	21.00
15	256QAM	36	39	19.67	19.86	19.65	21.00
15	256QAM	75	0	19.66	19.77	19.53	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.06	23.22	23.04	24.00
10	QPSK	1	25	23.04	23.16	23.00	24.00
10	QPSK	1	49	23.00	23.12	22.93	24.00
10	QPSK	25	0	22.92	23.19	22.94	24.00
10	QPSK	25	12	23.02	23.18	22.98	24.00
10	QPSK	25	25	22.93	23.14	22.98	24.00
10	QPSK	50	0	23.02	23.05	23.07	24.00
10	16QAM	1	0	22.98	23.08	23.00	24.00
10	16QAM	1	25	23.09	23.10	23.05	24.00
10	16QAM	1	49	22.98	23.10	23.06	24.00
10	16QAM	25	0	22.67	22.78	22.63	24.00
10	16QAM	25	12	22.64	22.81	22.60	24.00
10	16QAM	25	25	22.64	22.88	22.70	24.00
10	16QAM	50	0	22.75	22.90	22.80	24.00
10	64QAM	1	0	22.76	22.77	22.67	24.00
10	64QAM	1	25	22.68	22.85	22.72	24.00
10	64QAM	1	49	22.92	23.01	22.77	24.00
10	64QAM	25	0	21.67	21.77	21.52	23.00
10	64QAM	25	12	21.69	21.82	21.66	23.00
10	64QAM	25	25	21.77	21.90	21.80	23.00
10	64QAM	50	0	21.60	21.73	21.55	23.00
10	256QAM	1	0	19.82	19.89	19.68	21.00
10	256QAM	1	25	19.87	20.00	19.82	21.00
10	256QAM	1	49	19.71	19.90	19.73	21.00



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10	256QAM	25	0	19.60	19.81	19.75	21.00
10	256QAM	25	12	19.65	19.84	19.54	21.00
10	256QAM	25	25	19.80	19.91	19.77	21.00
10	256QAM	50	0	19.63	19.69	19.55	21.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.04	23.22	22.99	24.00
5	QPSK	1	12	22.98	23.12	23.02	24.00
5	QPSK	1	24	22.98	23.05	22.96	24.00
5	QPSK	12	0	22.91	23.13	23.01	24.00
5	QPSK	12	7	22.97	23.16	22.94	24.00
5	QPSK	12	13	23.03	23.21	22.99	24.00
5	QPSK	25	0	22.93	23.12	23.06	24.00
5	16QAM	1	0	23.05	23.07	23.02	24.00
5	16QAM	1	12	23.10	23.01	23.05	24.00
5	16QAM	1	24	23.05	23.10	23.01	24.00
5	16QAM	12	0	22.68	22.84	22.59	24.00
5	16QAM	12	7	22.57	22.82	22.61	24.00
5	16QAM	12	13	22.65	22.81	22.72	24.00
5	16QAM	25	0	22.61	22.84	22.75	24.00
5	64QAM	1	0	22.76	22.90	22.77	24.00
5	64QAM	1	12	22.73	22.88	22.82	24.00
5	64QAM	1	24	22.96	23.04	22.78	24.00
5	64QAM	12	0	21.67	21.76	21.55	23.00
5	64QAM	12	7	21.69	21.76	21.70	23.00
5	64QAM	12	13	21.68	21.93	21.74	23.00
5	64QAM	25	0	21.56	21.74	21.61	23.00
5	256QAM	1	0	19.89	19.99	19.70	21.00
5	256QAM	1	12	19.90	20.00	19.78	21.00
5	256QAM	1	24	19.73	19.86	19.65	21.00
5	256QAM	12	0	19.59	19.79	19.74	21.00
5	256QAM	12	7	19.66	19.85	19.66	21.00
5	256QAM	12	13	19.71	19.87	19.71	21.00
5	256QAM	25	0	19.59	19.72	19.61	21.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.08	23.19	23.08	24.00
3	QPSK	1	8	22.92	23.06	22.92	24.00
3	QPSK	1	14	22.99	23.12	22.96	24.00
3	QPSK	8	0	22.95	23.23	22.92	24.00
3	QPSK	8	4	23.01	23.15	23.07	24.00
3	QPSK	8	7	22.94	23.19	22.96	24.00
3	QPSK	15	0	23.00	23.17	22.98	24.00
3	16QAM	1	0	22.97	23.11	22.98	24.00
3	16QAM	1	8	23.06	23.09	23.06	24.00
3	16QAM	1	14	22.99	23.06	23.10	24.00
3	16QAM	8	0	22.70	22.72	22.69	24.00
3	16QAM	8	4	22.62	22.78	22.63	24.00
3	16QAM	8	7	22.67	22.84	22.75	24.00
3	16QAM	15	0	22.66	22.90	22.71	24.00
3	64QAM	1	0	22.67	22.79	22.68	24.00
3	64QAM	1	8	22.69	22.89	22.78	24.00
3	64QAM	1	14	22.99	23.05	22.87	24.00
3	64QAM	8	0	21.73	21.76	21.61	23.00
3	64QAM	8	4	21.68	21.80	21.59	23.00
3	64QAM	8	7	21.79	21.92	21.79	23.00
3	64QAM	15	0	21.65	21.82	21.57	23.00
3	256QAM	1	0	19.83	19.99	19.72	21.00
3	256QAM	1	8	19.90	20.03	19.89	21.00
3	256QAM	1	14	19.81	19.88	19.74	21.00
3	256QAM	8	0	19.57	19.72	19.67	21.00
3	256QAM	8	4	19.62	19.77	19.56	21.00
3	256QAM	8	7	19.71	19.96	19.71	21.00
3	256QAM	15	0	19.63	19.68	19.60	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.07	23.24	23.12	24.00
1.4	QPSK	1	3	23.00	23.09	22.95	24.00
1.4	QPSK	1	5	23.03	23.08	22.94	24.00
1.4	QPSK	3	0	22.97	23.21	22.96	24.00
1.4	QPSK	3	1	23.05	23.17	22.99	24.00
1.4	QPSK	3	3	22.94	23.11	22.93	24.00
1.4	QPSK	6	0	23.00	23.12	23.03	24.00
1.4	16QAM	1	0	22.97	23.17	23.06	24.00



1.4	16QAM	1	3	23.13	23.08	23.03	24.00
1.4	16QAM	1	5	23.10	23.07	23.02	24.00
1.4	16QAM	3	0	22.75	22.77	22.69	24.00
1.4	16QAM	3	1	22.56	22.75	22.55	24.00
1.4	16QAM	3	3	22.71	22.85	22.67	24.00
1.4	16QAM	6	0	22.74	22.85	22.79	24.00
1.4	64QAM	1	0	22.75	22.91	22.77	24.00
1.4	64QAM	1	3	22.72	22.84	22.76	24.00
1.4	64QAM	1	5	23.01	23.11	22.87	24.00
1.4	64QAM	3	0	21.67	21.82	21.49	23.00
1.4	64QAM	3	1	21.63	21.80	21.62	23.00
1.4	64QAM	3	3	21.67	21.92	21.80	23.00
1.4	64QAM	6	0	21.67	21.84	21.54	23.00
1.4	256QAM	1	0	19.90	19.91	19.71	21.00
1.4	256QAM	1	3	19.82	19.94	19.84	21.00
1.4	256QAM	1	5	19.73	19.81	19.75	21.00
1.4	256QAM	3	0	19.66	19.83	19.66	21.00
1.4	256QAM	3	1	19.74	19.87	19.65	21.00
1.4	256QAM	3	3	19.72	19.96	19.68	21.00
1.4	256QAM	6	0	19.59	19.75	19.59	21.00

【LTE Band 4_Ant 8_DSI 3】

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	20.66	20.85	20.66	22.20
20	QPSK	1	49	20.67	20.72	20.67	22.20
20	QPSK	1	99	20.82	20.70	20.81	22.20
20	QPSK	50	0	20.59	20.84	20.66	22.20
20	QPSK	50	24	20.54	20.63	20.68	22.20
20	QPSK	50	50	20.66	20.83	20.83	22.20
20	QPSK	100	0	20.72	20.84	20.85	22.20
20	16QAM	1	0	20.61	20.77	20.69	22.20
20	16QAM	1	49	20.67	20.72	20.58	22.20
20	16QAM	1	99	20.69	20.83	20.76	22.20
20	16QAM	50	0	20.72	20.84	20.58	22.20
20	16QAM	50	24	20.52	20.63	20.72	22.20
20	16QAM	50	50	20.50	20.49	20.63	22.20
20	16QAM	100	0	20.63	20.64	20.57	22.20
20	64QAM	1	0	20.62	20.71	20.84	22.20
20	64QAM	1	49	20.70	20.68	20.76	22.20
20	64QAM	1	99	20.74	20.66	20.64	22.20
20	64QAM	50	0	19.31	19.52	19.43	21.00
20	64QAM	50	24	19.62	19.43	19.39	21.00
20	64QAM	50	50	19.48	19.53	19.44	21.00
20	64QAM	100	0	19.45	19.31	19.63	21.00
20	256QAM	1	0	19.09	18.76	19.13	20.50
20	256QAM	1	49	19.09	18.80	18.93	20.50
20	256QAM	1	99	19.03	18.81	19.03	20.50
20	256QAM	50	0	17.52	17.47	17.55	19.00
20	256QAM	50	24	17.38	17.59	17.45	19.00
20	256QAM	50	50	17.76	17.44	17.61	19.00
20	256QAM	100	0	17.38	17.32	17.59	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.51	20.75	20.54	22.20
15	QPSK	1	37	20.66	20.66	20.55	22.20
15	QPSK	1	74	20.71	20.64	20.72	22.20
15	QPSK	36	0	20.52	20.79	20.62	22.20
15	QPSK	36	20	20.50	20.49	20.60	22.20
15	QPSK	36	39	20.57	20.72	20.72	22.20
15	QPSK	75	0	20.63	20.81	20.83	22.20
15	16QAM	1	0	20.58	20.65	20.64	22.20
15	16QAM	1	37	20.54	20.61	20.47	22.20
15	16QAM	1	74	20.67	20.73	20.67	22.20
15	16QAM	36	0	20.58	20.80	20.43	22.20
15	16QAM	36	20	20.39	20.57	20.68	22.20
15	16QAM	36	39	20.42	20.45	20.62	22.20



15	16QAM	75	0	20.62	20.53	20.56	22.20
15	64QAM	1	0	20.50	20.60	20.82	22.20
15	64QAM	1	37	20.62	20.60	20.62	22.20
15	64QAM	1	74	20.68	20.55	20.55	22.20
15	64QAM	36	0	19.21	19.39	19.35	21.00
15	64QAM	36	20	19.54	19.30	19.31	21.00
15	64QAM	36	39	19.35	19.50	19.36	21.00
15	64QAM	75	0	19.30	19.22	19.60	21.00
15	256QAM	1	0	19.02	18.66	19.06	20.50
15	256QAM	1	37	18.98	18.77	18.83	20.50
15	256QAM	1	74	19.00	18.70	18.89	20.50
15	256QAM	36	0	17.41	17.40	17.43	19.00
15	256QAM	36	20	17.28	17.53	17.44	19.00
15	256QAM	36	39	17.72	17.30	17.52	19.00
15	256QAM	75	0	17.36	17.23	17.54	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.54	20.79	20.61	22.20
10	QPSK	1	25	20.56	20.68	20.58	22.20
10	QPSK	1	49	20.71	20.64	20.70	22.20
10	QPSK	25	0	20.53	20.80	20.55	22.20
10	QPSK	25	12	20.51	20.54	20.53	22.20
10	QPSK	25	25	20.53	20.79	20.68	22.20
10	QPSK	50	0	20.66	20.81	20.76	22.20
10	16QAM	1	0	20.52	20.73	20.64	22.20
10	16QAM	1	25	20.53	20.61	20.52	22.20
10	16QAM	1	49	20.57	20.72	20.67	22.20
10	16QAM	25	0	20.68	20.76	20.44	22.20
10	16QAM	25	12	20.51	20.50	20.60	22.20
10	16QAM	25	25	20.38	20.48	20.56	22.20
10	16QAM	50	0	20.52	20.56	20.56	22.20
10	64QAM	1	0	20.60	20.66	20.79	22.20
10	64QAM	1	25	20.68	20.62	20.74	22.20
10	64QAM	1	49	20.62	20.59	20.56	22.20
10	64QAM	25	0	19.28	19.41	19.32	21.00
10	64QAM	25	12	19.53	19.41	19.30	21.00
10	64QAM	25	25	19.46	19.51	19.34	21.00
10	64QAM	50	0	19.34	19.20	19.51	21.00
10	256QAM	1	0	19.05	18.72	19.02	20.50
10	256QAM	1	25	19.06	18.73	18.92	20.50
10	256QAM	1	49	18.98	18.70	18.93	20.50
10	256QAM	25	0	17.48	17.34	17.46	19.00
10	256QAM	25	12	17.32	17.47	17.32	19.00
10	256QAM	25	25	17.74	17.35	17.48	19.00
10	256QAM	50	0	17.30	17.29	17.47	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.61	20.75	20.64	22.20
5	QPSK	1	12	20.64	20.63	20.65	22.20
5	QPSK	1	24	20.73	20.68	20.72	22.20
5	QPSK	12	0	20.49	20.73	20.56	22.20
5	QPSK	12	7	20.50	20.49	20.67	22.20
5	QPSK	12	13	20.64	20.75	20.68	22.20
5	QPSK	25	0	20.58	20.76	20.72	22.20
5	16QAM	1	0	20.56	20.70	20.67	22.20
5	16QAM	1	12	20.59	20.61	20.56	22.20
5	16QAM	1	24	20.63	20.72	20.70	22.20
5	16QAM	12	0	20.58	20.71	20.45	22.20
5	16QAM	12	7	20.49	20.58	20.62	22.20
5	16QAM	12	13	20.42	20.43	20.53	22.20
5	16QAM	25	0	20.50	20.59	20.48	22.20
5	64QAM	1	0	20.59	20.60	20.78	22.20
5	64QAM	1	12	20.69	20.55	20.68	22.20
5	64QAM	1	24	20.66	20.56	20.58	22.20
5	64QAM	12	0	19.16	19.46	19.38	21.00
5	64QAM	12	7	19.57	19.42	19.34	21.00
5	64QAM	12	13	19.35	19.45	19.41	21.00
5	64QAM	25	0	19.37	19.20	19.53	21.00
5	256QAM	1	0	19.05	18.74	19.03	20.50
5	256QAM	1	12	18.97	18.77	18.82	20.50
5	256QAM	1	24	18.89	18.66	18.92	20.50
5	256QAM	12	0	17.44	17.37	17.52	19.00
5	256QAM	12	7	17.26	17.45	17.42	19.00
5	256QAM	12	13	17.62	17.32	17.56	19.00



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5	256QAM	25	0	17.35	17.19	17.54	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	20.51	20.77	20.58	22.20
3	QPSK	1	8	20.65	20.59	20.61	22.20
3	QPSK	1	14	20.80	20.65	20.78	22.20
3	QPSK	8	0	20.47	20.80	20.63	22.20
3	QPSK	8	4	20.40	20.54	20.53	22.20
3	QPSK	8	7	20.53	20.79	20.71	22.20
3	QPSK	15	0	20.60	20.72	20.77	22.20
3	16QAM	1	0	20.49	20.76	20.57	22.20
3	16QAM	1	8	20.61	20.67	20.51	22.20
3	16QAM	1	14	20.61	20.81	20.65	22.20
3	16QAM	8	0	20.61	20.80	20.49	22.20
3	16QAM	8	4	20.47	20.49	20.68	22.20
3	16QAM	8	7	20.37	20.35	20.60	22.20
3	16QAM	15	0	20.54	20.50	20.48	22.20
3	64QAM	1	0	20.56	20.70	20.76	22.20
3	64QAM	1	8	20.65	20.58	20.66	22.20
3	64QAM	1	14	20.60	20.57	20.55	22.20
3	64QAM	8	0	19.20	19.47	19.35	21.00
3	64QAM	8	4	19.54	19.41	19.29	21.00
3	64QAM	8	7	19.37	19.45	19.35	21.00
3	64QAM	15	0	19.42	19.20	19.57	21.00
3	256QAM	1	0	19.00	18.63	19.07	20.50
3	256QAM	1	8	19.07	18.67	18.82	20.50
3	256QAM	1	14	18.90	18.73	18.91	20.50
3	256QAM	8	0	17.46	17.40	17.42	19.00
3	256QAM	8	4	17.24	17.54	17.37	19.00
3	256QAM	8	7	17.64	17.32	17.57	19.00
3	256QAM	15	0	17.30	17.22	17.54	19.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	20.54	20.73	20.56	22.20
1.4	QPSK	1	3	20.53	20.64	20.60	22.20
1.4	QPSK	1	5	20.74	20.58	20.76	22.20
1.4	QPSK	3	0	20.48	20.69	20.54	22.20
1.4	QPSK	3	1	20.45	20.62	20.61	22.20
1.4	QPSK	3	3	20.62	20.81	20.76	22.20
1.4	QPSK	6	0	20.67	20.78	20.80	22.20
1.4	16QAM	1	0	20.58	20.67	20.66	22.20
1.4	16QAM	1	3	20.54	20.67	20.51	22.20
1.4	16QAM	1	5	20.65	20.78	20.72	22.20
1.4	16QAM	3	0	20.59	20.78	20.47	22.20
1.4	16QAM	3	1	20.45	20.61	20.64	22.20
1.4	16QAM	3	3	20.43	20.44	20.56	22.20
1.4	16QAM	6	0	20.51	20.50	20.53	22.20
1.4	64QAM	1	0	20.49	20.65	20.77	22.20
1.4	64QAM	1	3	20.60	20.56	20.71	22.20
1.4	64QAM	1	5	20.68	20.58	20.57	22.20
1.4	64QAM	3	0	19.24	19.39	19.33	21.00
1.4	64QAM	3	1	19.57	19.30	19.29	21.00
1.4	64QAM	3	3	19.38	19.46	19.33	21.00
1.4	64QAM	6	0	19.40	19.17	19.58	21.00
1.4	256QAM	1	0	18.94	18.70	19.10	20.50
1.4	256QAM	1	3	19.06	18.76	18.78	20.50
1.4	256QAM	1	5	18.91	18.73	18.89	20.50
1.4	256QAM	3	0	17.48	17.46	17.51	19.00
1.4	256QAM	3	1	17.25	17.45	17.32	19.00
1.4	256QAM	3	3	17.75	17.37	17.58	19.00
1.4	256QAM	6	0	17.24	17.29	17.52	19.00

**【LTE Band 4_Ant 8_DSI 4】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.26	23.13	24.00
20	QPSK	1	49	23.06	23.17	23.03	24.00
20	QPSK	1	99	23.10	23.16	23.01	24.00
20	QPSK	50	0	23.05	23.25	23.03	24.00
20	QPSK	50	24	23.08	23.24	23.08	24.00
20	QPSK	50	50	23.06	23.23	23.07	24.00
20	QPSK	100	0	23.05	23.19	23.10	24.00
20	16QAM	1	0	23.09	23.18	23.07	24.00
20	16QAM	1	49	23.17	23.13	23.13	24.00
20	16QAM	1	99	23.11	23.15	23.12	24.00
20	16QAM	50	0	22.78	22.86	22.71	24.00
20	16QAM	50	24	22.71	22.89	22.66	24.00
20	16QAM	50	50	22.73	22.92	22.76	24.00
20	16QAM	100	0	22.76	22.94	22.83	24.00
20	64QAM	1	0	22.78	22.92	22.81	24.00
20	64QAM	1	49	22.82	22.96	22.83	24.00
20	64QAM	1	99	23.06	23.13	22.91	24.00
20	64QAM	50	0	21.78	21.85	21.63	23.00
20	64QAM	50	24	21.70	21.87	21.72	23.00
20	64QAM	50	50	21.80	21.99	21.85	23.00
20	64QAM	100	0	21.68	21.85	21.67	23.00
20	256QAM	1	0	19.93	20.01	19.82	21.00
20	256QAM	1	49	19.96	20.08	19.93	21.00
20	256QAM	1	99	19.86	19.91	19.77	21.00
20	256QAM	50	0	19.68	19.86	19.78	21.00
20	256QAM	50	24	19.76	19.89	19.69	21.00
20	256QAM	50	50	19.81	19.97	19.80	21.00
20	256QAM	100	0	19.73	19.81	19.65	21.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.05	23.17	23.03	24.00
15	QPSK	1	37	22.98	23.06	22.96	24.00
15	QPSK	1	74	23.03	23.08	22.94	24.00
15	QPSK	36	0	22.95	23.17	22.93	24.00
15	QPSK	36	20	22.95	23.14	23.03	24.00
15	QPSK	36	39	22.93	23.16	23.01	24.00
15	QPSK	75	0	22.94	23.16	23.03	24.00
15	16QAM	1	0	23.03	23.05	22.95	24.00
15	16QAM	1	37	23.10	23.12	22.99	24.00
15	16QAM	1	74	23.04	23.05	23.01	24.00
15	16QAM	36	0	22.72	22.73	22.69	24.00
15	16QAM	36	20	22.68	22.78	22.60	24.00
15	16QAM	36	39	22.69	22.83	22.72	24.00
15	16QAM	75	0	22.67	22.82	22.75	24.00
15	64QAM	1	0	22.75	22.78	22.79	24.00
15	64QAM	1	37	22.74	22.86	22.73	24.00
15	64QAM	1	74	22.99	23.00	22.78	24.00
15	64QAM	36	0	21.74	21.74	21.57	23.00
15	64QAM	36	20	21.56	21.86	21.65	23.00
15	64QAM	36	39	21.73	21.97	21.79	23.00
15	64QAM	75	0	21.53	21.79	21.54	23.00
15	256QAM	1	0	19.87	19.97	19.81	21.00
15	256QAM	1	37	19.82	20.01	19.83	21.00
15	256QAM	1	74	19.81	19.79	19.75	21.00
15	256QAM	36	0	19.65	19.72	19.67	21.00
15	256QAM	36	20	19.66	19.83	19.62	21.00
15	256QAM	36	39	19.67	19.86	19.65	21.00
15	256QAM	75	0	19.66	19.77	19.53	21.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.06	23.22	23.04	24.00
10	QPSK	1	25	23.04	23.16	23.00	24.00
10	QPSK	1	49	23.00	23.12	22.93	24.00
10	QPSK	25	0	22.92	23.19	22.94	24.00
10	QPSK	25	12	23.02	23.18	22.98	24.00
10	QPSK	25	25	22.93	23.14	22.98	24.00
10	QPSK	50	0	23.02	23.05	23.07	24.00



10	16QAM	1	0	22.98	23.08	23.00	24.00
10	16QAM	1	25	23.09	23.10	23.05	24.00
10	16QAM	1	49	22.98	23.10	23.06	24.00
10	16QAM	25	0	22.67	22.78	22.63	24.00
10	16QAM	25	12	22.64	22.81	22.60	24.00
10	16QAM	25	25	22.64	22.88	22.70	24.00
10	16QAM	50	0	22.75	22.90	22.80	24.00
10	64QAM	1	0	22.76	22.77	22.67	24.00
10	64QAM	1	25	22.68	22.85	22.72	24.00
10	64QAM	1	49	22.92	23.01	22.77	24.00
10	64QAM	25	0	21.67	21.77	21.52	23.00
10	64QAM	25	12	21.69	21.82	21.66	23.00
10	64QAM	25	25	21.77	21.90	21.80	23.00
10	64QAM	50	0	21.60	21.73	21.55	23.00
10	256QAM	1	0	19.82	19.89	19.68	21.00
10	256QAM	1	25	19.87	20.00	19.82	21.00
10	256QAM	1	49	19.71	19.90	19.73	21.00
10	256QAM	25	0	19.60	19.81	19.75	21.00
10	256QAM	25	12	19.65	19.84	19.54	21.00
10	256QAM	25	25	19.80	19.91	19.77	21.00
10	256QAM	50	0	19.63	19.69	19.55	21.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.04	23.22	22.99	24.00
5	QPSK	1	12	22.98	23.12	23.02	24.00
5	QPSK	1	24	22.98	23.05	22.96	24.00
5	QPSK	12	0	22.91	23.13	23.01	24.00
5	QPSK	12	7	22.97	23.16	22.94	24.00
5	QPSK	12	13	23.03	23.21	22.99	24.00
5	QPSK	25	0	22.93	23.12	23.06	24.00
5	16QAM	1	0	23.05	23.07	23.02	24.00
5	16QAM	1	12	23.10	23.01	23.05	24.00
5	16QAM	1	24	23.05	23.10	23.01	24.00
5	16QAM	12	0	22.68	22.84	22.59	24.00
5	16QAM	12	7	22.57	22.82	22.61	24.00
5	16QAM	12	13	22.65	22.81	22.72	24.00
5	16QAM	25	0	22.61	22.84	22.75	24.00
5	64QAM	1	0	22.76	22.90	22.77	24.00
5	64QAM	1	12	22.73	22.88	22.82	24.00
5	64QAM	1	24	22.96	23.04	22.78	24.00
5	64QAM	12	0	21.67	21.76	21.55	23.00
5	64QAM	12	7	21.69	21.76	21.70	23.00
5	64QAM	12	13	21.68	21.93	21.74	23.00
5	64QAM	25	0	21.56	21.74	21.61	23.00
5	256QAM	1	0	19.89	19.99	19.70	21.00
5	256QAM	1	12	19.90	20.00	19.78	21.00
5	256QAM	1	24	19.73	19.86	19.65	21.00
5	256QAM	12	0	19.59	19.79	19.74	21.00
5	256QAM	12	7	19.66	19.85	19.66	21.00
5	256QAM	12	13	19.71	19.87	19.71	21.00
5	256QAM	25	0	19.59	19.72	19.61	21.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.08	23.19	23.08	24.00
3	QPSK	1	8	22.92	23.06	22.92	24.00
3	QPSK	1	14	22.99	23.12	22.96	24.00
3	QPSK	8	0	22.95	23.23	22.92	24.00
3	QPSK	8	4	23.01	23.15	23.07	24.00
3	QPSK	8	7	22.94	23.19	22.96	24.00
3	QPSK	15	0	23.00	23.17	22.98	24.00
3	16QAM	1	0	22.97	23.11	22.98	24.00
3	16QAM	1	8	23.06	23.09	23.06	24.00
3	16QAM	1	14	22.99	23.06	23.10	24.00
3	16QAM	8	0	22.70	22.72	22.69	24.00
3	16QAM	8	4	22.62	22.78	22.63	24.00
3	16QAM	8	7	22.67	22.84	22.75	24.00
3	16QAM	15	0	22.66	22.90	22.71	24.00
3	64QAM	1	0	22.67	22.79	22.68	24.00
3	64QAM	1	8	22.69	22.89	22.78	24.00
3	64QAM	1	14	22.99	23.05	22.87	24.00
3	64QAM	8	0	21.73	21.76	21.61	23.00
3	64QAM	8	4	21.68	21.80	21.59	23.00
3	64QAM	8	7	21.79	21.92	21.79	23.00
3	64QAM	15	0	21.65	21.82	21.57	23.00



3	256QAM	1	0	19.83	19.99	19.72	21.00
3	256QAM	1	8	19.90	20.03	19.89	21.00
3	256QAM	1	14	19.81	19.88	19.74	21.00
3	256QAM	8	0	19.57	19.72	19.67	21.00
3	256QAM	8	4	19.62	19.77	19.56	21.00
3	256QAM	8	7	19.71	19.96	19.71	21.00
3	256QAM	15	0	19.63	19.68	19.60	21.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.07	23.24	23.12	24.00
1.4	QPSK	1	3	23.00	23.09	22.95	24.00
1.4	QPSK	1	5	23.03	23.08	22.94	24.00
1.4	QPSK	3	0	22.97	23.21	22.96	24.00
1.4	QPSK	3	1	23.05	23.17	22.99	24.00
1.4	QPSK	3	3	22.94	23.11	22.93	24.00
1.4	QPSK	6	0	23.00	23.12	23.03	24.00
1.4	16QAM	1	0	22.97	23.17	23.06	24.00
1.4	16QAM	1	3	23.13	23.08	23.03	24.00
1.4	16QAM	1	5	23.10	23.07	23.02	24.00
1.4	16QAM	3	0	22.75	22.77	22.69	24.00
1.4	16QAM	3	1	22.56	22.75	22.55	24.00
1.4	16QAM	3	3	22.71	22.85	22.67	24.00
1.4	16QAM	6	0	22.74	22.85	22.79	24.00
1.4	64QAM	1	0	22.75	22.91	22.77	24.00
1.4	64QAM	1	3	22.72	22.84	22.76	24.00
1.4	64QAM	1	5	23.01	23.11	22.87	24.00
1.4	64QAM	3	0	21.67	21.82	21.49	23.00
1.4	64QAM	3	1	21.63	21.80	21.62	23.00
1.4	64QAM	3	3	21.67	21.92	21.80	23.00
1.4	64QAM	6	0	21.67	21.84	21.54	23.00
1.4	256QAM	1	0	19.90	19.91	19.71	21.00
1.4	256QAM	1	3	19.82	19.94	19.84	21.00
1.4	256QAM	1	5	19.73	19.81	19.75	21.00
1.4	256QAM	3	0	19.66	19.83	19.66	21.00
1.4	256QAM	3	1	19.74	19.87	19.65	21.00
1.4	256QAM	3	3	19.72	19.96	19.68	21.00
1.4	256QAM	6	0	19.59	19.75	19.59	21.00

【LTE Band 4_Ant 8_DSI 6】

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	23.23	23.25	23.21	24.00
20	QPSK	1	49	22.99	23.02	23.14	24.00
20	QPSK	1	99	22.81	23.15	22.99	24.00
20	QPSK	50	0	23.14	23.15	23.04	24.00
20	QPSK	50	24	22.90	23.12	22.96	24.00
20	QPSK	50	50	23.01	22.96	22.86	24.00
20	QPSK	100	0	22.87	23.05	22.88	24.00
20	16QAM	1	0	22.85	22.96	22.90	24.00
20	16QAM	1	49	22.96	23.07	22.75	24.00
20	16QAM	1	99	22.92	23.03	22.94	24.00
20	16QAM	50	0	21.97	22.22	22.05	23.00
20	16QAM	50	24	22.02	22.06	21.90	23.00
20	16QAM	50	50	22.00	22.02	21.90	23.00
20	16QAM	100	0	22.04	22.14	21.90	23.00
20	64QAM	1	0	21.86	22.20	21.93	23.00
20	64QAM	1	49	21.81	22.06	22.00	23.00
20	64QAM	1	99	21.99	21.99	21.82	23.00
20	64QAM	50	0	20.00	20.25	19.98	21.00
20	64QAM	50	24	20.07	20.23	19.88	21.00
20	64QAM	50	50	19.92	20.18	20.09	21.00
20	64QAM	100	0	20.00	20.14	20.19	21.00
20	256QAM	1	0	19.62	19.58	19.52	20.50
20	256QAM	1	49	19.51	19.73	19.47	20.50
20	256QAM	1	99	19.59	19.64	19.46	20.50
20	256QAM	50	0	18.06	18.09	18.04	19.00
20	256QAM	50	24	18.15	18.29	18.15	19.00



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20	256QAM	50	50	18.03	18.19	18.03	19.00
20	256QAM	100	0	17.98	18.13	17.97	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.10	23.14	23.15	24.00
15	QPSK	1	37	22.95	22.99	23.07	24.00
15	QPSK	1	74	22.75	23.05	22.94	24.00
15	QPSK	36	0	23.00	23.10	22.97	24.00
15	QPSK	36	20	22.88	23.06	22.90	24.00
15	QPSK	36	39	22.99	22.83	22.73	24.00
15	QPSK	75	0	22.79	23.01	22.74	24.00
15	16QAM	1	0	22.80	22.82	22.85	24.00
15	16QAM	1	37	22.88	22.92	22.71	24.00
15	16QAM	1	74	22.81	23.01	22.80	24.00
15	16QAM	36	0	21.87	22.20	22.01	23.00
15	16QAM	36	20	22.00	21.99	21.82	23.00
15	16QAM	36	39	21.87	21.91	21.82	23.00
15	16QAM	75	0	21.97	22.05	21.85	23.00
15	64QAM	1	0	21.71	22.18	21.92	23.00
15	64QAM	1	37	21.69	21.92	21.96	23.00
15	64QAM	1	74	21.96	21.90	21.69	23.00
15	64QAM	36	0	19.88	20.12	19.90	21.00
15	64QAM	36	20	20.06	20.09	19.83	21.00
15	64QAM	36	39	19.85	20.13	20.07	21.00
15	64QAM	75	0	19.92	20.04	20.05	21.00
15	256QAM	1	0	19.55	19.44	19.41	20.50
15	256QAM	1	37	19.41	19.61	19.39	20.50
15	256QAM	1	74	19.46	19.62	19.43	20.50
15	256QAM	36	0	18.04	18.02	17.92	19.00
15	256QAM	36	20	18.13	18.25	18.10	19.00
15	256QAM	36	39	17.97	18.05	17.89	19.00
15	256QAM	75	0	17.91	18.07	17.89	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.20	23.15	23.17	24.00
10	QPSK	1	25	22.90	22.99	23.07	24.00
10	QPSK	1	49	22.79	23.10	22.89	24.00
10	QPSK	25	0	23.11	23.12	22.95	24.00
10	QPSK	25	12	22.83	23.09	22.92	24.00
10	QPSK	25	25	22.93	22.88	22.85	24.00
10	QPSK	50	0	22.75	23.00	22.85	24.00
10	16QAM	1	0	22.75	22.89	22.83	24.00
10	16QAM	1	25	22.90	23.02	22.73	24.00
10	16QAM	1	49	22.87	22.98	22.93	24.00
10	16QAM	25	0	21.85	22.10	21.99	23.00
10	16QAM	25	12	21.95	21.94	21.77	23.00
10	16QAM	25	25	21.97	21.95	21.86	23.00
10	16QAM	50	0	21.94	22.03	21.81	23.00
10	64QAM	1	0	21.73	22.06	21.78	23.00
10	64QAM	1	25	21.71	21.94	21.86	23.00
10	64QAM	1	49	21.94	21.92	21.71	23.00
10	64QAM	25	0	19.87	20.24	19.89	21.00
10	64QAM	25	12	19.99	20.14	19.77	21.00
10	64QAM	25	25	19.90	20.16	20.00	21.00
10	64QAM	50	0	19.90	20.03	20.16	21.00
10	256QAM	1	0	19.59	19.46	19.40	20.50
10	256QAM	1	25	19.38	19.71	19.44	20.50
10	256QAM	1	49	19.50	19.61	19.34	20.50
10	256QAM	25	0	17.92	18.00	18.00	19.00
10	256QAM	25	12	18.05	18.18	18.03	19.00
10	256QAM	25	25	17.89	18.17	17.95	19.00
10	256QAM	50	0	17.89	18.06	17.89	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.13	23.17	23.19	24.00
5	QPSK	1	12	22.90	22.98	23.06	24.00
5	QPSK	1	24	22.76	23.08	22.89	24.00
5	QPSK	12	0	23.05	23.03	23.02	24.00
5	QPSK	12	7	22.79	22.98	22.87	24.00
5	QPSK	12	13	22.91	22.82	22.85	24.00
5	QPSK	25	0	22.78	23.03	22.78	24.00
5	16QAM	1	0	22.77	22.92	22.79	24.00
5	16QAM	1	12	22.85	22.99	22.68	24.00
5	16QAM	1	24	22.86	22.90	22.80	24.00



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5	16QAM	12	0	21.85	22.13	21.98	23.00
5	16QAM	12	7	21.88	22.03	21.83	23.00
5	16QAM	12	13	21.95	21.92	21.86	23.00
5	16QAM	25	0	21.90	22.00	21.85	23.00
5	64QAM	1	0	21.84	22.14	21.84	23.00
5	64QAM	1	12	21.73	22.04	21.97	23.00
5	64QAM	1	24	21.91	21.88	21.78	23.00
5	64QAM	12	0	19.94	20.20	19.89	21.00
5	64QAM	12	7	19.96	20.17	19.81	21.00
5	64QAM	12	13	19.81	20.13	20.02	21.00
5	64QAM	25	0	19.87	20.03	20.17	21.00
5	256QAM	1	0	19.53	19.47	19.45	20.50
5	256QAM	1	12	19.37	19.65	19.35	20.50
5	256QAM	1	24	19.51	19.52	19.43	20.50
5	256QAM	12	0	17.98	18.00	18.02	19.00
5	256QAM	12	7	18.02	18.20	18.04	19.00
5	256QAM	12	13	17.90	18.06	17.98	19.00
5	256QAM	25	0	17.94	18.06	17.91	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.17	23.17	23.19	24.00
3	QPSK	1	8	22.95	22.89	23.01	24.00
3	QPSK	1	14	22.75	23.02	22.96	24.00
3	QPSK	8	0	23.08	23.05	22.98	24.00
3	QPSK	8	4	22.86	23.06	22.88	24.00
3	QPSK	8	7	22.94	22.88	22.76	24.00
3	QPSK	15	0	22.78	22.95	22.83	24.00
3	16QAM	1	0	22.83	22.83	22.86	24.00
3	16QAM	1	8	22.82	22.93	22.61	24.00
3	16QAM	1	14	22.84	22.98	22.83	24.00
3	16QAM	8	0	21.85	22.20	21.98	23.00
3	16QAM	8	4	21.98	22.05	21.77	23.00
3	16QAM	8	7	21.95	21.96	21.83	23.00
3	16QAM	15	0	21.96	22.11	21.75	23.00
3	64QAM	1	0	21.73	22.10	21.82	23.00
3	64QAM	1	8	21.78	22.04	21.94	23.00
3	64QAM	1	14	21.90	21.93	21.68	23.00
3	64QAM	8	0	19.94	20.19	19.94	21.00
3	64QAM	8	4	19.98	20.12	19.84	21.00
3	64QAM	8	7	19.78	20.16	20.06	21.00
3	64QAM	15	0	19.85	20.12	20.08	21.00
3	256QAM	1	0	19.60	19.46	19.51	20.50
3	256QAM	1	8	19.47	19.61	19.42	20.50
3	256QAM	1	14	19.52	19.49	19.33	20.50
3	256QAM	8	0	18.02	17.97	17.92	19.00
3	256QAM	8	4	18.10	18.18	18.13	19.00
3	256QAM	8	7	17.89	18.07	17.90	19.00
3	256QAM	15	0	17.86	18.10	17.90	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.15	23.11	23.19	24.00
1.4	QPSK	1	3	22.93	22.99	23.04	24.00
1.4	QPSK	1	5	22.69	23.03	22.91	24.00
1.4	QPSK	3	0	23.04	23.07	23.01	24.00
1.4	QPSK	3	1	22.80	23.09	22.94	24.00
1.4	QPSK	3	3	22.97	22.94	22.76	24.00
1.4	QPSK	6	0	21.83	22.03	21.84	23.00
1.4	16QAM	1	0	21.72	21.90	21.88	23.00
1.4	16QAM	1	3	21.88	21.94	21.62	23.00
1.4	16QAM	1	5	21.88	21.98	21.83	23.00
1.4	16QAM	3	0	21.89	22.13	21.98	23.00
1.4	16QAM	3	1	21.89	22.03	21.83	23.00
1.4	16QAM	3	3	21.86	21.90	21.88	23.00
1.4	16QAM	6	0	20.99	21.06	20.78	22.00
1.4	64QAM	1	0	20.79	21.12	20.79	22.00
1.4	64QAM	1	3	20.68	20.99	20.97	22.00
1.4	64QAM	1	5	20.94	20.95	20.72	22.00
1.4	64QAM	3	0	20.97	21.12	20.96	22.00
1.4	64QAM	3	1	20.92	21.16	20.82	22.00
1.4	64QAM	3	3	20.85	21.14	21.04	22.00
1.4	64QAM	6	0	19.87	20.12	20.09	21.00
1.4	256QAM	1	0	18.09	18.01	17.89	19.00
1.4	256QAM	1	3	17.92	18.21	17.91	19.00
1.4	256QAM	1	5	18.01	18.13	17.91	19.00



1.4	256QAM	3	0	18.01	18.03	17.97	19.00
1.4	256QAM	3	1	18.02	18.23	18.13	19.00
1.4	256QAM	3	3	17.89	18.18	18.01	19.00
1.4	256QAM	6	0	17.93	18.12	17.91	19.00

【LTE Band 4_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.16	19.18	19.12	20.30
20	QPSK	1	49	18.91	18.74	18.89	20.30
20	QPSK	1	99	18.89	18.97	18.87	20.30
20	QPSK	50	0	19.00	19.15	18.72	20.30
20	QPSK	50	24	18.90	18.88	19.03	20.30
20	QPSK	50	50	18.83	18.89	18.72	20.30
20	QPSK	100	0	18.87	18.93	18.92	20.30
20	16QAM	1	0	18.91	18.83	18.96	20.30
20	16QAM	1	49	19.02	18.89	18.78	20.30
20	16QAM	1	99	18.93	19.00	18.87	20.30
20	16QAM	50	0	18.86	18.96	18.87	20.30
20	16QAM	50	24	18.85	18.80	18.88	20.30
20	16QAM	50	50	18.84	18.77	18.86	20.30
20	16QAM	100	0	18.78	18.87	18.85	20.30
20	64QAM	1	0	18.97	19.03	18.92	20.30
20	64QAM	1	49	18.99	18.92	18.95	20.30
20	64QAM	1	99	18.82	18.80	18.99	20.30
20	64QAM	50	0	19.01	18.88	18.91	20.30
20	64QAM	50	24	18.73	18.85	18.94	20.30
20	64QAM	50	50	18.92	18.84	18.71	20.30
20	64QAM	100	0	19.13	18.77	18.79	20.30
20	256QAM	1	0	19.01	18.90	18.99	20.30
20	256QAM	1	49	18.76	18.93	18.96	20.30
20	256QAM	1	99	18.89	18.91	19.01	20.30
20	256QAM	50	0	17.50	17.60	17.43	19.00
20	256QAM	50	24	17.58	17.60	17.46	19.00
20	256QAM	50	50	17.45	17.59	17.62	19.00
20	256QAM	100	0	17.45	17.54	17.50	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.11	19.06	19.08	20.30
15	QPSK	1	37	18.81	18.67	18.84	20.30
15	QPSK	1	74	18.79	18.94	18.73	20.30
15	QPSK	36	0	18.88	19.01	18.62	20.30
15	QPSK	36	20	18.84	18.77	18.94	20.30
15	QPSK	36	39	18.75	18.87	18.60	20.30
15	QPSK	75	0	18.75	18.80	18.90	20.30
15	16QAM	1	0	18.79	18.76	18.89	20.30
15	16QAM	1	37	18.92	18.83	18.72	20.30
15	16QAM	1	74	18.89	18.95	18.75	20.30
15	16QAM	36	0	18.78	18.93	18.74	20.30
15	16QAM	36	20	18.77	18.78	18.77	20.30
15	16QAM	36	39	18.75	18.69	18.72	20.30
15	16QAM	75	0	18.67	18.72	18.84	20.30
15	64QAM	1	0	18.90	18.89	18.84	20.30
15	64QAM	1	37	18.96	18.90	18.81	20.30
15	64QAM	1	74	18.71	18.76	18.98	20.30
15	64QAM	36	0	18.96	18.75	18.86	20.30
15	64QAM	36	20	18.71	18.73	18.88	20.30
15	64QAM	36	39	18.86	18.75	18.69	20.30
15	64QAM	75	0	18.99	18.74	18.71	20.30
15	256QAM	1	0	18.97	18.80	18.87	20.30
15	256QAM	1	37	18.62	18.89	18.84	20.30
15	256QAM	1	74	18.78	18.81	18.92	20.30
15	256QAM	36	0	17.40	17.56	17.39	19.00
15	256QAM	36	20	17.54	17.45	17.34	19.00
15	256QAM	36	39	17.31	17.51	17.61	19.00
15	256QAM	75	0	17.40	17.50	17.48	19.00
Channel				20000	20175	20350	Tune-up limit



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Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.04	19.05	19.00	20.30
10	QPSK	1	25	18.90	18.66	18.79	20.30
10	QPSK	1	49	18.81	18.91	18.84	20.30
10	QPSK	25	0	18.86	19.10	18.62	20.30
10	QPSK	25	12	18.75	18.84	18.93	20.30
10	QPSK	25	25	18.78	18.84	18.65	20.30
10	QPSK	50	0	18.83	18.83	18.90	20.30
10	16QAM	1	0	18.79	18.69	18.88	20.30
10	16QAM	1	25	18.96	18.85	18.72	20.30
10	16QAM	1	49	18.84	18.99	18.74	20.30
10	16QAM	25	0	18.83	18.90	18.83	20.30
10	16QAM	25	12	18.75	18.66	18.82	20.30
10	16QAM	25	25	18.71	18.71	18.77	20.30
10	16QAM	50	0	18.63	18.78	18.75	20.30
10	64QAM	1	0	18.92	18.93	18.83	20.30
10	64QAM	1	25	18.89	18.79	18.93	20.30
10	64QAM	1	49	18.71	18.67	18.90	20.30
10	64QAM	25	0	18.88	18.79	18.84	20.30
10	64QAM	25	12	18.70	18.78	18.83	20.30
10	64QAM	25	25	18.85	18.71	18.57	20.30
10	64QAM	50	0	18.98	18.65	18.68	20.30
10	256QAM	1	0	18.88	18.79	18.96	20.30
10	256QAM	1	25	18.67	18.86	18.89	20.30
10	256QAM	1	49	18.77	18.88	18.96	20.30
10	256QAM	25	0	17.38	17.51	17.38	19.00
10	256QAM	25	12	17.44	17.52	17.41	19.00
10	256QAM	25	25	17.37	17.51	17.58	19.00
10	256QAM	50	0	17.33	17.40	17.39	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.03	19.13	19.04	20.30
5	QPSK	1	12	18.88	18.72	18.82	20.30
5	QPSK	1	24	18.77	18.82	18.83	20.30
5	QPSK	12	0	18.89	19.03	18.67	20.30
5	QPSK	12	7	18.75	18.86	18.94	20.30
5	QPSK	12	13	18.68	18.82	18.68	20.30
5	QPSK	25	0	18.76	18.81	18.90	20.30
5	16QAM	1	0	18.78	18.76	18.86	20.30
5	16QAM	1	12	18.91	18.81	18.71	20.30
5	16QAM	1	24	18.79	18.97	18.80	20.30
5	16QAM	12	0	18.83	18.84	18.74	20.30
5	16QAM	12	7	18.80	18.77	18.75	20.30
5	16QAM	12	13	18.72	18.66	18.74	20.30
5	16QAM	25	0	18.75	18.79	18.82	20.30
5	64QAM	1	0	18.90	18.97	18.84	20.30
5	64QAM	1	12	18.91	18.78	18.84	20.30
5	64QAM	1	24	18.74	18.72	18.95	20.30
5	64QAM	12	0	18.99	18.80	18.89	20.30
5	64QAM	12	7	18.64	18.78	18.85	20.30
5	64QAM	12	13	18.88	18.75	18.65	20.30
5	64QAM	25	0	19.11	18.65	18.72	20.30
5	256QAM	1	0	18.86	18.81	18.93	20.30
5	256QAM	1	12	18.66	18.89	18.92	20.30
5	256QAM	1	24	18.77	18.86	18.97	20.30
5	256QAM	12	0	17.38	17.54	17.29	19.00
5	256QAM	12	7	17.57	17.46	17.44	19.00
5	256QAM	12	13	17.34	17.49	17.52	19.00
5	256QAM	25	0	17.38	17.41	17.39	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.08	19.10	19.09	20.30
3	QPSK	1	8	18.89	18.62	18.88	20.30
3	QPSK	1	14	18.78	18.84	18.76	20.30
3	QPSK	8	0	18.89	19.05	18.58	20.30
3	QPSK	8	4	18.89	18.75	18.90	20.30
3	QPSK	8	7	18.69	18.87	18.66	20.30
3	QPSK	15	0	18.81	18.80	18.88	20.30
3	16QAM	1	0	18.83	18.72	18.81	20.30
3	16QAM	1	8	18.99	18.82	18.74	20.30
3	16QAM	1	14	18.91	18.95	18.80	20.30
3	16QAM	8	0	18.84	18.93	18.79	20.30
3	16QAM	8	4	18.75	18.77	18.75	20.30
3	16QAM	8	7	18.70	18.63	18.77	20.30



3	16QAM	15	0	18.67	18.79	18.75	20.30
3	64QAM	1	0	18.90	18.88	18.91	20.30
3	64QAM	1	8	18.97	18.89	18.88	20.30
3	64QAM	1	14	18.69	18.77	18.95	20.30
3	64QAM	8	0	18.97	18.73	18.85	20.30
3	64QAM	8	4	18.68	18.72	18.82	20.30
3	64QAM	8	7	18.79	18.81	18.68	20.30
3	64QAM	15	0	19.05	18.64	18.70	20.30
3	256QAM	1	0	18.87	18.76	18.95	20.30
3	256QAM	1	8	18.70	18.89	18.92	20.30
3	256QAM	1	14	18.81	18.80	18.93	20.30
3	256QAM	8	0	17.44	17.51	17.29	19.00
3	256QAM	8	4	17.47	17.59	17.38	19.00
3	256QAM	8	7	17.38	17.45	17.56	19.00
3	256QAM	15	0	17.36	17.51	17.48	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.15	19.10	19.03	20.30
1.4	QPSK	1	3	18.79	18.66	18.77	20.30
1.4	QPSK	1	5	18.86	18.83	18.75	20.30
1.4	QPSK	3	0	18.94	19.14	18.64	20.30
1.4	QPSK	3	1	18.79	18.81	19.00	20.30
1.4	QPSK	3	3	18.81	18.80	18.60	20.30
1.4	QPSK	6	0	18.85	18.82	18.90	20.30
1.4	16QAM	1	0	18.78	18.76	18.94	20.30
1.4	16QAM	1	3	18.97	18.83	18.73	20.30
1.4	16QAM	1	5	18.82	18.98	18.73	20.30
1.4	16QAM	3	0	18.84	18.87	18.83	20.30
1.4	16QAM	3	1	18.71	18.70	18.83	20.30
1.4	16QAM	3	3	18.80	18.68	18.78	20.30
1.4	16QAM	6	0	18.68	18.76	18.75	20.30
1.4	64QAM	1	0	18.94	18.96	18.87	20.30
1.4	64QAM	1	3	18.85	18.91	18.82	20.30
1.4	64QAM	1	5	18.71	18.73	18.98	20.30
1.4	64QAM	3	0	19.00	18.82	18.88	20.30
1.4	64QAM	3	1	18.61	18.79	18.90	20.30
1.4	64QAM	3	3	18.81	18.80	18.62	20.30
1.4	64QAM	6	0	19.00	18.67	18.70	20.30
1.4	256QAM	1	0	17.65	17.48	17.60	19.00
1.4	256QAM	1	3	17.44	17.57	17.52	19.00
1.4	256QAM	1	5	17.48	17.53	17.68	19.00
1.4	256QAM	3	0	17.40	17.54	17.30	19.00
1.4	256QAM	3	1	17.49	17.54	17.33	19.00
1.4	256QAM	3	3	17.38	17.50	17.56	19.00
1.4	256QAM	6	0	17.33	17.47	17.37	19.00

【LTE Band 5_Ant 0_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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00
10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00



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10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00
5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00
5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00
5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00
3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00
3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00



1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00
1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00
1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00

【LTE Band 5_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00
10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00
10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00
5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00



5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00
5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00
3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00
3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00
1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00
1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00



1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00

【LTE Band 5_Ant 0_DSI 3】

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	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00
10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00
10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00
5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00
5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00



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5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00
3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00
3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00
1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00
1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00
1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00



【LTE Band 5_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00
10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00
10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00
5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00
5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00
5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00



3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00
3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00
1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00
1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00
1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00

【LTE Band 5_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00



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10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00
10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00
5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00
5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00
5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00
3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00



3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00
1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00
1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00
1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00

【LTE Band 5_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.49	23.56	23.52	24.00
10	QPSK	1	25	23.35	23.42	23.24	24.00
10	QPSK	1	49	23.27	23.37	23.23	24.00
10	QPSK	25	0	23.35	23.53	23.27	24.00
10	QPSK	25	12	23.36	23.51	23.42	24.00
10	QPSK	25	25	23.35	23.46	23.33	24.00
10	QPSK	50	0	23.39	23.49	23.34	24.00
10	16QAM	1	0	23.44	23.54	23.36	24.00
10	16QAM	1	25	23.43	23.46	23.41	24.00
10	16QAM	1	49	23.43	23.45	23.45	24.00
10	16QAM	25	0	23.09	23.21	23.03	24.00
10	16QAM	25	12	23.12	23.27	23.07	24.00
10	16QAM	25	25	23.01	23.16	23.00	24.00
10	16QAM	50	0	23.00	23.18	23.06	24.00
10	64QAM	1	0	23.26	23.33	23.12	24.00
10	64QAM	1	25	23.09	23.28	23.09	24.00
10	64QAM	1	49	23.14	23.22	23.11	24.00
10	64QAM	25	0	22.00	22.16	22.04	23.00
10	64QAM	25	12	22.07	22.21	22.11	23.00
10	64QAM	25	25	22.03	22.17	22.03	23.00
10	64QAM	50	0	22.02	22.18	22.10	23.00
10	256QAM	1	0	20.08	20.20	20.00	21.00
10	256QAM	1	25	20.09	20.22	20.06	21.00
10	256QAM	1	49	20.12	20.24	20.15	21.00
10	256QAM	25	0	20.04	20.16	20.00	21.00
10	256QAM	25	12	20.11	20.24	20.16	21.00
10	256QAM	25	25	20.18	20.23	20.06	21.00
10	256QAM	50	0	20.05	20.19	20.07	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.42	23.43	23.37	24.00



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5	QPSK	1	12	23.28	23.35	23.14	24.00
5	QPSK	1	24	23.18	23.28	23.16	24.00
5	QPSK	12	0	23.27	23.41	23.16	24.00
5	QPSK	12	7	23.28	23.45	23.39	24.00
5	QPSK	12	13	23.28	23.39	23.22	24.00
5	QPSK	25	0	23.25	23.39	23.30	24.00
5	16QAM	1	0	23.37	23.42	23.34	24.00
5	16QAM	1	12	23.35	23.54	23.34	24.00
5	16QAM	1	24	23.34	23.53	23.32	24.00
5	16QAM	12	0	23.01	23.17	23.00	24.00
5	16QAM	12	7	23.02	23.22	23.00	24.00
5	16QAM	12	13	23.00	23.15	23.00	24.00
5	16QAM	25	0	23.02	23.16	23.00	24.00
5	64QAM	1	0	23.22	23.23	23.02	24.00
5	64QAM	1	12	23.00	23.18	23.00	24.00
5	64QAM	1	24	23.08	23.16	23.00	24.00
5	64QAM	12	0	22.00	22.06	22.01	23.00
5	64QAM	12	7	22.01	22.12	22.00	23.00
5	64QAM	12	13	22.00	22.02	22.01	23.00
5	64QAM	25	0	22.01	22.10	22.02	23.00
5	256QAM	1	0	20.00	20.14	20.02	21.00
5	256QAM	1	12	20.01	20.21	20.00	21.00
5	256QAM	1	24	20.00	20.18	20.05	21.00
5	256QAM	12	0	20.01	20.06	20.00	21.00
5	256QAM	12	7	20.00	20.14	20.14	21.00
5	256QAM	12	13	20.12	20.11	20.00	21.00
5	256QAM	25	0	20.01	20.10	20.00	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	23.42	23.34	23.38	24.00
3	QPSK	1	8	23.22	23.36	23.18	24.00
3	QPSK	1	14	23.23	23.26	23.11	24.00
3	QPSK	8	0	23.26	23.38	23.23	24.00
3	QPSK	8	4	23.30	23.40	23.32	24.00
3	QPSK	8	7	23.27	23.44	23.21	24.00
3	QPSK	15	0	23.26	23.45	23.23	24.00
3	16QAM	1	0	23.30	23.50	23.35	24.00
3	16QAM	1	8	23.38	23.56	23.31	24.00
3	16QAM	1	14	23.39	23.52	23.31	24.00
3	16QAM	8	0	23.00	23.13	23.01	24.00
3	16QAM	8	4	23.00	23.22	23.00	24.00
3	16QAM	8	7	23.00	23.09	23.00	24.00
3	16QAM	15	0	23.01	23.05	23.01	24.00
3	64QAM	1	0	23.16	23.26	23.00	24.00
3	64QAM	1	8	23.01	23.25	23.02	24.00
3	64QAM	1	14	23.07	23.19	23.00	24.00
3	64QAM	8	0	22.00	22.08	22.00	23.00
3	64QAM	8	4	22.00	22.09	22.06	23.00
3	64QAM	8	7	22.00	22.11	22.01	23.00
3	64QAM	15	0	22.02	22.15	22.03	23.00
3	256QAM	1	0	20.05	20.15	20.00	21.00
3	256QAM	1	8	20.01	20.17	20.00	21.00
3	256QAM	1	14	20.01	20.09	20.14	21.00
3	256QAM	8	0	20.00	20.09	20.00	21.00
3	256QAM	8	4	20.00	20.23	20.04	21.00
3	256QAM	8	7	20.09	20.09	20.00	21.00
3	256QAM	15	0	20.01	20.07	20.04	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	23.43	23.43	23.35	24.00
1.4	QPSK	1	3	23.21	23.35	23.19	24.00
1.4	QPSK	1	5	23.12	23.28	23.14	24.00
1.4	QPSK	3	0	23.27	23.30	23.20	24.00
1.4	QPSK	3	1	23.27	23.40	23.28	24.00
1.4	QPSK	3	3	23.34	23.44	23.27	24.00
1.4	QPSK	6	0	22.35	22.35	22.26	24.00
1.4	16QAM	1	0	22.33	22.45	22.32	24.00
1.4	16QAM	1	3	22.40	22.50	22.27	24.00
1.4	16QAM	1	5	22.39	22.42	22.42	24.00
1.4	16QAM	3	0	22.00	22.07	22.02	24.00
1.4	16QAM	3	1	22.02	22.26	22.01	24.00
1.4	16QAM	3	3	22.00	22.06	22.00	24.00
1.4	16QAM	6	0	22.85	23.03	22.98	24.00
1.4	64QAM	1	0	23.23	23.31	23.10	24.00



1.4	64QAM	1	3	22.96	23.23	23.00	24.00
1.4	64QAM	1	5	23.09	23.15	23.07	24.00
1.4	64QAM	3	0	21.95	22.03	21.94	23.00
1.4	64QAM	3	1	21.94	22.07	21.96	23.00
1.4	64QAM	3	3	21.91	22.05	21.89	23.00
1.4	64QAM	6	0	21.90	22.07	21.97	23.00
1.4	256QAM	1	0	19.96	20.13	19.96	21.00
1.4	256QAM	1	3	19.99	20.11	19.91	21.00
1.4	256QAM	1	5	20.06	20.11	20.05	21.00
1.4	256QAM	3	0	20.03	20.13	19.91	21.00
1.4	256QAM	3	1	20.10	20.18	20.01	21.00
1.4	256QAM	3	3	20.16	20.13	20.00	21.00
1.4	256QAM	6	0	20.01	20.18	19.93	21.00

【LTE Band 5_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				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	23.05	22.89	24.00
10	QPSK	1	25	22.60	22.82	22.65	24.00
10	QPSK	1	49	22.62	22.77	22.61	24.00
10	QPSK	25	0	22.80	23.03	22.80	24.00
10	QPSK	25	12	22.88	23.00	22.85	24.00
10	QPSK	25	25	22.82	22.95	22.79	24.00
10	QPSK	50	0	22.79	22.93	22.78	24.00
10	16QAM	1	0	22.81	23.02	22.80	24.00
10	16QAM	1	25	22.96	22.98	23.01	24.00
10	16QAM	1	49	22.86	22.98	22.79	24.00
10	16QAM	25	0	22.91	23.03	22.93	24.00
10	16QAM	25	12	22.51	22.73	22.58	24.00
10	16QAM	25	25	22.58	22.78	22.61	24.00
10	16QAM	50	0	22.63	22.72	22.54	24.00
10	64QAM	1	0	22.86	23.04	22.82	24.00
10	64QAM	1	25	22.91	23.01	22.97	24.00
10	64QAM	1	49	22.71	22.92	22.82	24.00
10	64QAM	25	0	22.47	22.62	22.50	24.00
10	64QAM	25	12	22.62	22.82	22.70	24.00
10	64QAM	25	25	22.45	22.65	22.51	24.00
10	64QAM	50	0	22.55	22.70	22.48	24.00
10	256QAM	1	0	19.24	19.37	19.19	21.00
10	256QAM	1	25	19.62	19.74	19.61	21.00
10	256QAM	1	49	19.45	19.63	19.52	21.00
10	256QAM	25	0	19.45	19.54	19.33	21.00
10	256QAM	25	12	19.56	19.71	19.61	21.00
10	256QAM	25	25	19.57	19.72	19.58	21.00
10	256QAM	50	0	19.48	19.63	19.42	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.78	23.02	22.80	24.00
5	QPSK	1	12	22.49	22.78	22.55	24.00
5	QPSK	1	24	22.55	22.65	22.52	24.00
5	QPSK	12	0	22.68	22.94	22.69	24.00
5	QPSK	12	7	22.76	22.89	22.76	24.00
5	QPSK	12	13	22.73	22.83	22.75	24.00
5	QPSK	25	0	22.66	22.89	22.69	24.00
5	16QAM	1	0	22.73	22.92	22.69	24.00
5	16QAM	1	12	22.88	22.84	22.90	24.00
5	16QAM	1	24	22.79	22.96	22.76	24.00
5	16QAM	12	0	22.86	23.00	22.83	24.00
5	16QAM	12	7	22.47	22.62	22.54	24.00
5	16QAM	12	13	22.55	22.71	22.58	24.00
5	16QAM	25	0	22.49	22.58	22.39	24.00
5	64QAM	1	0	22.80	22.97	22.78	24.00
5	64QAM	1	12	22.89	22.89	22.86	24.00
5	64QAM	1	24	22.65	22.88	22.73	24.00
5	64QAM	12	0	22.42	22.52	22.48	24.00
5	64QAM	12	7	22.53	22.70	22.67	24.00
5	64QAM	12	13	22.43	22.55	22.41	24.00



5	64QAM	25	0	22.54	22.60	22.37	24.00
5	256QAM	1	0	19.22	19.33	19.05	21.00
5	256QAM	1	12	19.54	19.68	19.50	21.00
5	256QAM	1	24	19.31	19.56	19.50	21.00
5	256QAM	12	0	19.31	19.50	19.26	21.00
5	256QAM	12	7	19.54	19.61	19.48	21.00
5	256QAM	12	13	19.49	19.59	19.47	21.00
5	256QAM	25	0	19.34	19.61	19.38	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.75	23.00	22.78	24.00
3	QPSK	1	8	22.48	22.80	22.56	24.00
3	QPSK	1	14	22.50	22.70	22.60	24.00
3	QPSK	8	0	22.76	22.95	22.70	24.00
3	QPSK	8	4	22.78	22.93	22.76	24.00
3	QPSK	8	7	22.68	22.85	22.74	24.00
3	QPSK	15	0	22.67	22.80	22.75	24.00
3	16QAM	1	0	22.75	22.89	22.73	24.00
3	16QAM	1	8	22.86	22.87	22.95	24.00
3	16QAM	1	14	22.80	22.88	22.77	24.00
3	16QAM	8	0	22.86	22.91	22.88	24.00
3	16QAM	8	4	22.36	22.60	22.49	24.00
3	16QAM	8	7	22.49	22.73	22.50	24.00
3	16QAM	15	0	22.52	22.66	22.42	24.00
3	64QAM	1	0	22.72	22.97	22.80	24.00
3	64QAM	1	8	22.89	22.95	22.96	24.00
3	64QAM	1	14	22.57	22.83	22.68	24.00
3	64QAM	8	0	22.34	22.58	22.48	24.00
3	64QAM	8	4	22.48	22.80	22.64	24.00
3	64QAM	8	7	22.35	22.55	22.45	24.00
3	64QAM	15	0	22.53	22.62	22.44	24.00
3	256QAM	1	0	19.21	19.34	19.17	21.00
3	256QAM	1	8	19.58	19.70	19.48	21.00
3	256QAM	1	14	19.42	19.56	19.48	21.00
3	256QAM	8	0	19.30	19.41	19.30	21.00
3	256QAM	8	4	19.49	19.62	19.52	21.00
3	256QAM	8	7	19.49	19.58	19.43	21.00
3	256QAM	15	0	19.41	19.51	19.38	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.82	22.91	22.84	24.00
1.4	QPSK	1	3	22.52	22.68	22.64	24.00
1.4	QPSK	1	5	22.51	22.75	22.52	24.00
1.4	QPSK	3	0	22.73	23.01	22.78	24.00
1.4	QPSK	3	1	22.82	22.90	22.76	24.00
1.4	QPSK	3	3	22.70	22.84	22.67	24.00
1.4	QPSK	6	0	22.65	22.91	22.76	24.00
1.4	16QAM	1	0	22.74	22.89	22.75	24.00
1.4	16QAM	1	3	22.87	22.91	22.98	24.00
1.4	16QAM	1	5	22.78	22.96	22.68	24.00
1.4	16QAM	3	0	22.85	22.94	22.84	24.00
1.4	16QAM	3	1	22.49	22.63	22.51	24.00
1.4	16QAM	3	3	22.57	22.75	22.54	24.00
1.4	16QAM	6	0	22.48	22.71	22.44	24.00
1.4	64QAM	1	0	22.84	22.93	22.77	24.00
1.4	64QAM	1	3	22.85	22.95	22.87	24.00
1.4	64QAM	1	5	22.60	22.86	22.75	24.00
1.4	64QAM	3	0	22.35	22.52	22.40	24.00
1.4	64QAM	3	1	22.53	22.78	22.65	24.00
1.4	64QAM	3	3	22.32	22.57	22.45	24.00
1.4	64QAM	6	0	22.48	22.66	22.36	24.00
1.4	256QAM	1	0	19.20	19.33	19.11	21.00
1.4	256QAM	1	3	19.56	19.67	19.51	21.00
1.4	256QAM	1	5	19.33	19.61	19.46	21.00
1.4	256QAM	3	0	19.30	19.43	19.21	21.00
1.4	256QAM	3	1	19.44	19.56	19.50	21.00
1.4	256QAM	3	3	19.51	19.68	19.54	21.00
1.4	256QAM	6	0	19.39	19.50	19.30	21.00



【LTE Band 5_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.80	20.82	20.67	21.90
10	QPSK	1	25	20.67	20.76	20.78	21.90
10	QPSK	1	49	20.56	20.81	20.69	21.90
10	QPSK	25	0	20.49	20.78	20.52	21.90
10	QPSK	25	12	20.58	20.70	20.56	21.90
10	QPSK	25	25	20.49	20.72	20.66	21.90
10	QPSK	50	0	20.55	20.80	20.53	21.90
10	16QAM	1	0	20.43	20.62	20.66	21.90
10	16QAM	1	25	20.57	20.59	20.51	21.90
10	16QAM	1	49	20.41	20.68	20.51	21.90
10	16QAM	25	0	20.37	20.76	20.48	21.90
10	16QAM	25	12	20.51	20.64	20.69	21.90
10	16QAM	25	25	20.46	20.66	20.67	21.90
10	16QAM	50	0	20.47	20.65	20.57	21.90
10	64QAM	1	0	20.51	20.71	20.54	21.90
10	64QAM	1	25	20.36	20.71	20.66	21.90
10	64QAM	1	49	20.46	20.71	20.50	21.90
10	64QAM	25	0	20.38	20.66	20.57	21.90
10	64QAM	25	12	20.65	20.65	20.54	21.90
10	64QAM	25	25	20.40	20.57	20.37	21.90
10	64QAM	50	0	20.40	20.62	20.49	21.90
10	256QAM	1	0	19.86	19.79	19.78	21.00
10	256QAM	1	25	19.69	19.83	19.76	21.00
10	256QAM	1	49	19.52	19.92	19.65	21.00
10	256QAM	25	0	19.81	19.95	19.70	21.00
10	256QAM	25	12	19.67	19.96	19.70	21.00
10	256QAM	25	25	19.71	19.75	19.80	21.00
10	256QAM	50	0	19.67	19.75	19.55	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.72	20.73	20.55	21.90
5	QPSK	1	12	20.53	20.74	20.75	21.90
5	QPSK	1	24	20.41	20.73	20.65	21.90
5	QPSK	12	0	20.40	20.72	20.43	21.90
5	QPSK	12	7	20.55	20.58	20.53	21.90
5	QPSK	12	13	20.41	20.59	20.53	21.90
5	QPSK	25	0	20.48	20.78	20.46	21.90
5	16QAM	1	0	20.37	20.59	20.52	21.90
5	16QAM	1	12	20.50	20.46	20.47	21.90
5	16QAM	1	24	20.38	20.60	20.43	21.90
5	16QAM	12	0	20.36	20.67	20.33	21.90
5	16QAM	12	7	20.43	20.57	20.57	21.90
5	16QAM	12	13	20.39	20.52	20.54	21.90
5	16QAM	25	0	20.43	20.60	20.49	21.90
5	64QAM	1	0	20.37	20.59	20.48	21.90
5	64QAM	1	12	20.24	20.62	20.52	21.90
5	64QAM	1	24	20.31	20.61	20.40	21.90
5	64QAM	12	0	20.33	20.53	20.43	21.90
5	64QAM	12	7	20.50	20.51	20.46	21.90
5	64QAM	12	13	20.26	20.52	20.36	21.90
5	64QAM	25	0	20.38	20.60	20.35	21.90
5	256QAM	1	0	19.73	19.65	19.66	21.00
5	256QAM	1	12	19.68	19.74	19.63	21.00
5	256QAM	1	24	19.50	19.82	19.58	21.00
5	256QAM	12	0	19.76	19.84	19.62	21.00
5	256QAM	12	7	19.62	19.83	19.56	21.00
5	256QAM	12	13	19.61	19.62	19.67	21.00
5	256QAM	25	0	19.53	19.65	19.49	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.69	20.75	20.59	21.90
3	QPSK	1	8	20.57	20.65	20.65	21.90
3	QPSK	1	14	20.46	20.67	20.61	21.90
3	QPSK	8	0	20.39	20.74	20.43	21.90
3	QPSK	8	4	20.44	20.68	20.50	21.90
3	QPSK	8	7	20.38	20.70	20.62	21.90
3	QPSK	15	0	20.51	20.76	20.46	21.90



3	16QAM	1	0	20.32	20.48	20.52	21.90
3	16QAM	1	8	20.54	20.49	20.43	21.90
3	16QAM	1	14	20.35	20.64	20.49	21.90
3	16QAM	8	0	20.32	20.66	20.36	21.90
3	16QAM	8	4	20.47	20.53	20.68	21.90
3	16QAM	8	7	20.36	20.55	20.55	21.90
3	16QAM	15	0	20.42	20.58	20.55	21.90
3	64QAM	1	0	20.37	20.59	20.47	21.90
3	64QAM	1	8	20.33	20.61	20.61	21.90
3	64QAM	1	14	20.32	20.57	20.39	21.90
3	64QAM	8	0	20.35	20.62	20.53	21.90
3	64QAM	8	4	20.64	20.59	20.45	21.90
3	64QAM	8	7	20.28	20.53	20.27	21.90
3	64QAM	15	0	20.32	20.53	20.38	21.90
3	256QAM	1	0	19.75	19.74	19.68	21.00
3	256QAM	1	8	19.64	19.78	19.61	21.00
3	256QAM	1	14	19.42	19.81	19.58	21.00
3	256QAM	8	0	19.71	19.94	19.61	21.00
3	256QAM	8	4	19.62	19.92	19.68	21.00
3	256QAM	8	7	19.68	19.68	19.74	21.00
3	256QAM	15	0	19.61	19.61	19.51	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.68	20.68	20.62	21.90
1.4	QPSK	1	3	20.60	20.69	20.63	21.90
1.4	QPSK	1	5	20.48	20.72	20.64	21.90
1.4	QPSK	3	0	20.35	20.66	20.51	21.90
1.4	QPSK	3	1	20.49	20.62	20.47	21.90
1.4	QPSK	3	3	20.43	20.67	20.62	21.90
1.4	QPSK	6	0	20.48	20.67	20.50	21.90
1.4	16QAM	1	0	20.35	20.54	20.58	21.90
1.4	16QAM	1	3	20.53	20.55	20.40	21.90
1.4	16QAM	1	5	20.28	20.60	20.40	21.90
1.4	16QAM	3	0	20.27	20.73	20.41	21.90
1.4	16QAM	3	1	20.38	20.50	20.56	21.90
1.4	16QAM	3	3	20.36	20.62	20.64	21.90
1.4	16QAM	6	0	20.43	20.60	20.46	21.90
1.4	64QAM	1	0	20.43	20.67	20.50	21.90
1.4	64QAM	1	3	20.32	20.61	20.61	21.90
1.4	64QAM	1	5	20.38	20.65	20.47	21.90
1.4	64QAM	3	0	20.36	20.62	20.55	21.90
1.4	64QAM	3	1	20.63	20.58	20.42	21.90
1.4	64QAM	3	3	20.30	20.48	20.28	21.90
1.4	64QAM	6	0	20.30	20.59	20.34	21.90
1.4	256QAM	1	0	19.79	19.72	19.75	21.00
1.4	256QAM	1	3	19.59	19.81	19.62	21.00
1.4	256QAM	1	5	19.45	19.87	19.51	21.00
1.4	256QAM	3	0	19.68	19.82	19.59	21.00
1.4	256QAM	3	1	19.53	19.87	19.62	21.00
1.4	256QAM	3	3	19.64	19.73	19.68	21.00
1.4	256QAM	6	0	19.58	19.66	19.41	21.00

【LTE Band 5_Ant 1_DSI 3】

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	20.69	20.84	20.51	22.10
10	QPSK	1	25	20.43	20.60	20.44	22.10
10	QPSK	1	49	20.48	20.48	20.52	22.10
10	QPSK	25	0	20.59	20.83	20.71	22.10
10	QPSK	25	12	20.69	20.65	20.76	22.10
10	QPSK	25	25	20.72	20.39	20.63	22.10
10	QPSK	50	0	20.53	20.40	20.47	22.10
10	16QAM	1	0	20.63	20.65	20.54	22.10
10	16QAM	1	25	20.47	20.50	20.53	22.10
10	16QAM	1	49	20.61	20.65	20.71	22.10
10	16QAM	25	0	20.62	20.58	20.61	22.10
10	16QAM	25	12	20.53	20.56	20.61	22.10



FCC SAR Test Report

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10	16QAM	25	25	20.65	20.57	20.43	22.10
10	16QAM	50	0	20.66	20.62	20.67	22.10
10	64QAM	1	0	20.63	20.49	20.50	22.10
10	64QAM	1	25	20.58	20.68	20.64	22.10
10	64QAM	1	49	20.45	20.72	20.61	22.10
10	64QAM	25	0	20.72	20.75	20.58	22.10
10	64QAM	25	12	20.58	20.56	20.62	22.10
10	64QAM	25	25	20.53	20.59	20.53	22.10
10	64QAM	50	0	20.71	20.37	20.67	22.10
10	256QAM	1	0	19.41	19.28	19.29	21.00
10	256QAM	1	25	19.32	19.29	19.38	21.00
10	256QAM	1	49	19.40	19.30	19.41	21.00
10	256QAM	25	0	19.23	19.26	19.32	21.00
10	256QAM	25	12	19.12	19.21	19.37	21.00
10	256QAM	25	25	19.34	19.39	19.13	21.00
10	256QAM	50	0	19.09	19.21	19.14	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.59	20.81	20.38	22.10
5	QPSK	1	12	20.40	20.48	20.34	22.10
5	QPSK	1	24	20.44	20.34	20.38	22.10
5	QPSK	12	0	20.58	20.71	20.61	22.10
5	QPSK	12	7	20.65	20.53	20.64	22.10
5	QPSK	12	13	20.68	20.31	20.55	22.10
5	QPSK	25	0	20.48	20.36	20.38	22.10
5	16QAM	1	0	20.55	20.55	20.48	22.10
5	16QAM	1	12	20.45	20.39	20.46	22.10
5	16QAM	1	24	20.47	20.63	20.63	22.10
5	16QAM	12	0	20.49	20.51	20.57	22.10
5	16QAM	12	7	20.45	20.50	20.50	22.10
5	16QAM	12	13	20.64	20.48	20.34	22.10
5	16QAM	25	0	20.56	20.60	20.61	22.10
5	64QAM	1	0	20.54	20.42	20.48	22.10
5	64QAM	1	12	20.46	20.62	20.62	22.10
5	64QAM	1	24	20.40	20.64	20.54	22.10
5	64QAM	12	0	20.65	20.66	20.55	22.10
5	64QAM	12	7	20.55	20.42	20.53	22.10
5	64QAM	12	13	20.50	20.51	20.38	22.10
5	64QAM	25	0	20.65	20.30	20.58	22.10
5	256QAM	1	0	19.26	19.18	19.24	21.00
5	256QAM	1	12	19.26	19.19	19.28	21.00
5	256QAM	1	24	19.29	19.24	19.37	21.00
5	256QAM	12	0	19.12	19.14	19.19	21.00
5	256QAM	12	7	19.07	19.14	19.36	21.00
5	256QAM	12	13	19.30	19.33	19.04	21.00
5	256QAM	25	0	19.01	19.15	19.09	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.64	20.80	20.43	22.10
3	QPSK	1	8	20.35	20.54	20.29	22.10
3	QPSK	1	14	20.42	20.39	20.44	22.10
3	QPSK	8	0	20.48	20.76	20.59	22.10
3	QPSK	8	4	20.67	20.62	20.68	22.10
3	QPSK	8	7	20.66	20.25	20.60	22.10
3	QPSK	15	0	20.48	20.28	20.45	22.10
3	16QAM	1	0	20.61	20.51	20.39	22.10
3	16QAM	1	8	20.44	20.45	20.39	22.10
3	16QAM	1	14	20.59	20.56	20.69	22.10
3	16QAM	8	0	20.53	20.52	20.50	22.10
3	16QAM	8	4	20.44	20.53	20.59	22.10
3	16QAM	8	7	20.50	20.52	20.36	22.10
3	16QAM	15	0	20.62	20.49	20.63	22.10
3	64QAM	1	0	20.61	20.47	20.36	22.10
3	64QAM	1	8	20.50	20.66	20.61	22.10
3	64QAM	1	14	20.32	20.65	20.56	22.10
3	64QAM	8	0	20.64	20.71	20.45	22.10
3	64QAM	8	4	20.50	20.51	20.58	22.10
3	64QAM	8	7	20.44	20.50	20.44	22.10
3	64QAM	15	0	20.57	20.33	20.64	22.10
3	256QAM	1	0	19.28	19.22	19.15	21.00
3	256QAM	1	8	19.26	19.26	19.34	21.00
3	256QAM	1	14	19.31	19.27	19.31	21.00
3	256QAM	8	0	19.11	19.21	19.26	21.00
3	256QAM	8	4	19.01	19.15	19.33	21.00



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3	256QAM	8	7	19.20	19.38	19.02	21.00
3	256QAM	15	0	19.05	19.13	19.07	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.67	20.76	20.48	22.10
1.4	QPSK	1	3	20.30	20.50	20.41	22.10
1.4	QPSK	1	5	20.44	20.42	20.41	22.10
1.4	QPSK	3	0	20.57	20.73	20.56	22.10
1.4	QPSK	3	1	20.57	20.63	20.65	22.10
1.4	QPSK	3	3	20.59	20.32	20.59	22.10
1.4	QPSK	6	0	20.43	20.36	20.39	22.10
1.4	16QAM	1	0	20.52	20.58	20.47	22.10
1.4	16QAM	1	3	20.42	20.42	20.47	22.10
1.4	16QAM	1	5	20.55	20.56	20.61	22.10
1.4	16QAM	3	0	20.58	20.44	20.55	22.10
1.4	16QAM	3	1	20.38	20.54	20.52	22.10
1.4	16QAM	3	3	20.52	20.47	20.33	22.10
1.4	16QAM	6	0	20.53	20.56	20.59	22.10
1.4	64QAM	1	0	20.56	20.46	20.41	22.10
1.4	64QAM	1	3	20.45	20.61	20.61	22.10
1.4	64QAM	1	5	20.31	20.71	20.46	22.10
1.4	64QAM	3	0	20.61	20.65	20.45	22.10
1.4	64QAM	3	1	20.47	20.50	20.55	22.10
1.4	64QAM	3	3	20.39	20.46	20.44	22.10
1.4	64QAM	6	0	20.68	20.23	20.61	22.10
1.4	256QAM	1	0	19.32	19.26	19.22	21.00
1.4	256QAM	1	3	19.24	19.25	19.34	21.00
1.4	256QAM	1	5	19.25	19.16	19.38	21.00
1.4	256QAM	3	0	19.16	19.22	19.24	21.00
1.4	256QAM	3	1	19.01	19.09	19.33	21.00
1.4	256QAM	3	3	19.20	19.27	19.01	21.00
1.4	256QAM	6	0	19.05	19.14	19.01	21.00

【LTE Band 5_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.90	23.05	22.89	24.00
10	QPSK	1	25	22.60	22.82	22.65	24.00
10	QPSK	1	49	22.62	22.77	22.61	24.00
10	QPSK	25	0	22.80	23.03	22.80	24.00
10	QPSK	25	12	22.88	23.00	22.85	24.00
10	QPSK	25	25	22.82	22.95	22.79	24.00
10	QPSK	50	0	22.79	22.93	22.78	24.00
10	16QAM	1	0	22.81	23.02	22.80	24.00
10	16QAM	1	25	22.96	22.98	23.01	24.00
10	16QAM	1	49	22.86	22.98	22.79	24.00
10	16QAM	25	0	22.91	23.03	22.93	24.00
10	16QAM	25	12	22.51	22.73	22.58	24.00
10	16QAM	25	25	22.58	22.78	22.61	24.00
10	16QAM	50	0	22.63	22.72	22.54	24.00
10	64QAM	1	0	22.86	23.04	22.82	24.00
10	64QAM	1	25	22.91	23.01	22.97	24.00
10	64QAM	1	49	22.71	22.92	22.82	24.00
10	64QAM	25	0	22.47	22.62	22.50	24.00
10	64QAM	25	12	22.62	22.82	22.70	24.00
10	64QAM	25	25	22.45	22.65	22.51	24.00
10	64QAM	50	0	22.55	22.70	22.48	24.00
10	256QAM	1	0	19.24	19.37	19.19	21.00
10	256QAM	1	25	19.62	19.74	19.61	21.00
10	256QAM	1	49	19.45	19.63	19.52	21.00
10	256QAM	25	0	19.45	19.54	19.33	21.00
10	256QAM	25	12	19.56	19.71	19.61	21.00
10	256QAM	25	25	19.57	19.72	19.58	21.00
10	256QAM	50	0	19.48	19.63	19.42	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.78	23.02	22.80	24.00



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5	QPSK	1	12	22.49	22.78	22.55	24.00
5	QPSK	1	24	22.55	22.65	22.52	24.00
5	QPSK	12	0	22.68	22.94	22.69	24.00
5	QPSK	12	7	22.76	22.89	22.76	24.00
5	QPSK	12	13	22.73	22.83	22.75	24.00
5	QPSK	25	0	22.66	22.89	22.69	24.00
5	16QAM	1	0	22.73	22.92	22.69	24.00
5	16QAM	1	12	22.88	22.84	22.90	24.00
5	16QAM	1	24	22.79	22.96	22.76	24.00
5	16QAM	12	0	22.86	23.00	22.83	24.00
5	16QAM	12	7	22.47	22.62	22.54	24.00
5	16QAM	12	13	22.55	22.71	22.58	24.00
5	16QAM	25	0	22.49	22.58	22.39	24.00
5	64QAM	1	0	22.80	22.97	22.78	24.00
5	64QAM	1	12	22.89	22.89	22.86	24.00
5	64QAM	1	24	22.65	22.88	22.73	24.00
5	64QAM	12	0	22.42	22.52	22.48	24.00
5	64QAM	12	7	22.53	22.70	22.67	24.00
5	64QAM	12	13	22.43	22.55	22.41	24.00
5	64QAM	25	0	22.54	22.60	22.37	24.00
5	256QAM	1	0	19.22	19.33	19.05	21.00
5	256QAM	1	12	19.54	19.68	19.50	21.00
5	256QAM	1	24	19.31	19.56	19.50	21.00
5	256QAM	12	0	19.31	19.50	19.26	21.00
5	256QAM	12	7	19.54	19.61	19.48	21.00
5	256QAM	12	13	19.49	19.59	19.47	21.00
5	256QAM	25	0	19.34	19.61	19.38	21.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.75	23.00	22.78	24.00
3	QPSK	1	8	22.48	22.80	22.56	24.00
3	QPSK	1	14	22.50	22.70	22.60	24.00
3	QPSK	8	0	22.76	22.95	22.70	24.00
3	QPSK	8	4	22.78	22.93	22.76	24.00
3	QPSK	8	7	22.68	22.85	22.74	24.00
3	QPSK	15	0	22.67	22.80	22.75	24.00
3	16QAM	1	0	22.75	22.89	22.73	24.00
3	16QAM	1	8	22.86	22.87	22.95	24.00
3	16QAM	1	14	22.80	22.88	22.77	24.00
3	16QAM	8	0	22.86	22.91	22.88	24.00
3	16QAM	8	4	22.36	22.60	22.49	24.00
3	16QAM	8	7	22.49	22.73	22.50	24.00
3	16QAM	15	0	22.52	22.66	22.42	24.00
3	64QAM	1	0	22.72	22.97	22.80	24.00
3	64QAM	1	8	22.89	22.95	22.96	24.00
3	64QAM	1	14	22.57	22.83	22.68	24.00
3	64QAM	8	0	22.34	22.58	22.48	24.00
3	64QAM	8	4	22.48	22.80	22.64	24.00
3	64QAM	8	7	22.35	22.55	22.45	24.00
3	64QAM	15	0	22.53	22.62	22.44	24.00
3	256QAM	1	0	19.21	19.34	19.17	21.00
3	256QAM	1	8	19.58	19.70	19.48	21.00
3	256QAM	1	14	19.42	19.56	19.48	21.00
3	256QAM	8	0	19.30	19.41	19.30	21.00
3	256QAM	8	4	19.49	19.62	19.52	21.00
3	256QAM	8	7	19.49	19.58	19.43	21.00
3	256QAM	15	0	19.41	19.51	19.38	21.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.82	22.91	22.84	24.00
1.4	QPSK	1	3	22.52	22.68	22.64	24.00
1.4	QPSK	1	5	22.51	22.75	22.52	24.00
1.4	QPSK	3	0	22.73	23.01	22.78	24.00
1.4	QPSK	3	1	22.82	22.90	22.76	24.00
1.4	QPSK	3	3	22.70	22.84	22.67	24.00
1.4	QPSK	6	0	22.65	22.91	22.76	24.00
1.4	16QAM	1	0	22.74	22.89	22.75	24.00
1.4	16QAM	1	3	22.87	22.91	22.98	24.00
1.4	16QAM	1	5	22.78	22.96	22.68	24.00
1.4	16QAM	3	0	22.85	22.94	22.84	24.00
1.4	16QAM	3	1	22.49	22.63	22.51	24.00
1.4	16QAM	3	3	22.57	22.75	22.54	24.00
1.4	16QAM	6	0	22.48	22.71	22.44	24.00
1.4	64QAM	1	0	22.84	22.93	22.77	24.00



1.4	64QAM	1	3	22.85	22.95	22.87	24.00
1.4	64QAM	1	5	22.60	22.86	22.75	24.00
1.4	64QAM	3	0	22.35	22.52	22.40	24.00
1.4	64QAM	3	1	22.53	22.78	22.65	24.00
1.4	64QAM	3	3	22.32	22.57	22.45	24.00
1.4	64QAM	6	0	22.48	22.66	22.36	24.00
1.4	256QAM	1	0	19.20	19.33	19.11	21.00
1.4	256QAM	1	3	19.56	19.67	19.51	21.00
1.4	256QAM	1	5	19.33	19.61	19.46	21.00
1.4	256QAM	3	0	19.30	19.43	19.21	21.00
1.4	256QAM	3	1	19.44	19.56	19.50	21.00
1.4	256QAM	3	3	19.51	19.68	19.54	21.00
1.4	256QAM	6	0	19.39	19.50	19.30	21.00

【LTE Band 5_Ant 1_DSI 6】

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	22.90	23.05	22.89	24.00
10	QPSK	1	25	22.60	22.82	22.65	24.00
10	QPSK	1	49	22.62	22.77	22.61	24.00
10	QPSK	25	0	22.80	23.03	22.80	24.00
10	QPSK	25	12	22.88	23.00	22.85	24.00
10	QPSK	25	25	22.82	22.95	22.79	24.00
10	QPSK	50	0	22.79	22.93	22.78	24.00
10	16QAM	1	0	22.81	23.02	22.80	24.00
10	16QAM	1	25	22.96	22.98	23.01	24.00
10	16QAM	1	49	22.86	22.98	22.79	24.00
10	16QAM	25	0	22.91	23.03	22.93	24.00
10	16QAM	25	12	22.51	22.73	22.58	24.00
10	16QAM	25	25	22.58	22.78	22.61	24.00
10	16QAM	50	0	22.63	22.72	22.54	24.00
10	64QAM	1	0	22.86	23.04	22.82	24.00
10	64QAM	1	25	22.91	23.01	22.97	24.00
10	64QAM	1	49	22.71	22.92	22.82	24.00
10	64QAM	25	0	22.47	22.62	22.50	24.00
10	64QAM	25	12	22.62	22.82	22.70	24.00
10	64QAM	25	25	22.45	22.65	22.51	24.00
10	64QAM	50	0	22.55	22.70	22.48	24.00
10	256QAM	1	0	19.24	19.37	19.19	21.00
10	256QAM	1	25	19.62	19.74	19.61	21.00
10	256QAM	1	49	19.45	19.63	19.52	21.00
10	256QAM	25	0	19.45	19.54	19.33	21.00
10	256QAM	25	12	19.56	19.71	19.61	21.00
10	256QAM	25	25	19.57	19.72	19.58	21.00
10	256QAM	50	0	19.48	19.63	19.42	21.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.78	23.02	22.80	24.00
5	QPSK	1	12	22.49	22.78	22.55	24.00
5	QPSK	1	24	22.55	22.65	22.52	24.00
5	QPSK	12	0	22.68	22.94	22.69	24.00
5	QPSK	12	7	22.76	22.89	22.76	24.00
5	QPSK	12	13	22.73	22.83	22.75	24.00
5	QPSK	25	0	22.66	22.89	22.69	24.00
5	16QAM	1	0	22.73	22.92	22.69	24.00
5	16QAM	1	12	22.88	22.84	22.90	24.00
5	16QAM	1	24	22.79	22.96	22.76	24.00
5	16QAM	12	0	22.86	23.00	22.83	24.00
5	16QAM	12	7	22.47	22.62	22.54	24.00
5	16QAM	12	13	22.55	22.71	22.58	24.00
5	16QAM	25	0	22.49	22.58	22.39	24.00
5	64QAM	1	0	22.80	22.97	22.78	24.00
5	64QAM	1	12	22.89	22.89	22.86	24.00
5	64QAM	1	24	22.65	22.88	22.73	24.00
5	64QAM	12	0	22.42	22.52	22.48	24.00
5	64QAM	12	7	22.53	22.70	22.67	24.00
5	64QAM	12	13	22.43	22.55	22.41	24.00



5	64QAM	25	0	22.54	22.60	22.37	24.00
5	256QAM	1	0	19.22	19.33	19.05	21.00
5	256QAM	1	12	19.54	19.68	19.50	21.00
5	256QAM	1	24	19.31	19.56	19.50	21.00
5	256QAM	12	0	19.31	19.50	19.26	21.00
5	256QAM	12	7	19.54	19.61	19.48	21.00
5	256QAM	12	13	19.49	19.59	19.47	21.00
5	256QAM	25	0	19.34	19.61	19.38	21.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.75	23.00	22.78	24.00
3	QPSK	1	8	22.48	22.80	22.56	24.00
3	QPSK	1	14	22.50	22.70	22.60	24.00
3	QPSK	8	0	22.76	22.95	22.70	24.00
3	QPSK	8	4	22.78	22.93	22.76	24.00
3	QPSK	8	7	22.68	22.85	22.74	24.00
3	QPSK	15	0	22.67	22.80	22.75	24.00
3	16QAM	1	0	22.75	22.89	22.73	24.00
3	16QAM	1	8	22.86	22.87	22.95	24.00
3	16QAM	1	14	22.80	22.88	22.77	24.00
3	16QAM	8	0	22.86	22.91	22.88	24.00
3	16QAM	8	4	22.36	22.60	22.49	24.00
3	16QAM	8	7	22.49	22.73	22.50	24.00
3	16QAM	15	0	22.52	22.66	22.42	24.00
3	64QAM	1	0	22.72	22.97	22.80	24.00
3	64QAM	1	8	22.89	22.95	22.96	24.00
3	64QAM	1	14	22.57	22.83	22.68	24.00
3	64QAM	8	0	22.34	22.58	22.48	24.00
3	64QAM	8	4	22.48	22.80	22.64	24.00
3	64QAM	8	7	22.35	22.55	22.45	24.00
3	64QAM	15	0	22.53	22.62	22.44	24.00
3	256QAM	1	0	19.21	19.34	19.17	21.00
3	256QAM	1	8	19.58	19.70	19.48	21.00
3	256QAM	1	14	19.42	19.56	19.48	21.00
3	256QAM	8	0	19.30	19.41	19.30	21.00
3	256QAM	8	4	19.49	19.62	19.52	21.00
3	256QAM	8	7	19.49	19.58	19.43	21.00
3	256QAM	15	0	19.41	19.51	19.38	21.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.82	22.91	22.84	24.00
1.4	QPSK	1	3	22.52	22.68	22.64	24.00
1.4	QPSK	1	5	22.51	22.75	22.52	24.00
1.4	QPSK	3	0	22.73	23.01	22.78	24.00
1.4	QPSK	3	1	22.82	22.90	22.76	24.00
1.4	QPSK	3	3	22.70	22.84	22.67	24.00
1.4	QPSK	6	0	22.65	22.91	22.76	24.00
1.4	16QAM	1	0	22.74	22.89	22.75	24.00
1.4	16QAM	1	3	22.87	22.91	22.98	24.00
1.4	16QAM	1	5	22.78	22.96	22.68	24.00
1.4	16QAM	3	0	22.85	22.94	22.84	24.00
1.4	16QAM	3	1	22.49	22.63	22.51	24.00
1.4	16QAM	3	3	22.57	22.75	22.54	24.00
1.4	16QAM	6	0	22.48	22.71	22.44	24.00
1.4	64QAM	1	0	22.84	22.93	22.77	24.00
1.4	64QAM	1	3	22.85	22.95	22.87	24.00
1.4	64QAM	1	5	22.60	22.86	22.75	24.00
1.4	64QAM	3	0	22.35	22.52	22.40	24.00
1.4	64QAM	3	1	22.53	22.78	22.65	24.00
1.4	64QAM	3	3	22.32	22.57	22.45	24.00
1.4	64QAM	6	0	22.48	22.66	22.36	24.00
1.4	256QAM	1	0	19.20	19.33	19.11	21.00
1.4	256QAM	1	3	19.56	19.67	19.51	21.00
1.4	256QAM	1	5	19.33	19.61	19.46	21.00
1.4	256QAM	3	0	19.30	19.43	19.21	21.00
1.4	256QAM	3	1	19.44	19.56	19.50	21.00
1.4	256QAM	3	3	19.51	19.68	19.54	21.00
1.4	256QAM	6	0	19.39	19.50	19.30	21.00



【LTE Band 5_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	18.63	18.65	18.61	19.90
10	QPSK	1	25	18.51	18.62	18.62	19.90
10	QPSK	1	49	18.41	18.56	18.39	19.90
10	QPSK	25	0	18.47	18.63	18.46	19.90
10	QPSK	25	12	18.55	18.57	18.47	19.90
10	QPSK	25	25	18.40	18.50	18.49	19.90
10	QPSK	50	0	18.48	18.45	18.53	19.90
10	16QAM	1	0	18.53	18.45	18.41	19.90
10	16QAM	1	25	18.49	18.49	18.48	19.90
10	16QAM	1	49	18.49	18.60	18.42	19.90
10	16QAM	25	0	18.43	18.57	18.45	19.90
10	16QAM	25	12	18.52	18.62	18.42	19.90
10	16QAM	25	25	18.40	18.49	18.58	19.90
10	16QAM	50	0	18.61	18.56	18.40	19.90
10	64QAM	1	0	18.51	18.47	18.55	19.90
10	64QAM	1	25	18.56	18.44	18.43	19.90
10	64QAM	1	49	18.54	18.45	18.53	19.90
10	64QAM	25	0	18.40	18.45	18.57	19.90
10	64QAM	25	12	18.61	18.43	18.60	19.90
10	64QAM	25	25	18.44	18.40	18.47	19.90
10	64QAM	50	0	18.57	18.39	18.48	19.90
10	256QAM	1	0	18.49	18.47	18.45	19.90
10	256QAM	1	25	18.48	18.49	18.55	19.90
10	256QAM	1	49	18.51	18.62	18.62	19.90
10	256QAM	25	0	18.41	18.56	18.39	19.90
10	256QAM	25	12	18.47	18.52	18.46	19.90
10	256QAM	25	25	18.55	18.57	18.47	19.90
10	256QAM	50	0	18.40	18.50	18.49	19.90
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	18.58	18.56	18.50	19.90
5	QPSK	1	12	18.41	18.54	18.56	19.90
5	QPSK	1	24	18.32	18.47	18.35	19.90
5	QPSK	12	0	18.43	18.56	18.34	19.90
5	QPSK	12	7	18.45	18.46	18.32	19.90
5	QPSK	12	13	18.36	18.47	18.41	19.90
5	QPSK	25	0	18.35	18.31	18.50	19.90
5	16QAM	1	0	18.51	18.33	18.31	19.90
5	16QAM	1	12	18.38	18.43	18.33	19.90
5	16QAM	1	24	18.38	18.53	18.33	19.90
5	16QAM	12	0	18.41	18.45	18.40	19.90
5	16QAM	12	7	18.44	18.60	18.40	19.90
5	16QAM	12	13	18.25	18.45	18.45	19.90
5	16QAM	25	0	18.47	18.42	18.38	19.90
5	64QAM	1	0	18.37	18.38	18.48	19.90
5	64QAM	1	12	18.51	18.32	18.31	19.90
5	64QAM	1	24	18.49	18.31	18.48	19.90
5	64QAM	12	0	18.39	18.41	18.43	19.90
5	64QAM	12	7	18.47	18.34	18.50	19.90
5	64QAM	12	13	18.30	18.35	18.36	19.90
5	64QAM	25	0	18.53	18.27	18.47	19.90
5	256QAM	1	0	18.43	18.35	18.39	19.90
5	256QAM	1	12	18.38	18.39	18.45	19.90
5	256QAM	1	24	18.45	18.53	18.56	19.90
5	256QAM	12	0	18.37	18.42	18.25	19.90
5	256QAM	12	7	18.32	18.44	18.41	19.90
5	256QAM	12	13	18.43	18.54	18.37	19.90
5	256QAM	25	0	18.37	18.47	18.43	19.90
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	18.53	18.58	18.60	19.90
3	QPSK	1	8	18.38	18.48	18.55	19.90
3	QPSK	1	14	18.38	18.47	18.29	19.90
3	QPSK	8	0	18.38	18.60	18.44	19.90
3	QPSK	8	4	18.49	18.46	18.34	19.90
3	QPSK	8	7	18.35	18.39	18.40	19.90
3	QPSK	15	0	18.33	18.31	18.50	19.90



3	16QAM	1	0	18.40	18.32	18.26	19.90
3	16QAM	1	8	18.39	18.39	18.41	19.90
3	16QAM	1	14	18.39	18.49	18.41	19.90
3	16QAM	8	0	18.34	18.46	18.33	19.90
3	16QAM	8	4	18.39	18.49	18.36	19.90
3	16QAM	8	7	18.28	18.42	18.51	19.90
3	16QAM	15	0	18.56	18.49	18.35	19.90
3	64QAM	1	0	18.43	18.44	18.48	19.90
3	64QAM	1	8	18.52	18.31	18.33	19.90
3	64QAM	1	14	18.47	18.43	18.51	19.90
3	64QAM	8	0	18.34	18.40	18.48	19.90
3	64QAM	8	4	18.48	18.37	18.46	19.90
3	64QAM	8	7	18.30	18.38	18.42	19.90
3	64QAM	15	0	18.44	18.28	18.44	19.90
3	256QAM	1	0	18.39	18.38	18.44	19.90
3	256QAM	1	8	18.46	18.46	18.49	19.90
3	256QAM	1	14	18.43	18.56	18.48	19.90
3	256QAM	8	0	18.27	18.53	18.37	19.90
3	256QAM	8	4	18.42	18.49	18.43	19.90
3	256QAM	8	7	18.54	18.45	18.33	19.90
3	256QAM	15	0	18.31	18.48	18.45	19.90
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	18.58	18.52	18.54	19.90
1.4	QPSK	1	3	18.48	18.49	18.54	19.90
1.4	QPSK	1	5	18.27	18.42	18.28	19.90
1.4	QPSK	3	0	18.36	18.58	18.37	19.90
1.4	QPSK	3	1	18.45	18.52	18.41	19.90
1.4	QPSK	3	3	18.29	18.36	18.43	19.90
1.4	QPSK	6	0	18.43	18.33	18.47	19.90
1.4	16QAM	1	0	18.51	18.34	18.30	19.90
1.4	16QAM	1	3	18.40	18.47	18.34	19.90
1.4	16QAM	1	5	18.44	18.47	18.31	19.90
1.4	16QAM	3	0	18.33	18.55	18.36	19.90
1.4	16QAM	3	1	18.39	18.51	18.34	19.90
1.4	16QAM	3	3	18.38	18.38	18.45	19.90
1.4	16QAM	6	0	18.53	18.54	18.27	19.90
1.4	64QAM	1	0	18.39	18.41	18.40	19.90
1.4	64QAM	1	3	18.51	18.36	18.33	19.90
1.4	64QAM	1	5	18.42	18.37	18.52	19.90
1.4	64QAM	3	0	18.25	18.34	18.50	19.90
1.4	64QAM	3	1	18.47	18.38	18.51	19.90
1.4	64QAM	3	3	18.36	18.33	18.39	19.90
1.4	64QAM	6	0	18.46	18.32	18.35	19.90
1.4	256QAM	1	0	18.37	18.36	18.30	19.90
1.4	256QAM	1	3	18.37	18.37	18.41	19.90
1.4	256QAM	1	5	18.42	18.52	18.59	19.90
1.4	256QAM	3	0	18.35	18.50	18.28	19.90
1.4	256QAM	3	1	18.34	18.39	18.33	19.90
1.4	256QAM	3	3	18.48	18.45	18.33	19.90
1.4	256QAM	6	0	18.29	18.42	18.42	19.90

【LTE Band 7_Ant 4_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	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.42	23.45	23.37	24.00
20	QPSK	1	49	23.01	23.11	22.97	24.00
20	QPSK	1	99	23.05	23.13	22.93	24.00
20	QPSK	50	0	23.26	23.40	23.21	24.00
20	QPSK	50	24	22.80	22.92	22.69	24.00
20	QPSK	50	50	22.95	23.02	22.92	24.00
20	QPSK	100	0	22.69	22.86	22.75	24.00
20	16QAM	1	0	23.10	23.25	23.03	24.00
20	16QAM	1	49	23.07	23.18	23.00	24.00
20	16QAM	1	99	23.13	23.19	23.08	24.00
20	16QAM	50	0	22.15	22.25	22.09	23.00
20	16QAM	50	24	21.89	21.96	21.83	23.00



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20	16QAM	50	50	21.92	22.03	21.88	23.00
20	16QAM	100	0	21.91	22.01	21.90	23.00
20	64QAM	1	0	22.27	22.38	22.25	23.00
20	64QAM	1	49	22.34	22.48	22.29	23.00
20	64QAM	1	99	22.06	22.17	21.99	23.00
20	64QAM	50	0	21.05	21.14	21.05	22.00
20	64QAM	50	24	21.11	21.19	21.06	22.00
20	64QAM	50	50	21.18	21.24	21.15	22.00
20	64QAM	100	0	21.04	21.11	20.90	22.00
20	256QAM	1	0	19.19	19.31	19.16	20.00
20	256QAM	1	49	19.30	19.37	19.17	20.00
20	256QAM	1	99	18.84	18.94	18.76	20.00
20	256QAM	50	0	19.09	19.25	19.17	20.00
20	256QAM	50	24	19.02	19.10	19.02	20.00
20	256QAM	50	50	18.88	19.03	18.89	20.00
20	256QAM	100	0	19.06	19.17	19.06	20.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.30	23.42	23.29	24.00
15	QPSK	1	37	22.89	23.03	22.91	24.00
15	QPSK	1	74	22.93	22.99	22.87	24.00
15	QPSK	36	0	23.17	23.37	23.19	24.00
15	QPSK	36	20	22.68	22.86	22.59	24.00
15	QPSK	36	39	22.88	23.00	22.83	24.00
15	QPSK	75	0	22.59	22.80	22.68	24.00
15	16QAM	1	0	22.95	23.19	22.89	24.00
15	16QAM	1	37	22.97	23.07	22.88	24.00
15	16QAM	1	74	23.01	23.09	23.04	24.00
15	16QAM	36	0	22.07	22.17	21.98	23.00
15	16QAM	36	20	21.75	21.89	21.81	23.00
15	16QAM	36	39	21.79	21.94	21.73	23.00
15	16QAM	75	0	21.89	21.97	21.84	23.00
15	64QAM	1	0	22.22	22.32	22.16	23.00
15	64QAM	1	37	22.22	22.43	22.20	23.00
15	64QAM	1	74	22.03	22.11	21.91	23.00
15	64QAM	36	0	20.92	21.01	20.93	22.00
15	64QAM	36	20	21.04	21.10	20.98	22.00
15	64QAM	36	39	21.11	21.10	21.10	22.00
15	64QAM	75	0	21.01	21.02	20.82	22.00
15	256QAM	1	0	19.15	19.20	19.15	20.00
15	256QAM	1	37	19.20	19.35	19.09	20.00
15	256QAM	1	74	18.72	18.85	18.66	20.00
15	256QAM	36	0	19.02	19.14	19.10	20.00
15	256QAM	36	20	18.88	19.04	18.96	20.00
15	256QAM	36	39	18.82	18.92	18.86	20.00
15	256QAM	75	0	19.01	19.03	18.96	20.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.39	23.40	23.24	24.00
10	QPSK	1	25	22.99	23.02	22.86	24.00
10	QPSK	1	49	22.95	23.05	22.83	24.00
10	QPSK	25	0	23.15	23.33	23.17	24.00
10	QPSK	25	12	22.67	22.79	22.67	24.00
10	QPSK	25	25	22.81	22.97	22.79	24.00
10	QPSK	50	0	22.61	22.83	22.66	24.00
10	16QAM	1	0	23.02	23.10	22.94	24.00
10	16QAM	1	25	22.95	23.08	22.91	24.00
10	16QAM	1	49	23.09	23.12	22.98	24.00
10	16QAM	25	0	22.07	22.13	22.01	23.00
10	16QAM	25	12	21.85	21.88	21.75	23.00
10	16QAM	25	25	21.78	22.02	21.82	23.00
10	16QAM	50	0	21.81	21.89	21.76	23.00
10	64QAM	1	0	22.23	22.24	22.18	23.00
10	64QAM	1	25	22.32	22.42	22.21	23.00
10	64QAM	1	49	22.02	22.03	21.97	23.00
10	64QAM	25	0	20.91	21.02	21.04	22.00
10	64QAM	25	12	20.98	21.10	20.95	22.00
10	64QAM	25	25	21.09	21.19	21.08	22.00
10	64QAM	50	0	20.94	21.09	20.83	22.00
10	256QAM	1	0	19.14	19.20	19.12	20.00
10	256QAM	1	25	19.24	19.27	19.12	20.00
10	256QAM	1	49	18.72	18.82	18.70	20.00
10	256QAM	25	0	19.05	19.12	19.15	20.00
10	256QAM	25	12	18.94	19.00	18.89	20.00



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10	256QAM	25	25	18.74	18.89	18.79	20.00
10	256QAM	50	0	18.92	19.11	18.98	20.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.32	23.32	23.26	24.00
5	QPSK	1	12	22.97	23.05	22.94	24.00
5	QPSK	1	24	22.94	23.03	22.80	24.00
5	QPSK	12	0	23.20	23.36	23.08	24.00
5	QPSK	12	7	22.66	22.80	22.68	24.00
5	QPSK	12	13	22.87	22.92	22.80	24.00
5	QPSK	25	0	22.61	22.78	22.63	24.00
5	16QAM	1	0	22.96	23.12	22.96	24.00
5	16QAM	1	12	22.94	23.13	22.98	24.00
5	16QAM	1	24	23.01	23.14	23.01	24.00
5	16QAM	12	0	22.04	22.19	21.94	23.00
5	16QAM	12	7	21.81	21.89	21.76	23.00
5	16QAM	12	13	21.78	22.00	21.81	23.00
5	16QAM	25	0	21.88	21.98	21.80	23.00
5	64QAM	1	0	22.22	22.35	22.12	23.00
5	64QAM	1	12	22.21	22.33	22.16	23.00
5	64QAM	1	24	21.93	22.10	21.95	23.00
5	64QAM	12	0	20.90	21.12	20.91	22.00
5	64QAM	12	7	21.03	21.06	21.00	22.00
5	64QAM	12	13	21.16	21.10	21.10	22.00
5	64QAM	25	0	20.96	20.97	20.85	22.00
5	256QAM	1	0	19.16	19.16	19.14	20.00
5	256QAM	1	12	19.16	19.30	19.12	20.00
5	256QAM	1	24	18.82	18.91	18.69	20.00
5	256QAM	12	0	18.98	19.22	19.10	20.00
5	256QAM	12	7	18.92	19.01	18.92	20.00
5	256QAM	12	13	18.84	18.97	18.79	20.00
5	256QAM	25	0	19.03	19.14	19.05	20.00

【LTE Band 7_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	13.08	13.14	13.11	13.70
20	QPSK	1	49	12.89	13.08	13.03	13.70
20	QPSK	1	99	12.95	13.06	13.00	13.70
20	QPSK	50	0	13.03	13.10	13.00	13.70
20	QPSK	50	24	12.84	13.01	12.87	13.70
20	QPSK	50	50	12.92	13.05	12.90	13.70
20	QPSK	100	0	12.77	12.98	12.85	13.70
20	16QAM	1	0	12.82	12.95	12.85	13.70
20	16QAM	1	49	12.80	12.99	12.88	13.70
20	16QAM	1	99	12.80	12.96	12.89	13.70
20	16QAM	50	0	12.76	12.91	12.77	13.70
20	16QAM	50	24	12.87	13.06	12.92	13.70
20	16QAM	50	50	12.88	13.04	12.97	13.70
20	16QAM	100	0	12.92	13.05	12.90	13.70
20	64QAM	1	0	12.86	13.03	12.87	13.70
20	64QAM	1	49	12.76	12.96	12.85	13.70
20	64QAM	1	99	12.81	12.92	12.84	13.70
20	64QAM	50	0	12.79	12.94	12.78	13.70
20	64QAM	50	24	12.81	12.97	12.85	13.70
20	64QAM	50	50	12.80	12.99	12.95	13.70
20	64QAM	100	0	12.71	12.89	12.81	13.70
20	256QAM	1	0	12.74	12.87	12.82	13.70
20	256QAM	1	49	12.78	12.86	12.73	13.70
20	256QAM	1	99	12.81	12.93	12.78	13.70
20	256QAM	50	0	12.81	12.95	12.79	13.70
20	256QAM	50	24	12.76	12.94	12.78	13.70
20	256QAM	50	50	12.71	12.92	12.82	13.70
20	256QAM	100	0	12.83	12.90	12.84	13.70
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	12.96	12.99	13.08	13.70



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15	QPSK	1	37	12.75	12.97	12.91	13.70
15	QPSK	1	74	12.91	12.92	12.89	13.70
15	QPSK	36	0	12.89	13.08	12.97	13.70
15	QPSK	36	20	12.70	12.99	12.78	13.70
15	QPSK	36	39	12.82	12.99	12.81	13.70
15	QPSK	75	0	12.65	12.85	12.81	13.70
15	16QAM	1	0	12.78	12.84	12.79	13.70
15	16QAM	1	37	12.68	12.94	12.76	13.70
15	16QAM	1	74	12.72	12.82	12.81	13.70
15	16QAM	36	0	12.70	12.77	12.66	13.70
15	16QAM	36	20	12.83	12.96	12.90	13.70
15	16QAM	36	39	12.84	12.93	12.85	13.70
15	16QAM	75	0	12.82	12.94	12.88	13.70
15	64QAM	1	0	12.78	12.91	12.78	13.70
15	64QAM	1	37	12.66	12.86	12.72	13.70
15	64QAM	1	74	12.69	12.87	12.71	13.70
15	64QAM	36	0	12.66	12.92	12.75	13.70
15	64QAM	36	20	12.79	12.84	12.71	13.70
15	64QAM	36	39	12.66	12.89	12.80	13.70
15	64QAM	75	0	12.59	12.83	12.74	13.70
15	256QAM	1	0	12.72	12.82	12.75	13.70
15	256QAM	1	37	12.71	12.77	12.64	13.70
15	256QAM	1	74	12.78	12.81	12.64	13.70
15	256QAM	36	0	12.79	12.90	12.67	13.70
15	256QAM	36	20	12.74	12.84	12.73	13.70
15	256QAM	36	39	12.68	12.90	12.71	13.70
15	256QAM	75	0	12.80	12.79	12.69	13.70
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	12.99	13.08	13.03	13.70
10	QPSK	1	25	12.81	13.03	12.89	13.70
10	QPSK	1	49	12.94	12.94	12.86	13.70
10	QPSK	25	0	12.94	13.00	12.90	13.70
10	QPSK	25	12	12.71	12.86	12.78	13.70
10	QPSK	25	25	12.83	12.96	12.76	13.70
10	QPSK	50	0	12.76	12.85	12.71	13.70
10	16QAM	1	0	12.69	12.80	12.83	13.70
10	16QAM	1	25	12.71	12.96	12.75	13.70
10	16QAM	1	49	12.69	12.89	12.76	13.70
10	16QAM	25	0	12.63	12.86	12.69	13.70
10	16QAM	25	12	12.84	12.97	12.89	13.70
10	16QAM	25	25	12.78	12.96	12.86	13.70
10	16QAM	50	0	12.85	12.94	12.86	13.70
10	64QAM	1	0	12.80	12.97	12.85	13.70
10	64QAM	1	25	12.66	12.82	12.83	13.70
10	64QAM	1	49	12.71	12.78	12.73	13.70
10	64QAM	25	0	12.70	12.89	12.74	13.70
10	64QAM	25	12	12.77	12.89	12.80	13.70
10	64QAM	25	25	12.72	12.89	12.82	13.70
10	64QAM	50	0	12.59	12.86	12.71	13.70
10	256QAM	1	0	12.62	12.78	12.79	13.70
10	256QAM	1	25	12.69	12.77	12.62	13.70
10	256QAM	1	49	12.68	12.91	12.76	13.70
10	256QAM	25	0	12.77	12.92	12.66	13.70
10	256QAM	25	12	12.63	12.88	12.64	13.70
10	256QAM	25	25	12.65	12.80	12.67	13.70
10	256QAM	50	0	12.71	12.80	12.82	13.70
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	12.95	13.09	13.08	13.70
5	QPSK	1	12	12.83	12.98	13.00	13.70
5	QPSK	1	24	12.84	13.02	12.92	13.70
5	QPSK	12	0	12.92	13.04	12.89	13.70
5	QPSK	12	7	12.81	12.95	12.74	13.70
5	QPSK	12	13	12.82	12.97	12.86	13.70
5	QPSK	25	0	12.64	12.90	12.80	13.70
5	16QAM	1	0	12.74	12.90	12.75	13.70
5	16QAM	1	12	12.69	12.95	12.77	13.70
5	16QAM	1	24	12.75	12.89	12.75	13.70
5	16QAM	12	0	12.68	12.81	12.72	13.70
5	16QAM	12	7	12.78	12.96	12.85	13.70
5	16QAM	12	13	12.80	13.02	12.95	13.70
5	16QAM	25	0	12.87	13.01	12.80	13.70
5	64QAM	1	0	12.83	12.93	12.85	13.70



5	64QAM	1	12	12.73	12.95	12.82	13.70
5	64QAM	1	24	12.78	12.84	12.80	13.70
5	64QAM	12	0	12.68	12.86	12.66	13.70
5	64QAM	12	7	12.74	12.89	12.81	13.70
5	64QAM	12	13	12.66	12.87	12.93	13.70
5	64QAM	25	0	12.61	12.76	12.71	13.70
5	256QAM	1	0	12.60	12.84	12.69	13.70
5	256QAM	1	12	12.66	12.77	12.72	13.70
5	256QAM	1	24	12.70	12.88	12.73	13.70
5	256QAM	12	0	12.79	12.91	12.65	13.70
5	256QAM	12	7	12.72	12.90	12.69	13.70
5	256QAM	12	13	12.67	12.90	12.77	13.70
5	256QAM	25	0	12.81	12.80	12.71	13.70

【LTE Band 7_Ant 4_DSI 3】

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	14.98	15.11	15.08	15.90
20	QPSK	1	49	15.02	14.93	14.71	15.90
20	QPSK	1	99	14.92	15.09	14.84	15.90
20	QPSK	50	0	14.95	15.09	14.72	15.90
20	QPSK	50	24	14.86	15.08	14.64	15.90
20	QPSK	50	50	15.01	14.96	14.64	15.90
20	QPSK	100	0	14.93	14.91	14.78	15.90
20	16QAM	1	0	14.86	14.96	14.79	15.90
20	16QAM	1	49	14.86	15.01	14.67	15.90
20	16QAM	1	99	14.96	15.00	14.84	15.90
20	16QAM	50	0	15.01	14.91	14.74	15.90
20	16QAM	50	24	15.02	14.92	14.84	15.90
20	16QAM	50	50	14.98	15.02	14.69	15.90
20	16QAM	100	0	14.87	14.87	14.68	15.90
20	64QAM	1	0	14.98	14.94	14.80	15.90
20	64QAM	1	49	15.06	14.90	14.82	15.90
20	64QAM	1	99	14.93	14.98	14.66	15.90
20	64QAM	50	0	14.95	15.11	14.86	15.90
20	64QAM	50	24	14.90	14.90	14.78	15.90
20	64QAM	50	50	15.07	14.92	14.86	15.90
20	64QAM	100	0	14.88	15.01	14.82	15.90
20	256QAM	1	0	14.98	15.11	14.71	15.90
20	256QAM	1	49	14.87	14.97	14.65	15.90
20	256QAM	1	99	14.96	14.96	14.63	15.90
20	256QAM	50	0	14.91	15.01	14.79	15.90
20	256QAM	50	24	14.94	14.93	14.81	15.90
20	256QAM	50	50	14.95	15.08	14.79	15.90
20	256QAM	100	0	15.02	14.89	14.72	15.90
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.91	15.03	15.04	15.90
15	QPSK	1	37	14.89	14.89	14.65	15.90
15	QPSK	1	74	14.79	14.97	14.82	15.90
15	QPSK	36	0	14.90	14.97	14.60	15.90
15	QPSK	36	20	14.74	14.95	14.61	15.90
15	QPSK	36	39	14.91	14.81	14.59	15.90
15	QPSK	75	0	14.82	14.77	14.70	15.90
15	16QAM	1	0	14.73	14.90	14.70	15.90
15	16QAM	1	37	14.84	14.87	14.59	15.90
15	16QAM	1	74	14.86	14.88	14.74	15.90
15	16QAM	36	0	14.93	14.86	14.60	15.90
15	16QAM	36	20	14.96	14.82	14.74	15.90
15	16QAM	36	39	14.87	14.95	14.57	15.90
15	16QAM	75	0	14.80	14.84	14.67	15.90
15	64QAM	1	0	14.97	14.83	14.74	15.90
15	64QAM	1	37	14.99	14.85	14.71	15.90
15	64QAM	1	74	14.82	14.94	14.54	15.90
15	64QAM	36	0	14.90	15.04	14.79	15.90
15	64QAM	36	20	14.78	14.76	14.64	15.90
15	64QAM	36	39	15.00	14.80	14.83	15.90



15	64QAM	75	0	14.75	14.98	14.73	15.90
15	256QAM	1	0	14.85	15.03	14.58	15.90
15	256QAM	1	37	14.79	14.92	14.63	15.90
15	256QAM	1	74	14.88	14.91	14.56	15.90
15	256QAM	36	0	14.82	14.97	14.69	15.90
15	256QAM	36	20	14.85	14.82	14.71	15.90
15	256QAM	36	39	14.90	15.03	14.70	15.90
15	256QAM	75	0	15.00	14.75	14.69	15.90
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.84	15.04	14.97	15.90
10	QPSK	1	25	14.89	14.92	14.69	15.90
10	QPSK	1	49	14.84	15.01	14.70	15.90
10	QPSK	25	0	14.87	14.98	14.57	15.90
10	QPSK	25	12	14.80	15.02	14.56	15.90
10	QPSK	25	25	14.95	14.92	14.55	15.90
10	QPSK	50	0	14.87	14.78	14.72	15.90
10	16QAM	1	0	14.78	14.87	14.68	15.90
10	16QAM	1	25	14.80	14.96	14.55	15.90
10	16QAM	1	49	14.90	14.95	14.78	15.90
10	16QAM	25	0	14.96	14.86	14.64	15.90
10	16QAM	25	12	14.98	14.87	14.69	15.90
10	16QAM	25	25	14.90	14.89	14.57	15.90
10	16QAM	50	0	14.82	14.75	14.57	15.90
10	64QAM	1	0	14.94	14.88	14.79	15.90
10	64QAM	1	25	14.95	14.76	14.71	15.90
10	64QAM	1	49	14.90	14.87	14.65	15.90
10	64QAM	25	0	14.93	15.06	14.79	15.90
10	64QAM	25	12	14.79	14.80	14.70	15.90
10	64QAM	25	25	14.94	14.80	14.81	15.90
10	64QAM	50	0	14.80	14.88	14.74	15.90
10	256QAM	1	0	14.90	15.00	14.58	15.90
10	256QAM	1	25	14.79	14.93	14.62	15.90
10	256QAM	1	49	14.83	14.94	14.51	15.90
10	256QAM	25	0	14.85	14.93	14.74	15.90
10	256QAM	25	12	14.79	14.90	14.69	15.90
10	256QAM	25	25	14.81	15.00	14.68	15.90
10	256QAM	50	0	14.94	14.88	14.69	15.90
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	14.90	14.98	14.98	15.90
5	QPSK	1	12	14.89	14.79	14.63	15.90
5	QPSK	1	24	14.85	14.97	14.71	15.90
5	QPSK	12	0	14.88	14.95	14.58	15.90
5	QPSK	12	7	14.85	15.07	14.62	15.90
5	QPSK	12	13	14.92	14.91	14.50	15.90
5	QPSK	25	0	14.78	14.79	14.68	15.90
5	16QAM	1	0	14.83	14.85	14.67	15.90
5	16QAM	1	12	14.79	14.97	14.62	15.90
5	16QAM	1	24	14.85	14.98	14.69	15.90
5	16QAM	12	0	14.90	14.77	14.70	15.90
5	16QAM	12	7	14.92	14.86	14.78	15.90
5	16QAM	12	13	14.87	15.01	14.64	15.90
5	16QAM	25	0	14.78	14.82	14.58	15.90
5	64QAM	1	0	14.86	14.90	14.79	15.90
5	64QAM	1	12	14.92	14.77	14.78	15.90
5	64QAM	1	24	14.89	14.85	14.63	15.90
5	64QAM	12	0	14.85	15.07	14.80	15.90
5	64QAM	12	7	14.84	14.76	14.70	15.90
5	64QAM	12	13	14.99	14.85	14.79	15.90
5	64QAM	25	0	14.85	14.89	14.76	15.90
5	256QAM	1	0	14.85	15.04	14.66	15.90
5	256QAM	1	12	14.78	14.85	14.64	15.90
5	256QAM	1	24	14.89	14.87	14.60	15.90
5	256QAM	12	0	14.83	14.93	14.73	15.90
5	256QAM	12	7	14.85	14.92	14.79	15.90
5	256QAM	12	13	14.92	15.07	14.70	15.90
5	256QAM	25	0	14.95	14.77	14.70	15.90



【LTE Band 7_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.42	23.45	23.37	24.00
20	QPSK	1	49	23.01	23.11	22.97	24.00
20	QPSK	1	99	23.05	23.13	22.93	24.00
20	QPSK	50	0	23.26	23.40	23.21	24.00
20	QPSK	50	24	22.80	22.92	22.69	24.00
20	QPSK	50	50	22.95	23.02	22.92	24.00
20	QPSK	100	0	22.69	22.86	22.75	24.00
20	16QAM	1	0	23.10	23.25	23.03	24.00
20	16QAM	1	49	23.07	23.18	23.00	24.00
20	16QAM	1	99	23.13	23.19	23.08	24.00
20	16QAM	50	0	22.15	22.25	22.09	23.00
20	16QAM	50	24	21.89	21.96	21.83	23.00
20	16QAM	50	50	21.92	22.03	21.88	23.00
20	16QAM	100	0	21.91	22.01	21.90	23.00
20	64QAM	1	0	22.27	22.38	22.25	23.00
20	64QAM	1	49	22.34	22.48	22.29	23.00
20	64QAM	1	99	22.06	22.17	21.99	23.00
20	64QAM	50	0	21.05	21.14	21.05	22.00
20	64QAM	50	24	21.11	21.19	21.06	22.00
20	64QAM	50	50	21.18	21.24	21.15	22.00
20	64QAM	100	0	21.04	21.11	20.90	22.00
20	256QAM	1	0	19.19	19.31	19.16	20.00
20	256QAM	1	49	19.30	19.37	19.17	20.00
20	256QAM	1	99	18.84	18.94	18.76	20.00
20	256QAM	50	0	19.09	19.25	19.17	20.00
20	256QAM	50	24	19.02	19.10	19.02	20.00
20	256QAM	50	50	18.88	19.03	18.89	20.00
20	256QAM	100	0	19.06	19.17	19.06	20.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.30	23.42	23.29	24.00
15	QPSK	1	37	22.89	23.03	22.91	24.00
15	QPSK	1	74	22.93	22.99	22.87	24.00
15	QPSK	36	0	23.17	23.37	23.19	24.00
15	QPSK	36	20	22.68	22.86	22.59	24.00
15	QPSK	36	39	22.88	23.00	22.83	24.00
15	QPSK	75	0	22.59	22.80	22.68	24.00
15	16QAM	1	0	22.95	23.19	22.89	24.00
15	16QAM	1	37	22.97	23.07	22.88	24.00
15	16QAM	1	74	23.01	23.09	23.04	24.00
15	16QAM	36	0	22.07	22.17	21.98	23.00
15	16QAM	36	20	21.75	21.89	21.81	23.00
15	16QAM	36	39	21.79	21.94	21.73	23.00
15	16QAM	75	0	21.89	21.97	21.84	23.00
15	64QAM	1	0	22.22	22.32	22.16	23.00
15	64QAM	1	37	22.22	22.43	22.20	23.00
15	64QAM	1	74	22.03	22.11	21.91	23.00
15	64QAM	36	0	20.92	21.01	20.93	22.00
15	64QAM	36	20	21.04	21.10	20.98	22.00
15	64QAM	36	39	21.11	21.10	21.10	22.00
15	64QAM	75	0	21.01	21.02	20.82	22.00
15	256QAM	1	0	19.15	19.20	19.15	20.00
15	256QAM	1	37	19.20	19.35	19.09	20.00
15	256QAM	1	74	18.72	18.85	18.66	20.00
15	256QAM	36	0	19.02	19.14	19.10	20.00
15	256QAM	36	20	18.88	19.04	18.96	20.00
15	256QAM	36	39	18.82	18.92	18.86	20.00
15	256QAM	75	0	19.01	19.03	18.96	20.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.39	23.40	23.24	24.00
10	QPSK	1	25	22.99	23.02	22.86	24.00
10	QPSK	1	49	22.95	23.05	22.83	24.00
10	QPSK	25	0	23.15	23.33	23.17	24.00
10	QPSK	25	12	22.67	22.79	22.67	24.00
10	QPSK	25	25	22.81	22.97	22.79	24.00
10	QPSK	50	0	22.61	22.83	22.66	24.00



10	16QAM	1	0	23.02	23.10	22.94	24.00
10	16QAM	1	25	22.95	23.08	22.91	24.00
10	16QAM	1	49	23.09	23.12	22.98	24.00
10	16QAM	25	0	22.07	22.13	22.01	23.00
10	16QAM	25	12	21.85	21.88	21.75	23.00
10	16QAM	25	25	21.78	22.02	21.82	23.00
10	16QAM	50	0	21.81	21.89	21.76	23.00
10	64QAM	1	0	22.23	22.24	22.18	23.00
10	64QAM	1	25	22.32	22.42	22.21	23.00
10	64QAM	1	49	22.02	22.03	21.97	23.00
10	64QAM	25	0	20.91	21.02	21.04	22.00
10	64QAM	25	12	20.98	21.10	20.95	22.00
10	64QAM	25	25	21.09	21.19	21.08	22.00
10	64QAM	50	0	20.94	21.09	20.83	22.00
10	256QAM	1	0	19.14	19.20	19.12	20.00
10	256QAM	1	25	19.24	19.27	19.12	20.00
10	256QAM	1	49	18.72	18.82	18.70	20.00
10	256QAM	25	0	19.05	19.12	19.15	20.00
10	256QAM	25	12	18.94	19.00	18.89	20.00
10	256QAM	25	25	18.74	18.89	18.79	20.00
10	256QAM	50	0	18.92	19.11	18.98	20.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.32	23.32	23.26	24.00
5	QPSK	1	12	22.97	23.05	22.94	24.00
5	QPSK	1	24	22.94	23.03	22.80	24.00
5	QPSK	12	0	23.20	23.36	23.08	24.00
5	QPSK	12	7	22.66	22.80	22.68	24.00
5	QPSK	12	13	22.87	22.92	22.80	24.00
5	QPSK	25	0	22.61	22.78	22.63	24.00
5	16QAM	1	0	22.96	23.12	22.96	24.00
5	16QAM	1	12	22.94	23.13	22.98	24.00
5	16QAM	1	24	23.01	23.14	23.01	24.00
5	16QAM	12	0	22.04	22.19	21.94	23.00
5	16QAM	12	7	21.81	21.89	21.76	23.00
5	16QAM	12	13	21.78	22.00	21.81	23.00
5	16QAM	25	0	21.88	21.98	21.80	23.00
5	64QAM	1	0	22.22	22.35	22.12	23.00
5	64QAM	1	12	22.21	22.33	22.16	23.00
5	64QAM	1	24	21.93	22.10	21.95	23.00
5	64QAM	12	0	20.90	21.12	20.91	22.00
5	64QAM	12	7	21.03	21.06	21.00	22.00
5	64QAM	12	13	21.16	21.10	21.10	22.00
5	64QAM	25	0	20.96	20.97	20.85	22.00
5	256QAM	1	0	19.16	19.16	19.14	20.00
5	256QAM	1	12	19.16	19.30	19.12	20.00
5	256QAM	1	24	18.82	18.91	18.69	20.00
5	256QAM	12	0	18.98	19.22	19.10	20.00
5	256QAM	12	7	18.92	19.01	18.92	20.00
5	256QAM	12	13	18.84	18.97	18.79	20.00
5	256QAM	25	0	19.03	19.14	19.05	20.00

【LTE Band 7_Ant 4_DSI 6】

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	18.51	18.56	18.53	19.40
20	QPSK	1	49	18.32	18.51	18.43	19.40
20	QPSK	1	99	18.30	18.49	18.32	19.40
20	QPSK	50	0	18.43	18.53	18.49	19.40
20	QPSK	50	24	18.39	18.52	18.39	19.40
20	QPSK	50	50	18.34	18.51	18.45	19.40
20	QPSK	100	0	18.35	18.44	18.37	19.40
20	16QAM	1	0	18.33	18.43	18.29	19.40
20	16QAM	1	49	18.37	18.49	18.38	19.40
20	16QAM	1	99	18.26	18.46	18.41	19.40
20	16QAM	50	0	18.35	18.45	18.37	19.40
20	16QAM	50	24	18.32	18.41	18.29	19.40



20	16QAM	50	50	18.26	18.43	18.35	19.40
20	16QAM	100	0	18.34	18.47	18.29	19.40
20	64QAM	1	0	18.30	18.46	18.33	19.40
20	64QAM	1	49	18.33	18.41	18.31	19.40
20	64QAM	1	99	18.26	18.43	18.39	19.40
20	64QAM	50	0	18.33	18.44	18.38	19.40
20	64QAM	50	24	18.31	18.48	18.40	19.40
20	64QAM	50	50	18.30	18.42	18.25	19.40
20	64QAM	100	0	18.27	18.41	18.33	19.40
20	256QAM	1	0	18.34	18.44	18.27	19.40
20	256QAM	1	49	18.39	18.51	18.45	19.40
20	256QAM	1	99	18.41	18.50	18.39	19.40
20	256QAM	50	0	18.36	18.49	18.40	19.40
20	256QAM	50	24	18.27	18.44	18.27	19.40
20	256QAM	50	50	18.26	18.43	18.27	19.40
20	256QAM	100	0	18.34	18.41	18.27	19.40
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.39	18.44	18.44	19.40
15	QPSK	1	37	18.22	18.37	18.41	19.40
15	QPSK	1	74	18.23	18.45	18.28	19.40
15	QPSK	36	0	18.21	18.40	18.27	19.40
15	QPSK	36	20	18.34	18.42	18.38	19.40
15	QPSK	36	39	18.31	18.43	18.37	19.40
15	QPSK	75	0	18.30	18.34	18.29	19.40
15	16QAM	1	0	18.25	18.41	18.18	19.40
15	16QAM	1	37	18.34	18.41	18.32	19.40
15	16QAM	1	74	18.17	18.37	18.39	19.40
15	16QAM	36	0	18.33	18.43	18.33	19.40
15	16QAM	36	20	18.18	18.29	18.19	19.40
15	16QAM	36	39	18.24	18.42	18.34	19.40
15	16QAM	75	0	18.33	18.39	18.16	19.40
15	64QAM	1	0	18.16	18.40	18.30	19.40
15	64QAM	1	37	18.31	18.27	18.29	19.40
15	64QAM	1	74	18.19	18.32	18.27	19.40
15	64QAM	36	0	18.25	18.31	18.25	19.40
15	64QAM	36	20	18.18	18.43	18.38	19.40
15	64QAM	36	39	18.22	18.32	18.14	19.40
15	64QAM	75	0	18.19	18.28	18.20	19.40
15	256QAM	1	0	18.25	18.39	18.20	19.40
15	256QAM	1	37	18.26	18.42	18.38	19.40
15	256QAM	1	74	18.30	18.36	18.37	19.40
15	256QAM	36	0	18.27	18.44	18.34	19.40
15	256QAM	36	20	18.18	18.41	18.15	19.40
15	256QAM	36	39	18.20	18.37	18.26	19.40
15	256QAM	75	0	18.32	18.34	18.19	19.40
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.41	18.47	18.43	19.40
10	QPSK	1	25	18.20	18.43	18.40	19.40
10	QPSK	1	49	18.28	18.46	18.30	19.40
10	QPSK	25	0	18.26	18.45	18.24	19.40
10	QPSK	25	12	18.25	18.42	18.31	19.40
10	QPSK	25	25	18.19	18.45	18.44	19.40
10	QPSK	50	0	18.21	18.34	18.34	19.40
10	16QAM	1	0	18.21	18.34	18.15	19.40
10	16QAM	1	25	18.22	18.34	18.24	19.40
10	16QAM	1	49	18.12	18.39	18.37	19.40
10	16QAM	25	0	18.34	18.41	18.34	19.40
10	16QAM	25	12	18.18	18.37	18.27	19.40
10	16QAM	25	25	18.13	18.35	18.23	19.40
10	16QAM	50	0	18.29	18.40	18.20	19.40
10	64QAM	1	0	18.18	18.38	18.20	19.40
10	64QAM	1	25	18.23	18.34	18.27	19.40
10	64QAM	1	49	18.15	18.31	18.25	19.40
10	64QAM	25	0	18.21	18.32	18.29	19.40
10	64QAM	25	12	18.27	18.39	18.35	19.40
10	64QAM	25	25	18.20	18.39	18.15	19.40
10	64QAM	50	0	18.21	18.34	18.28	19.40
10	256QAM	1	0	18.28	18.34	18.15	19.40
10	256QAM	1	25	18.37	18.48	18.39	19.40
10	256QAM	1	49	18.38	18.48	18.33	19.40
10	256QAM	25	0	18.33	18.40	18.29	19.40
10	256QAM	25	12	18.13	18.32	18.22	19.40



10	256QAM	25	25	18.12	18.41	18.12	19.40
10	256QAM	50	0	18.27	18.30	18.16	19.40
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.39	18.52	18.46	19.40
5	QPSK	1	12	18.22	18.44	18.35	19.40
5	QPSK	1	24	18.25	18.47	18.23	19.40
5	QPSK	12	0	18.24	18.41	18.21	19.40
5	QPSK	12	7	18.28	18.38	18.28	19.40
5	QPSK	12	13	18.23	18.49	18.39	19.40
5	QPSK	25	0	18.26	18.39	18.31	19.40
5	16QAM	1	0	18.28	18.38	18.27	19.40
5	16QAM	1	12	18.25	18.36	18.29	19.40
5	16QAM	1	24	18.20	18.36	18.28	19.40
5	16QAM	12	0	18.28	18.30	18.34	19.40
5	16QAM	12	7	18.24	18.39	18.24	19.40
5	16QAM	12	13	18.12	18.42	18.31	19.40
5	16QAM	25	0	18.30	18.38	18.21	19.40
5	64QAM	1	0	18.16	18.44	18.20	19.40
5	64QAM	1	12	18.28	18.32	18.21	19.40
5	64QAM	1	24	18.19	18.37	18.31	19.40
5	64QAM	12	0	18.23	18.38	18.27	19.40
5	64QAM	12	7	18.27	18.36	18.34	19.40
5	64QAM	12	13	18.16	18.38	18.22	19.40
5	64QAM	25	0	18.13	18.37	18.20	19.40
5	256QAM	1	0	18.31	18.37	18.25	19.40
5	256QAM	1	12	18.32	18.43	18.39	19.40
5	256QAM	1	24	18.39	18.43	18.24	19.40
5	256QAM	12	0	18.31	18.41	18.26	19.40
5	256QAM	12	7	18.26	18.41	18.21	19.40
5	256QAM	12	13	18.21	18.37	18.18	19.40
5	256QAM	25	0	18.33	18.31	18.22	19.40

【LTE Band 7_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	14.03	14.08	14.05	15.30
20	QPSK	1	49	13.95	13.96	13.96	15.30
20	QPSK	1	99	13.83	13.91	13.92	15.30
20	QPSK	50	0	13.99	14.05	13.92	15.30
20	QPSK	50	24	13.97	13.89	13.99	15.30
20	QPSK	50	50	13.94	14.01	13.80	15.30
20	QPSK	100	0	13.87	13.80	13.92	15.30
20	16QAM	1	0	13.96	13.93	13.95	15.30
20	16QAM	1	49	13.86	13.99	14.01	15.30
20	16QAM	1	99	13.81	13.86	13.99	15.30
20	16QAM	50	0	13.83	13.85	13.99	15.30
20	16QAM	50	24	13.97	13.95	13.99	15.30
20	16QAM	50	50	13.86	14.00	14.00	15.30
20	16QAM	100	0	13.85	13.96	13.81	15.30
20	64QAM	1	0	14.01	13.97	13.94	15.30
20	64QAM	1	49	13.88	13.97	14.02	15.30
20	64QAM	1	99	13.93	13.86	13.97	15.30
20	64QAM	50	0	13.81	13.95	13.78	15.30
20	64QAM	50	24	13.89	13.87	13.79	15.30
20	64QAM	50	50	13.81	13.98	13.84	15.30
20	64QAM	100	0	13.89	13.93	13.97	15.30
20	256QAM	1	0	13.93	14.01	13.82	15.30
20	256QAM	1	49	14.00	13.92	13.93	15.30
20	256QAM	1	99	13.82	13.84	13.90	15.30
20	256QAM	50	0	14.02	13.92	14.02	15.30
20	256QAM	50	24	13.88	13.86	13.86	15.30
20	256QAM	50	50	13.97	13.93	13.89	15.30
20	256QAM	100	0	14.00	13.83	13.99	15.30
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	13.92	13.97	13.98	15.30



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15	QPSK	1	37	13.81	13.83	13.89	15.30
15	QPSK	1	74	13.74	13.79	13.83	15.30
15	QPSK	36	0	13.90	14.02	13.91	15.30
15	QPSK	36	20	13.92	13.85	13.96	15.30
15	QPSK	36	39	13.85	13.98	13.69	15.30
15	QPSK	75	0	13.76	13.68	13.84	15.30
15	16QAM	1	0	13.87	13.91	13.83	15.30
15	16QAM	1	37	13.77	13.84	13.99	15.30
15	16QAM	1	74	13.72	13.74	13.95	15.30
15	16QAM	36	0	13.75	13.76	13.91	15.30
15	16QAM	36	20	13.83	13.88	13.95	15.30
15	16QAM	36	39	13.84	13.86	13.89	15.30
15	16QAM	75	0	13.81	13.90	13.71	15.30
15	64QAM	1	0	13.96	13.86	13.82	15.30
15	64QAM	1	37	13.82	13.83	14.00	15.30
15	64QAM	1	74	13.80	13.72	13.93	15.30
15	64QAM	36	0	13.77	13.82	13.72	15.30
15	64QAM	36	20	13.75	13.80	13.70	15.30
15	64QAM	36	39	13.71	13.92	13.78	15.30
15	64QAM	75	0	13.86	13.81	13.95	15.30
15	256QAM	1	0	13.86	13.92	13.69	15.30
15	256QAM	1	37	13.91	13.79	13.92	15.30
15	256QAM	1	74	13.72	13.76	13.81	15.30
15	256QAM	36	0	13.93	13.83	13.95	15.30
15	256QAM	36	20	13.85	13.81	13.73	15.30
15	256QAM	36	39	13.92	13.89	13.75	15.30
15	256QAM	75	0	13.95	13.71	13.95	15.30
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	14.01	14.03	14.01	15.30
10	QPSK	1	25	13.92	13.94	13.82	15.30
10	QPSK	1	49	13.80	13.79	13.78	15.30
10	QPSK	25	0	13.85	14.00	13.88	15.30
10	QPSK	25	12	13.84	13.84	13.96	15.30
10	QPSK	25	25	13.84	13.98	13.72	15.30
10	QPSK	50	0	13.81	13.76	13.81	15.30
10	16QAM	1	0	13.94	13.86	13.91	15.30
10	16QAM	1	25	13.81	13.96	13.95	15.30
10	16QAM	1	49	13.78	13.85	13.91	15.30
10	16QAM	25	0	13.79	13.72	13.94	15.30
10	16QAM	25	12	13.94	13.86	13.85	15.30
10	16QAM	25	25	13.75	13.88	13.95	15.30
10	16QAM	50	0	13.82	13.95	13.76	15.30
10	64QAM	1	0	13.91	13.93	13.85	15.30
10	64QAM	1	25	13.85	13.93	13.89	15.30
10	64QAM	1	49	13.84	13.76	13.83	15.30
10	64QAM	25	0	13.79	13.85	13.76	15.30
10	64QAM	25	12	13.80	13.77	13.70	15.30
10	64QAM	25	25	13.74	13.97	13.72	15.30
10	64QAM	50	0	13.81	13.79	13.89	15.30
10	256QAM	1	0	13.87	13.97	13.72	15.30
10	256QAM	1	25	13.91	13.91	13.86	15.30
10	256QAM	1	49	13.72	13.73	13.75	15.30
10	256QAM	25	0	13.89	13.86	13.94	15.30
10	256QAM	25	12	13.79	13.83	13.84	15.30
10	256QAM	25	25	13.83	13.83	13.87	15.30
10	256QAM	50	0	13.94	13.69	13.92	15.30
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	14.01	13.99	14.03	15.30
5	QPSK	1	12	13.81	13.93	13.87	15.30
5	QPSK	1	24	13.82	13.83	13.83	15.30
5	QPSK	12	0	13.88	13.95	13.78	15.30
5	QPSK	12	7	13.90	13.79	13.85	15.30
5	QPSK	12	13	13.87	13.94	13.69	15.30
5	QPSK	25	0	13.79	13.67	13.87	15.30
5	16QAM	1	0	13.94	13.89	13.88	15.30
5	16QAM	1	12	13.84	13.96	13.94	15.30
5	16QAM	1	24	13.74	13.82	13.92	15.30
5	16QAM	12	0	13.76	13.80	13.91	15.30
5	16QAM	12	7	13.87	13.81	13.88	15.30
5	16QAM	12	13	13.76	13.92	13.94	15.30
5	16QAM	25	0	13.83	13.81	13.70	15.30
5	64QAM	1	0	14.00	13.95	13.82	15.30



5	64QAM	1	12	13.83	13.93	14.01	15.30
5	64QAM	1	24	13.92	13.73	13.85	15.30
5	64QAM	12	0	13.70	13.85	13.72	15.30
5	64QAM	12	7	13.85	13.77	13.75	15.30
5	64QAM	12	13	13.75	13.93	13.78	15.30
5	64QAM	25	0	13.86	13.80	13.96	15.30
5	256QAM	1	0	13.87	13.98	13.78	15.30
5	256QAM	1	12	13.96	13.86	13.89	15.30
5	256QAM	1	24	13.73	13.82	13.88	15.30
5	256QAM	12	0	13.98	13.87	13.94	15.30
5	256QAM	12	7	13.77	13.83	13.82	15.30
5	256QAM	12	13	13.92	13.88	13.74	15.30
5	256QAM	25	0	13.95	13.82	13.92	15.30

【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	23.46	23.58	23.55	24.00
20	QPSK	1	49	23.27	23.52	23.35	24.00
20	QPSK	1	99	23.22	23.48	23.43	24.00
20	QPSK	50	0	23.41	23.56	23.47	24.00
20	QPSK	50	24	23.28	23.47	23.37	24.00
20	QPSK	50	50	23.36	23.48	23.42	24.00
20	QPSK	100	0	23.24	23.46	23.35	24.00
20	16QAM	1	0	23.24	23.41	23.29	24.00
20	16QAM	1	49	23.12	23.38	23.26	24.00
20	16QAM	1	99	23.09	23.36	23.30	24.00
20	16QAM	50	0	23.05	23.19	23.06	24.00
20	16QAM	50	24	23.01	23.18	23.02	24.00
20	16QAM	50	50	23.03	23.16	23.09	24.00
20	16QAM	100	0	22.99	23.13	22.99	24.00
20	64QAM	1	0	23.20	23.36	23.20	24.00
20	64QAM	1	49	23.16	23.33	23.29	24.00
20	64QAM	1	99	23.25	23.41	23.24	24.00
20	64QAM	50	0	22.01	22.24	22.07	23.00
20	64QAM	50	24	22.09	22.31	22.15	23.00
20	64QAM	50	50	22.13	22.26	22.14	23.00
20	64QAM	100	0	22.03	22.18	22.00	23.00
20	256QAM	1	0	20.25	20.39	20.31	21.00
20	256QAM	1	49	20.17	20.33	20.22	21.00
20	256QAM	1	99	20.09	20.32	20.21	21.00
20	256QAM	50	0	19.99	20.24	20.13	21.00
20	256QAM	50	24	19.98	20.17	20.05	21.00
20	256QAM	50	50	19.97	20.22	20.09	21.00
20	256QAM	100	0	20.05	20.18	20.06	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.36	23.47	23.49	24.00
15	QPSK	1	37	23.15	23.42	23.29	24.00
15	QPSK	1	74	23.11	23.44	23.40	24.00
15	QPSK	36	0	23.27	23.45	23.39	24.00
15	QPSK	36	20	23.16	23.44	23.33	24.00
15	QPSK	36	39	23.28	23.45	23.29	24.00
15	QPSK	75	0	23.20	23.32	23.22	24.00
15	16QAM	1	0	23.12	23.39	23.21	24.00
15	16QAM	1	37	23.06	23.32	23.24	24.00
15	16QAM	1	74	23.02	23.33	23.22	24.00
15	16QAM	36	0	22.96	23.15	22.95	24.00
15	16QAM	36	20	22.87	23.09	23.00	24.00
15	16QAM	36	39	22.91	23.02	22.98	24.00
15	16QAM	75	0	22.90	23.06	22.96	24.00
15	64QAM	1	0	23.13	23.25	23.16	24.00
15	64QAM	1	37	23.08	23.25	23.18	24.00
15	64QAM	1	74	23.19	23.33	23.23	24.00
15	64QAM	36	0	21.90	22.16	22.06	23.00
15	64QAM	36	20	21.97	22.17	22.09	23.00
15	64QAM	36	39	22.08	22.23	22.13	23.00



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15	64QAM	75	0	21.98	22.10	21.87	23.00
15	256QAM	1	0	20.23	20.36	20.23	21.00
15	256QAM	1	37	20.12	20.27	20.13	21.00
15	256QAM	1	74	19.97	20.23	20.09	21.00
15	256QAM	36	0	19.88	20.17	20.01	21.00
15	256QAM	36	20	19.95	20.13	19.94	21.00
15	256QAM	36	39	19.93	20.15	19.95	21.00
15	256QAM	75	0	20.04	20.07	20.04	21.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.42	23.53	23.45	24.00
10	QPSK	1	25	23.13	23.38	23.32	24.00
10	QPSK	1	49	23.19	23.36	23.29	24.00
10	QPSK	25	0	23.27	23.47	23.36	24.00
10	QPSK	25	12	23.18	23.39	23.29	24.00
10	QPSK	25	25	23.33	23.46	23.30	24.00
10	QPSK	50	0	23.23	23.31	23.34	24.00
10	16QAM	1	0	23.11	23.29	23.23	24.00
10	16QAM	1	25	22.97	23.30	23.12	24.00
10	16QAM	1	49	22.97	23.26	23.25	24.00
10	16QAM	25	0	22.97	23.05	22.96	24.00
10	16QAM	25	12	22.99	23.15	22.90	24.00
10	16QAM	25	25	22.88	23.10	23.00	24.00
10	16QAM	50	0	22.91	22.99	22.97	24.00
10	64QAM	1	0	23.09	23.26	23.13	24.00
10	64QAM	1	25	23.09	23.25	23.25	24.00
10	64QAM	1	49	23.23	23.26	23.22	24.00
10	64QAM	25	0	21.99	22.21	21.99	23.00
10	64QAM	25	12	22.04	22.19	22.13	23.00
10	64QAM	25	25	22.01	22.24	22.10	23.00
10	64QAM	50	0	21.95	22.07	21.96	23.00
10	256QAM	1	0	20.17	20.25	20.16	21.00
10	256QAM	1	25	20.12	20.31	20.15	21.00
10	256QAM	1	49	19.96	20.19	20.18	21.00
10	256QAM	25	0	19.87	20.15	20.02	21.00
10	256QAM	25	12	19.88	20.05	20.00	21.00
10	256QAM	25	25	19.95	20.17	19.95	21.00
10	256QAM	50	0	19.96	20.08	20.04	21.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.37	23.54	23.54	24.00
5	QPSK	1	12	23.26	23.41	23.21	24.00
5	QPSK	1	24	23.14	23.45	23.29	24.00
5	QPSK	12	0	23.26	23.49	23.41	24.00
5	QPSK	12	7	23.24	23.44	23.31	24.00
5	QPSK	12	13	23.25	23.34	23.30	24.00
5	QPSK	25	0	23.10	23.43	23.31	24.00
5	16QAM	1	0	23.19	23.37	23.27	24.00
5	16QAM	1	12	23.07	23.36	23.16	24.00
5	16QAM	1	24	23.07	23.30	23.22	24.00
5	16QAM	12	0	22.97	23.05	23.05	24.00
5	16QAM	12	7	22.99	23.12	22.91	24.00
5	16QAM	12	13	22.92	23.02	23.08	24.00
5	16QAM	25	0	22.89	23.08	22.88	24.00
5	64QAM	1	0	23.14	23.23	23.10	24.00
5	64QAM	1	12	23.15	23.24	23.21	24.00
5	64QAM	1	24	23.19	23.29	23.14	24.00
5	64QAM	12	0	21.88	22.10	21.99	23.00
5	64QAM	12	7	22.08	22.21	22.11	23.00
5	64QAM	12	13	22.10	22.24	22.09	23.00
5	64QAM	25	0	21.97	22.15	21.89	23.00
5	256QAM	1	0	20.21	20.26	20.27	21.00
5	256QAM	1	12	20.02	20.23	20.10	21.00
5	256QAM	1	24	20.06	20.30	20.13	21.00
5	256QAM	12	0	19.88	20.18	20.10	21.00
5	256QAM	12	7	19.92	20.12	19.97	21.00
5	256QAM	12	13	19.92	20.14	20.05	21.00
5	256QAM	25	0	19.93	20.09	19.95	21.00



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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	23.46	23.58	23.55	24.00
20	QPSK	1	49	23.27	23.52	23.35	24.00
20	QPSK	1	99	23.22	23.48	23.43	24.00
20	QPSK	50	0	23.41	23.56	23.47	24.00
20	QPSK	50	24	23.28	23.47	23.37	24.00
20	QPSK	50	50	23.36	23.48	23.42	24.00
20	QPSK	100	0	23.24	23.46	23.35	24.00
20	16QAM	1	0	23.24	23.41	23.29	24.00
20	16QAM	1	49	23.12	23.38	23.26	24.00
20	16QAM	1	99	23.09	23.36	23.30	24.00
20	16QAM	50	0	23.05	23.19	23.06	24.00
20	16QAM	50	24	23.01	23.18	23.02	24.00
20	16QAM	50	50	23.03	23.16	23.09	24.00
20	16QAM	100	0	22.99	23.13	22.99	24.00
20	64QAM	1	0	23.20	23.36	23.20	24.00
20	64QAM	1	49	23.16	23.33	23.29	24.00
20	64QAM	1	99	23.25	23.41	23.24	24.00
20	64QAM	50	0	22.01	22.24	22.07	23.00
20	64QAM	50	24	22.09	22.31	22.15	23.00
20	64QAM	50	50	22.13	22.26	22.14	23.00
20	64QAM	100	0	22.03	22.18	22.00	23.00
20	256QAM	1	0	20.25	20.39	20.31	21.00
20	256QAM	1	49	20.17	20.33	20.22	21.00
20	256QAM	1	99	20.09	20.32	20.21	21.00
20	256QAM	50	0	19.99	20.24	20.13	21.00
20	256QAM	50	24	19.98	20.17	20.05	21.00
20	256QAM	50	50	19.97	20.22	20.09	21.00
20	256QAM	100	0	20.05	20.18	20.06	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.36	23.47	23.49	24.00
15	QPSK	1	37	23.15	23.42	23.29	24.00
15	QPSK	1	74	23.11	23.44	23.40	24.00
15	QPSK	36	0	23.27	23.45	23.39	24.00
15	QPSK	36	20	23.16	23.44	23.33	24.00
15	QPSK	36	39	23.28	23.45	23.29	24.00
15	QPSK	75	0	23.20	23.32	23.22	24.00
15	16QAM	1	0	23.12	23.39	23.21	24.00
15	16QAM	1	37	23.06	23.32	23.24	24.00
15	16QAM	1	74	23.02	23.33	23.22	24.00
15	16QAM	36	0	22.96	23.15	22.95	24.00
15	16QAM	36	20	22.87	23.09	23.00	24.00
15	16QAM	36	39	22.91	23.02	22.98	24.00
15	16QAM	75	0	22.90	23.06	22.96	24.00
15	64QAM	1	0	23.13	23.25	23.16	24.00
15	64QAM	1	37	23.08	23.25	23.18	24.00
15	64QAM	1	74	23.19	23.33	23.23	24.00
15	64QAM	36	0	21.90	22.16	22.06	23.00
15	64QAM	36	20	21.97	22.17	22.09	23.00
15	64QAM	36	39	22.08	22.23	22.13	23.00
15	64QAM	75	0	21.98	22.10	21.87	23.00
15	256QAM	1	0	20.23	20.36	20.23	21.00
15	256QAM	1	37	20.12	20.27	20.13	21.00
15	256QAM	1	74	19.97	20.23	20.09	21.00
15	256QAM	36	0	19.88	20.17	20.01	21.00
15	256QAM	36	20	19.95	20.13	19.94	21.00
15	256QAM	36	39	19.93	20.15	19.95	21.00
15	256QAM	75	0	20.04	20.07	20.04	21.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.42	23.53	23.45	24.00
10	QPSK	1	25	23.13	23.38	23.32	24.00
10	QPSK	1	49	23.19	23.36	23.29	24.00
10	QPSK	25	0	23.27	23.47	23.36	24.00
10	QPSK	25	12	23.18	23.39	23.29	24.00
10	QPSK	25	25	23.33	23.46	23.30	24.00
10	QPSK	50	0	23.23	23.31	23.34	24.00



10	16QAM	1	0	23.11	23.29	23.23	24.00
10	16QAM	1	25	22.97	23.30	23.12	24.00
10	16QAM	1	49	22.97	23.26	23.25	24.00
10	16QAM	25	0	22.97	23.05	22.96	24.00
10	16QAM	25	12	22.99	23.15	22.90	24.00
10	16QAM	25	25	22.88	23.10	23.00	24.00
10	16QAM	50	0	22.91	22.99	22.97	24.00
10	64QAM	1	0	23.09	23.26	23.13	24.00
10	64QAM	1	25	23.09	23.25	23.25	24.00
10	64QAM	1	49	23.23	23.26	23.22	24.00
10	64QAM	25	0	21.99	22.21	21.99	23.00
10	64QAM	25	12	22.04	22.19	22.13	23.00
10	64QAM	25	25	22.01	22.24	22.10	23.00
10	64QAM	50	0	21.95	22.07	21.96	23.00
10	256QAM	1	0	20.17	20.25	20.16	21.00
10	256QAM	1	25	20.12	20.31	20.15	21.00
10	256QAM	1	49	19.96	20.19	20.18	21.00
10	256QAM	25	0	19.87	20.15	20.02	21.00
10	256QAM	25	12	19.88	20.05	20.00	21.00
10	256QAM	25	25	19.95	20.17	19.95	21.00
10	256QAM	50	0	19.96	20.08	20.04	21.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.37	23.54	23.54	24.00
5	QPSK	1	12	23.26	23.41	23.21	24.00
5	QPSK	1	24	23.14	23.45	23.29	24.00
5	QPSK	12	0	23.26	23.49	23.41	24.00
5	QPSK	12	7	23.24	23.44	23.31	24.00
5	QPSK	12	13	23.25	23.34	23.30	24.00
5	QPSK	25	0	23.10	23.43	23.31	24.00
5	16QAM	1	0	23.19	23.37	23.27	24.00
5	16QAM	1	12	23.07	23.36	23.16	24.00
5	16QAM	1	24	23.07	23.30	23.22	24.00
5	16QAM	12	0	22.97	23.05	23.05	24.00
5	16QAM	12	7	22.99	23.12	22.91	24.00
5	16QAM	12	13	22.92	23.02	23.08	24.00
5	16QAM	25	0	22.89	23.08	22.88	24.00
5	64QAM	1	0	23.14	23.23	23.10	24.00
5	64QAM	1	12	23.15	23.24	23.21	24.00
5	64QAM	1	24	23.19	23.29	23.14	24.00
5	64QAM	12	0	21.88	22.10	21.99	23.00
5	64QAM	12	7	22.08	22.21	22.11	23.00
5	64QAM	12	13	22.10	22.24	22.09	23.00
5	64QAM	25	0	21.97	22.15	21.89	23.00
5	256QAM	1	0	20.21	20.26	20.27	21.00
5	256QAM	1	12	20.02	20.23	20.10	21.00
5	256QAM	1	24	20.06	20.30	20.13	21.00
5	256QAM	12	0	19.88	20.18	20.10	21.00
5	256QAM	12	7	19.92	20.12	19.97	21.00
5	256QAM	12	13	19.92	20.14	20.05	21.00
5	256QAM	25	0	19.93	20.09	19.95	21.00

【LTE Band 7_Ant 8_DSI 3】

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	20.82	20.89	20.79	21.70
20	QPSK	1	49	20.69	20.68	20.66	21.70
20	QPSK	1	99	20.73	20.85	20.76	21.70
20	QPSK	50	0	20.81	20.86	20.78	21.70
20	QPSK	50	24	20.79	20.63	20.75	21.70
20	QPSK	50	50	20.68	20.71	20.70	21.70
20	QPSK	100	0	20.68	20.69	20.83	21.70
20	16QAM	1	0	20.77	20.85	20.77	21.70
20	16QAM	1	49	20.80	20.83	20.80	21.70
20	16QAM	1	99	20.81	20.84	20.64	21.70
20	16QAM	50	0	20.77	20.76	20.70	21.70
20	16QAM	50	24	20.65	20.70	20.84	21.70



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20	16QAM	50	50	20.75	20.71	20.67	21.70
20	16QAM	100	0	20.68	20.84	20.68	21.70
20	64QAM	1	0	20.79	20.79	20.64	21.70
20	64QAM	1	49	20.80	20.85	20.73	21.70
20	64QAM	1	99	20.66	20.74	20.82	21.70
20	64QAM	50	0	20.65	20.73	20.66	21.70
20	64QAM	50	24	20.76	20.75	20.72	21.70
20	64QAM	50	50	20.66	20.80	20.66	21.70
20	64QAM	100	0	20.83	20.65	20.83	21.70
20	256QAM	1	0	20.12	20.28	20.16	21.00
20	256QAM	1	49	20.10	20.18	20.17	21.00
20	256QAM	1	99	20.14	20.27	20.08	21.00
20	256QAM	50	0	20.22	20.21	20.15	21.00
20	256QAM	50	24	20.10	20.28	20.18	21.00
20	256QAM	50	50	20.17	20.24	20.28	21.00
20	256QAM	100	0	20.22	20.24	20.27	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.61	20.81	20.72	21.70
15	QPSK	1	37	20.55	20.55	20.57	21.70
15	QPSK	1	74	20.65	20.72	20.71	21.70
15	QPSK	36	0	20.61	20.80	20.60	21.70
15	QPSK	36	20	20.70	20.60	20.67	21.70
15	QPSK	36	39	20.66	20.59	20.62	21.70
15	QPSK	75	0	20.56	20.68	20.81	21.70
15	16QAM	1	0	20.63	20.82	20.75	21.70
15	16QAM	1	37	20.77	20.74	20.67	21.70
15	16QAM	1	74	20.74	20.81	20.62	21.70
15	16QAM	36	0	20.71	20.66	20.58	21.70
15	16QAM	36	20	20.62	20.68	20.73	21.70
15	16QAM	36	39	20.63	20.63	20.61	21.70
15	16QAM	75	0	20.62	20.81	20.60	21.70
15	64QAM	1	0	20.77	20.71	20.57	21.70
15	64QAM	1	37	20.74	20.73	20.60	21.70
15	64QAM	1	74	20.58	20.66	20.68	21.70
15	64QAM	36	0	20.55	20.62	20.64	21.70
15	64QAM	36	20	20.68	20.63	20.59	21.70
15	64QAM	36	39	20.57	20.69	20.58	21.70
15	64QAM	75	0	20.77	20.61	20.72	21.70
15	256QAM	1	0	20.08	20.23	20.06	21.00
15	256QAM	1	37	20.06	20.07	20.14	21.00
15	256QAM	1	74	20.01	20.14	20.02	21.00
15	256QAM	36	0	20.14	20.15	20.11	21.00
15	256QAM	36	20	20.03	20.23	20.10	21.00
15	256QAM	36	39	20.09	20.23	20.18	21.00
15	256QAM	75	0	20.19	20.19	20.17	21.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.52	20.84	20.75	21.70
10	QPSK	1	25	20.58	20.64	20.60	21.70
10	QPSK	1	49	20.65	20.76	20.68	21.70
10	QPSK	25	0	20.66	20.79	20.71	21.70
10	QPSK	25	12	20.71	20.50	20.60	21.70
10	QPSK	25	25	20.55	20.67	20.65	21.70
10	QPSK	50	0	20.67	20.68	20.69	21.70
10	16QAM	1	0	20.62	20.74	20.64	21.70
10	16QAM	1	25	20.77	20.74	20.73	21.70
10	16QAM	1	49	20.67	20.83	20.58	21.70
10	16QAM	25	0	20.64	20.68	20.68	21.70
10	16QAM	25	12	20.59	20.67	20.72	21.70
10	16QAM	25	25	20.74	20.69	20.64	21.70
10	16QAM	50	0	20.57	20.79	20.62	21.70
10	64QAM	1	0	20.66	20.67	20.58	21.70
10	64QAM	1	25	20.67	20.78	20.62	21.70
10	64QAM	1	49	20.64	20.72	20.73	21.70
10	64QAM	25	0	20.63	20.65	20.57	21.70
10	64QAM	25	12	20.64	20.72	20.69	21.70
10	64QAM	25	25	20.61	20.77	20.58	21.70
10	64QAM	50	0	20.69	20.57	20.76	21.70
10	256QAM	1	0	20.08	20.20	20.12	21.00
10	256QAM	1	25	20.04	20.12	20.15	21.00
10	256QAM	1	49	20.07	20.22	19.97	21.00
10	256QAM	25	0	20.20	20.14	20.11	21.00
10	256QAM	25	12	19.99	20.16	20.08	21.00



10	256QAM	25	25	20.08	20.14	20.26	21.00
10	256QAM	50	0	20.12	20.19	20.24	21.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.54	20.85	20.74	21.70
5	QPSK	1	12	20.66	20.64	20.60	21.70
5	QPSK	1	24	20.66	20.83	20.67	21.70
5	QPSK	12	0	20.65	20.81	20.60	21.70
5	QPSK	12	7	20.74	20.58	20.70	21.70
5	QPSK	12	13	20.55	20.64	20.68	21.70
5	QPSK	25	0	20.59	20.62	20.74	21.70
5	16QAM	1	0	20.66	20.79	20.66	21.70
5	16QAM	1	12	20.75	20.82	20.79	21.70
5	16QAM	1	24	20.77	20.80	20.61	21.70
5	16QAM	12	0	20.70	20.66	20.67	21.70
5	16QAM	12	7	20.51	20.62	20.81	21.70
5	16QAM	12	13	20.64	20.64	20.57	21.70
5	16QAM	25	0	20.61	20.82	20.59	21.70
5	64QAM	1	0	20.68	20.78	20.53	21.70
5	64QAM	1	12	20.78	20.81	20.69	21.70
5	64QAM	1	24	20.63	20.69	20.71	21.70
5	64QAM	12	0	20.63	20.64	20.57	21.70
5	64QAM	12	7	20.65	20.64	20.62	21.70
5	64QAM	12	13	20.64	20.68	20.53	21.70
5	64QAM	25	0	20.75	20.51	20.78	21.70
5	256QAM	1	0	20.06	20.20	20.07	21.00
5	256QAM	1	12	20.01	20.07	20.07	21.00
5	256QAM	1	24	20.09	20.15	20.05	21.00
5	256QAM	12	0	20.19	20.12	20.13	21.00
5	256QAM	12	7	20.04	20.14	20.15	21.00
5	256QAM	12	13	20.08	20.22	20.25	21.00
5	256QAM	25	0	20.18	20.10	20.13	21.00

【LTE Band 7_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.46	23.58	23.55	24.00
20	QPSK	1	49	23.27	23.52	23.35	24.00
20	QPSK	1	99	23.22	23.48	23.43	24.00
20	QPSK	50	0	23.41	23.56	23.47	24.00
20	QPSK	50	24	23.28	23.47	23.37	24.00
20	QPSK	50	50	23.36	23.48	23.42	24.00
20	QPSK	100	0	23.24	23.46	23.35	24.00
20	16QAM	1	0	23.24	23.41	23.29	24.00
20	16QAM	1	49	23.12	23.38	23.26	24.00
20	16QAM	1	99	23.09	23.36	23.30	24.00
20	16QAM	50	0	23.05	23.19	23.06	24.00
20	16QAM	50	24	23.01	23.18	23.02	24.00
20	16QAM	50	50	23.03	23.16	23.09	24.00
20	16QAM	100	0	22.99	23.13	22.99	24.00
20	64QAM	1	0	23.20	23.36	23.20	24.00
20	64QAM	1	49	23.16	23.33	23.29	24.00
20	64QAM	1	99	23.25	23.41	23.24	24.00
20	64QAM	50	0	22.01	22.24	22.07	23.00
20	64QAM	50	24	22.09	22.31	22.15	23.00
20	64QAM	50	50	22.13	22.26	22.14	23.00
20	64QAM	100	0	22.03	22.18	22.00	23.00
20	256QAM	1	0	20.25	20.39	20.31	21.00
20	256QAM	1	49	20.17	20.33	20.22	21.00
20	256QAM	1	99	20.09	20.32	20.21	21.00
20	256QAM	50	0	19.99	20.24	20.13	21.00
20	256QAM	50	24	19.98	20.17	20.05	21.00
20	256QAM	50	50	19.97	20.22	20.09	21.00
20	256QAM	100	0	20.05	20.18	20.06	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.36	23.47	23.49	24.00



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15	QPSK	1	37	23.15	23.42	23.29	24.00
15	QPSK	1	74	23.11	23.44	23.40	24.00
15	QPSK	36	0	23.27	23.45	23.39	24.00
15	QPSK	36	20	23.16	23.44	23.33	24.00
15	QPSK	36	39	23.28	23.45	23.29	24.00
15	QPSK	75	0	23.20	23.32	23.22	24.00
15	16QAM	1	0	23.12	23.39	23.21	24.00
15	16QAM	1	37	23.06	23.32	23.24	24.00
15	16QAM	1	74	23.02	23.33	23.22	24.00
15	16QAM	36	0	22.96	23.15	22.95	24.00
15	16QAM	36	20	22.87	23.09	23.00	24.00
15	16QAM	36	39	22.91	23.02	22.98	24.00
15	16QAM	75	0	22.90	23.06	22.96	24.00
15	64QAM	1	0	23.13	23.25	23.16	24.00
15	64QAM	1	37	23.08	23.25	23.18	24.00
15	64QAM	1	74	23.19	23.33	23.23	24.00
15	64QAM	36	0	21.90	22.16	22.06	23.00
15	64QAM	36	20	21.97	22.17	22.09	23.00
15	64QAM	36	39	22.08	22.23	22.13	23.00
15	64QAM	75	0	21.98	22.10	21.87	23.00
15	256QAM	1	0	20.23	20.36	20.23	21.00
15	256QAM	1	37	20.12	20.27	20.13	21.00
15	256QAM	1	74	19.97	20.23	20.09	21.00
15	256QAM	36	0	19.88	20.17	20.01	21.00
15	256QAM	36	20	19.95	20.13	19.94	21.00
15	256QAM	36	39	19.93	20.15	19.95	21.00
15	256QAM	75	0	20.04	20.07	20.04	21.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	23.42	23.53	23.45	24.00
10	QPSK	1	25	23.13	23.38	23.32	24.00
10	QPSK	1	49	23.19	23.36	23.29	24.00
10	QPSK	25	0	23.27	23.47	23.36	24.00
10	QPSK	25	12	23.18	23.39	23.29	24.00
10	QPSK	25	25	23.33	23.46	23.30	24.00
10	QPSK	50	0	23.23	23.31	23.34	24.00
10	16QAM	1	0	23.11	23.29	23.23	24.00
10	16QAM	1	25	22.97	23.30	23.12	24.00
10	16QAM	1	49	22.97	23.26	23.25	24.00
10	16QAM	25	0	22.97	23.05	22.96	24.00
10	16QAM	25	12	22.99	23.15	22.90	24.00
10	16QAM	25	25	22.88	23.10	23.00	24.00
10	16QAM	50	0	22.91	22.99	22.97	24.00
10	64QAM	1	0	23.09	23.26	23.13	24.00
10	64QAM	1	25	23.09	23.25	23.25	24.00
10	64QAM	1	49	23.23	23.26	23.22	24.00
10	64QAM	25	0	21.99	22.21	21.99	23.00
10	64QAM	25	12	22.04	22.19	22.13	23.00
10	64QAM	25	25	22.01	22.24	22.10	23.00
10	64QAM	50	0	21.95	22.07	21.96	23.00
10	256QAM	1	0	20.17	20.25	20.16	21.00
10	256QAM	1	25	20.12	20.31	20.15	21.00
10	256QAM	1	49	19.96	20.19	20.18	21.00
10	256QAM	25	0	19.87	20.15	20.02	21.00
10	256QAM	25	12	19.88	20.05	20.00	21.00
10	256QAM	25	25	19.95	20.17	19.95	21.00
10	256QAM	50	0	19.96	20.08	20.04	21.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.37	23.54	23.54	24.00
5	QPSK	1	12	23.26	23.41	23.21	24.00
5	QPSK	1	24	23.14	23.45	23.29	24.00
5	QPSK	12	0	23.26	23.49	23.41	24.00
5	QPSK	12	7	23.24	23.44	23.31	24.00
5	QPSK	12	13	23.25	23.34	23.30	24.00
5	QPSK	25	0	23.10	23.43	23.31	24.00
5	16QAM	1	0	23.19	23.37	23.27	24.00
5	16QAM	1	12	23.07	23.36	23.16	24.00
5	16QAM	1	24	23.07	23.30	23.22	24.00
5	16QAM	12	0	22.97	23.05	23.05	24.00
5	16QAM	12	7	22.99	23.12	22.91	24.00
5	16QAM	12	13	22.92	23.02	23.08	24.00
5	16QAM	25	0	22.89	23.08	22.88	24.00
5	64QAM	1	0	23.14	23.23	23.10	24.00



5	64QAM	1	12	23.15	23.24	23.21	24.00
5	64QAM	1	24	23.19	23.29	23.14	24.00
5	64QAM	12	0	21.88	22.10	21.99	23.00
5	64QAM	12	7	22.08	22.21	22.11	23.00
5	64QAM	12	13	22.10	22.24	22.09	23.00
5	64QAM	25	0	21.97	22.15	21.89	23.00
5	256QAM	1	0	20.21	20.26	20.27	21.00
5	256QAM	1	12	20.02	20.23	20.10	21.00
5	256QAM	1	24	20.06	20.30	20.13	21.00
5	256QAM	12	0	19.88	20.18	20.10	21.00
5	256QAM	12	7	19.92	20.12	19.97	21.00
5	256QAM	12	13	19.92	20.14	20.05	21.00
5	256QAM	25	0	19.93	20.09	19.95	21.00

【LTE Band 7_Ant 8_DSI 6】

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	21.81	21.85	21.83	22.90
20	QPSK	1	49	21.67	21.70	21.58	22.90
20	QPSK	1	99	21.79	21.70	21.58	22.90
20	QPSK	50	0	21.72	21.76	21.74	22.90
20	QPSK	50	24	21.67	21.58	21.68	22.90
20	QPSK	50	50	21.67	21.75	21.71	22.90
20	QPSK	100	0	21.73	21.60	21.68	22.90
20	16QAM	1	0	21.62	21.80	21.60	22.90
20	16QAM	1	49	21.63	21.74	21.74	22.90
20	16QAM	1	99	21.74	21.81	21.78	22.90
20	16QAM	50	0	21.73	21.67	21.77	22.90
20	16QAM	50	24	21.66	21.76	21.82	22.90
20	16QAM	50	50	21.63	21.72	21.78	22.90
20	16QAM	100	0	21.63	21.66	21.71	22.90
20	64QAM	1	0	21.79	21.77	21.64	22.90
20	64QAM	1	49	21.79	21.74	21.72	22.90
20	64QAM	1	99	21.77	21.81	21.75	22.90
20	64QAM	50	0	21.64	21.73	21.76	22.90
20	64QAM	50	24	21.58	21.74	21.73	22.90
20	64QAM	50	50	21.78	21.62	21.61	22.90
20	64QAM	100	0	21.70	21.80	21.63	22.90
20	256QAM	1	0	19.72	19.74	19.92	21.00
20	256QAM	1	49	19.87	19.83	19.88	21.00
20	256QAM	1	99	19.90	19.79	19.73	21.00
20	256QAM	50	0	19.84	19.68	19.70	21.00
20	256QAM	50	24	19.77	19.82	19.76	21.00
20	256QAM	50	50	19.80	19.89	19.78	21.00
20	256QAM	100	0	19.80	19.88	19.80	21.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.76	21.75	21.70	22.90
15	QPSK	1	37	21.58	21.68	21.49	22.90
15	QPSK	1	74	21.66	21.55	21.50	22.90
15	QPSK	36	0	21.67	21.65	21.55	22.90
15	QPSK	36	20	21.56	21.46	21.70	22.90
15	QPSK	36	39	21.62	21.71	21.64	22.90
15	QPSK	75	0	21.63	21.55	21.60	22.90
15	16QAM	1	0	21.60	21.69	21.47	22.90
15	16QAM	1	37	21.53	21.62	21.63	22.90
15	16QAM	1	74	21.64	21.70	21.67	22.90
15	16QAM	36	0	21.64	21.61	21.67	22.90
15	16QAM	36	20	21.55	21.70	21.78	22.90
15	16QAM	36	39	21.56	21.60	21.73	22.90
15	16QAM	75	0	21.59	21.58	21.62	22.90
15	64QAM	1	0	21.65	21.70	21.54	22.90
15	64QAM	1	37	21.70	21.65	21.61	22.90
15	64QAM	1	74	21.72	21.79	21.68	22.90
15	64QAM	36	0	21.61	21.59	21.75	22.90
15	64QAM	36	20	21.45	21.63	21.59	22.90
15	64QAM	36	39	21.67	21.52	21.47	22.90



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15	64QAM	75	0	21.56	21.73	21.55	22.90
15	256QAM	1	0	19.64	19.60	19.84	21.00
15	256QAM	1	37	19.77	19.80	19.76	21.00
15	256QAM	1	74	19.84	19.71	19.61	21.00
15	256QAM	36	0	19.80	19.59	19.68	21.00
15	256QAM	36	20	19.72	19.69	19.71	21.00
15	256QAM	36	39	19.74	19.83	19.64	21.00
15	256QAM	75	0	19.71	19.86	19.68	21.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.79	21.70	21.74	22.90
10	QPSK	1	25	21.64	21.59	21.52	22.90
10	QPSK	1	49	21.74	21.57	21.50	22.90
10	QPSK	25	0	21.70	21.65	21.49	22.90
10	QPSK	25	12	21.63	21.53	21.65	22.90
10	QPSK	25	25	21.61	21.68	21.68	22.90
10	QPSK	50	0	21.62	21.54	21.55	22.90
10	16QAM	1	0	21.55	21.70	21.58	22.90
10	16QAM	1	25	21.57	21.70	21.70	22.90
10	16QAM	1	49	21.64	21.67	21.75	22.90
10	16QAM	25	0	21.70	21.53	21.74	22.90
10	16QAM	25	12	21.62	21.65	21.70	22.90
10	16QAM	25	25	21.56	21.66	21.70	22.90
10	16QAM	50	0	21.55	21.54	21.57	22.90
10	64QAM	1	0	21.64	21.74	21.59	22.90
10	64QAM	1	25	21.68	21.64	21.71	22.90
10	64QAM	1	49	21.72	21.74	21.62	22.90
10	64QAM	25	0	21.55	21.60	21.71	22.90
10	64QAM	25	12	21.54	21.69	21.67	22.90
10	64QAM	25	25	21.65	21.57	21.58	22.90
10	64QAM	50	0	21.64	21.77	21.60	22.90
10	256QAM	1	0	19.61	19.71	19.91	21.00
10	256QAM	1	25	19.78	19.76	19.81	21.00
10	256QAM	1	49	19.81	19.77	19.70	21.00
10	256QAM	25	0	19.73	19.65	19.59	21.00
10	256QAM	25	12	19.65	19.76	19.61	21.00
10	256QAM	25	25	19.67	19.87	19.74	21.00
10	256QAM	50	0	19.68	19.76	19.67	21.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.70	21.77	21.73	22.90
5	QPSK	1	12	21.57	21.57	21.44	22.90
5	QPSK	1	24	21.75	21.67	21.45	22.90
5	QPSK	12	0	21.60	21.60	21.47	22.90
5	QPSK	12	7	21.53	21.45	21.67	22.90
5	QPSK	12	13	21.58	21.72	21.67	22.90
5	QPSK	25	0	21.70	21.46	21.53	22.90
5	16QAM	1	0	21.48	21.68	21.47	22.90
5	16QAM	1	12	21.49	21.63	21.64	22.90
5	16QAM	1	24	21.66	21.75	21.71	22.90
5	16QAM	12	0	21.65	21.57	21.73	22.90
5	16QAM	12	7	21.60	21.67	21.73	22.90
5	16QAM	12	13	21.56	21.59	21.66	22.90
5	16QAM	25	0	21.56	21.64	21.57	22.90
5	64QAM	1	0	21.68	21.63	21.52	22.90
5	64QAM	1	12	21.75	21.73	21.67	22.90
5	64QAM	1	24	21.74	21.68	21.70	22.90
5	64QAM	12	0	21.54	21.69	21.62	22.90
5	64QAM	12	7	21.47	21.67	21.71	22.90
5	64QAM	12	13	21.75	21.53	21.56	22.90
5	64QAM	25	0	21.59	21.69	21.55	22.90
5	256QAM	1	0	19.58	19.64	19.90	21.00
5	256QAM	1	12	19.86	19.75	19.81	21.00
5	256QAM	1	24	19.78	19.67	19.59	21.00
5	256QAM	12	0	19.80	19.57	19.63	21.00
5	256QAM	12	7	19.73	19.73	19.66	21.00
5	256QAM	12	13	19.67	19.76	19.66	21.00
5	256QAM	25	0	19.74	19.81	19.70	21.00



【LTE Band 7_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	18.63	18.79	18.75	19.70
20	QPSK	1	49	18.58	18.60	18.61	19.70
20	QPSK	1	99	18.60	18.64	18.55	19.70
20	QPSK	50	0	18.67	18.75	18.73	19.70
20	QPSK	50	24	18.55	18.54	18.71	19.70
20	QPSK	50	50	18.62	18.67	18.68	19.70
20	QPSK	100	0	18.66	18.53	18.66	19.70
20	16QAM	1	0	18.49	18.55	18.72	19.70
20	16QAM	1	49	18.65	18.69	18.55	19.70
20	16QAM	1	99	18.54	18.59	18.49	19.70
20	16QAM	50	0	18.68	18.50	18.63	19.70
20	16QAM	50	24	18.53	18.48	18.52	19.70
20	16QAM	50	50	18.54	18.56	18.57	19.70
20	16QAM	100	0	18.55	18.66	18.72	19.70
20	64QAM	1	0	18.48	18.57	18.67	19.70
20	64QAM	1	49	18.71	18.55	18.54	19.70
20	64QAM	1	99	18.60	18.51	18.63	19.70
20	64QAM	50	0	18.50	18.60	18.53	19.70
20	64QAM	50	24	18.48	18.71	18.56	19.70
20	64QAM	50	50	18.62	18.65	18.62	19.70
20	64QAM	100	0	18.63	18.62	18.59	19.70
20	256QAM	1	0	18.32	18.25	18.20	19.40
20	256QAM	1	49	18.22	18.25	18.24	19.40
20	256QAM	1	99	18.34	18.28	18.31	19.40
20	256QAM	50	0	18.30	18.24	18.32	19.40
20	256QAM	50	24	18.18	18.38	18.29	19.40
20	256QAM	50	50	18.36	18.32	18.36	19.40
20	256QAM	100	0	18.36	18.23	18.29	19.40
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.61	18.66	18.67	19.70
15	QPSK	1	37	18.55	18.56	18.56	19.70
15	QPSK	1	74	18.59	18.53	18.51	19.70
15	QPSK	36	0	18.61	18.69	18.55	19.70
15	QPSK	36	20	18.49	18.53	18.66	19.70
15	QPSK	36	39	18.51	18.65	18.54	19.70
15	QPSK	75	0	18.63	18.42	18.54	19.70
15	16QAM	1	0	18.36	18.45	18.71	19.70
15	16QAM	1	37	18.50	18.68	18.51	19.70
15	16QAM	1	74	18.51	18.56	18.34	19.70
15	16QAM	36	0	18.59	18.43	18.54	19.70
15	16QAM	36	20	18.47	18.40	18.37	19.70
15	16QAM	36	39	18.49	18.53	18.46	19.70
15	16QAM	75	0	18.47	18.63	18.68	19.70
15	64QAM	1	0	18.41	18.44	18.64	19.70
15	64QAM	1	37	18.68	18.52	18.42	19.70
15	64QAM	1	74	18.51	18.44	18.61	19.70
15	64QAM	36	0	18.49	18.56	18.43	19.70
15	64QAM	36	20	18.33	18.64	18.52	19.70
15	64QAM	36	39	18.51	18.59	18.60	19.70
15	64QAM	75	0	18.58	18.51	18.49	19.70
15	256QAM	1	0	18.25	18.19	18.06	19.40
15	256QAM	1	37	18.16	18.21	18.17	19.40
15	256QAM	1	74	18.25	18.27	18.23	19.40
15	256QAM	36	0	18.18	18.18	18.25	19.40
15	256QAM	36	20	18.12	18.23	18.17	19.40
15	256QAM	36	39	18.33	18.23	18.29	19.40
15	256QAM	75	0	18.30	18.08	18.23	19.40
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	18.50	18.69	18.74	19.70
10	QPSK	1	25	18.45	18.51	18.51	19.70
10	QPSK	1	49	18.54	18.63	18.47	19.70
10	QPSK	25	0	18.62	18.61	18.62	19.70
10	QPSK	25	12	18.53	18.53	18.56	19.70
10	QPSK	25	25	18.51	18.56	18.62	19.70
10	QPSK	50	0	18.52	18.41	18.61	19.70



10	16QAM	1	0	18.44	18.52	18.65	19.70
10	16QAM	1	25	18.64	18.55	18.50	19.70
10	16QAM	1	49	18.51	18.49	18.40	19.70
10	16QAM	25	0	18.62	18.40	18.59	19.70
10	16QAM	25	12	18.42	18.40	18.47	19.70
10	16QAM	25	25	18.44	18.42	18.53	19.70
10	16QAM	50	0	18.42	18.53	18.62	19.70
10	64QAM	1	0	18.47	18.46	18.52	19.70
10	64QAM	1	25	18.58	18.41	18.43	19.70
10	64QAM	1	49	18.56	18.48	18.49	19.70
10	64QAM	25	0	18.38	18.58	18.52	19.70
10	64QAM	25	12	18.38	18.59	18.46	19.70
10	64QAM	25	25	18.49	18.58	18.51	19.70
10	64QAM	50	0	18.49	18.54	18.55	19.70
10	256QAM	1	0	18.27	18.11	18.07	19.40
10	256QAM	1	25	18.16	18.17	18.12	19.40
10	256QAM	1	49	18.31	18.21	18.24	19.40
10	256QAM	25	0	18.20	18.18	18.26	19.40
10	256QAM	25	12	18.17	18.26	18.22	19.40
10	256QAM	25	25	18.32	18.17	18.26	19.40
10	256QAM	50	0	18.29	18.16	18.20	19.40
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.61	18.66	18.62	19.70
5	QPSK	1	12	18.52	18.51	18.54	19.70
5	QPSK	1	24	18.51	18.53	18.41	19.70
5	QPSK	12	0	18.58	18.71	18.49	19.70
5	QPSK	12	7	18.52	18.44	18.69	19.70
5	QPSK	12	13	18.56	18.60	18.61	19.70
5	QPSK	25	0	18.53	18.46	18.59	19.70
5	16QAM	1	0	18.43	18.50	18.62	19.70
5	16QAM	1	12	18.55	18.56	18.41	19.70
5	16QAM	1	24	18.42	18.47	18.34	19.70
5	16QAM	12	0	18.59	18.44	18.58	19.70
5	16QAM	12	7	18.40	18.39	18.39	19.70
5	16QAM	12	13	18.45	18.41	18.45	19.70
5	16QAM	25	0	18.48	18.65	18.68	19.70
5	64QAM	1	0	18.36	18.50	18.55	19.70
5	64QAM	1	12	18.62	18.40	18.40	19.70
5	64QAM	1	24	18.47	18.41	18.59	19.70
5	64QAM	12	0	18.48	18.57	18.51	19.70
5	64QAM	12	7	18.42	18.70	18.55	19.70
5	64QAM	12	13	18.55	18.54	18.57	19.70
5	64QAM	25	0	18.59	18.55	18.44	19.70
5	256QAM	1	0	18.29	18.16	18.10	19.40
5	256QAM	1	12	18.15	18.23	18.14	19.40
5	256QAM	1	24	18.22	18.19	18.22	19.40
5	256QAM	12	0	18.26	18.11	18.26	19.40
5	256QAM	12	7	18.03	18.28	18.24	19.40
5	256QAM	12	13	18.26	18.28	18.28	19.40
5	256QAM	25	0	18.22	18.15	18.16	19.40

【LTE Band 12_Ant 0_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	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00



10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00
5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00
5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00
3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00



3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00
1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00

【LTE Band 12_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00
10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00



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5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00
5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00
3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00
3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00



1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00

【LTE Band 12_Ant 0_DSI 3】

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	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00
10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00
5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00



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5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00
3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00
3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00
1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00



【LTE Band 12_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00
10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00
5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00
5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00



3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00
3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00
1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00

【LTE Band 12_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00



10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00
5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00
5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00
3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00



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3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00
1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00

【LTE Band 12_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.25	23.35	23.11	24.00
10	QPSK	1	25	23.00	23.21	22.95	24.00
10	QPSK	1	49	23.07	23.33	23.16	24.00
10	QPSK	25	0	23.19	23.31	22.95	24.00
10	QPSK	25	12	23.19	23.20	23.02	24.00
10	QPSK	25	25	23.01	23.27	23.17	24.00
10	QPSK	50	0	23.09	23.12	23.19	24.00
10	16QAM	1	0	23.19	23.16	23.23	24.00
10	16QAM	1	25	23.05	23.23	23.14	24.00
10	16QAM	1	49	23.09	23.22	23.12	24.00
10	16QAM	25	0	22.82	23.01	22.85	24.00
10	16QAM	25	12	22.84	23.09	22.85	24.00
10	16QAM	25	25	22.87	23.05	22.97	24.00
10	16QAM	50	0	23.03	22.88	22.73	24.00
10	64QAM	1	0	23.07	22.89	22.94	24.00
10	64QAM	1	25	22.97	23.19	22.97	24.00
10	64QAM	1	49	22.90	23.10	22.89	24.00
10	64QAM	25	0	21.71	21.96	21.62	23.00
10	64QAM	25	12	21.90	22.11	21.73	23.00
10	64QAM	25	25	21.83	21.98	21.83	23.00
10	64QAM	50	0	21.96	21.87	21.67	23.00
10	256QAM	1	0	19.78	19.79	19.94	21.00
10	256QAM	1	25	19.76	20.01	19.86	21.00
10	256QAM	1	49	19.69	19.72	19.69	21.00
10	256QAM	25	0	19.84	19.88	19.71	21.00
10	256QAM	25	12	20.07	19.94	19.99	21.00
10	256QAM	25	25	19.82	20.03	19.77	21.00
10	256QAM	50	0	19.84	19.94	19.76	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.21	23.32	23.05	24.00



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5	QPSK	1	12	22.92	23.10	22.87	24.00
5	QPSK	1	24	23.03	23.22	23.14	24.00
5	QPSK	12	0	23.17	23.24	22.86	24.00
5	QPSK	12	7	23.10	23.19	23.00	24.00
5	QPSK	12	13	22.89	23.19	23.08	24.00
5	QPSK	25	0	22.95	23.03	23.15	24.00
5	16QAM	1	0	23.07	23.14	23.10	24.00
5	16QAM	1	12	23.01	23.16	23.13	24.00
5	16QAM	1	24	23.02	23.14	22.98	24.00
5	16QAM	12	0	22.80	22.97	22.72	24.00
5	16QAM	12	7	22.74	22.94	22.79	24.00
5	16QAM	12	13	22.75	23.03	22.92	24.00
5	16QAM	25	0	22.90	22.75	22.62	24.00
5	64QAM	1	0	23.02	22.83	22.79	24.00
5	64QAM	1	12	22.84	23.11	22.86	24.00
5	64QAM	1	24	22.80	23.03	22.81	24.00
5	64QAM	12	0	21.65	21.90	21.48	23.00
5	64QAM	12	7	21.75	22.00	21.66	23.00
5	64QAM	12	13	21.79	21.97	21.73	23.00
5	64QAM	25	0	21.87	21.84	21.60	23.00
5	256QAM	1	0	19.70	19.68	19.79	21.00
5	256QAM	1	12	19.67	19.96	19.82	21.00
5	256QAM	1	24	19.64	19.67	19.56	21.00
5	256QAM	12	0	19.80	19.75	19.59	21.00
5	256QAM	12	7	19.92	19.90	19.85	21.00
5	256QAM	12	13	19.70	19.99	19.65	21.00
5	256QAM	25	0	19.69	19.83	19.73	21.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.11	23.21	23.04	24.00
3	QPSK	1	8	22.86	23.14	22.88	24.00
3	QPSK	1	14	22.93	23.19	23.06	24.00
3	QPSK	8	0	23.11	23.22	22.86	24.00
3	QPSK	8	4	23.07	23.09	22.92	24.00
3	QPSK	8	7	22.93	23.18	23.16	24.00
3	QPSK	15	0	22.98	23.01	23.16	24.00
3	16QAM	1	0	23.04	23.07	23.17	24.00
3	16QAM	1	8	22.94	23.08	23.02	24.00
3	16QAM	1	14	22.99	23.09	23.06	24.00
3	16QAM	8	0	22.76	22.96	22.74	24.00
3	16QAM	8	4	22.80	23.03	22.74	24.00
3	16QAM	8	7	22.77	22.94	22.92	24.00
3	16QAM	15	0	22.95	22.74	22.71	24.00
3	64QAM	1	0	23.05	22.87	22.82	24.00
3	64QAM	1	8	22.94	23.11	22.83	24.00
3	64QAM	1	14	22.88	23.07	22.78	24.00
3	64QAM	8	0	21.63	21.81	21.61	23.00
3	64QAM	8	4	21.85	22.00	21.70	23.00
3	64QAM	8	7	21.71	21.95	21.73	23.00
3	64QAM	15	0	21.85	21.72	21.63	23.00
3	256QAM	1	0	19.74	19.76	19.83	21.00
3	256QAM	1	8	19.67	19.98	19.83	21.00
3	256QAM	1	14	19.60	19.65	19.55	21.00
3	256QAM	8	0	19.75	19.83	19.69	21.00
3	256QAM	8	4	19.96	19.80	19.94	21.00
3	256QAM	8	7	19.67	19.91	19.66	21.00
3	256QAM	15	0	19.69	19.93	19.66	21.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.12	23.23	22.97	24.00
1.4	QPSK	1	3	22.99	23.16	22.91	24.00
1.4	QPSK	1	5	23.01	23.28	23.12	24.00
1.4	QPSK	3	0	23.17	23.26	22.83	24.00
1.4	QPSK	3	1	23.11	23.10	22.91	24.00
1.4	QPSK	3	3	22.96	23.23	23.11	24.00
1.4	QPSK	6	0	23.07	23.03	23.15	24.00
1.4	16QAM	1	0	23.09	23.02	23.22	24.00
1.4	16QAM	1	3	23.02	23.19	23.04	24.00
1.4	16QAM	1	5	22.96	23.19	23.09	24.00
1.4	16QAM	3	0	22.69	22.96	22.83	24.00
1.4	16QAM	3	1	22.80	22.94	22.75	24.00
1.4	16QAM	3	3	22.75	23.03	22.96	24.00
1.4	16QAM	6	0	22.91	22.75	22.67	24.00
1.4	64QAM	1	0	22.99	22.77	22.84	24.00



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1.4	64QAM	1	3	22.87	23.05	22.88	24.00
1.4	64QAM	1	5	22.76	23.00	22.79	24.00
1.4	64QAM	3	0	21.67	21.83	21.53	23.00
1.4	64QAM	3	1	21.86	22.03	21.67	23.00
1.4	64QAM	3	3	21.68	21.89	21.81	23.00
1.4	64QAM	6	0	21.90	21.75	21.57	23.00
1.4	256QAM	1	0	19.73	19.66	19.91	21.00
1.4	256QAM	1	3	19.66	19.98	19.80	21.00
1.4	256QAM	1	5	19.59	19.60	19.60	21.00
1.4	256QAM	3	0	19.72	19.82	19.66	21.00
1.4	256QAM	3	1	20.04	19.81	19.93	21.00
1.4	256QAM	3	3	19.78	19.93	19.62	21.00
1.4	256QAM	6	0	19.79	19.92	19.69	21.00

【LTE Band 12_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				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.46	23.56	23.53	24.00
10	QPSK	1	25	23.28	23.51	23.39	24.00
10	QPSK	1	49	23.34	23.52	23.44	24.00
10	QPSK	25	0	23.38	23.54	23.38	24.00
10	QPSK	25	12	23.36	23.48	23.34	24.00
10	QPSK	25	25	23.30	23.44	23.28	24.00
10	QPSK	50	0	23.21	23.46	23.36	24.00
10	16QAM	1	0	23.23	23.42	23.33	24.00
10	16QAM	1	25	23.25	23.47	23.30	24.00
10	16QAM	1	49	23.26	23.49	23.42	24.00
10	16QAM	25	0	23.19	23.42	23.26	24.00
10	16QAM	25	12	23.13	23.38	23.29	24.00
10	16QAM	25	25	23.18	23.34	23.27	24.00
10	16QAM	50	0	23.13	23.31	23.13	24.00
10	64QAM	1	0	23.11	23.33	23.27	24.00
10	64QAM	1	25	23.18	23.36	23.32	24.00
10	64QAM	1	49	23.21	23.34	23.18	24.00
10	64QAM	25	0	22.36	22.49	22.37	23.00
10	64QAM	25	12	22.22	22.46	22.34	23.00
10	64QAM	25	25	22.32	22.48	22.41	23.00
10	64QAM	50	0	22.32	22.43	22.27	23.00
10	256QAM	1	0	20.32	20.51	20.44	21.00
10	256QAM	1	25	20.34	20.47	20.29	21.00
10	256QAM	1	49	20.24	20.45	20.28	21.00
10	256QAM	25	0	20.27	20.43	20.32	21.00
10	256QAM	25	12	20.29	20.46	20.34	21.00
10	256QAM	25	25	20.26	20.44	20.27	21.00
10	256QAM	50	0	20.28	20.39	20.26	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.38	23.46	23.41	24.00
5	QPSK	1	12	23.18	23.43	23.38	24.00
5	QPSK	1	24	23.21	23.45	23.33	24.00
5	QPSK	12	0	23.35	23.39	23.36	24.00
5	QPSK	12	7	23.32	23.33	23.26	24.00
5	QPSK	12	13	23.26	23.42	23.17	24.00
5	QPSK	25	0	23.08	23.39	23.27	24.00
5	16QAM	1	0	23.15	23.38	23.29	24.00
5	16QAM	1	12	23.14	23.41	23.16	24.00
5	16QAM	1	24	23.25	23.41	23.40	24.00
5	16QAM	12	0	23.15	23.37	23.16	24.00
5	16QAM	12	7	23.07	23.36	23.20	24.00
5	16QAM	12	13	23.11	23.23	23.23	24.00
5	16QAM	25	0	23.06	23.26	22.98	24.00
5	64QAM	1	0	23.08	23.18	23.16	24.00
5	64QAM	1	12	23.13	23.28	23.23	24.00
5	64QAM	1	24	23.17	23.26	23.12	24.00
5	64QAM	12	0	22.21	22.39	22.34	23.00
5	64QAM	12	7	22.07	22.39	22.23	23.00
5	64QAM	12	13	22.28	22.43	22.30	23.00



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5	64QAM	25	0	22.30	22.40	22.13	23.00
5	256QAM	1	0	20.17	20.39	20.41	21.00
5	256QAM	1	12	20.20	20.36	20.16	21.00
5	256QAM	1	24	20.13	20.37	20.23	21.00
5	256QAM	12	0	20.25	20.41	20.28	21.00
5	256QAM	12	7	20.22	20.42	20.23	21.00
5	256QAM	12	13	20.20	20.38	20.23	21.00
5	256QAM	25	0	20.25	20.37	20.23	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.43	23.53	23.43	24.00
3	QPSK	1	8	23.15	23.38	23.35	24.00
3	QPSK	1	14	23.29	23.50	23.37	24.00
3	QPSK	8	0	23.28	23.47	23.33	24.00
3	QPSK	8	4	23.33	23.37	23.21	24.00
3	QPSK	8	7	23.29	23.31	23.21	24.00
3	QPSK	15	0	23.07	23.44	23.34	24.00
3	16QAM	1	0	23.19	23.28	23.31	24.00
3	16QAM	1	8	23.15	23.44	23.15	24.00
3	16QAM	1	14	23.24	23.40	23.32	24.00
3	16QAM	8	0	23.10	23.37	23.21	24.00
3	16QAM	8	4	23.06	23.28	23.28	24.00
3	16QAM	8	7	23.12	23.27	23.22	24.00
3	16QAM	15	0	23.10	23.28	23.12	24.00
3	64QAM	1	0	22.98	23.26	23.17	24.00
3	64QAM	1	8	23.04	23.21	23.29	24.00
3	64QAM	1	14	23.15	23.31	23.13	24.00
3	64QAM	8	0	22.23	22.44	22.27	23.00
3	64QAM	8	4	22.08	22.35	22.22	23.00
3	64QAM	8	7	22.23	22.41	22.34	23.00
3	64QAM	15	0	22.24	22.34	22.20	23.00
3	256QAM	1	0	20.28	20.47	20.41	21.00
3	256QAM	1	8	20.24	20.35	20.23	21.00
3	256QAM	1	14	20.10	20.34	20.25	21.00
3	256QAM	8	0	20.15	20.30	20.24	21.00
3	256QAM	8	4	20.16	20.42	20.20	21.00
3	256QAM	8	7	20.16	20.31	20.24	21.00
3	256QAM	15	0	20.14	20.25	20.22	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.41	23.47	23.51	24.00
1.4	QPSK	1	3	23.15	23.48	23.26	24.00
1.4	QPSK	1	5	23.33	23.38	23.35	24.00
1.4	QPSK	3	0	23.23	23.45	23.35	24.00
1.4	QPSK	3	1	23.32	23.36	23.27	24.00
1.4	QPSK	3	3	23.27	23.32	23.13	24.00
1.4	QPSK	6	0	23.10	23.41	23.33	24.00
1.4	16QAM	1	0	23.19	23.40	23.20	24.00
1.4	16QAM	1	3	23.17	23.40	23.28	24.00
1.4	16QAM	1	5	23.15	23.44	23.41	24.00
1.4	16QAM	3	0	23.11	23.39	23.19	24.00
1.4	16QAM	3	1	23.02	23.26	23.21	24.00
1.4	16QAM	3	3	23.09	23.31	23.24	24.00
1.4	16QAM	6	0	23.08	23.24	23.11	24.00
1.4	64QAM	1	0	23.03	23.26	23.14	24.00
1.4	64QAM	1	3	23.13	23.30	23.30	24.00
1.4	64QAM	1	5	23.19	23.32	23.07	24.00
1.4	64QAM	3	0	22.34	22.44	22.22	23.00
1.4	64QAM	3	1	22.20	22.35	22.26	23.00
1.4	64QAM	3	3	22.30	22.38	22.40	23.00
1.4	64QAM	6	0	22.25	22.33	22.25	23.00
1.4	256QAM	1	0	20.21	20.48	20.40	21.00
1.4	256QAM	1	3	20.24	20.36	20.20	21.00
1.4	256QAM	1	5	20.18	20.42	20.17	21.00
1.4	256QAM	3	0	20.25	20.32	20.20	21.00
1.4	256QAM	3	1	20.24	20.33	20.30	21.00
1.4	256QAM	3	3	20.17	20.41	20.21	21.00
1.4	256QAM	6	0	20.26	20.25	20.12	21.00



【LTE Band 12_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.75	22.83	22.79	24.00
10	QPSK	1	25	22.59	22.75	22.67	24.00
10	QPSK	1	49	22.62	22.77	22.61	24.00
10	QPSK	25	0	22.60	22.80	22.62	24.00
10	QPSK	25	12	22.54	22.71	22.57	24.00
10	QPSK	25	25	22.53	22.75	22.60	24.00
10	QPSK	50	0	22.60	22.74	22.63	24.00
10	16QAM	1	0	22.62	22.76	22.69	24.00
10	16QAM	1	25	22.58	22.73	22.57	24.00
10	16QAM	1	49	22.58	22.69	22.60	24.00
10	16QAM	25	0	22.47	22.66	22.60	24.00
10	16QAM	25	12	22.39	22.61	22.43	24.00
10	16QAM	25	25	22.52	22.65	22.47	24.00
10	16QAM	50	0	22.53	22.73	22.59	24.00
10	64QAM	1	0	22.53	22.75	22.66	24.00
10	64QAM	1	25	22.59	22.71	22.62	24.00
10	64QAM	1	49	22.59	22.69	22.54	24.00
10	64QAM	25	0	21.68	21.89	21.79	23.00
10	64QAM	25	12	21.76	21.86	21.73	23.00
10	64QAM	25	25	21.66	21.83	21.75	23.00
10	64QAM	50	0	21.63	21.85	21.75	23.00
10	256QAM	1	0	19.75	19.88	19.70	21.00
10	256QAM	1	25	19.72	19.85	19.75	21.00
10	256QAM	1	49	19.71	19.81	19.70	21.00
10	256QAM	25	0	19.73	19.83	19.74	21.00
10	256QAM	25	12	19.58	19.76	19.63	21.00
10	256QAM	25	25	19.58	19.77	19.64	21.00
10	256QAM	50	0	19.60	19.73	19.67	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.67	22.76	22.71	24.00
5	QPSK	1	12	22.57	22.69	22.64	24.00
5	QPSK	1	24	22.56	22.73	22.50	24.00
5	QPSK	12	0	22.47	22.71	22.59	24.00
5	QPSK	12	7	22.40	22.57	22.42	24.00
5	QPSK	12	13	22.46	22.61	22.52	24.00
5	QPSK	25	0	22.56	22.68	22.48	24.00
5	16QAM	1	0	22.48	22.75	22.57	24.00
5	16QAM	1	12	22.54	22.64	22.49	24.00
5	16QAM	1	24	22.56	22.56	22.58	24.00
5	16QAM	12	0	22.41	22.62	22.58	24.00
5	16QAM	12	7	22.36	22.56	22.33	24.00
5	16QAM	12	13	22.49	22.63	22.32	24.00
5	16QAM	25	0	22.42	22.69	22.48	24.00
5	64QAM	1	0	22.39	22.64	22.59	24.00
5	64QAM	1	12	22.51	22.69	22.53	24.00
5	64QAM	1	24	22.53	22.59	22.49	24.00
5	64QAM	12	0	21.63	21.77	21.72	23.00
5	64QAM	12	7	21.67	21.81	21.68	23.00
5	64QAM	12	13	21.52	21.69	21.74	23.00
5	64QAM	25	0	21.49	21.74	21.73	23.00
5	256QAM	1	0	19.69	19.85	19.63	21.00
5	256QAM	1	12	19.65	19.78	19.73	21.00
5	256QAM	1	24	19.58	19.70	19.60	21.00
5	256QAM	12	0	19.60	19.77	19.66	21.00
5	256QAM	12	7	19.52	19.63	19.58	21.00
5	256QAM	12	13	19.45	19.71	19.56	21.00
5	256QAM	25	0	19.47	19.69	19.56	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.64	22.71	22.65	24.00
3	QPSK	1	8	22.51	22.67	22.52	24.00
3	QPSK	1	14	22.50	22.67	22.57	24.00
3	QPSK	8	0	22.49	22.79	22.47	24.00
3	QPSK	8	4	22.49	22.62	22.49	24.00
3	QPSK	8	7	22.43	22.67	22.56	24.00
3	QPSK	15	0	22.59	22.66	22.58	24.00



3	16QAM	1	0	22.51	22.70	22.58	24.00
3	16QAM	1	8	22.50	22.62	22.43	24.00
3	16QAM	1	14	22.50	22.65	22.50	24.00
3	16QAM	8	0	22.35	22.53	22.47	24.00
3	16QAM	8	4	22.27	22.59	22.39	24.00
3	16QAM	8	7	22.46	22.55	22.35	24.00
3	16QAM	15	0	22.39	22.65	22.55	24.00
3	64QAM	1	0	22.49	22.60	22.64	24.00
3	64QAM	1	8	22.44	22.69	22.53	24.00
3	64QAM	1	14	22.55	22.58	22.41	24.00
3	64QAM	8	0	21.55	21.86	21.72	23.00
3	64QAM	8	4	21.62	21.77	21.59	23.00
3	64QAM	8	7	21.62	21.73	21.61	23.00
3	64QAM	15	0	21.58	21.75	21.66	23.00
3	256QAM	1	0	19.72	19.81	19.64	21.00
3	256QAM	1	8	19.70	19.72	19.66	21.00
3	256QAM	1	14	19.67	19.68	19.59	21.00
3	256QAM	8	0	19.60	19.73	19.69	21.00
3	256QAM	8	4	19.46	19.74	19.57	21.00
3	256QAM	8	7	19.51	19.73	19.61	21.00
3	256QAM	15	0	19.49	19.71	19.59	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.63	22.69	22.64	24.00
1.4	QPSK	1	3	22.49	22.67	22.66	24.00
1.4	QPSK	1	5	22.52	22.70	22.57	24.00
1.4	QPSK	3	0	22.57	22.76	22.55	24.00
1.4	QPSK	3	1	22.49	22.60	22.49	24.00
1.4	QPSK	3	3	22.49	22.69	22.54	24.00
1.4	QPSK	6	0	22.51	22.65	22.52	24.00
1.4	16QAM	1	0	22.59	22.62	22.65	24.00
1.4	16QAM	1	3	22.52	22.67	22.49	24.00
1.4	16QAM	1	5	22.56	22.68	22.54	24.00
1.4	16QAM	3	0	22.34	22.55	22.52	24.00
1.4	16QAM	3	1	22.29	22.59	22.31	24.00
1.4	16QAM	3	3	22.45	22.51	22.35	24.00
1.4	16QAM	6	0	22.39	22.62	22.47	24.00
1.4	64QAM	1	0	22.46	22.68	22.61	24.00
1.4	64QAM	1	3	22.50	22.64	22.52	24.00
1.4	64QAM	1	5	22.55	22.57	22.40	24.00
1.4	64QAM	3	0	21.57	21.78	21.75	23.00
1.4	64QAM	3	1	21.69	21.82	21.63	23.00
1.4	64QAM	3	3	21.52	21.70	21.68	23.00
1.4	64QAM	6	0	21.48	21.71	21.69	23.00
1.4	256QAM	1	0	19.60	19.82	19.66	21.00
1.4	256QAM	1	3	19.68	19.73	19.65	21.00
1.4	256QAM	1	5	19.67	19.70	19.68	21.00
1.4	256QAM	3	0	19.70	19.69	19.72	21.00
1.4	256QAM	3	1	19.48	19.72	19.61	21.00
1.4	256QAM	3	3	19.46	19.67	19.57	21.00
1.4	256QAM	6	0	19.51	19.68	19.60	21.00

【LTE Band 12_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.66	22.83	22.55	23.80
10	QPSK	1	25	22.58	22.43	22.58	23.80
10	QPSK	1	49	22.45	22.36	22.67	23.80
10	QPSK	25	0	22.59	22.79	22.60	23.80
10	QPSK	25	12	22.56	22.78	22.69	23.80
10	QPSK	25	25	22.55	22.50	22.58	23.80
10	QPSK	50	0	22.42	22.34	22.43	23.80
10	16QAM	1	0	22.57	22.67	22.41	23.80
10	16QAM	1	25	22.52	22.62	22.52	23.80
10	16QAM	1	49	22.48	22.64	22.64	23.80
10	16QAM	25	0	22.52	22.70	22.49	23.80
10	16QAM	25	12	22.39	22.48	22.64	23.80



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10	16QAM	25	25	22.65	22.63	22.46	23.80
10	16QAM	50	0	22.63	22.60	22.47	23.80
10	64QAM	1	0	22.59	22.59	22.57	23.80
10	64QAM	1	25	22.45	22.72	22.65	23.80
10	64QAM	1	49	22.51	22.57	22.69	23.80
10	64QAM	25	0	21.74	21.81	21.56	23.00
10	64QAM	25	12	21.68	21.84	21.74	23.00
10	64QAM	25	25	21.77	21.55	21.73	23.00
10	64QAM	50	0	21.84	21.84	21.82	23.00
10	256QAM	1	0	19.80	19.96	19.72	21.00
10	256QAM	1	25	19.69	19.67	19.65	21.00
10	256QAM	1	49	19.64	19.73	19.77	21.00
10	256QAM	25	0	19.67	19.91	19.96	21.00
10	256QAM	25	12	19.86	19.92	19.78	21.00
10	256QAM	25	25	19.70	19.57	19.77	21.00
10	256QAM	50	0	19.60	19.70	19.81	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.62	22.76	22.53	23.80
5	QPSK	1	12	22.48	22.39	22.46	23.80
5	QPSK	1	24	22.40	22.30	22.59	23.80
5	QPSK	12	0	22.56	22.70	22.54	23.80
5	QPSK	12	7	22.53	22.64	22.56	23.80
5	QPSK	12	13	22.50	22.39	22.51	23.80
5	QPSK	25	0	22.33	22.28	22.38	23.80
5	16QAM	1	0	22.44	22.57	22.36	23.80
5	16QAM	1	12	22.49	22.61	22.46	23.80
5	16QAM	1	24	22.47	22.55	22.55	23.80
5	16QAM	12	0	22.39	22.63	22.45	23.80
5	16QAM	12	7	22.31	22.38	22.56	23.80
5	16QAM	12	13	22.54	22.61	22.34	23.80
5	16QAM	25	0	22.57	22.48	22.39	23.80
5	64QAM	1	0	22.55	22.56	22.48	23.80
5	64QAM	1	12	22.42	22.60	22.53	23.80
5	64QAM	1	24	22.42	22.44	22.66	23.80
5	64QAM	12	0	21.68	21.67	21.52	23.00
5	64QAM	12	7	21.61	21.71	21.73	23.00
5	64QAM	12	13	21.76	21.54	21.64	23.00
5	64QAM	25	0	21.80	21.82	21.72	23.00
5	256QAM	1	0	19.66	19.88	19.67	21.00
5	256QAM	1	12	19.66	19.57	19.62	21.00
5	256QAM	1	24	19.52	19.66	19.67	21.00
5	256QAM	12	0	19.59	19.84	19.90	21.00
5	256QAM	12	7	19.73	19.85	19.71	21.00
5	256QAM	12	13	19.62	19.45	19.63	21.00
5	256QAM	25	0	19.46	19.56	19.79	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.56	22.80	22.46	23.80
3	QPSK	1	8	22.45	22.29	22.43	23.80
3	QPSK	1	14	22.44	22.35	22.52	23.80
3	QPSK	8	0	22.47	22.67	22.56	23.80
3	QPSK	8	4	22.47	22.65	22.55	23.80
3	QPSK	8	7	22.41	22.43	22.54	23.80
3	QPSK	15	0	22.36	22.20	22.41	23.80
3	16QAM	1	0	22.45	22.66	22.31	23.80
3	16QAM	1	8	22.41	22.53	22.41	23.80
3	16QAM	1	14	22.38	22.62	22.60	23.80
3	16QAM	8	0	22.47	22.65	22.47	23.80
3	16QAM	8	4	22.28	22.34	22.60	23.80
3	16QAM	8	7	22.53	22.54	22.32	23.80
3	16QAM	15	0	22.50	22.54	22.37	23.80
3	64QAM	1	0	22.46	22.44	22.52	23.80
3	64QAM	1	8	22.33	22.65	22.55	23.80
3	64QAM	1	14	22.39	22.51	22.57	23.80
3	64QAM	8	0	21.67	21.72	21.42	23.00
3	64QAM	8	4	21.60	21.69	21.71	23.00
3	64QAM	8	7	21.73	21.50	21.63	23.00
3	64QAM	15	0	21.82	21.70	21.68	23.00
3	256QAM	1	0	19.66	19.94	19.67	21.00
3	256QAM	1	8	19.65	19.54	19.52	21.00
3	256QAM	1	14	19.59	19.70	19.68	21.00
3	256QAM	8	0	19.64	19.87	19.90	21.00
3	256QAM	8	4	19.84	19.80	19.73	21.00



3	256QAM	8	7	19.66	19.47	19.68	21.00
3	256QAM	15	0	19.53	19.59	19.72	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.54	22.80	22.51	23.80
1.4	QPSK	1	3	22.55	22.40	22.43	23.80
1.4	QPSK	1	5	22.43	22.29	22.57	23.80
1.4	QPSK	3	0	22.51	22.73	22.50	23.80
1.4	QPSK	3	1	22.49	22.66	22.55	23.80
1.4	QPSK	3	3	22.49	22.43	22.54	23.80
1.4	QPSK	6	0	22.32	22.24	22.36	23.80
1.4	16QAM	1	0	22.50	22.63	22.29	23.80
1.4	16QAM	1	3	22.40	22.52	22.39	23.80
1.4	16QAM	1	5	22.38	22.59	22.50	23.80
1.4	16QAM	3	0	22.46	22.55	22.41	23.80
1.4	16QAM	3	1	22.32	22.40	22.60	23.80
1.4	16QAM	3	3	22.51	22.55	22.39	23.80
1.4	16QAM	6	0	22.61	22.48	22.45	23.80
1.4	64QAM	1	0	22.55	22.46	22.44	23.80
1.4	64QAM	1	3	22.41	22.57	22.55	23.80
1.4	64QAM	1	5	22.41	22.52	22.64	23.80
1.4	64QAM	3	0	21.65	21.70	21.52	23.00
1.4	64QAM	3	1	21.59	21.73	21.61	23.00
1.4	64QAM	3	3	21.73	21.43	21.66	23.00
1.4	64QAM	6	0	21.82	21.81	21.72	23.00
1.4	256QAM	1	0	19.69	19.83	19.60	21.00
1.4	256QAM	1	3	19.62	19.61	19.62	21.00
1.4	256QAM	1	5	19.53	19.62	19.64	21.00
1.4	256QAM	3	0	19.62	19.87	19.87	21.00
1.4	256QAM	3	1	19.78	19.87	19.65	21.00
1.4	256QAM	3	3	19.68	19.44	19.71	21.00
1.4	256QAM	6	0	19.51	19.65	19.72	21.00

【LTE Band 12_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.46	23.56	23.53	24.00
10	QPSK	1	25	23.28	23.51	23.39	24.00
10	QPSK	1	49	23.34	23.52	23.44	24.00
10	QPSK	25	0	23.38	23.54	23.38	24.00
10	QPSK	25	12	23.36	23.48	23.34	24.00
10	QPSK	25	25	23.30	23.44	23.28	24.00
10	QPSK	50	0	23.21	23.46	23.36	24.00
10	16QAM	1	0	23.23	23.42	23.33	24.00
10	16QAM	1	25	23.25	23.47	23.30	24.00
10	16QAM	1	49	23.26	23.49	23.42	24.00
10	16QAM	25	0	23.19	23.42	23.26	24.00
10	16QAM	25	12	23.13	23.38	23.29	24.00
10	16QAM	25	25	23.18	23.34	23.27	24.00
10	16QAM	50	0	23.13	23.31	23.13	24.00
10	64QAM	1	0	23.11	23.33	23.27	24.00
10	64QAM	1	25	23.18	23.36	23.32	24.00
10	64QAM	1	49	23.21	23.34	23.18	24.00
10	64QAM	25	0	22.36	22.49	22.37	23.00
10	64QAM	25	12	22.22	22.46	22.34	23.00
10	64QAM	25	25	22.32	22.48	22.41	23.00
10	64QAM	50	0	22.32	22.43	22.27	23.00
10	256QAM	1	0	20.32	20.51	20.44	21.00
10	256QAM	1	25	20.34	20.47	20.29	21.00
10	256QAM	1	49	20.24	20.45	20.28	21.00
10	256QAM	25	0	20.27	20.43	20.32	21.00
10	256QAM	25	12	20.29	20.46	20.34	21.00
10	256QAM	25	25	20.26	20.44	20.27	21.00
10	256QAM	50	0	20.28	20.39	20.26	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.38	23.46	23.41	24.00



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5	QPSK	1	12	23.18	23.43	23.38	24.00
5	QPSK	1	24	23.21	23.45	23.33	24.00
5	QPSK	12	0	23.35	23.39	23.36	24.00
5	QPSK	12	7	23.32	23.33	23.26	24.00
5	QPSK	12	13	23.26	23.42	23.17	24.00
5	QPSK	25	0	23.08	23.39	23.27	24.00
5	16QAM	1	0	23.15	23.38	23.29	24.00
5	16QAM	1	12	23.14	23.41	23.16	24.00
5	16QAM	1	24	23.25	23.41	23.40	24.00
5	16QAM	12	0	23.15	23.37	23.16	24.00
5	16QAM	12	7	23.07	23.36	23.20	24.00
5	16QAM	12	13	23.11	23.23	23.23	24.00
5	16QAM	25	0	23.06	23.26	22.98	24.00
5	64QAM	1	0	23.08	23.18	23.16	24.00
5	64QAM	1	12	23.13	23.28	23.23	24.00
5	64QAM	1	24	23.17	23.26	23.12	24.00
5	64QAM	12	0	22.21	22.39	22.34	23.00
5	64QAM	12	7	22.07	22.39	22.23	23.00
5	64QAM	12	13	22.28	22.43	22.30	23.00
5	64QAM	25	0	22.30	22.40	22.13	23.00
5	256QAM	1	0	20.17	20.39	20.41	21.00
5	256QAM	1	12	20.20	20.36	20.16	21.00
5	256QAM	1	24	20.13	20.37	20.23	21.00
5	256QAM	12	0	20.25	20.41	20.28	21.00
5	256QAM	12	7	20.22	20.42	20.23	21.00
5	256QAM	12	13	20.20	20.38	20.23	21.00
5	256QAM	25	0	20.25	20.37	20.23	21.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	23.43	23.53	23.43	24.00
3	QPSK	1	8	23.15	23.38	23.35	24.00
3	QPSK	1	14	23.29	23.50	23.37	24.00
3	QPSK	8	0	23.28	23.47	23.33	24.00
3	QPSK	8	4	23.33	23.37	23.21	24.00
3	QPSK	8	7	23.29	23.31	23.21	24.00
3	QPSK	15	0	23.07	23.44	23.34	24.00
3	16QAM	1	0	23.19	23.28	23.31	24.00
3	16QAM	1	8	23.15	23.44	23.15	24.00
3	16QAM	1	14	23.24	23.40	23.32	24.00
3	16QAM	8	0	23.10	23.37	23.21	24.00
3	16QAM	8	4	23.06	23.28	23.28	24.00
3	16QAM	8	7	23.12	23.27	23.22	24.00
3	16QAM	15	0	23.10	23.28	23.12	24.00
3	64QAM	1	0	22.98	23.26	23.17	24.00
3	64QAM	1	8	23.04	23.21	23.29	24.00
3	64QAM	1	14	23.15	23.31	23.13	24.00
3	64QAM	8	0	22.23	22.44	22.27	23.00
3	64QAM	8	4	22.08	22.35	22.22	23.00
3	64QAM	8	7	22.23	22.41	22.34	23.00
3	64QAM	15	0	22.24	22.34	22.20	23.00
3	256QAM	1	0	20.28	20.47	20.41	21.00
3	256QAM	1	8	20.24	20.35	20.23	21.00
3	256QAM	1	14	20.10	20.34	20.25	21.00
3	256QAM	8	0	20.15	20.30	20.24	21.00
3	256QAM	8	4	20.16	20.42	20.20	21.00
3	256QAM	8	7	20.16	20.31	20.24	21.00
3	256QAM	15	0	20.14	20.25	20.22	21.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	23.41	23.47	23.51	24.00
1.4	QPSK	1	3	23.15	23.48	23.26	24.00
1.4	QPSK	1	5	23.33	23.38	23.35	24.00
1.4	QPSK	3	0	23.23	23.45	23.35	24.00
1.4	QPSK	3	1	23.32	23.36	23.27	24.00
1.4	QPSK	3	3	23.27	23.32	23.13	24.00
1.4	QPSK	6	0	23.10	23.41	23.33	24.00
1.4	16QAM	1	0	23.19	23.40	23.20	24.00
1.4	16QAM	1	3	23.17	23.40	23.28	24.00
1.4	16QAM	1	5	23.15	23.44	23.41	24.00
1.4	16QAM	3	0	23.11	23.39	23.19	24.00
1.4	16QAM	3	1	23.02	23.26	23.21	24.00
1.4	16QAM	3	3	23.09	23.31	23.24	24.00
1.4	16QAM	6	0	23.08	23.24	23.11	24.00
1.4	64QAM	1	0	23.03	23.26	23.14	24.00



1.4	64QAM	1	3	23.13	23.30	23.30	24.00
1.4	64QAM	1	5	23.19	23.32	23.07	24.00
1.4	64QAM	3	0	22.34	22.44	22.22	23.00
1.4	64QAM	3	1	22.20	22.35	22.26	23.00
1.4	64QAM	3	3	22.30	22.38	22.40	23.00
1.4	64QAM	6	0	22.25	22.33	22.25	23.00
1.4	256QAM	1	0	20.21	20.48	20.40	21.00
1.4	256QAM	1	3	20.24	20.36	20.20	21.00
1.4	256QAM	1	5	20.18	20.42	20.17	21.00
1.4	256QAM	3	0	20.25	20.32	20.20	21.00
1.4	256QAM	3	1	20.24	20.33	20.30	21.00
1.4	256QAM	3	3	20.17	20.41	20.21	21.00
1.4	256QAM	6	0	20.26	20.25	20.12	21.00

【LTE Band 12_Ant 1_DSI 6】

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	23.46	23.56	23.53	24.00
10	QPSK	1	25	23.28	23.51	23.39	24.00
10	QPSK	1	49	23.34	23.52	23.44	24.00
10	QPSK	25	0	23.38	23.54	23.38	24.00
10	QPSK	25	12	23.36	23.48	23.34	24.00
10	QPSK	25	25	23.30	23.44	23.28	24.00
10	QPSK	50	0	23.21	23.46	23.36	24.00
10	16QAM	1	0	23.23	23.42	23.33	24.00
10	16QAM	1	25	23.25	23.47	23.30	24.00
10	16QAM	1	49	23.26	23.49	23.42	24.00
10	16QAM	25	0	23.19	23.42	23.26	24.00
10	16QAM	25	12	23.13	23.38	23.29	24.00
10	16QAM	25	25	23.18	23.34	23.27	24.00
10	16QAM	50	0	23.13	23.31	23.13	24.00
10	64QAM	1	0	23.11	23.33	23.27	24.00
10	64QAM	1	25	23.18	23.36	23.32	24.00
10	64QAM	1	49	23.21	23.34	23.18	24.00
10	64QAM	25	0	22.36	22.49	22.37	23.00
10	64QAM	25	12	22.22	22.46	22.34	23.00
10	64QAM	25	25	22.32	22.48	22.41	23.00
10	64QAM	50	0	22.32	22.43	22.27	23.00
10	256QAM	1	0	20.32	20.51	20.44	21.00
10	256QAM	1	25	20.34	20.47	20.29	21.00
10	256QAM	1	49	20.24	20.45	20.28	21.00
10	256QAM	25	0	20.27	20.43	20.32	21.00
10	256QAM	25	12	20.29	20.46	20.34	21.00
10	256QAM	25	25	20.26	20.44	20.27	21.00
10	256QAM	50	0	20.28	20.39	20.26	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.38	23.46	23.41	24.00
5	QPSK	1	12	23.18	23.43	23.38	24.00
5	QPSK	1	24	23.21	23.45	23.33	24.00
5	QPSK	12	0	23.35	23.39	23.36	24.00
5	QPSK	12	7	23.32	23.33	23.26	24.00
5	QPSK	12	13	23.26	23.42	23.17	24.00
5	QPSK	25	0	23.08	23.39	23.27	24.00
5	16QAM	1	0	23.15	23.38	23.29	24.00
5	16QAM	1	12	23.14	23.41	23.16	24.00
5	16QAM	1	24	23.25	23.41	23.40	24.00
5	16QAM	12	0	23.15	23.37	23.16	24.00
5	16QAM	12	7	23.07	23.36	23.20	24.00
5	16QAM	12	13	23.11	23.23	23.23	24.00
5	16QAM	25	0	23.06	23.26	22.98	24.00
5	64QAM	1	0	23.08	23.18	23.16	24.00
5	64QAM	1	12	23.13	23.28	23.23	24.00
5	64QAM	1	24	23.17	23.26	23.12	24.00
5	64QAM	12	0	22.21	22.39	22.34	23.00
5	64QAM	12	7	22.07	22.39	22.23	23.00
5	64QAM	12	13	22.28	22.43	22.30	23.00



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5	64QAM	25	0	22.30	22.40	22.13	23.00
5	256QAM	1	0	20.17	20.39	20.41	21.00
5	256QAM	1	12	20.20	20.36	20.16	21.00
5	256QAM	1	24	20.13	20.37	20.23	21.00
5	256QAM	12	0	20.25	20.41	20.28	21.00
5	256QAM	12	7	20.22	20.42	20.23	21.00
5	256QAM	12	13	20.20	20.38	20.23	21.00
5	256QAM	25	0	20.25	20.37	20.23	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.43	23.53	23.43	24.00
3	QPSK	1	8	23.15	23.38	23.35	24.00
3	QPSK	1	14	23.29	23.50	23.37	24.00
3	QPSK	8	0	23.28	23.47	23.33	24.00
3	QPSK	8	4	23.33	23.37	23.21	24.00
3	QPSK	8	7	23.29	23.31	23.21	24.00
3	QPSK	15	0	23.07	23.44	23.34	24.00
3	16QAM	1	0	23.19	23.28	23.31	24.00
3	16QAM	1	8	23.15	23.44	23.15	24.00
3	16QAM	1	14	23.24	23.40	23.32	24.00
3	16QAM	8	0	23.10	23.37	23.21	24.00
3	16QAM	8	4	23.06	23.28	23.28	24.00
3	16QAM	8	7	23.12	23.27	23.22	24.00
3	16QAM	15	0	23.10	23.28	23.12	24.00
3	64QAM	1	0	22.98	23.26	23.17	24.00
3	64QAM	1	8	23.04	23.21	23.29	24.00
3	64QAM	1	14	23.15	23.31	23.13	24.00
3	64QAM	8	0	22.23	22.44	22.27	23.00
3	64QAM	8	4	22.08	22.35	22.22	23.00
3	64QAM	8	7	22.23	22.41	22.34	23.00
3	64QAM	15	0	22.24	22.34	22.20	23.00
3	256QAM	1	0	20.28	20.47	20.41	21.00
3	256QAM	1	8	20.24	20.35	20.23	21.00
3	256QAM	1	14	20.10	20.34	20.25	21.00
3	256QAM	8	0	20.15	20.30	20.24	21.00
3	256QAM	8	4	20.16	20.42	20.20	21.00
3	256QAM	8	7	20.16	20.31	20.24	21.00
3	256QAM	15	0	20.14	20.25	20.22	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.41	23.47	23.51	24.00
1.4	QPSK	1	3	23.15	23.48	23.26	24.00
1.4	QPSK	1	5	23.33	23.38	23.35	24.00
1.4	QPSK	3	0	23.23	23.45	23.35	24.00
1.4	QPSK	3	1	23.32	23.36	23.27	24.00
1.4	QPSK	3	3	23.27	23.32	23.13	24.00
1.4	QPSK	6	0	23.10	23.41	23.33	24.00
1.4	16QAM	1	0	23.19	23.40	23.20	24.00
1.4	16QAM	1	3	23.17	23.40	23.28	24.00
1.4	16QAM	1	5	23.15	23.44	23.41	24.00
1.4	16QAM	3	0	23.11	23.39	23.19	24.00
1.4	16QAM	3	1	23.02	23.26	23.21	24.00
1.4	16QAM	3	3	23.09	23.31	23.24	24.00
1.4	16QAM	6	0	23.08	23.24	23.11	24.00
1.4	64QAM	1	0	23.03	23.26	23.14	24.00
1.4	64QAM	1	3	23.13	23.30	23.30	24.00
1.4	64QAM	1	5	23.19	23.32	23.07	24.00
1.4	64QAM	3	0	22.34	22.44	22.22	23.00
1.4	64QAM	3	1	22.20	22.35	22.26	23.00
1.4	64QAM	3	3	22.30	22.38	22.40	23.00
1.4	64QAM	6	0	22.25	22.33	22.25	23.00
1.4	256QAM	1	0	20.21	20.48	20.40	21.00
1.4	256QAM	1	3	20.24	20.36	20.20	21.00
1.4	256QAM	1	5	20.18	20.42	20.17	21.00
1.4	256QAM	3	0	20.25	20.32	20.20	21.00
1.4	256QAM	3	1	20.24	20.33	20.30	21.00
1.4	256QAM	3	3	20.17	20.41	20.21	21.00
1.4	256QAM	6	0	20.26	20.25	20.12	21.00



【LTE Band 12_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	20.75	20.78	20.69	22.00
10	QPSK	1	25	20.39	20.42	20.39	22.00
10	QPSK	1	49	20.40	20.60	20.56	22.00
10	QPSK	25	0	20.65	20.75	20.71	22.00
10	QPSK	25	12	20.41	20.51	20.57	22.00
10	QPSK	25	25	20.54	20.57	20.55	22.00
10	QPSK	50	0	20.47	20.51	20.55	22.00
10	16QAM	1	0	20.48	20.52	20.55	22.00
10	16QAM	1	25	20.39	20.54	20.55	22.00
10	16QAM	1	49	20.45	20.50	20.50	22.00
10	16QAM	25	0	20.45	20.42	20.50	22.00
10	16QAM	25	12	20.62	20.61	20.49	22.00
10	16QAM	25	25	20.43	20.55	20.52	22.00
10	16QAM	50	0	20.61	20.44	20.51	22.00
10	64QAM	1	0	20.41	20.59	20.44	22.00
10	64QAM	1	25	20.44	20.40	20.61	22.00
10	64QAM	1	49	20.44	20.45	20.40	22.00
10	64QAM	25	0	20.41	20.50	20.44	22.00
10	64QAM	25	12	20.40	20.46	20.45	22.00
10	64QAM	25	25	20.56	20.58	20.39	22.00
10	64QAM	50	0	20.55	20.42	20.39	22.00
10	256QAM	1	0	19.51	19.40	19.44	21.00
10	256QAM	1	25	19.49	19.50	19.52	21.00
10	256QAM	1	49	19.59	19.42	19.58	21.00
10	256QAM	25	0	19.50	19.50	19.51	21.00
10	256QAM	25	12	19.40	19.58	19.58	21.00
10	256QAM	25	25	19.54	19.58	19.55	21.00
10	256QAM	50	0	19.44	19.45	19.49	21.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.60	20.67	20.63	22.00
5	QPSK	1	12	20.36	20.34	20.30	22.00
5	QPSK	1	24	20.26	20.49	20.44	22.00
5	QPSK	12	0	20.51	20.73	20.66	22.00
5	QPSK	12	7	20.33	20.39	20.49	22.00
5	QPSK	12	13	20.47	20.51	20.47	22.00
5	QPSK	25	0	20.41	20.50	20.45	22.00
5	16QAM	1	0	20.33	20.46	20.50	22.00
5	16QAM	1	12	20.34	20.49	20.48	22.00
5	16QAM	1	24	20.33	20.39	20.35	22.00
5	16QAM	12	0	20.44	20.33	20.47	22.00
5	16QAM	12	7	20.54	20.52	20.39	22.00
5	16QAM	12	13	20.34	20.47	20.45	22.00
5	16QAM	25	0	20.58	20.42	20.49	22.00
5	64QAM	1	0	20.40	20.53	20.32	22.00
5	64QAM	1	12	20.34	20.38	20.56	22.00
5	64QAM	1	24	20.32	20.35	20.30	22.00
5	64QAM	12	0	20.40	20.40	20.36	22.00
5	64QAM	12	7	20.30	20.34	20.41	22.00
5	64QAM	12	13	20.51	20.47	20.35	22.00
5	64QAM	25	0	20.51	20.38	20.30	22.00
5	256QAM	1	0	19.46	19.35	19.43	21.00
5	256QAM	1	12	19.45	19.38	19.43	21.00
5	256QAM	1	24	19.48	19.28	19.54	21.00
5	256QAM	12	0	19.48	19.39	19.38	21.00
5	256QAM	12	7	19.38	19.49	19.48	21.00
5	256QAM	12	13	19.52	19.48	19.49	21.00
5	256QAM	25	0	19.36	19.44	19.46	21.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	20.74	20.72	20.59	22.00
3	QPSK	1	8	20.28	20.38	20.29	22.00
3	QPSK	1	14	20.28	20.56	20.41	22.00
3	QPSK	8	0	20.52	20.64	20.64	22.00
3	QPSK	8	4	20.30	20.50	20.51	22.00
3	QPSK	8	7	20.49	20.43	20.45	22.00
3	QPSK	15	0	20.43	20.38	20.50	22.00



3	16QAM	1	0	20.45	20.40	20.44	22.00
3	16QAM	1	8	20.26	20.40	20.53	22.00
3	16QAM	1	14	20.37	20.43	20.42	22.00
3	16QAM	8	0	20.38	20.33	20.46	22.00
3	16QAM	8	4	20.59	20.51	20.45	22.00
3	16QAM	8	7	20.38	20.48	20.46	22.00
3	16QAM	15	0	20.48	20.40	20.44	22.00
3	64QAM	1	0	20.32	20.57	20.42	22.00
3	64QAM	1	8	20.30	20.34	20.50	22.00
3	64QAM	1	14	20.36	20.34	20.27	22.00
3	64QAM	8	0	20.36	20.47	20.38	22.00
3	64QAM	8	4	20.33	20.31	20.31	22.00
3	64QAM	8	7	20.44	20.45	20.36	22.00
3	64QAM	15	0	20.51	20.41	20.28	22.00
3	256QAM	1	0	19.44	19.27	19.40	21.00
3	256QAM	1	8	19.36	19.43	19.43	21.00
3	256QAM	1	14	19.45	19.34	19.55	21.00
3	256QAM	8	0	19.37	19.44	19.38	21.00
3	256QAM	8	4	19.27	19.46	19.52	21.00
3	256QAM	8	7	19.43	19.52	19.42	21.00
3	256QAM	15	0	19.34	19.41	19.43	21.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	20.69	20.67	20.63	22.00
1.4	QPSK	1	3	20.31	20.39	20.36	22.00
1.4	QPSK	1	5	20.30	20.48	20.52	22.00
1.4	QPSK	3	0	20.54	20.63	20.64	22.00
1.4	QPSK	3	1	20.39	20.40	20.55	22.00
1.4	QPSK	3	3	20.41	20.54	20.47	22.00
1.4	QPSK	6	0	20.40	20.38	20.47	22.00
1.4	16QAM	1	0	20.36	20.40	20.51	22.00
1.4	16QAM	1	3	20.25	20.49	20.51	22.00
1.4	16QAM	1	5	20.32	20.38	20.49	22.00
1.4	16QAM	3	0	20.39	20.31	20.43	22.00
1.4	16QAM	3	1	20.56	20.46	20.36	22.00
1.4	16QAM	3	3	20.41	20.46	20.45	22.00
1.4	16QAM	6	0	20.50	20.33	20.43	22.00
1.4	64QAM	1	0	20.38	20.46	20.39	22.00
1.4	64QAM	1	3	20.35	20.36	20.51	22.00
1.4	64QAM	1	5	20.30	20.36	20.28	22.00
1.4	64QAM	3	0	20.31	20.39	20.34	22.00
1.4	64QAM	3	1	20.27	20.34	20.38	22.00
1.4	64QAM	3	3	20.50	20.43	20.28	22.00
1.4	64QAM	6	0	20.45	20.38	20.32	22.00
1.4	256QAM	1	0	19.46	19.34	19.43	21.00
1.4	256QAM	1	3	19.44	19.35	19.44	21.00
1.4	256QAM	1	5	19.48	19.37	19.54	21.00
1.4	256QAM	3	0	19.42	19.40	19.41	21.00
1.4	256QAM	3	1	19.30	19.56	19.48	21.00
1.4	256QAM	3	3	19.43	19.46	19.44	21.00
1.4	256QAM	6	0	19.30	19.33	19.40	21.00

【LTE Band 13_Ant 0_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		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00



10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00
10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00
10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00
10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00
5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00
5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00
10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00



10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00
10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00
10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00
5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00
5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_Ant 0_DSI 3】

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		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00
10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00
10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00



10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00
10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00
5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00
5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00
10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00
10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00
10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00



10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00
5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00
5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_Ant 0_DSI 6】

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		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00
10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00
10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00
10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00
10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00



5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00
5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		Tune-up limit (dBm)
Frequency (MHz)					782		
10	QPSK	1	0		23.51		24.00
10	QPSK	1	25		23.31		24.00
10	QPSK	1	49		23.31		24.00
10	QPSK	25	0		23.40		24.00
10	QPSK	25	12		23.38		24.00
10	QPSK	25	25		23.34		24.00
10	QPSK	50	0		23.33		24.00
10	16QAM	1	0		23.48		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.40		24.00
10	16QAM	25	0		23.11		24.00
10	16QAM	25	12		23.10		24.00
10	16QAM	25	25		23.16		24.00
10	16QAM	50	0		23.08		24.00
10	64QAM	1	0		23.13		24.00
10	64QAM	1	25		23.11		24.00
10	64QAM	1	49		23.23		24.00
10	64QAM	25	0		22.08		23.00
10	64QAM	25	12		22.14		23.00
10	64QAM	25	25		22.17		23.00
10	64QAM	50	0		22.09		23.00
10	256QAM	1	0		20.13		21.00
10	256QAM	1	25		20.18		21.00
10	256QAM	1	49		20.14		21.00
10	256QAM	25	0		20.07		21.00
10	256QAM	25	12		20.08		21.00
10	256QAM	25	25		20.09		21.00
10	256QAM	50	0		20.12		21.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.18	23.32	23.17	24.00
5	QPSK	1	12	23.15	23.22	23.16	24.00
5	QPSK	1	24	23.11	23.22	23.16	24.00
5	QPSK	12	0	23.18	23.27	23.21	24.00
5	QPSK	12	7	23.15	23.28	23.20	24.00
5	QPSK	12	13	23.12	23.22	23.14	24.00
5	QPSK	25	0	23.18	23.27	23.17	24.00



5	16QAM	1	0	23.27	23.40	23.30	24.00
5	16QAM	1	12	23.26	23.30	23.27	24.00
5	16QAM	1	24	23.18	23.33	23.25	24.00
5	16QAM	12	0	22.95	22.97	22.92	24.00
5	16QAM	12	7	22.89	23.03	22.93	24.00
5	16QAM	12	13	22.94	23.03	22.99	24.00
5	16QAM	25	0	22.82	22.99	22.94	24.00
5	64QAM	1	0	22.90	23.08	22.97	24.00
5	64QAM	1	12	22.95	22.97	22.90	24.00
5	64QAM	1	24	23.09	23.09	23.07	24.00
5	64QAM	12	0	21.86	21.99	21.84	23.00
5	64QAM	12	7	21.94	22.06	21.90	23.00
5	64QAM	12	13	21.94	22.04	21.94	23.00
5	64QAM	25	0	21.86	21.95	21.91	23.00
5	256QAM	1	0	19.88	20.09	19.95	21.00
5	256QAM	1	12	19.98	20.13	19.93	21.00
5	256QAM	1	24	19.98	20.01	20.00	21.00
5	256QAM	12	0	19.85	19.99	19.93	21.00
5	256QAM	12	7	19.88	20.03	19.85	21.00
5	256QAM	12	13	19.94	19.97	19.88	21.00
5	256QAM	25	0	19.97	19.96	19.98	21.00

【LTE Band 13_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					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.58		24.00
10	QPSK	1	25		23.55		24.00
10	QPSK	1	49		23.48		24.00
10	QPSK	25	0		23.53		24.00
10	QPSK	25	12		23.49		24.00
10	QPSK	25	25		23.50		24.00
10	QPSK	50	0		23.48		24.00
10	16QAM	1	0		23.41		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.48		24.00
10	16QAM	25	0		23.34		24.00
10	16QAM	25	12		23.41		24.00
10	16QAM	25	25		23.35		24.00
10	16QAM	50	0		23.33		24.00
10	64QAM	1	0		23.43		24.00
10	64QAM	1	25		23.44		24.00
10	64QAM	1	49		23.38		24.00
10	64QAM	25	0		22.28		23.00
10	64QAM	25	12		22.48		23.00
10	64QAM	25	25		22.27		23.00
10	64QAM	50	0		22.36		23.00
10	256QAM	1	0		20.60		21.00
10	256QAM	1	25		20.42		21.00
10	256QAM	1	49		20.25		21.00
10	256QAM	25	0		20.20		21.00
10	256QAM	25	12		20.35		21.00
10	256QAM	25	25		20.31		21.00
10	256QAM	50	0		20.31		21.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.48	23.55	23.46	24.00
5	QPSK	1	12	23.42	23.51	23.39	24.00
5	QPSK	1	24	23.39	23.48	23.31	24.00
5	QPSK	12	0	23.32	23.46	23.30	24.00
5	QPSK	12	7	23.32	23.41	23.28	24.00
5	QPSK	12	13	23.23	23.43	23.29	24.00
5	QPSK	25	0	23.23	23.44	23.20	24.00
5	16QAM	1	0	23.39	23.49	23.34	24.00
5	16QAM	1	12	23.20	23.42	23.32	24.00
5	16QAM	1	24	23.33	23.45	23.24	24.00
5	16QAM	12	0	23.27	23.48	23.27	24.00
5	16QAM	12	7	23.20	23.41	23.31	24.00