



Appendix E. Output Power Measurement

<GSM Conducted Power>

【GSM850_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	31.57	31.59	31.67	33.50	22.57	22.59	22.67	24.50
GPRS 1 Tx slot	31.56	31.57	31.59	33.50	22.56	22.57	22.59	24.50
GPRS 2 Tx slots	30.90	30.95	30.85	32.00	24.90	24.95	24.85	26.00
GPRS 3 Tx slots	29.36	29.42	29.36	30.50	25.10	25.16	25.10	26.24
GPRS 4 Tx slots	28.18	28.32	28.26	29.50	25.18	25.32	25.26	26.50
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

【GSM850_ECI 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	31.57	31.59	31.67	33.50	22.57	22.59	22.67	24.50
GPRS 1 Tx slot	31.56	31.57	31.59	33.50	22.56	22.57	22.59	24.50
GPRS 2 Tx slots	30.90	30.95	30.85	32.00	24.90	24.95	24.85	26.00
GPRS 3 Tx slots	29.36	29.42	29.36	30.50	25.10	25.16	25.10	26.24
GPRS 4 Tx slots	28.18	28.32	28.26	29.50	25.18	25.32	25.26	26.50
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

【GSM850_ECI 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	31.57	31.59	31.67	32.50	22.57	22.59	22.67	23.50
GPRS 1 Tx slot	31.56	31.57	31.59	32.50	22.56	22.57	22.59	23.50
GPRS 2 Tx slots	30.07	30.09	30.05	30.40	24.07	24.09	24.05	24.40
GPRS 3 Tx slots	28.29	28.33	28.27	28.90	24.03	24.07	24.01	24.64
GPRS 4 Tx slots	26.95	27.04	26.99	27.90	23.95	24.04	23.99	24.90
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

【GSM850_ECI 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	31.57	31.59	31.67	33.50	22.57	22.59	22.67	24.50
GPRS 1 Tx slot	31.56	31.57	31.59	33.50	22.56	22.57	22.59	24.50
GPRS 2 Tx slots	30.90	30.95	30.85	32.00	24.90	24.95	24.85	26.00
GPRS 3 Tx slots	29.36	29.42	29.36	30.50	25.10	25.16	25.10	26.24
GPRS 4 Tx slots	28.18	28.32	28.26	29.50	25.18	25.32	25.26	26.50
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

**【GSM850_ECI 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	31.57	31.59	31.67	33.50	22.57	22.59	22.67	24.50
GPRS 1 Tx slot	31.56	31.57	31.59	33.50	22.56	22.57	22.59	24.50
GPRS 2 Tx slots	30.90	30.95	30.85	32.00	24.90	24.95	24.85	26.00
GPRS 3 Tx slots	29.36	29.42	29.36	30.50	25.10	25.16	25.10	26.24
GPRS 4 Tx slots	28.18	28.32	28.26	29.50	25.18	25.32	25.26	26.50
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

【GSM850_ECI 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	31.57	31.59	31.67	32.50	22.57	22.59	22.67	23.50
GPRS 1 Tx slot	31.56	31.57	31.59	32.50	22.56	22.57	22.59	23.50
GPRS 2 Tx slots	30.07	30.09	30.05	30.40	24.07	24.09	24.05	24.40
GPRS 3 Tx slots	28.29	28.33	28.27	28.90	24.03	24.07	24.01	24.64
GPRS 4 Tx slots	26.95	27.04	26.99	27.90	23.95	24.04	23.99	24.90
EDGE 1 Tx slot	26.62	26.78	26.63	28.00	17.62	17.78	17.63	19.00
EDGE 2 Tx slots	25.39	25.52	25.48	26.50	19.39	19.52	19.48	20.50
EDGE 3 Tx slots	23.04	23.05	23.02	24.00	18.78	18.79	18.76	19.74
EDGE 4 Tx slots	21.67	21.62	21.66	23.00	18.67	18.62	18.66	20.00

【GSM1900_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	28.77	28.64	28.76	30.50	19.77	19.64	19.76	21.50
GPRS 1 Tx slot	28.78	28.67	28.76	30.50	19.78	19.67	19.76	21.50
GPRS 2 Tx slots	28.17	28.23	28.22	29.50	22.17	22.23	22.22	23.50
GPRS 3 Tx slots	26.77	26.62	26.66	27.50	22.51	22.36	22.40	23.24
GPRS 4 Tx slots	25.62	25.66	25.58	26.50	22.62	22.66	22.58	23.50
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	24.94	24.89	24.64	25.00	18.94	18.89	18.64	19.00
EDGE 3 Tx slots	22.75	22.58	22.38	23.50	18.49	18.32	18.12	19.24
EDGE 4 Tx slots	21.34	21.19	20.95	22.00	18.34	18.19	17.95	19.00

【GSM1900_ECI 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	28.77	28.64	28.76	30.50	19.77	19.64	19.76	21.50
GPRS 1 Tx slot	28.78	28.67	28.76	30.50	19.78	19.67	19.76	21.50
GPRS 2 Tx slots	28.17	28.23	28.22	29.50	22.17	22.23	22.22	23.50
GPRS 3 Tx slots	26.77	26.62	26.66	27.50	22.51	22.36	22.40	23.24
GPRS 4 Tx slots	25.62	25.66	25.58	26.50	22.62	22.66	22.58	23.50
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	24.94	24.89	24.64	25.00	18.94	18.89	18.64	19.00
EDGE 3 Tx slots	22.75	22.58	22.38	23.50	18.49	18.32	18.12	19.24
EDGE 4 Tx slots	21.34	21.19	20.95	22.00	18.34	18.19	17.95	19.00

**【GSM1900_ECI 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	27.55	27.44	27.33	29.00	18.55	18.44	18.33	20.00
GPRS 1 Tx slot	27.58	27.45	27.41	29.00	18.58	18.45	18.41	20.00
GPRS 2 Tx slots	24.59	24.56	24.51	25.50	18.59	18.56	18.51	19.50
GPRS 3 Tx slots	22.78	22.72	22.74	23.50	18.52	18.46	18.48	19.24
GPRS 4 Tx slots	21.58	21.61	21.45	23.00	18.58	18.61	18.45	20.00
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	24.94	24.89	24.64	25.00	18.94	18.89	18.64	19.00
EDGE 3 Tx slots	22.75	22.58	22.38	23.50	18.49	18.32	18.12	19.24
EDGE 4 Tx slots	21.34	21.19	20.95	22.00	18.34	18.19	17.95	19.00

【GSM1900_ECI 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	28.77	28.64	28.76	30.50	19.77	19.64	19.76	21.50
GPRS 1 Tx slot	28.78	28.67	28.76	30.50	19.78	19.67	19.76	21.50
GPRS 2 Tx slots	28.17	28.23	28.22	29.50	22.17	22.23	22.22	23.50
GPRS 3 Tx slots	26.77	26.62	26.66	27.50	22.51	22.36	22.40	23.24
GPRS 4 Tx slots	25.62	25.66	25.58	26.50	22.62	22.66	22.58	23.50
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	24.94	24.89	24.64	25.00	18.94	18.89	18.64	19.00
EDGE 3 Tx slots	22.75	22.58	22.38	23.50	18.49	18.32	18.12	19.24
EDGE 4 Tx slots	21.34	21.19	20.95	22.00	18.34	18.19	17.95	19.00

【GSM1900_ECI 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	28.77	28.64	28.76	29.60	19.77	19.64	19.76	20.60
GPRS 1 Tx slot	28.78	28.67	28.76	29.60	19.78	19.67	19.76	20.60
GPRS 2 Tx slots	27.53	27.38	27.41	28.60	21.53	21.38	21.41	22.60
GPRS 3 Tx slots	25.77	25.63	25.67	26.60	21.51	21.37	21.41	22.34
GPRS 4 Tx slots	24.53	24.56	24.45	25.60	21.53	21.56	21.45	22.60
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	24.94	24.89	24.64	25.00	18.94	18.89	18.64	19.00
EDGE 3 Tx slots	22.75	22.58	22.38	23.50	18.49	18.32	18.12	19.24
EDGE 4 Tx slots	21.34	21.19	20.95	22.00	18.34	18.19	17.95	19.00

【GSM1900_ECI 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	26.55	26.59	26.40	27.60	17.55	17.59	17.40	18.60
GPRS 1 Tx slot	26.50	26.54	26.43	27.60	17.50	17.54	17.43	18.60
GPRS 2 Tx slots	23.58	23.44	23.48	24.60	17.58	17.44	17.48	18.60
GPRS 3 Tx slots	21.85	21.69	21.72	22.80	17.59	17.43	17.46	18.54
GPRS 4 Tx slots	20.62	20.66	20.60	21.60	17.62	17.66	17.60	18.60
EDGE 1 Tx slot	26.04	26.02	25.74	26.50	17.04	17.02	16.74	17.50
EDGE 2 Tx slots	23.67	23.78	23.59	24.00	0.00	17.78	0.00	18.00
EDGE 3 Tx slots	21.66	21.78	21.50	22.50	0.00	17.52	0.00	18.24
EDGE 4 Tx slots	20.55	20.71	20.53	21.50	0.00	17.71	0.00	18.50

**<WCDMA Conducted Power>****【WCDMA II_Full Power】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.18	23.11	24.00
3GPP Rel 99	RMC 12.2Kbps	23.19	23.22	23.16	24.00
3GPP Rel 6	HSDPA Subtest-1	22.22	22.33	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.11	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	21.65	21.73	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.73	21.80	21.68	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.28	22.15	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.33	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.65	21.81	21.62	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.73	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.27	22.34	22.23	23.00
3GPP Rel 6	HSUPA Subtest-2	20.04	20.11	19.97	21.00
3GPP Rel 6	HSUPA Subtest-3	21.03	21.18	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	19.86	20.02	19.84	21.00
3GPP Rel 6	HSUPA Subtest-5	22.00	22.11	21.91	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.52	19.66	19.55	20.50

【WCDMA II_ECI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.18	23.11	24.00
3GPP Rel 99	RMC 12.2Kbps	23.19	23.22	23.16	24.00
3GPP Rel 6	HSDPA Subtest-1	22.22	22.33	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.11	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	21.65	21.73	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.73	21.80	21.68	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.28	22.15	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.33	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.65	21.81	21.62	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.73	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.27	22.34	22.23	23.00
3GPP Rel 6	HSUPA Subtest-2	20.04	20.11	19.97	21.00
3GPP Rel 6	HSUPA Subtest-3	21.03	21.18	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	19.86	20.02	19.84	21.00
3GPP Rel 6	HSUPA Subtest-5	22.00	22.11	21.91	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.52	19.66	19.55	20.50

【WCDMA II_ECI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.63	17.68	17.60	19.00
3GPP Rel 99	RMC 12.2Kbps	17.67	17.71	17.68	19.00
3GPP Rel 6	HSDPA Subtest-1	16.72	16.71	16.70	18.00
3GPP Rel 6	HSDPA Subtest-2	16.69	16.67	16.70	18.00
3GPP Rel 6	HSDPA Subtest-3	16.24	16.19	16.19	17.50
3GPP Rel 6	HSDPA Subtest-4	16.28	16.20	16.17	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.77	16.76	16.69	18.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.73	16.74	16.72	18.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.27	16.22	16.25	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.26	16.21	16.24	17.50
3GPP Rel 6	HSUPA Subtest-1	16.67	16.72	16.71	18.00
3GPP Rel 6	HSUPA Subtest-2	14.69	14.76	14.77	16.00
3GPP Rel 6	HSUPA Subtest-3	15.72	15.71	15.76	17.00
3GPP Rel 6	HSUPA Subtest-4	14.71	14.72	14.72	16.00
3GPP Rel 6	HSUPA Subtest-5	16.69	16.68	16.77	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.19	14.20	14.25	15.50

**【WCDMA II_ECI 4】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.18	23.11	24.00
3GPP Rel 99	RMC 12.2Kbps	23.19	23.22	23.16	24.00
3GPP Rel 6	HSDPA Subtest-1	22.22	22.33	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.11	21.93	23.00
3GPP Rel 6	HSDPA Subtest-3	21.65	21.73	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.73	21.80	21.68	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.28	22.15	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.33	22.16	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.65	21.81	21.62	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.73	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	22.27	22.34	22.23	23.00
3GPP Rel 6	HSUPA Subtest-2	20.04	20.11	19.97	21.00
3GPP Rel 6	HSUPA Subtest-3	21.03	21.18	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	19.86	20.02	19.84	21.00
3GPP Rel 6	HSUPA Subtest-5	22.00	22.11	21.91	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.52	19.66	19.55	20.50

【WCDMA II_ECI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.66	20.73	20.72	22.10
3GPP Rel 99	RMC 12.2Kbps	20.74	20.77	20.76	22.10
3GPP Rel 6	HSDPA Subtest-1	19.71	19.68	19.77	21.10
3GPP Rel 6	HSDPA Subtest-2	19.76	19.70	19.74	21.10
3GPP Rel 6	HSDPA Subtest-3	19.19	19.19	19.21	20.60
3GPP Rel 6	HSDPA Subtest-4	19.24	19.16	19.25	20.60
3GPP Rel 8	DC-HSDPA Subtest-1	19.77	19.75	19.76	21.10
3GPP Rel 8	DC-HSDPA Subtest-2	19.67	19.67	19.74	21.10
3GPP Rel 8	DC-HSDPA Subtest-3	19.17	19.22	19.16	20.60
3GPP Rel 8	DC-HSDPA Subtest-4	19.21	19.23	19.23	20.60
3GPP Rel 6	HSUPA Subtest-1	19.68	19.77	19.77	21.10
3GPP Rel 6	HSUPA Subtest-2	17.69	17.71	17.75	19.10
3GPP Rel 6	HSUPA Subtest-3	18.77	18.74	18.75	20.10
3GPP Rel 6	HSUPA Subtest-4	17.75	17.69	17.70	19.10
3GPP Rel 6	HSUPA Subtest-5	19.68	19.67	19.78	21.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.24	17.18	17.17	18.60

【WCDMA II_ECI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.63	17.68	17.60	19.00
3GPP Rel 99	RMC 12.2Kbps	17.67	17.71	17.68	19.00
3GPP Rel 6	HSDPA Subtest-1	16.72	16.71	16.70	18.00
3GPP Rel 6	HSDPA Subtest-2	16.69	16.67	16.70	18.00
3GPP Rel 6	HSDPA Subtest-3	16.24	16.19	16.19	17.50
3GPP Rel 6	HSDPA Subtest-4	16.28	16.20	16.17	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.77	16.76	16.69	18.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.73	16.74	16.72	18.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.27	16.22	16.25	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.26	16.21	16.24	17.50
3GPP Rel 6	HSUPA Subtest-1	16.67	16.72	16.71	18.00
3GPP Rel 6	HSUPA Subtest-2	14.69	14.76	14.77	16.00
3GPP Rel 6	HSUPA Subtest-3	15.72	15.71	15.76	17.00
3GPP Rel 6	HSUPA Subtest-4	14.71	14.72	14.72	16.00
3GPP Rel 6	HSUPA Subtest-5	16.69	16.68	16.77	18.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.19	14.20	14.25	15.50



【WCDMA IV_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	23.38	23.41	23.25	24.00
3GPP Rel 99	RMC 12.2Kbps	23.42	23.46	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	22.27	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	21.77	21.97	21.77	22.50
3GPP Rel 6	HSDPA Subtest-4	21.82	21.92	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.27	22.49	22.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.34	22.52	22.39	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.75	22.10	21.77	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.87	21.87	21.68	22.50
3GPP Rel 6	HSUPA Subtest-1	22.49	22.63	22.45	23.00
3GPP Rel 6	HSUPA Subtest-2	20.36	20.29	20.18	21.00
3GPP Rel 6	HSUPA Subtest-3	21.13	21.39	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	20.13	20.12	19.95	21.00
3GPP Rel 6	HSUPA Subtest-5	22.19	22.23	22.16	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.76	19.85	19.81	20.50

【WCDMA IV_ECI 2】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.38	23.41	23.25	24.00
3GPP Rel 99	RMC 12.2Kbps	23.42	23.46	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	22.27	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	21.77	21.97	21.77	22.50
3GPP Rel 6	HSDPA Subtest-4	21.82	21.92	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.27	22.49	22.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.34	22.52	22.39	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.75	22.10	21.77	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.87	21.87	21.68	22.50
3GPP Rel 6	HSUPA Subtest-1	22.49	22.63	22.45	23.00
3GPP Rel 6	HSUPA Subtest-2	20.36	20.29	20.18	21.00
3GPP Rel 6	HSUPA Subtest-3	21.13	21.39	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	20.13	20.12	19.95	21.00
3GPP Rel 6	HSUPA Subtest-5	22.19	22.23	22.16	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.76	19.85	19.81	20.50

【WCDMA IV_ECI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.42	17.46	17.38	18.70
3GPP Rel 99	RMC 12.2Kbps	17.47	17.51	17.46	18.70
3GPP Rel 6	HSDPA Subtest-1	16.49	16.43	16.42	17.70
3GPP Rel 6	HSDPA Subtest-2	16.45	16.46	16.44	17.70
3GPP Rel 6	HSDPA Subtest-3	15.96	15.98	16.02	17.20
3GPP Rel 6	HSDPA Subtest-4	15.93	15.92	15.90	17.20
3GPP Rel 8	DC-HSDPA Subtest-1	16.52	16.46	16.51	17.70
3GPP Rel 8	DC-HSDPA Subtest-2	16.48	16.43	16.44	17.70
3GPP Rel 8	DC-HSDPA Subtest-3	16.01	16.01	15.95	17.20
3GPP Rel 8	DC-HSDPA Subtest-4	15.91	15.91	15.96	17.20
3GPP Rel 6	HSUPA Subtest-1	16.45	16.45	16.47	17.70
3GPP Rel 6	HSUPA Subtest-2	14.44	14.42	14.45	15.70
3GPP Rel 6	HSUPA Subtest-3	15.40	15.44	15.46	16.70
3GPP Rel 6	HSUPA Subtest-4	14.47	14.44	14.42	15.70
3GPP Rel 6	HSUPA Subtest-5	16.41	16.43	16.44	17.70
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.94	13.96	13.99	15.20

**【WCDMA IV_ECI 4】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.38	23.41	23.25	24.00
3GPP Rel 99	RMC 12.2Kbps	23.42	23.46	23.32	24.00
3GPP Rel 6	HSDPA Subtest-1	22.43	22.50	22.40	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	22.27	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	21.77	21.97	21.77	22.50
3GPP Rel 6	HSDPA Subtest-4	21.82	21.92	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.27	22.49	22.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.34	22.52	22.39	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.75	22.10	21.77	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.87	21.87	21.68	22.50
3GPP Rel 6	HSUPA Subtest-1	22.49	22.63	22.45	23.00
3GPP Rel 6	HSUPA Subtest-2	20.36	20.29	20.18	21.00
3GPP Rel 6	HSUPA Subtest-3	21.13	21.39	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	20.13	20.12	19.95	21.00
3GPP Rel 6	HSUPA Subtest-5	22.19	22.23	22.16	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.76	19.85	19.81	20.50

【WCDMA IV_ECI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.90	20.96	20.93	22.10
3GPP Rel 99	RMC 12.2Kbps	20.92	20.99	20.97	22.10
3GPP Rel 6	HSDPA Subtest-1	19.92	20.01	19.98	21.10
3GPP Rel 6	HSDPA Subtest-2	19.97	19.91	19.92	21.10
3GPP Rel 6	HSDPA Subtest-3	19.46	19.40	19.43	20.60
3GPP Rel 6	HSDPA Subtest-4	19.43	19.49	19.44	20.60
3GPP Rel 8	DC-HSDPA Subtest-1	19.98	20.01	19.95	21.10
3GPP Rel 8	DC-HSDPA Subtest-2	19.95	19.95	19.90	21.10
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.47	19.46	20.60
3GPP Rel 8	DC-HSDPA Subtest-4	19.45	19.46	19.44	20.60
3GPP Rel 6	HSUPA Subtest-1	19.96	20.01	19.93	21.10
3GPP Rel 6	HSUPA Subtest-2	17.91	17.97	17.92	19.10
3GPP Rel 6	HSUPA Subtest-3	19.01	19.01	19.01	20.10
3GPP Rel 6	HSUPA Subtest-4	17.99	17.98	18.02	19.10
3GPP Rel 6	HSUPA Subtest-5	19.92	19.92	20.00	21.10
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.46	17.50	17.42	18.60

【WCDMA IV_ECI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.84	16.92	16.86	18.20
3GPP Rel 99	RMC 12.2Kbps	16.92	17.00	16.93	18.20
3GPP Rel 6	HSDPA Subtest-1	15.99	15.96	16.02	17.20
3GPP Rel 6	HSDPA Subtest-2	15.96	15.92	15.91	17.20
3GPP Rel 6	HSDPA Subtest-3	15.43	15.50	15.41	16.70
3GPP Rel 6	HSDPA Subtest-4	15.51	15.42	15.40	16.70
3GPP Rel 8	DC-HSDPA Subtest-1	15.94	16.01	15.92	17.20
3GPP Rel 8	DC-HSDPA Subtest-2	16.01	15.93	15.97	17.20
3GPP Rel 8	DC-HSDPA Subtest-3	15.48	15.41	15.43	16.70
3GPP Rel 8	DC-HSDPA Subtest-4	15.51	15.47	15.42	16.70
3GPP Rel 6	HSUPA Subtest-1	15.98	15.94	15.96	17.20
3GPP Rel 6	HSUPA Subtest-2	13.95	13.97	13.97	15.20
3GPP Rel 6	HSUPA Subtest-3	14.98	14.91	15.00	16.20
3GPP Rel 6	HSUPA Subtest-4	13.96	13.99	13.95	15.20
3GPP Rel 6	HSUPA Subtest-5	15.97	15.97	15.94	17.20
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.50	13.46	13.46	14.70



【WCDMA V_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	23.15	23.21	23.14	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.19	24.00
3GPP Rel 6	HSDPA Subtest-1	22.02	22.17	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	21.85	22.06	21.91	23.00
3GPP Rel 6	HSDPA Subtest-3	21.54	21.68	21.52	22.50
3GPP Rel 6	HSDPA Subtest-4	21.71	21.78	21.49	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.93	22.25	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.08	22.21	22.09	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.56	21.79	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.62	21.72	21.44	22.50
3GPP Rel 6	HSUPA Subtest-1	22.10	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	19.97	20.10	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	20.82	21.18	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.88	19.75	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	22.12	21.92	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.33	19.50	19.37	20.50

【WCDMA V_ECI 2】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.21	23.14	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.19	24.00
3GPP Rel 6	HSDPA Subtest-1	22.02	22.17	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	21.85	22.06	21.91	23.00
3GPP Rel 6	HSDPA Subtest-3	21.54	21.68	21.52	22.50
3GPP Rel 6	HSDPA Subtest-4	21.71	21.78	21.49	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.93	22.25	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.08	22.21	22.09	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.56	21.79	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.62	21.72	21.44	22.50
3GPP Rel 6	HSUPA Subtest-1	22.10	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	19.97	20.10	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	20.82	21.18	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.88	19.75	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	22.12	21.92	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.33	19.50	19.37	20.50

【WCDMA V_ECI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.83	22.86	22.84	24.00
3GPP Rel 99	RMC 12.2Kbps	22.91	22.99	22.89	24.00
3GPP Rel 6	HSDPA Subtest-1	21.93	21.98	21.93	23.00
3GPP Rel 6	HSDPA Subtest-2	21.98	21.98	21.89	23.00
3GPP Rel 6	HSDPA Subtest-3	21.43	21.50	21.40	22.50
3GPP Rel 6	HSDPA Subtest-4	21.45	21.41	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.00	21.99	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	21.93	21.91	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.44	21.46	21.43	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.41	21.44	21.49	22.50
3GPP Rel 6	HSUPA Subtest-1	22.00	21.96	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	19.92	20.00	20.00	21.00
3GPP Rel 6	HSUPA Subtest-3	20.95	20.90	20.98	22.00
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.95	21.00
3GPP Rel 6	HSUPA Subtest-5	21.99	21.91	21.98	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.48	19.42	19.47	20.50

**【WCDMA V_ECI 4】**

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.21	23.14	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.19	24.00
3GPP Rel 6	HSDPA Subtest-1	22.02	22.17	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	21.85	22.06	21.91	23.00
3GPP Rel 6	HSDPA Subtest-3	21.54	21.68	21.52	22.50
3GPP Rel 6	HSDPA Subtest-4	21.71	21.78	21.49	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.93	22.25	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.08	22.21	22.09	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.56	21.79	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.62	21.72	21.44	22.50
3GPP Rel 6	HSUPA Subtest-1	22.10	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	19.97	20.10	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	20.82	21.18	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.88	19.75	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	22.12	21.92	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.33	19.50	19.37	20.50

【WCDMA V_ECI 6】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.15	23.21	23.14	24.00
3GPP Rel 99	RMC 12.2Kbps	23.23	23.25	23.19	24.00
3GPP Rel 6	HSDPA Subtest-1	22.02	22.17	22.15	23.00
3GPP Rel 6	HSDPA Subtest-2	21.85	22.06	21.91	23.00
3GPP Rel 6	HSDPA Subtest-3	21.54	21.68	21.52	22.50
3GPP Rel 6	HSDPA Subtest-4	21.71	21.78	21.49	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.93	22.25	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.08	22.21	22.09	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.56	21.79	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.62	21.72	21.44	22.50
3GPP Rel 6	HSUPA Subtest-1	22.10	22.21	22.15	23.00
3GPP Rel 6	HSUPA Subtest-2	19.97	20.10	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	20.82	21.18	20.88	22.00
3GPP Rel 6	HSUPA Subtest-4	19.83	19.88	19.75	21.00
3GPP Rel 6	HSUPA Subtest-5	21.84	22.12	21.92	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.33	19.50	19.37	20.50

【WCDMA V_ECI 7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.83	22.86	22.84	24.00
3GPP Rel 99	RMC 12.2Kbps	22.91	22.99	22.89	24.00
3GPP Rel 6	HSDPA Subtest-1	21.93	21.98	21.93	23.00
3GPP Rel 6	HSDPA Subtest-2	21.98	21.98	21.89	23.00
3GPP Rel 6	HSDPA Subtest-3	21.43	21.50	21.40	22.50
3GPP Rel 6	HSDPA Subtest-4	21.45	21.41	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.00	21.99	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	21.93	21.91	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.44	21.46	21.43	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.41	21.44	21.49	22.50
3GPP Rel 6	HSUPA Subtest-1	22.00	21.96	21.91	23.00
3GPP Rel 6	HSUPA Subtest-2	19.92	20.00	20.00	21.00
3GPP Rel 6	HSUPA Subtest-3	20.95	20.90	20.98	22.00
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.95	21.00
3GPP Rel 6	HSUPA Subtest-5	21.99	21.91	21.98	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.48	19.42	19.47	20.50



<LTE Conducted Power>

【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.32	22.44	22.26	24.00
20	QPSK	1	49	22.13	22.32	22.03	24.00
20	QPSK	1	99	22.18	22.39	22.07	24.00
20	QPSK	50	0	21.19	21.34	21.11	23.00
20	QPSK	50	24	21.17	21.31	21.01	23.00
20	QPSK	50	50	21.13	21.32	21.03	23.00
20	QPSK	100	0	21.22	21.36	21.08	23.00
20	16QAM	1	0	21.40	21.64	21.41	23.00
20	16QAM	1	49	21.42	21.61	21.38	23.00
20	16QAM	1	99	21.31	21.57	21.37	23.00
20	16QAM	50	0	20.20	20.32	20.11	22.00
20	16QAM	50	24	20.06	20.28	20.04	22.00
20	16QAM	50	50	20.07	20.31	20.06	22.00
20	16QAM	100	0	20.09	20.35	20.14	22.00
20	64QAM	1	0	20.30	20.51	20.20	22.00
20	64QAM	1	49	20.25	20.47	20.28	22.00
20	64QAM	1	99	20.22	20.42	20.16	22.00
20	64QAM	50	0	19.15	19.35	19.11	21.00
20	64QAM	50	24	19.10	19.31	19.08	21.00
20	64QAM	50	50	19.14	19.34	19.04	21.00
20	64QAM	100	0	19.11	19.32	19.06	21.00
20	256QAM	1	0	17.25	17.46	17.17	19.00
20	256QAM	1	49	17.23	17.44	17.22	19.00
20	256QAM	1	99	17.15	17.32	17.05	19.00
20	256QAM	50	0	17.22	17.33	17.16	19.00
20	256QAM	50	24	17.17	17.31	17.06	19.00
20	256QAM	50	50	17.14	17.33	17.16	19.00
20	256QAM	100	0	17.12	17.31	17.04	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.26	22.38	22.22	24.00
15	QPSK	1	37	22.03	22.24	22.01	24.00
15	QPSK	1	74	22.03	22.29	22.00	24.00
15	QPSK	36	0	21.15	21.20	21.05	23.00
15	QPSK	36	20	21.10	21.28	21.00	23.00
15	QPSK	36	39	21.02	21.19	21.01	23.00
15	QPSK	75	0	21.18	21.29	21.00	23.00
15	16QAM	1	0	21.38	21.58	21.30	23.00
15	16QAM	1	37	21.28	21.55	21.30	23.00
15	16QAM	1	74	21.23	21.43	21.30	23.00
15	16QAM	36	0	20.07	20.21	20.00	22.00
15	16QAM	36	20	20.04	20.19	20.01	22.00
15	16QAM	36	39	20.00	20.19	20.01	22.00
15	16QAM	75	0	20.04	20.28	20.09	22.00
15	64QAM	1	0	20.16	20.49	20.13	22.00
15	64QAM	1	37	20.21	20.35	20.18	22.00
15	64QAM	1	74	20.21	20.31	20.09	22.00
15	64QAM	36	0	19.10	19.23	19.09	21.00
15	64QAM	36	20	19.08	19.18	19.00	21.00
15	64QAM	36	39	19.07	19.23	19.01	21.00
15	64QAM	75	0	19.00	19.19	19.02	21.00
15	256QAM	1	0	17.21	17.36	17.10	19.00
15	256QAM	1	37	17.17	17.30	17.11	19.00
15	256QAM	1	74	17.09	17.19	17.00	19.00
15	256QAM	36	0	17.13	17.26	17.03	19.00
15	256QAM	36	20	17.09	17.22	17.03	19.00
15	256QAM	36	39	17.01	17.20	17.14	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.23	22.35	22.24	24.00
10	QPSK	1	25	22.06	22.29	22.01	24.00
10	QPSK	1	49	22.17	22.24	22.00	24.00
10	QPSK	25	0	21.07	21.33	21.09	23.00
10	QPSK	25	12	21.14	21.18	21.01	23.00
10	QPSK	25	25	21.01	21.24	21.01	23.00
10	QPSK	50	0	21.09	21.30	21.05	23.00
10	16QAM	1	0	21.37	21.50	21.36	23.00



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10	16QAM	1	25	21.36	21.54	21.32	23.00
10	16QAM	1	49	21.16	21.46	21.32	23.00
10	16QAM	25	0	20.19	20.27	20.01	22.00
10	16QAM	25	12	20.03	20.25	20.01	22.00
10	16QAM	25	25	20.04	20.26	20.01	22.00
10	16QAM	50	0	20.07	20.33	20.03	22.00
10	64QAM	1	0	20.23	20.47	20.12	22.00
10	64QAM	1	25	20.13	20.44	20.25	22.00
10	64QAM	1	49	20.11	20.39	20.12	22.00
10	64QAM	25	0	19.09	19.25	19.05	21.00
10	64QAM	25	12	19.01	19.19	19.01	21.00
10	64QAM	25	25	19.03	19.25	19.00	21.00
10	64QAM	50	0	19.07	19.21	19.00	21.00
10	256QAM	1	0	17.22	17.41	17.13	19.00
10	256QAM	1	25	17.13	17.37	17.19	19.00
10	256QAM	1	49	17.04	17.27	17.01	19.00
10	256QAM	25	0	17.09	17.24	17.01	19.00
10	256QAM	25	12	17.05	17.29	17.02	19.00
10	256QAM	25	25	17.01	17.19	17.01	19.00
10	256QAM	50	0	17.09	17.21	17.00	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.25	22.29	22.21	24.00
5	QPSK	1	12	22.06	22.25	22.00	24.00
5	QPSK	1	24	22.09	22.32	22.01	24.00
5	QPSK	12	0	21.05	21.30	21.01	23.00
5	QPSK	12	7	21.03	21.20	21.02	23.00
5	QPSK	12	13	21.01	21.22	21.00	23.00
5	QPSK	25	0	21.15	21.34	21.02	23.00
5	16QAM	1	0	21.27	21.61	21.38	23.00
5	16QAM	1	12	21.35	21.50	21.31	23.00
5	16QAM	1	24	21.27	21.52	21.24	23.00
5	16QAM	12	0	20.07	20.22	20.06	22.00
5	16QAM	12	7	20.02	20.24	20.00	22.00
5	16QAM	12	13	20.01	20.24	20.01	22.00
5	16QAM	25	0	20.00	20.23	20.01	22.00
5	64QAM	1	0	20.18	20.40	20.05	22.00
5	64QAM	1	12	20.19	20.41	20.20	22.00
5	64QAM	1	24	20.10	20.40	20.06	22.00
5	64QAM	12	0	19.11	19.31	19.06	21.00
5	64QAM	12	7	19.06	19.21	19.04	21.00
5	64QAM	12	13	19.07	19.20	19.02	21.00
5	64QAM	25	0	19.04	19.26	19.00	21.00
5	256QAM	1	0	17.15	17.37	17.06	19.00
5	256QAM	1	12	17.18	17.39	17.07	19.00
5	256QAM	1	24	17.11	17.21	17.00	19.00
5	256QAM	12	0	17.19	17.28	17.04	19.00
5	256QAM	12	7	17.13	17.26	17.05	19.00
5	256QAM	12	13	17.01	17.26	17.05	19.00
5	256QAM	25	0	17.00	17.19	17.00	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.27	22.18	22.24	24.00
3	QPSK	1	8	22.01	22.30	22.00	24.00
3	QPSK	1	14	22.04	22.33	22.01	24.00
3	QPSK	8	0	21.11	21.28	21.10	23.00
3	QPSK	8	4	21.05	21.28	21.00	23.00
3	QPSK	8	7	21.11	21.22	21.01	23.00
3	QPSK	15	0	21.17	21.25	21.04	23.00
3	16QAM	1	0	21.38	21.63	21.38	23.00
3	16QAM	1	8	21.38	21.54	21.37	23.00
3	16QAM	1	14	21.18	21.55	21.29	23.00
3	16QAM	8	0	20.15	20.24	20.02	22.00
3	16QAM	8	4	20.00	20.15	20.00	22.00
3	16QAM	8	7	20.01	20.27	20.02	22.00
3	16QAM	15	0	20.07	20.23	20.13	22.00
3	64QAM	1	0	20.21	20.41	20.16	22.00
3	64QAM	1	8	20.23	20.34	20.23	22.00
3	64QAM	1	14	20.08	20.27	20.04	22.00
3	64QAM	8	0	19.07	19.28	19.00	21.00
3	64QAM	8	4	19.09	19.22	19.01	21.00
3	64QAM	8	7	19.04	19.27	19.02	21.00
3	64QAM	15	0	19.08	19.24	19.03	21.00
3	256QAM	1	0	17.13	17.37	17.05	19.00
3	256QAM	1	8	17.16	17.41	17.08	19.00
3	256QAM	1	14	17.06	17.25	17.02	19.00
3	256QAM	8	0	17.17	17.25	17.04	19.00
3	256QAM	8	4	17.16	17.21	17.00	19.00



3	256QAM	8	7	17.01	17.29	17.02	19.00
3	256QAM	15	0	17.02	17.29	17.02	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.30	22.21	22.24	24.00
1.4	QPSK	1	3	22.04	22.19	22.02	24.00
1.4	QPSK	1	5	22.10	22.33	22.00	24.00
1.4	QPSK	3	0	22.06	22.21	22.01	24.00
1.4	QPSK	3	1	22.06	22.18	22.01	24.00
1.4	QPSK	3	3	22.01	22.24	22.00	24.00
1.4	QPSK	6	0	21.19	21.23	21.06	23.00
1.4	16QAM	1	0	21.32	21.52	21.35	23.00
1.4	16QAM	1	3	21.39	21.58	21.37	23.00
1.4	16QAM	1	5	21.19	21.45	21.26	23.00
1.4	16QAM	3	0	21.14	21.29	21.10	23.00
1.4	16QAM	3	1	21.00	21.26	21.00	23.00
1.4	16QAM	3	3	21.04	21.22	21.03	23.00
1.4	16QAM	6	0	20.02	20.25	20.13	22.00
1.4	64QAM	1	0	20.27	20.41	20.15	22.00
1.4	64QAM	1	3	20.13	20.43	20.23	22.00
1.4	64QAM	1	5	20.17	20.28	20.09	22.00
1.4	64QAM	3	0	20.04	20.29	20.06	22.00
1.4	64QAM	3	1	20.01	20.20	20.02	22.00
1.4	64QAM	3	3	20.05	20.31	20.02	22.00
1.4	64QAM	6	0	19.05	19.25	19.01	21.00
1.4	256QAM	1	0	17.19	17.42	17.05	19.00
1.4	256QAM	1	3	17.20	17.30	17.13	19.00
1.4	256QAM	1	5	17.11	17.24	17.04	19.00
1.4	256QAM	3	0	17.07	17.19	17.03	19.00
1.4	256QAM	3	1	17.08	17.22	17.00	19.00
1.4	256QAM	3	3	17.09	17.21	17.13	19.00
1.4	256QAM	6	0	17.00	17.23	17.00	19.00

【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.45	23.59	23.21	24.00
20	QPSK	1	49	23.28	23.50	23.07	24.00
20	QPSK	1	99	23.35	23.40	23.16	24.00
20	QPSK	50	0	22.52	22.57	22.48	23.00
20	QPSK	50	24	22.46	22.55	22.34	23.00
20	QPSK	50	50	22.41	22.51	22.20	23.00
20	QPSK	100	0	22.50	22.53	22.20	23.00
20	16QAM	1	0	22.43	22.53	22.22	23.00
20	16QAM	1	49	22.47	22.47	22.31	23.00
20	16QAM	1	99	22.48	22.51	22.27	23.00
20	16QAM	50	0	21.48	21.45	21.22	22.00
20	16QAM	50	24	21.43	21.45	21.21	22.00
20	16QAM	50	50	21.39	21.53	21.20	22.00
20	16QAM	100	0	21.53	21.54	21.16	22.00
20	64QAM	1	0	21.41	21.45	21.19	22.00
20	64QAM	1	49	21.55	21.47	21.17	22.00
20	64QAM	1	99	21.48	21.43	21.25	22.00
20	64QAM	50	0	20.42	20.53	20.18	21.00
20	64QAM	50	24	20.51	20.50	20.16	21.00
20	64QAM	50	50	20.42	20.46	20.17	21.00
20	64QAM	100	0	20.45	20.48	20.11	21.00
20	256QAM	1	0	18.51	18.46	18.29	19.00
20	256QAM	1	49	18.51	18.50	18.27	19.00
20	256QAM	1	99	18.47	18.56	18.10	19.00
20	256QAM	50	0	18.51	18.48	18.25	19.00
20	256QAM	50	24	18.41	18.41	18.19	19.00
20	256QAM	50	50	18.39	18.44	18.22	19.00
20	256QAM	100	0	18.47	18.41	18.23	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.37	23.55	23.12	24.00
15	QPSK	1	37	23.14	23.42	23.04	24.00
15	QPSK	1	74	23.20	23.34	23.09	24.00
15	QPSK	36	0	22.43	22.44	22.33	23.00



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15	QPSK	36	20	22.44	22.45	22.31	23.00
15	QPSK	36	39	22.29	22.40	22.10	23.00
15	QPSK	75	0	22.45	22.49	22.19	23.00
15	16QAM	1	0	22.32	22.51	22.10	23.00
15	16QAM	1	37	22.39	22.41	22.20	23.00
15	16QAM	1	74	22.39	22.39	22.17	23.00
15	16QAM	36	0	21.41	21.35	21.07	22.00
15	16QAM	36	20	21.38	21.33	21.08	22.00
15	16QAM	36	39	21.36	21.48	21.10	22.00
15	16QAM	75	0	21.51	21.51	21.02	22.00
15	64QAM	1	0	21.33	21.35	21.08	22.00
15	64QAM	1	37	21.52	21.43	21.03	22.00
15	64QAM	1	74	21.36	21.37	21.18	22.00
15	64QAM	36	0	20.33	20.51	20.08	21.00
15	64QAM	36	20	20.37	20.42	20.14	21.00
15	64QAM	36	39	20.33	20.45	20.03	21.00
15	64QAM	75	0	20.44	20.44	20.09	21.00
15	256QAM	1	0	18.49	18.44	18.16	19.00
15	256QAM	1	37	18.37	18.45	18.12	19.00
15	256QAM	1	74	18.32	18.45	18.00	19.00
15	256QAM	36	0	18.43	18.45	18.18	19.00
15	256QAM	36	20	18.38	18.26	18.16	19.00
15	256QAM	36	39	18.38	18.37	18.09	19.00
15	256QAM	75	0	18.34	18.29	18.14	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.35	23.53	23.19	24.00
10	QPSK	1	25	23.21	23.41	23.02	24.00
10	QPSK	1	49	23.33	23.30	23.07	24.00
10	QPSK	25	0	22.47	22.54	22.43	23.00
10	QPSK	25	12	22.40	22.51	22.33	23.00
10	QPSK	25	25	22.32	22.48	22.15	23.00
10	QPSK	50	0	22.42	22.42	22.15	23.00
10	16QAM	1	0	22.31	22.42	22.13	23.00
10	16QAM	1	25	22.37	22.36	22.27	23.00
10	16QAM	1	49	22.35	22.42	22.15	23.00
10	16QAM	25	0	21.37	21.32	21.14	22.00
10	16QAM	25	12	21.39	21.33	21.12	22.00
10	16QAM	25	25	21.35	21.48	21.15	22.00
10	16QAM	50	0	21.48	21.46	21.02	22.00
10	64QAM	1	0	21.37	21.42	21.16	22.00
10	64QAM	1	25	21.44	21.36	21.13	22.00
10	64QAM	1	49	21.33	21.36	21.19	22.00
10	64QAM	25	0	20.31	20.44	20.08	21.00
10	64QAM	25	12	20.43	20.42	20.14	21.00
10	64QAM	25	25	20.35	20.44	20.16	21.00
10	64QAM	50	0	20.36	20.33	19.98	21.00
10	256QAM	1	0	18.42	18.42	18.14	19.00
10	256QAM	1	25	18.41	18.43	18.23	19.00
10	256QAM	1	49	18.38	18.49	18.03	19.00
10	256QAM	25	0	18.41	18.44	18.19	19.00
10	256QAM	25	12	18.40	18.32	18.18	19.00
10	256QAM	25	25	18.30	18.38	18.21	19.00
10	256QAM	50	0	18.44	18.30	18.15	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.30	23.45	23.13	24.00
5	QPSK	1	12	23.25	23.35	22.98	24.00
5	QPSK	1	24	23.26	23.29	23.11	24.00
5	QPSK	12	0	22.45	22.54	22.47	23.00
5	QPSK	12	7	22.42	22.43	22.26	23.00
5	QPSK	12	13	22.33	22.37	22.17	23.00
5	QPSK	25	0	22.39	22.39	22.15	23.00
5	16QAM	1	0	22.39	22.47	22.16	23.00
5	16QAM	1	12	22.38	22.41	22.18	23.00
5	16QAM	1	24	22.34	22.50	22.21	23.00
5	16QAM	12	0	21.43	21.34	21.16	22.00
5	16QAM	12	7	21.41	21.37	21.13	22.00
5	16QAM	12	13	21.36	21.41	21.10	22.00
5	16QAM	25	0	21.46	21.50	21.13	22.00
5	64QAM	1	0	21.37	21.35	21.07	22.00
5	64QAM	1	12	21.44	21.35	21.06	22.00
5	64QAM	1	24	21.46	21.38	21.15	22.00
5	64QAM	12	0	20.40	20.40	20.05	21.00
5	64QAM	12	7	20.40	20.43	20.05	21.00
5	64QAM	12	13	20.39	20.34	20.04	21.00
5	64QAM	25	0	20.39	20.36	19.99	21.00
5	256QAM	1	0	18.43	18.37	18.21	19.00



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5	256QAM	1	12	18.44	18.44	18.14	19.00
5	256QAM	1	24	18.37	18.44	17.99	19.00
5	256QAM	12	0	18.38	18.38	18.21	19.00
5	256QAM	12	7	18.29	18.28	18.17	19.00
5	256QAM	12	13	18.26	18.30	18.14	19.00
5	256QAM	25	0	18.36	18.28	18.08	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.38	23.51	23.09	24.00
3	QPSK	1	8	23.15	23.37	23.00	24.00
3	QPSK	1	14	23.25	23.34	23.07	24.00
3	QPSK	8	0	22.43	22.48	22.44	23.00
3	QPSK	8	4	22.42	22.51	22.31	23.00
3	QPSK	8	7	22.36	22.49	22.14	23.00
3	QPSK	15	0	22.36	22.50	22.17	23.00
3	16QAM	1	0	22.40	22.50	22.16	23.00
3	16QAM	1	8	22.45	22.45	22.28	23.00
3	16QAM	1	14	22.37	22.45	22.20	23.00
3	16QAM	8	0	21.43	21.43	21.10	22.00
3	16QAM	8	4	21.35	21.43	21.20	22.00
3	16QAM	8	7	21.27	21.43	21.11	22.00
3	16QAM	15	0	21.46	21.44	21.01	22.00
3	64QAM	1	0	21.26	21.31	21.07	22.00
3	64QAM	1	8	21.52	21.39	21.08	22.00
3	64QAM	1	14	21.44	21.31	21.13	22.00
3	64QAM	8	0	20.39	20.42	20.13	21.00
3	64QAM	8	4	20.41	20.44	20.05	21.00
3	64QAM	8	7	20.39	20.32	20.15	21.00
3	64QAM	15	0	20.37	20.46	20.09	21.00
3	256QAM	1	0	18.45	18.39	18.25	19.00
3	256QAM	1	8	18.41	18.45	18.24	19.00
3	256QAM	1	14	18.36	18.50	18.03	19.00
3	256QAM	8	0	18.48	18.40	18.14	19.00
3	256QAM	8	4	18.32	18.26	18.08	19.00
3	256QAM	8	7	18.34	18.35	18.07	19.00
3	256QAM	15	0	18.42	18.33	18.12	19.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.40	23.54	23.09	24.00
1.4	QPSK	1	3	23.23	23.42	23.02	24.00
1.4	QPSK	1	5	23.22	23.31	23.06	24.00
1.4	QPSK	3	0	23.48	23.53	23.40	24.00
1.4	QPSK	3	1	23.33	23.47	23.27	24.00
1.4	QPSK	3	3	23.28	23.43	23.05	24.00
1.4	QPSK	6	0	22.41	22.44	22.17	23.00
1.4	16QAM	1	0	22.42	22.49	22.20	23.00
1.4	16QAM	1	3	22.33	22.42	22.25	23.00
1.4	16QAM	1	5	22.39	22.39	22.23	23.00
1.4	16QAM	3	0	22.35	22.31	22.21	23.00
1.4	16QAM	3	1	22.37	22.34	22.06	23.00
1.4	16QAM	3	3	22.25	22.49	22.18	23.00
1.4	16QAM	6	0	21.49	21.51	21.08	22.00
1.4	64QAM	1	0	21.35	21.32	21.07	22.00
1.4	64QAM	1	3	21.47	21.40	21.06	22.00
1.4	64QAM	1	5	21.47	21.40	21.21	22.00
1.4	64QAM	3	0	21.30	21.50	21.10	22.00
1.4	64QAM	3	1	21.50	21.44	21.06	22.00
1.4	64QAM	3	3	21.38	21.43	21.05	22.00
1.4	64QAM	6	0	20.42	20.37	20.02	21.00
1.4	256QAM	1	0	18.46	18.32	18.25	19.00
1.4	256QAM	1	3	18.40	18.39	18.21	19.00
1.4	256QAM	1	5	18.46	18.54	18.00	19.00
1.4	256QAM	3	0	18.36	18.46	18.18	19.00
1.4	256QAM	3	1	18.35	18.38	18.04	19.00
1.4	256QAM	3	3	18.27	18.40	18.14	19.00
1.4	256QAM	6	0	18.34	18.34	18.21	19.00



【LTE Band 2_Ant 0_ECI 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	22.32	22.44	22.26	24.00
20	QPSK	1	49	22.13	22.32	22.03	24.00
20	QPSK	1	99	22.18	22.39	22.07	24.00
20	QPSK	50	0	21.19	21.34	21.11	23.00
20	QPSK	50	24	21.17	21.31	21.01	23.00
20	QPSK	50	50	21.13	21.32	21.03	23.00
20	QPSK	100	0	21.22	21.36	21.08	23.00
20	16QAM	1	0	21.40	21.64	21.41	23.00
20	16QAM	1	49	21.42	21.61	21.38	23.00
20	16QAM	1	99	21.31	21.57	21.37	23.00
20	16QAM	50	0	20.20	20.32	20.11	22.00
20	16QAM	50	24	20.06	20.28	20.04	22.00
20	16QAM	50	50	20.07	20.31	20.06	22.00
20	16QAM	100	0	20.09	20.35	20.14	22.00
20	64QAM	1	0	20.30	20.51	20.20	22.00
20	64QAM	1	49	20.25	20.47	20.28	22.00
20	64QAM	1	99	20.22	20.42	20.16	22.00
20	64QAM	50	0	19.15	19.35	19.11	21.00
20	64QAM	50	24	19.10	19.31	19.08	21.00
20	64QAM	50	50	19.14	19.34	19.04	21.00
20	64QAM	100	0	19.11	19.32	19.06	21.00
20	256QAM	1	0	17.25	17.46	17.17	19.00
20	256QAM	1	49	17.23	17.44	17.22	19.00
20	256QAM	1	99	17.15	17.32	17.05	19.00
20	256QAM	50	0	17.22	17.33	17.16	19.00
20	256QAM	50	24	17.17	17.31	17.06	19.00
20	256QAM	50	50	17.14	17.33	17.16	19.00
20	256QAM	100	0	17.12	17.31	17.04	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.26	22.38	22.22	24.00
15	QPSK	1	37	22.03	22.24	22.01	24.00
15	QPSK	1	74	22.03	22.29	22.00	24.00
15	QPSK	36	0	21.15	21.20	21.05	23.00
15	QPSK	36	20	21.10	21.28	21.00	23.00
15	QPSK	36	39	21.02	21.19	21.01	23.00
15	QPSK	75	0	21.18	21.29	21.00	23.00
15	16QAM	1	0	21.38	21.58	21.30	23.00
15	16QAM	1	37	21.28	21.55	21.30	23.00
15	16QAM	1	74	21.23	21.43	21.30	23.00
15	16QAM	36	0	20.07	20.21	20.00	22.00
15	16QAM	36	20	20.04	20.19	20.01	22.00
15	16QAM	36	39	20.00	20.19	20.01	22.00
15	16QAM	75	0	20.04	20.28	20.09	22.00
15	64QAM	1	0	20.16	20.49	20.13	22.00
15	64QAM	1	37	20.21	20.35	20.18	22.00
15	64QAM	1	74	20.21	20.31	20.09	22.00
15	64QAM	36	0	19.10	19.23	19.09	21.00
15	64QAM	36	20	19.08	19.18	19.00	21.00
15	64QAM	36	39	19.07	19.23	19.01	21.00
15	64QAM	75	0	19.00	19.19	19.02	21.00
15	256QAM	1	0	17.21	17.36	17.10	19.00
15	256QAM	1	37	17.17	17.30	17.11	19.00
15	256QAM	1	74	17.09	17.19	17.00	19.00
15	256QAM	36	0	17.13	17.26	17.03	19.00
15	256QAM	36	20	17.09	17.22	17.03	19.00
15	256QAM	36	39	17.01	17.20	17.14	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.23	22.35	22.24	24.00
10	QPSK	1	25	22.06	22.29	22.01	24.00
10	QPSK	1	49	22.17	22.24	22.00	24.00
10	QPSK	25	0	21.07	21.33	21.09	23.00
10	QPSK	25	12	21.14	21.18	21.01	23.00
10	QPSK	25	25	21.01	21.24	21.01	23.00
10	QPSK	50	0	21.09	21.30	21.05	23.00
10	16QAM	1	0	21.37	21.50	21.36	23.00
10	16QAM	1	25	21.36	21.54	21.32	23.00
10	16QAM	1	49	21.16	21.46	21.32	23.00
10	16QAM	25	0	20.19	20.27	20.01	22.00



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10	16QAM	25	12	20.03	20.25	20.01	22.00
10	16QAM	25	25	20.04	20.26	20.01	22.00
10	16QAM	50	0	20.07	20.33	20.03	22.00
10	64QAM	1	0	20.23	20.47	20.12	22.00
10	64QAM	1	25	20.13	20.44	20.25	22.00
10	64QAM	1	49	20.11	20.39	20.12	22.00
10	64QAM	25	0	19.09	19.25	19.05	21.00
10	64QAM	25	12	19.01	19.19	19.01	21.00
10	64QAM	25	25	19.03	19.25	19.00	21.00
10	64QAM	50	0	19.07	19.21	19.00	21.00
10	256QAM	1	0	17.22	17.41	17.13	19.00
10	256QAM	1	25	17.13	17.37	17.19	19.00
10	256QAM	1	49	17.04	17.27	17.01	19.00
10	256QAM	25	0	17.09	17.24	17.01	19.00
10	256QAM	25	12	17.05	17.29	17.02	19.00
10	256QAM	25	25	17.01	17.19	17.01	19.00
10	256QAM	50	0	17.09	17.21	17.00	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.25	22.29	22.21	24.00
5	QPSK	1	12	22.06	22.25	22.00	24.00
5	QPSK	1	24	22.09	22.32	22.01	24.00
5	QPSK	12	0	21.05	21.30	21.01	23.00
5	QPSK	12	7	21.03	21.20	21.02	23.00
5	QPSK	12	13	21.01	21.22	21.00	23.00
5	QPSK	25	0	21.15	21.34	21.02	23.00
5	16QAM	1	0	21.27	21.61	21.38	23.00
5	16QAM	1	12	21.35	21.50	21.31	23.00
5	16QAM	1	24	21.27	21.52	21.24	23.00
5	16QAM	12	0	20.07	20.22	20.06	22.00
5	16QAM	12	7	20.02	20.24	20.00	22.00
5	16QAM	12	13	20.01	20.24	20.01	22.00
5	16QAM	25	0	20.00	20.23	20.01	22.00
5	64QAM	1	0	20.18	20.40	20.05	22.00
5	64QAM	1	12	20.19	20.41	20.20	22.00
5	64QAM	1	24	20.10	20.40	20.06	22.00
5	64QAM	12	0	19.11	19.31	19.06	21.00
5	64QAM	12	7	19.06	19.21	19.04	21.00
5	64QAM	12	13	19.07	19.20	19.02	21.00
5	64QAM	25	0	19.04	19.26	19.00	21.00
5	256QAM	1	0	17.15	17.37	17.06	19.00
5	256QAM	1	12	17.18	17.39	17.07	19.00
5	256QAM	1	24	17.11	17.21	17.00	19.00
5	256QAM	12	0	17.19	17.28	17.04	19.00
5	256QAM	12	7	17.13	17.26	17.05	19.00
5	256QAM	12	13	17.01	17.26	17.05	19.00
5	256QAM	25	0	17.00	17.19	17.00	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.27	22.18	22.24	24.00
3	QPSK	1	8	22.01	22.30	22.00	24.00
3	QPSK	1	14	22.04	22.33	22.01	24.00
3	QPSK	8	0	21.11	21.28	21.10	23.00
3	QPSK	8	4	21.05	21.28	21.00	23.00
3	QPSK	8	7	21.11	21.22	21.01	23.00
3	QPSK	15	0	21.17	21.25	21.04	23.00
3	16QAM	1	0	21.38	21.63	21.38	23.00
3	16QAM	1	8	21.38	21.54	21.37	23.00
3	16QAM	1	14	21.18	21.55	21.29	23.00
3	16QAM	8	0	20.15	20.24	20.02	22.00
3	16QAM	8	4	20.00	20.15	20.00	22.00
3	16QAM	8	7	20.01	20.27	20.02	22.00
3	16QAM	15	0	20.07	20.23	20.13	22.00
3	64QAM	1	0	20.21	20.41	20.16	22.00
3	64QAM	1	8	20.23	20.34	20.23	22.00
3	64QAM	1	14	20.08	20.27	20.04	22.00
3	64QAM	8	0	19.07	19.28	19.00	21.00
3	64QAM	8	4	19.09	19.22	19.01	21.00
3	64QAM	8	7	19.04	19.27	19.02	21.00
3	64QAM	15	0	19.08	19.24	19.03	21.00
3	256QAM	1	0	17.13	17.37	17.05	19.00
3	256QAM	1	8	17.16	17.41	17.08	19.00
3	256QAM	1	14	17.06	17.25	17.02	19.00
3	256QAM	8	0	17.17	17.25	17.04	19.00
3	256QAM	8	4	17.16	17.21	17.00	19.00
3	256QAM	8	7	17.01	17.29	17.02	19.00
3	256QAM	15	0	17.02	17.29	17.02	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.30	22.21	22.24	24.00
1.4	QPSK	1	3	22.04	22.19	22.02	24.00
1.4	QPSK	1	5	22.10	22.33	22.00	24.00
1.4	QPSK	3	0	22.06	22.21	22.01	24.00
1.4	QPSK	3	1	22.06	22.18	22.01	24.00
1.4	QPSK	3	3	22.01	22.24	22.00	24.00
1.4	QPSK	6	0	21.19	21.23	21.06	23.00
1.4	16QAM	1	0	21.32	21.52	21.35	23.00
1.4	16QAM	1	3	21.39	21.58	21.37	23.00
1.4	16QAM	1	5	21.19	21.45	21.26	23.00
1.4	16QAM	3	0	21.14	21.29	21.10	23.00
1.4	16QAM	3	1	21.00	21.26	21.00	23.00
1.4	16QAM	3	3	21.04	21.22	21.03	23.00
1.4	16QAM	6	0	20.02	20.25	20.13	22.00
1.4	64QAM	1	0	20.27	20.41	20.15	22.00
1.4	64QAM	1	3	20.13	20.43	20.23	22.00
1.4	64QAM	1	5	20.17	20.28	20.09	22.00
1.4	64QAM	3	0	20.04	20.29	20.06	22.00
1.4	64QAM	3	1	20.01	20.20	20.02	22.00
1.4	64QAM	3	3	20.05	20.31	20.02	22.00
1.4	64QAM	6	0	19.05	19.25	19.01	21.00
1.4	256QAM	1	0	17.19	17.42	17.05	19.00
1.4	256QAM	1	3	17.20	17.30	17.13	19.00
1.4	256QAM	1	5	17.11	17.24	17.04	19.00
1.4	256QAM	3	0	17.07	17.19	17.03	19.00
1.4	256QAM	3	1	17.08	17.22	17.00	19.00
1.4	256QAM	3	3	17.09	17.21	17.13	19.00
1.4	256QAM	6	0	17.00	17.23	17.00	19.00

【LTE Band 2_Ant 0_ECI 2-1】

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	23.45	23.59	23.21	24.00
20	QPSK	1	49	23.28	23.50	23.07	24.00
20	QPSK	1	99	23.35	23.40	23.16	24.00
20	QPSK	50	0	22.52	22.57	22.48	23.00
20	QPSK	50	24	22.46	22.55	22.34	23.00
20	QPSK	50	50	22.41	22.51	22.20	23.00
20	QPSK	100	0	22.50	22.53	22.20	23.00
20	16QAM	1	0	22.43	22.53	22.22	23.00
20	16QAM	1	49	22.47	22.47	22.31	23.00
20	16QAM	1	99	22.48	22.51	22.27	23.00
20	16QAM	50	0	21.48	21.45	21.22	22.00
20	16QAM	50	24	21.43	21.45	21.21	22.00
20	16QAM	50	50	21.39	21.53	21.20	22.00
20	16QAM	100	0	21.53	21.54	21.16	22.00
20	64QAM	1	0	21.41	21.45	21.19	22.00
20	64QAM	1	49	21.55	21.47	21.17	22.00
20	64QAM	1	99	21.48	21.43	21.25	22.00
20	64QAM	50	0	20.42	20.53	20.18	21.00
20	64QAM	50	24	20.51	20.50	20.16	21.00
20	64QAM	50	50	20.42	20.46	20.17	21.00
20	64QAM	100	0	20.45	20.48	20.11	21.00
20	256QAM	1	0	18.51	18.46	18.29	19.00
20	256QAM	1	49	18.51	18.50	18.27	19.00
20	256QAM	1	99	18.47	18.56	18.10	19.00
20	256QAM	50	0	18.51	18.48	18.25	19.00
20	256QAM	50	24	18.41	18.41	18.19	19.00
20	256QAM	50	50	18.39	18.44	18.22	19.00
20	256QAM	100	0	18.47	18.41	18.23	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.37	23.55	23.12	24.00
15	QPSK	1	37	23.14	23.42	23.04	24.00
15	QPSK	1	74	23.20	23.34	23.09	24.00
15	QPSK	36	0	22.43	22.44	22.33	23.00
15	QPSK	36	20	22.44	22.45	22.31	23.00
15	QPSK	36	39	22.29	22.40	22.10	23.00
15	QPSK	75	0	22.45	22.49	22.19	23.00



15	16QAM	1	0	22.32	22.51	22.10	23.00
15	16QAM	1	37	22.39	22.41	22.20	23.00
15	16QAM	1	74	22.39	22.39	22.17	23.00
15	16QAM	36	0	21.41	21.35	21.07	22.00
15	16QAM	36	20	21.38	21.33	21.08	22.00
15	16QAM	36	39	21.36	21.48	21.10	22.00
15	16QAM	75	0	21.51	21.51	21.02	22.00
15	64QAM	1	0	21.33	21.35	21.08	22.00
15	64QAM	1	37	21.52	21.43	21.03	22.00
15	64QAM	1	74	21.36	21.37	21.18	22.00
15	64QAM	36	0	20.33	20.51	20.08	21.00
15	64QAM	36	20	20.37	20.42	20.14	21.00
15	64QAM	36	39	20.33	20.45	20.03	21.00
15	64QAM	75	0	20.44	20.44	20.09	21.00
15	256QAM	1	0	18.49	18.44	18.16	19.00
15	256QAM	1	37	18.37	18.45	18.12	19.00
15	256QAM	1	74	18.32	18.45	18.00	19.00
15	256QAM	36	0	18.43	18.45	18.18	19.00
15	256QAM	36	20	18.38	18.26	18.16	19.00
15	256QAM	36	39	18.38	18.37	18.09	19.00
15	256QAM	75	0	18.34	18.29	18.14	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.35	23.53	23.19	24.00
10	QPSK	1	25	23.21	23.41	23.02	24.00
10	QPSK	1	49	23.33	23.30	23.07	24.00
10	QPSK	25	0	22.47	22.54	22.43	23.00
10	QPSK	25	12	22.40	22.51	22.33	23.00
10	QPSK	25	25	22.32	22.48	22.15	23.00
10	QPSK	50	0	22.42	22.42	22.15	23.00
10	16QAM	1	0	22.31	22.42	22.13	23.00
10	16QAM	1	25	22.37	22.36	22.27	23.00
10	16QAM	1	49	22.35	22.42	22.15	23.00
10	16QAM	25	0	21.37	21.32	21.14	22.00
10	16QAM	25	12	21.39	21.33	21.12	22.00
10	16QAM	25	25	21.35	21.48	21.15	22.00
10	16QAM	50	0	21.48	21.46	21.02	22.00
10	64QAM	1	0	21.37	21.42	21.16	22.00
10	64QAM	1	25	21.44	21.36	21.13	22.00
10	64QAM	1	49	21.33	21.36	21.19	22.00
10	64QAM	25	0	20.31	20.44	20.08	21.00
10	64QAM	25	12	20.43	20.42	20.14	21.00
10	64QAM	25	25	20.35	20.44	20.16	21.00
10	64QAM	50	0	20.36	20.33	19.98	21.00
10	256QAM	1	0	18.42	18.42	18.14	19.00
10	256QAM	1	25	18.41	18.43	18.23	19.00
10	256QAM	1	49	18.38	18.49	18.03	19.00
10	256QAM	25	0	18.41	18.44	18.19	19.00
10	256QAM	25	12	18.40	18.32	18.18	19.00
10	256QAM	25	25	18.30	18.38	18.21	19.00
10	256QAM	50	0	18.44	18.30	18.15	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.30	23.45	23.13	24.00
5	QPSK	1	12	23.25	23.35	22.98	24.00
5	QPSK	1	24	23.26	23.29	23.11	24.00
5	QPSK	12	0	22.45	22.54	22.47	23.00
5	QPSK	12	7	22.42	22.43	22.26	23.00
5	QPSK	12	13	22.33	22.37	22.17	23.00
5	QPSK	25	0	22.39	22.39	22.15	23.00
5	16QAM	1	0	22.39	22.47	22.16	23.00
5	16QAM	1	12	22.38	22.41	22.18	23.00
5	16QAM	1	24	22.34	22.50	22.21	23.00
5	16QAM	12	0	21.43	21.34	21.16	22.00
5	16QAM	12	7	21.41	21.37	21.13	22.00
5	16QAM	12	13	21.36	21.41	21.10	22.00
5	16QAM	25	0	21.46	21.50	21.13	22.00
5	64QAM	1	0	21.37	21.35	21.07	22.00
5	64QAM	1	12	21.44	21.35	21.06	22.00
5	64QAM	1	24	21.46	21.38	21.15	22.00
5	64QAM	12	0	20.40	20.40	20.05	21.00
5	64QAM	12	7	20.40	20.43	20.05	21.00
5	64QAM	12	13	20.39	20.34	20.04	21.00
5	64QAM	25	0	20.39	20.36	19.99	21.00
5	256QAM	1	0	18.43	18.37	18.21	19.00
5	256QAM	1	12	18.44	18.44	18.14	19.00
5	256QAM	1	24	18.37	18.44	17.99	19.00
5	256QAM	12	0	18.38	18.38	18.21	19.00



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5	256QAM	12	7	18.29	18.28	18.17	19.00
5	256QAM	12	13	18.26	18.30	18.14	19.00
5	256QAM	25	0	18.36	18.28	18.08	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.38	23.51	23.09	24.00
3	QPSK	1	8	23.15	23.37	23.00	24.00
3	QPSK	1	14	23.25	23.34	23.07	24.00
3	QPSK	8	0	22.43	22.48	22.44	23.00
3	QPSK	8	4	22.42	22.51	22.31	23.00
3	QPSK	8	7	22.36	22.49	22.14	23.00
3	QPSK	15	0	22.36	22.50	22.17	23.00
3	16QAM	1	0	22.40	22.50	22.16	23.00
3	16QAM	1	8	22.45	22.45	22.28	23.00
3	16QAM	1	14	22.37	22.45	22.20	23.00
3	16QAM	8	0	21.43	21.43	21.10	22.00
3	16QAM	8	4	21.35	21.43	21.20	22.00
3	16QAM	8	7	21.27	21.43	21.11	22.00
3	16QAM	15	0	21.46	21.44	21.01	22.00
3	64QAM	1	0	21.26	21.31	21.07	22.00
3	64QAM	1	8	21.52	21.39	21.08	22.00
3	64QAM	1	14	21.44	21.31	21.13	22.00
3	64QAM	8	0	20.39	20.42	20.13	21.00
3	64QAM	8	4	20.41	20.44	20.05	21.00
3	64QAM	8	7	20.39	20.32	20.15	21.00
3	64QAM	15	0	20.37	20.46	20.09	21.00
3	256QAM	1	0	18.45	18.39	18.25	19.00
3	256QAM	1	8	18.41	18.45	18.24	19.00
3	256QAM	1	14	18.36	18.50	18.03	19.00
3	256QAM	8	0	18.48	18.40	18.14	19.00
3	256QAM	8	4	18.32	18.26	18.08	19.00
3	256QAM	8	7	18.34	18.35	18.07	19.00
3	256QAM	15	0	18.42	18.33	18.12	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.40	23.54	23.09	24.00
1.4	QPSK	1	3	23.23	23.42	23.02	24.00
1.4	QPSK	1	5	23.22	23.31	23.06	24.00
1.4	QPSK	3	0	23.48	23.53	23.40	24.00
1.4	QPSK	3	1	23.33	23.47	23.27	24.00
1.4	QPSK	3	3	23.28	23.43	23.05	24.00
1.4	QPSK	6	0	22.41	22.44	22.17	23.00
1.4	16QAM	1	0	22.42	22.49	22.20	23.00
1.4	16QAM	1	3	22.33	22.42	22.25	23.00
1.4	16QAM	1	5	22.39	22.39	22.23	23.00
1.4	16QAM	3	0	22.35	22.31	22.21	23.00
1.4	16QAM	3	1	22.37	22.34	22.06	23.00
1.4	16QAM	3	3	22.25	22.49	22.18	23.00
1.4	16QAM	6	0	21.49	21.51	21.08	22.00
1.4	64QAM	1	0	21.35	21.32	21.07	22.00
1.4	64QAM	1	3	21.47	21.40	21.06	22.00
1.4	64QAM	1	5	21.47	21.40	21.21	22.00
1.4	64QAM	3	0	21.30	21.50	21.10	22.00
1.4	64QAM	3	1	21.50	21.44	21.06	22.00
1.4	64QAM	3	3	21.38	21.43	21.05	22.00
1.4	64QAM	6	0	20.42	20.37	20.02	21.00
1.4	256QAM	1	0	18.46	18.32	18.25	19.00
1.4	256QAM	1	3	18.40	18.39	18.21	19.00
1.4	256QAM	1	5	18.46	18.54	18.00	19.00
1.4	256QAM	3	0	18.36	18.46	18.18	19.00
1.4	256QAM	3	1	18.35	18.38	18.04	19.00
1.4	256QAM	3	3	18.27	18.40	18.14	19.00
1.4	256QAM	6	0	18.34	18.34	18.21	19.00



【LTE Band 2_Ant 0_ECI 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	16.85	16.91	16.88	18.00
20	QPSK	1	49	16.81	16.76	16.85	18.00
20	QPSK	1	99	16.77	16.80	16.80	18.00
20	QPSK	50	0	16.85	16.88	16.83	18.00
20	QPSK	50	24	16.83	16.84	16.82	18.00
20	QPSK	50	50	16.80	16.80	16.79	18.00
20	QPSK	100	0	16.84	16.86	16.83	18.00
20	16QAM	1	0	16.76	16.81	16.82	18.00
20	16QAM	1	49	16.75	16.75	16.86	18.00
20	16QAM	1	99	16.82	16.75	16.75	18.00
20	16QAM	50	0	16.79	16.74	16.80	18.00
20	16QAM	50	24	16.82	16.82	16.75	18.00
20	16QAM	50	50	16.86	16.77	16.77	18.00
20	16QAM	100	0	16.79	16.80	16.75	18.00
20	64QAM	1	0	16.77	16.84	16.82	18.00
20	64QAM	1	49	16.84	16.76	16.81	18.00
20	64QAM	1	99	16.83	16.77	16.86	18.00
20	64QAM	50	0	16.84	16.82	16.79	18.00
20	64QAM	50	24	16.75	16.85	16.75	18.00
20	64QAM	50	50	16.74	16.80	16.78	18.00
20	64QAM	100	0	16.83	16.85	16.80	18.00
20	256QAM	1	0	16.84	16.78	16.81	18.00
20	256QAM	1	49	16.82	16.83	16.83	18.00
20	256QAM	1	99	16.86	16.85	16.85	18.00
20	256QAM	50	0	16.80	16.84	16.79	18.00
20	256QAM	50	24	16.84	16.86	16.84	18.00
20	256QAM	50	50	16.84	16.81	16.77	18.00
20	256QAM	100	0	16.81	16.84	16.75	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.74	16.79	16.82	18.00
15	QPSK	1	37	16.79	16.68	16.71	18.00
15	QPSK	1	74	16.67	16.77	16.66	18.00
15	QPSK	36	0	16.78	16.86	16.72	18.00
15	QPSK	36	20	16.77	16.75	16.74	18.00
15	QPSK	36	39	16.68	16.69	16.66	18.00
15	QPSK	75	0	16.71	16.78	16.79	18.00
15	16QAM	1	0	16.67	16.75	16.68	18.00
15	16QAM	1	37	16.66	16.67	16.75	18.00
15	16QAM	1	74	16.75	16.72	16.64	18.00
15	16QAM	36	0	16.75	16.70	16.72	18.00
15	16QAM	36	20	16.72	16.74	16.60	18.00
15	16QAM	36	39	16.77	16.66	16.70	18.00
15	16QAM	75	0	16.75	16.72	16.67	18.00
15	64QAM	1	0	16.68	16.75	16.71	18.00
15	64QAM	1	37	16.71	16.73	16.76	18.00
15	64QAM	1	74	16.69	16.70	16.83	18.00
15	64QAM	36	0	16.71	16.67	16.76	18.00
15	64QAM	36	20	16.74	16.73	16.62	18.00
15	64QAM	36	39	16.59	16.74	16.73	18.00
15	64QAM	75	0	16.73	16.72	16.71	18.00
15	256QAM	1	0	16.80	16.65	16.70	18.00
15	256QAM	1	37	16.70	16.73	16.71	18.00
15	256QAM	1	74	16.72	16.78	16.77	18.00
15	256QAM	36	0	16.67	16.81	16.74	18.00
15	256QAM	36	20	16.71	16.75	16.80	18.00
15	256QAM	36	39	16.78	16.69	16.73	18.00
15	256QAM	75	0	16.72	16.83	16.71	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.79	16.85	16.82	18.00
10	QPSK	1	25	16.72	16.64	16.72	18.00
10	QPSK	1	49	16.73	16.73	16.76	18.00
10	QPSK	25	0	16.73	16.85	16.79	18.00
10	QPSK	25	12	16.69	16.80	16.68	18.00
10	QPSK	25	25	16.65	16.74	16.69	18.00
10	QPSK	50	0	16.75	16.81	16.69	18.00
10	16QAM	1	0	16.64	16.67	16.71	18.00
10	16QAM	1	25	16.62	16.70	16.72	18.00



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10	16QAM	1	49	16.77	16.61	16.68	18.00
10	16QAM	25	0	16.67	16.68	16.65	18.00
10	16QAM	25	12	16.72	16.71	16.72	18.00
10	16QAM	25	25	16.82	16.66	16.73	18.00
10	16QAM	50	0	16.72	16.78	16.62	18.00
10	64QAM	1	0	16.65	16.70	16.80	18.00
10	64QAM	1	25	16.76	16.74	16.74	18.00
10	64QAM	1	49	16.72	16.70	16.83	18.00
10	64QAM	25	0	16.76	16.69	16.75	18.00
10	64QAM	25	12	16.61	16.82	16.71	18.00
10	64QAM	25	25	16.68	16.71	16.66	18.00
10	64QAM	50	0	16.73	16.78	16.66	18.00
10	256QAM	1	0	16.76	16.70	16.72	18.00
10	256QAM	1	25	16.75	16.72	16.69	18.00
10	256QAM	1	49	16.85	16.73	16.72	18.00
10	256QAM	25	0	16.78	16.74	16.75	18.00
10	256QAM	25	12	16.77	16.76	16.77	18.00
10	256QAM	25	25	16.82	16.74	16.72	18.00
10	256QAM	50	0	16.68	16.80	16.73	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	16.80	16.79	16.85	18.00
5	QPSK	1	12	16.70	16.61	16.79	18.00
5	QPSK	1	24	16.68	16.68	16.74	18.00
5	QPSK	12	0	16.74	16.74	16.74	18.00
5	QPSK	12	7	16.69	16.80	16.78	18.00
5	QPSK	12	13	16.75	16.70	16.69	18.00
5	QPSK	25	0	16.80	16.80	16.72	18.00
5	16QAM	1	0	16.75	16.77	16.77	18.00
5	16QAM	1	12	16.63	16.62	16.72	18.00
5	16QAM	1	24	16.81	16.69	16.72	18.00
5	16QAM	12	0	16.75	16.65	16.69	18.00
5	16QAM	12	7	16.67	16.70	16.62	18.00
5	16QAM	12	13	16.84	16.62	16.73	18.00
5	16QAM	25	0	16.65	16.74	16.67	18.00
5	64QAM	1	0	16.69	16.74	16.75	18.00
5	64QAM	1	12	16.72	16.74	16.67	18.00
5	64QAM	1	24	16.78	16.63	16.74	18.00
5	64QAM	12	0	16.74	16.70	16.65	18.00
5	64QAM	12	7	16.62	16.71	16.70	18.00
5	64QAM	12	13	16.63	16.73	16.70	18.00
5	64QAM	25	0	16.82	16.77	16.72	18.00
5	256QAM	1	0	16.83	16.63	16.73	18.00
5	256QAM	1	12	16.69	16.77	16.80	18.00
5	256QAM	1	24	16.80	16.83	16.71	18.00
5	256QAM	12	0	16.67	16.72	16.76	18.00
5	256QAM	12	7	16.81	16.75	16.79	18.00
5	256QAM	12	13	16.70	16.70	16.72	18.00
5	256QAM	25	0	16.72	16.80	16.61	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.77	16.85	16.85	18.00
3	QPSK	1	8	16.71	16.74	16.80	18.00
3	QPSK	1	14	16.62	16.69	16.73	18.00
3	QPSK	8	0	16.80	16.77	16.76	18.00
3	QPSK	8	4	16.81	16.69	16.72	18.00
3	QPSK	8	7	16.74	16.65	16.70	18.00
3	QPSK	15	0	16.71	16.85	16.76	18.00
3	16QAM	1	0	16.64	16.77	16.68	18.00
3	16QAM	1	8	16.61	16.69	16.78	18.00
3	16QAM	1	14	16.69	16.66	16.64	18.00
3	16QAM	8	0	16.75	16.65	16.68	18.00
3	16QAM	8	4	16.71	16.74	16.67	18.00
3	16QAM	8	7	16.74	16.71	16.66	18.00
3	16QAM	15	0	16.73	16.71	16.68	18.00
3	64QAM	1	0	16.72	16.71	16.72	18.00
3	64QAM	1	8	16.78	16.70	16.75	18.00
3	64QAM	1	14	16.72	16.76	16.76	18.00
3	64QAM	8	0	16.77	16.69	16.64	18.00
3	64QAM	8	4	16.69	16.83	16.63	18.00
3	64QAM	8	7	16.72	16.68	16.68	18.00
3	64QAM	15	0	16.80	16.78	16.76	18.00
3	256QAM	1	0	16.81	16.73	16.75	18.00
3	256QAM	1	8	16.78	16.70	16.73	18.00
3	256QAM	1	14	16.76	16.80	16.76	18.00
3	256QAM	8	0	16.67	16.74	16.72	18.00
3	256QAM	8	4	16.73	16.73	16.76	18.00
3	256QAM	8	7	16.70	16.69	16.73	18.00



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3	256QAM	15	0	16.71	16.82	16.62	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.73	16.83	16.82	18.00
1.4	QPSK	1	3	16.80	16.62	16.79	18.00
1.4	QPSK	1	5	16.71	16.76	16.74	18.00
1.4	QPSK	3	0	16.73	16.84	16.74	18.00
1.4	QPSK	3	1	16.69	16.75	16.76	18.00
1.4	QPSK	3	3	16.67	16.70	16.78	18.00
1.4	QPSK	6	0	16.82	16.73	16.70	18.00
1.4	16QAM	1	0	16.71	16.69	16.75	18.00
1.4	16QAM	1	3	16.69	16.69	16.79	18.00
1.4	16QAM	1	5	16.71	16.69	16.72	18.00
1.4	16QAM	3	0	16.75	16.73	16.73	18.00
1.4	16QAM	3	1	16.68	16.80	16.73	18.00
1.4	16QAM	3	3	16.84	16.66	16.63	18.00
1.4	16QAM	6	0	16.68	16.69	16.69	18.00
1.4	64QAM	1	0	16.68	16.72	16.70	18.00
1.4	64QAM	1	3	16.77	16.64	16.80	18.00
1.4	64QAM	1	5	16.77	16.74	16.83	18.00
1.4	64QAM	3	0	16.82	16.80	16.76	18.00
1.4	64QAM	3	1	16.64	16.74	16.70	18.00
1.4	64QAM	3	3	16.70	16.66	16.67	18.00
1.4	64QAM	6	0	16.70	16.78	16.65	18.00
1.4	256QAM	1	0	16.76	16.75	16.69	18.00
1.4	256QAM	1	3	16.78	16.79	16.73	18.00
1.4	256QAM	1	5	16.73	16.75	16.84	18.00
1.4	256QAM	3	0	16.73	16.83	16.69	18.00
1.4	256QAM	3	1	16.70	16.76	16.75	18.00
1.4	256QAM	3	3	16.78	16.78	16.62	18.00
1.4	256QAM	6	0	16.76	16.69	16.68	18.00

【LTE Band 2_Ant 0_ECI 3-1】

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	16.93	17.08	16.86	18.00
20	QPSK	1	49	16.91	16.93	16.76	18.00
20	QPSK	1	99	16.83	17.01	16.75	18.00
20	QPSK	50	0	16.93	17.06	16.76	18.00
20	QPSK	50	24	16.84	17.02	16.72	18.00
20	QPSK	50	50	16.90	17.03	16.69	18.00
20	QPSK	100	0	16.90	17.04	16.68	18.00
20	16QAM	1	0	16.84	17.00	16.68	18.00
20	16QAM	1	49	16.81	16.93	16.59	18.00
20	16QAM	1	99	16.81	16.99	16.71	18.00
20	16QAM	50	0	16.81	17.05	16.75	18.00
20	16QAM	50	24	16.81	17.05	16.77	18.00
20	16QAM	50	50	16.90	16.99	16.69	18.00
20	16QAM	100	0	16.80	16.94	16.63	18.00
20	64QAM	1	0	16.80	16.93	16.61	18.00
20	64QAM	1	49	16.86	17.01	16.70	18.00
20	64QAM	1	99	16.85	16.93	16.62	18.00
20	64QAM	50	0	16.85	17.05	16.77	18.00
20	64QAM	50	24	16.91	17.01	16.74	18.00
20	64QAM	50	50	16.89	16.98	16.73	18.00
20	64QAM	100	0	16.91	16.93	16.61	18.00
20	256QAM	1	0	16.80	16.98	16.62	18.00
20	256QAM	1	49	16.81	16.96	16.61	18.00
20	256QAM	1	99	16.86	17.03	16.71	18.00
20	256QAM	50	0	16.80	17.01	16.72	18.00
20	256QAM	50	24	16.83	17.01	16.65	18.00
20	256QAM	50	50	16.84	16.98	16.73	18.00
20	256QAM	100	0	16.86	16.96	16.60	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.81	16.99	16.84	18.00
15	QPSK	1	37	16.78	16.90	16.71	18.00
15	QPSK	1	74	16.80	16.89	16.62	18.00
15	QPSK	36	0	16.84	17.05	16.74	18.00
15	QPSK	36	20	16.70	16.96	16.70	18.00



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15	QPSK	36	39	16.82	16.98	16.66	18.00
15	QPSK	75	0	16.81	16.95	16.61	18.00
15	16QAM	1	0	16.76	16.94	16.64	18.00
15	16QAM	1	37	16.72	16.87	16.45	18.00
15	16QAM	1	74	16.80	16.89	16.58	18.00
15	16QAM	36	0	16.76	16.97	16.70	18.00
15	16QAM	36	20	16.70	17.00	16.74	18.00
15	16QAM	36	39	16.78	16.96	16.64	18.00
15	16QAM	75	0	16.74	16.89	16.53	18.00
15	64QAM	1	0	16.73	16.81	16.51	18.00
15	64QAM	1	37	16.82	16.88	16.66	18.00
15	64QAM	1	74	16.72	16.89	16.54	18.00
15	64QAM	36	0	16.71	16.95	16.69	18.00
15	64QAM	36	20	16.81	16.89	16.68	18.00
15	64QAM	36	39	16.76	16.93	16.62	18.00
15	64QAM	75	0	16.83	16.80	16.59	18.00
15	256QAM	1	0	16.70	16.90	16.51	18.00
15	256QAM	1	37	16.73	16.92	16.59	18.00
15	256QAM	1	74	16.76	16.95	16.65	18.00
15	256QAM	36	0	16.75	16.95	16.70	18.00
15	256QAM	36	20	16.72	16.89	16.55	18.00
15	256QAM	36	39	16.77	16.94	16.64	18.00
15	256QAM	75	0	16.83	16.94	16.52	18.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	16.88	16.94	16.77	18.00
10	QPSK	1	25	16.82	16.91	16.72	18.00
10	QPSK	1	49	16.77	16.95	16.64	18.00
10	QPSK	25	0	16.79	16.92	16.66	18.00
10	QPSK	25	12	16.80	16.88	16.63	18.00
10	QPSK	25	25	16.84	16.88	16.60	18.00
10	QPSK	50	0	16.87	16.99	16.63	18.00
10	16QAM	1	0	16.71	16.95	16.66	18.00
10	16QAM	1	25	16.73	16.81	16.57	18.00
10	16QAM	1	49	16.75	16.96	16.58	18.00
10	16QAM	25	0	16.76	17.04	16.73	18.00
10	16QAM	25	12	16.67	16.92	16.68	18.00
10	16QAM	25	25	16.79	16.87	16.57	18.00
10	16QAM	50	0	16.69	16.90	16.59	18.00
10	64QAM	1	0	16.69	16.91	16.56	18.00
10	64QAM	1	25	16.77	16.99	16.58	18.00
10	64QAM	1	49	16.80	16.85	16.52	18.00
10	64QAM	25	0	16.73	17.03	16.65	18.00
10	64QAM	25	12	16.88	16.96	16.70	18.00
10	64QAM	25	25	16.79	16.95	16.67	18.00
10	64QAM	50	0	16.89	16.87	16.56	18.00
10	256QAM	1	0	16.78	16.92	16.59	18.00
10	256QAM	1	25	16.79	16.83	16.56	18.00
10	256QAM	1	49	16.84	16.93	16.58	18.00
10	256QAM	25	0	16.75	16.98	16.62	18.00
10	256QAM	25	12	16.72	16.88	16.64	18.00
10	256QAM	25	25	16.72	16.85	16.61	18.00
10	256QAM	50	0	16.74	16.84	16.59	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	16.86	16.98	16.75	18.00
5	QPSK	1	12	16.84	16.82	16.72	18.00
5	QPSK	1	24	16.79	16.87	16.72	18.00
5	QPSK	12	0	16.91	16.92	16.65	18.00
5	QPSK	12	7	16.74	16.96	16.68	18.00
5	QPSK	12	13	16.76	17.01	16.60	18.00
5	QPSK	25	0	16.78	16.94	16.66	18.00
5	16QAM	1	0	16.70	16.88	16.65	18.00
5	16QAM	1	12	16.69	16.80	16.46	18.00
5	16QAM	1	24	16.72	16.85	16.58	18.00
5	16QAM	12	0	16.69	16.96	16.65	18.00
5	16QAM	12	7	16.69	16.95	16.68	18.00
5	16QAM	12	13	16.83	16.84	16.54	18.00
5	16QAM	25	0	16.76	16.84	16.61	18.00
5	64QAM	1	0	16.74	16.81	16.49	18.00
5	64QAM	1	12	16.74	16.94	16.60	18.00
5	64QAM	1	24	16.77	16.81	16.48	18.00
5	64QAM	12	0	16.77	17.04	16.73	18.00
5	64QAM	12	7	16.88	16.93	16.64	18.00
5	64QAM	12	13	16.87	16.95	16.67	18.00
5	64QAM	25	0	16.89	16.91	16.52	18.00
5	256QAM	1	0	16.73	16.93	16.59	18.00
5	256QAM	1	12	16.71	16.93	16.48	18.00



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5	256QAM	1	24	16.71	17.02	16.65	18.00
5	256QAM	12	0	16.79	16.90	16.70	18.00
5	256QAM	12	7	16.71	16.98	16.54	18.00
5	256QAM	12	13	16.83	16.91	16.66	18.00
5	256QAM	25	0	16.78	16.82	16.49	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.90	16.95	16.84	18.00
3	QPSK	1	8	16.87	16.79	16.74	18.00
3	QPSK	1	14	16.70	16.97	16.66	18.00
3	QPSK	8	0	16.92	17.01	16.69	18.00
3	QPSK	8	4	16.73	16.95	16.59	18.00
3	QPSK	8	7	16.86	16.93	16.58	18.00
3	QPSK	15	0	16.88	16.97	16.62	18.00
3	16QAM	1	0	16.80	16.97	16.61	18.00
3	16QAM	1	8	16.77	16.82	16.50	18.00
3	16QAM	1	14	16.76	16.93	16.66	18.00
3	16QAM	8	0	16.78	16.93	16.62	18.00
3	16QAM	8	4	16.71	16.93	16.74	18.00
3	16QAM	8	7	16.80	16.85	16.64	18.00
3	16QAM	15	0	16.75	16.84	16.60	18.00
3	64QAM	1	0	16.65	16.82	16.56	18.00
3	64QAM	1	8	16.84	16.91	16.58	18.00
3	64QAM	1	14	16.73	16.80	16.50	18.00
3	64QAM	8	0	16.71	16.94	16.72	18.00
3	64QAM	8	4	16.86	16.98	16.66	18.00
3	64QAM	8	7	16.84	16.88	16.69	18.00
3	64QAM	15	0	16.81	16.84	16.50	18.00
3	256QAM	1	0	16.72	16.85	16.56	18.00
3	256QAM	1	8	16.76	16.87	16.54	18.00
3	256QAM	1	14	16.72	16.98	16.64	18.00
3	256QAM	8	0	16.73	16.99	16.57	18.00
3	256QAM	8	4	16.69	16.96	16.56	18.00
3	256QAM	8	7	16.74	16.84	16.63	18.00
3	256QAM	15	0	16.74	16.92	16.53	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.92	16.96	16.73	18.00
1.4	QPSK	1	3	16.84	16.80	16.63	18.00
1.4	QPSK	1	5	16.76	16.90	16.61	18.00
1.4	QPSK	3	0	16.83	16.93	16.69	18.00
1.4	QPSK	3	1	16.83	16.90	16.61	18.00
1.4	QPSK	3	3	16.80	17.01	16.60	18.00
1.4	QPSK	6	0	16.84	17.01	16.58	18.00
1.4	16QAM	1	0	16.81	16.97	16.63	18.00
1.4	16QAM	1	3	16.78	16.83	16.48	18.00
1.4	16QAM	1	5	16.77	16.97	16.67	18.00
1.4	16QAM	3	0	16.74	17.00	16.68	18.00
1.4	16QAM	3	1	16.72	16.94	16.66	18.00
1.4	16QAM	3	3	16.78	16.93	16.67	18.00
1.4	16QAM	6	0	16.67	16.90	16.55	18.00
1.4	64QAM	1	0	16.75	16.84	16.47	18.00
1.4	64QAM	1	3	16.83	16.92	16.66	18.00
1.4	64QAM	1	5	16.76	16.82	16.60	18.00
1.4	64QAM	3	0	16.77	16.92	16.70	18.00
1.4	64QAM	3	1	16.84	16.89	16.63	18.00
1.4	64QAM	3	3	16.80	16.91	16.67	18.00
1.4	64QAM	6	0	16.80	16.79	16.51	18.00
1.4	256QAM	1	0	16.73	16.85	16.48	18.00
1.4	256QAM	1	3	16.68	16.94	16.52	18.00
1.4	256QAM	1	5	16.82	16.89	16.63	18.00
1.4	256QAM	3	0	16.66	16.91	16.67	18.00
1.4	256QAM	3	1	16.79	16.90	16.50	18.00
1.4	256QAM	3	3	16.78	16.93	16.65	18.00
1.4	256QAM	6	0	16.80	16.84	16.56	18.00



【LTE Band 2_Ant 0_ECI 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	22.32	22.44	22.26	24.00
20	QPSK	1	49	22.13	22.32	22.03	24.00
20	QPSK	1	99	22.18	22.39	22.07	24.00
20	QPSK	50	0	21.19	21.34	21.11	23.00
20	QPSK	50	24	21.17	21.31	21.01	23.00
20	QPSK	50	50	21.13	21.32	21.03	23.00
20	QPSK	100	0	21.22	21.36	21.08	23.00
20	16QAM	1	0	21.40	21.64	21.41	23.00
20	16QAM	1	49	21.42	21.61	21.38	23.00
20	16QAM	1	99	21.31	21.57	21.37	23.00
20	16QAM	50	0	20.20	20.32	20.11	22.00
20	16QAM	50	24	20.06	20.28	20.04	22.00
20	16QAM	50	50	20.07	20.31	20.06	22.00
20	16QAM	100	0	20.09	20.35	20.14	22.00
20	64QAM	1	0	20.30	20.51	20.20	22.00
20	64QAM	1	49	20.25	20.47	20.28	22.00
20	64QAM	1	99	20.22	20.42	20.16	22.00
20	64QAM	50	0	19.15	19.35	19.11	21.00
20	64QAM	50	24	19.10	19.31	19.08	21.00
20	64QAM	50	50	19.14	19.34	19.04	21.00
20	64QAM	100	0	19.11	19.32	19.06	21.00
20	256QAM	1	0	17.25	17.46	17.17	19.00
20	256QAM	1	49	17.23	17.44	17.22	19.00
20	256QAM	1	99	17.15	17.32	17.05	19.00
20	256QAM	50	0	17.22	17.33	17.16	19.00
20	256QAM	50	24	17.17	17.31	17.06	19.00
20	256QAM	50	50	17.14	17.33	17.16	19.00
20	256QAM	100	0	17.12	17.31	17.04	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.26	22.38	22.22	24.00
15	QPSK	1	37	22.03	22.24	22.01	24.00
15	QPSK	1	74	22.03	22.29	22.00	24.00
15	QPSK	36	0	21.15	21.20	21.05	23.00
15	QPSK	36	20	21.10	21.28	21.00	23.00
15	QPSK	36	39	21.02	21.19	21.01	23.00
15	QPSK	75	0	21.18	21.29	21.00	23.00
15	16QAM	1	0	21.38	21.58	21.30	23.00
15	16QAM	1	37	21.28	21.55	21.30	23.00
15	16QAM	1	74	21.23	21.43	21.30	23.00
15	16QAM	36	0	20.07	20.21	20.00	22.00
15	16QAM	36	20	20.04	20.19	20.01	22.00
15	16QAM	36	39	20.00	20.19	20.01	22.00
15	16QAM	75	0	20.04	20.28	20.09	22.00
15	64QAM	1	0	20.16	20.49	20.13	22.00
15	64QAM	1	37	20.21	20.35	20.18	22.00
15	64QAM	1	74	20.21	20.31	20.09	22.00
15	64QAM	36	0	19.10	19.23	19.09	21.00
15	64QAM	36	20	19.08	19.18	19.00	21.00
15	64QAM	36	39	19.07	19.23	19.01	21.00
15	64QAM	75	0	19.00	19.19	19.02	21.00
15	256QAM	1	0	17.21	17.36	17.10	19.00
15	256QAM	1	37	17.17	17.30	17.11	19.00
15	256QAM	1	74	17.09	17.19	17.00	19.00
15	256QAM	36	0	17.13	17.26	17.03	19.00
15	256QAM	36	20	17.09	17.22	17.03	19.00
15	256QAM	36	39	17.01	17.20	17.14	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.23	22.35	22.24	24.00
10	QPSK	1	25	22.06	22.29	22.01	24.00
10	QPSK	1	49	22.17	22.24	22.00	24.00
10	QPSK	25	0	21.07	21.33	21.09	23.00
10	QPSK	25	12	21.14	21.18	21.01	23.00
10	QPSK	25	25	21.01	21.24	21.01	23.00
10	QPSK	50	0	21.09	21.30	21.05	23.00
10	16QAM	1	0	21.37	21.50	21.36	23.00
10	16QAM	1	25	21.36	21.54	21.32	23.00



10	16QAM	1	49	21.16	21.46	21.32	23.00
10	16QAM	25	0	20.19	20.27	20.01	22.00
10	16QAM	25	12	20.03	20.25	20.01	22.00
10	16QAM	25	25	20.04	20.26	20.01	22.00
10	16QAM	50	0	20.07	20.33	20.03	22.00
10	64QAM	1	0	20.23	20.47	20.12	22.00
10	64QAM	1	25	20.13	20.44	20.25	22.00
10	64QAM	1	49	20.11	20.39	20.12	22.00
10	64QAM	25	0	19.09	19.25	19.05	21.00
10	64QAM	25	12	19.01	19.19	19.01	21.00
10	64QAM	25	25	19.03	19.25	19.00	21.00
10	64QAM	50	0	19.07	19.21	19.00	21.00
10	256QAM	1	0	17.22	17.41	17.13	19.00
10	256QAM	1	25	17.13	17.37	17.19	19.00
10	256QAM	1	49	17.04	17.27	17.01	19.00
10	256QAM	25	0	17.09	17.24	17.01	19.00
10	256QAM	25	12	17.05	17.29	17.02	19.00
10	256QAM	25	25	17.01	17.19	17.01	19.00
10	256QAM	50	0	17.09	17.21	17.00	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.25	22.29	22.21	24.00
5	QPSK	1	12	22.06	22.25	22.00	24.00
5	QPSK	1	24	22.09	22.32	22.01	24.00
5	QPSK	12	0	21.05	21.30	21.01	23.00
5	QPSK	12	7	21.03	21.20	21.02	23.00
5	QPSK	12	13	21.01	21.22	21.00	23.00
5	QPSK	25	0	21.15	21.34	21.02	23.00
5	16QAM	1	0	21.27	21.61	21.38	23.00
5	16QAM	1	12	21.35	21.50	21.31	23.00
5	16QAM	1	24	21.27	21.52	21.24	23.00
5	16QAM	12	0	20.07	20.22	20.06	22.00
5	16QAM	12	7	20.02	20.24	20.00	22.00
5	16QAM	12	13	20.01	20.24	20.01	22.00
5	16QAM	25	0	20.00	20.23	20.01	22.00
5	64QAM	1	0	20.18	20.40	20.05	22.00
5	64QAM	1	12	20.19	20.41	20.20	22.00
5	64QAM	1	24	20.10	20.40	20.06	22.00
5	64QAM	12	0	19.11	19.31	19.06	21.00
5	64QAM	12	7	19.06	19.21	19.04	21.00
5	64QAM	12	13	19.07	19.20	19.02	21.00
5	64QAM	25	0	19.04	19.26	19.00	21.00
5	256QAM	1	0	17.15	17.37	17.06	19.00
5	256QAM	1	12	17.18	17.39	17.07	19.00
5	256QAM	1	24	17.11	17.21	17.00	19.00
5	256QAM	12	0	17.19	17.28	17.04	19.00
5	256QAM	12	7	17.13	17.26	17.05	19.00
5	256QAM	12	13	17.01	17.26	17.05	19.00
5	256QAM	25	0	17.00	17.19	17.00	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.27	22.18	22.24	24.00
3	QPSK	1	8	22.01	22.30	22.00	24.00
3	QPSK	1	14	22.04	22.33	22.01	24.00
3	QPSK	8	0	21.11	21.28	21.10	23.00
3	QPSK	8	4	21.05	21.28	21.00	23.00
3	QPSK	8	7	21.11	21.22	21.01	23.00
3	QPSK	15	0	21.17	21.25	21.04	23.00
3	16QAM	1	0	21.38	21.63	21.38	23.00
3	16QAM	1	8	21.38	21.54	21.37	23.00
3	16QAM	1	14	21.18	21.55	21.29	23.00
3	16QAM	8	0	20.15	20.24	20.02	22.00
3	16QAM	8	4	20.00	20.15	20.00	22.00
3	16QAM	8	7	20.01	20.27	20.02	22.00
3	16QAM	15	0	20.07	20.23	20.13	22.00
3	64QAM	1	0	20.21	20.41	20.16	22.00
3	64QAM	1	8	20.23	20.34	20.23	22.00
3	64QAM	1	14	20.08	20.27	20.04	22.00
3	64QAM	8	0	19.07	19.28	19.00	21.00
3	64QAM	8	4	19.09	19.22	19.01	21.00
3	64QAM	8	7	19.04	19.27	19.02	21.00
3	64QAM	15	0	19.08	19.24	19.03	21.00
3	256QAM	1	0	17.13	17.37	17.05	19.00
3	256QAM	1	8	17.16	17.41	17.08	19.00
3	256QAM	1	14	17.06	17.25	17.02	19.00
3	256QAM	8	0	17.17	17.25	17.04	19.00
3	256QAM	8	4	17.16	17.21	17.00	19.00
3	256QAM	8	7	17.01	17.29	17.02	19.00



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3	256QAM	15	0	17.02	17.29	17.02	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.30	22.21	22.24	24.00
1.4	QPSK	1	3	22.04	22.19	22.02	24.00
1.4	QPSK	1	5	22.10	22.33	22.00	24.00
1.4	QPSK	3	0	22.06	22.21	22.01	24.00
1.4	QPSK	3	1	22.06	22.18	22.01	24.00
1.4	QPSK	3	3	22.01	22.24	22.00	24.00
1.4	QPSK	6	0	21.19	21.23	21.06	23.00
1.4	16QAM	1	0	21.32	21.52	21.35	23.00
1.4	16QAM	1	3	21.39	21.58	21.37	23.00
1.4	16QAM	1	5	21.19	21.45	21.26	23.00
1.4	16QAM	3	0	21.14	21.29	21.10	23.00
1.4	16QAM	3	1	21.00	21.26	21.00	23.00
1.4	16QAM	3	3	21.04	21.22	21.03	23.00
1.4	16QAM	6	0	20.02	20.25	20.13	22.00
1.4	64QAM	1	0	20.27	20.41	20.15	22.00
1.4	64QAM	1	3	20.13	20.43	20.23	22.00
1.4	64QAM	1	5	20.17	20.28	20.09	22.00
1.4	64QAM	3	0	20.04	20.29	20.06	22.00
1.4	64QAM	3	1	20.01	20.20	20.02	22.00
1.4	64QAM	3	3	20.05	20.31	20.02	22.00
1.4	64QAM	6	0	19.05	19.25	19.01	21.00
1.4	256QAM	1	0	17.19	17.42	17.05	19.00
1.4	256QAM	1	3	17.20	17.30	17.13	19.00
1.4	256QAM	1	5	17.11	17.24	17.04	19.00
1.4	256QAM	3	0	17.07	17.19	17.03	19.00
1.4	256QAM	3	1	17.08	17.22	17.00	19.00
1.4	256QAM	3	3	17.09	17.21	17.13	19.00
1.4	256QAM	6	0	17.00	17.23	17.00	19.00

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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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.45	23.59	23.21	24.00
20	QPSK	1	49	23.28	23.50	23.07	24.00
20	QPSK	1	99	23.35	23.40	23.16	24.00
20	QPSK	50	0	22.52	22.57	22.48	23.00
20	QPSK	50	24	22.46	22.55	22.34	23.00
20	QPSK	50	50	22.41	22.51	22.20	23.00
20	QPSK	100	0	22.50	22.53	22.20	23.00
20	16QAM	1	0	22.43	22.53	22.22	23.00
20	16QAM	1	49	22.47	22.47	22.31	23.00
20	16QAM	1	99	22.48	22.51	22.27	23.00
20	16QAM	50	0	21.48	21.45	21.22	22.00
20	16QAM	50	24	21.43	21.45	21.21	22.00
20	16QAM	50	50	21.39	21.53	21.20	22.00
20	16QAM	100	0	21.53	21.54	21.16	22.00
20	64QAM	1	0	21.41	21.45	21.19	22.00
20	64QAM	1	49	21.55	21.47	21.17	22.00
20	64QAM	1	99	21.48	21.43	21.25	22.00
20	64QAM	50	0	20.42	20.53	20.18	21.00
20	64QAM	50	24	20.51	20.50	20.16	21.00
20	64QAM	50	50	20.42	20.46	20.17	21.00
20	64QAM	100	0	20.45	20.48	20.11	21.00
20	256QAM	1	0	18.51	18.46	18.29	19.00
20	256QAM	1	49	18.51	18.50	18.27	19.00
20	256QAM	1	99	18.47	18.56	18.10	19.00
20	256QAM	50	0	18.51	18.48	18.25	19.00
20	256QAM	50	24	18.41	18.41	18.19	19.00
20	256QAM	50	50	18.39	18.44	18.22	19.00
20	256QAM	100	0	18.47	18.41	18.23	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.37	23.55	23.12	24.00
15	QPSK	1	37	23.14	23.42	23.04	24.00
15	QPSK	1	74	23.20	23.34	23.09	24.00
15	QPSK	36	0	22.43	22.44	22.33	23.00
15	QPSK	36	20	22.44	22.45	22.31	23.00



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15	QPSK	36	39	22.29	22.40	22.10	23.00
15	QPSK	75	0	22.45	22.49	22.19	23.00
15	16QAM	1	0	22.32	22.51	22.10	23.00
15	16QAM	1	37	22.39	22.41	22.20	23.00
15	16QAM	1	74	22.39	22.39	22.17	23.00
15	16QAM	36	0	21.41	21.35	21.07	22.00
15	16QAM	36	20	21.38	21.33	21.08	22.00
15	16QAM	36	39	21.36	21.48	21.10	22.00
15	16QAM	75	0	21.51	21.51	21.02	22.00
15	64QAM	1	0	21.33	21.35	21.08	22.00
15	64QAM	1	37	21.52	21.43	21.03	22.00
15	64QAM	1	74	21.36	21.37	21.18	22.00
15	64QAM	36	0	20.33	20.51	20.08	21.00
15	64QAM	36	20	20.37	20.42	20.14	21.00
15	64QAM	36	39	20.33	20.45	20.03	21.00
15	64QAM	75	0	20.44	20.44	20.09	21.00
15	256QAM	1	0	18.49	18.44	18.16	19.00
15	256QAM	1	37	18.37	18.45	18.12	19.00
15	256QAM	1	74	18.32	18.45	18.00	19.00
15	256QAM	36	0	18.43	18.45	18.18	19.00
15	256QAM	36	20	18.38	18.26	18.16	19.00
15	256QAM	36	39	18.38	18.37	18.09	19.00
15	256QAM	75	0	18.34	18.29	18.14	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.35	23.53	23.19	24.00
10	QPSK	1	25	23.21	23.41	23.02	24.00
10	QPSK	1	49	23.33	23.30	23.07	24.00
10	QPSK	25	0	22.47	22.54	22.43	23.00
10	QPSK	25	12	22.40	22.51	22.33	23.00
10	QPSK	25	25	22.32	22.48	22.15	23.00
10	QPSK	50	0	22.42	22.42	22.15	23.00
10	16QAM	1	0	22.31	22.42	22.13	23.00
10	16QAM	1	25	22.37	22.36	22.27	23.00
10	16QAM	1	49	22.35	22.42	22.15	23.00
10	16QAM	25	0	21.37	21.32	21.14	22.00
10	16QAM	25	12	21.39	21.33	21.12	22.00
10	16QAM	25	25	21.35	21.48	21.15	22.00
10	16QAM	50	0	21.48	21.46	21.02	22.00
10	64QAM	1	0	21.37	21.42	21.16	22.00
10	64QAM	1	25	21.44	21.36	21.13	22.00
10	64QAM	1	49	21.33	21.36	21.19	22.00
10	64QAM	25	0	20.31	20.44	20.08	21.00
10	64QAM	25	12	20.43	20.42	20.14	21.00
10	64QAM	25	25	20.35	20.44	20.16	21.00
10	64QAM	50	0	20.36	20.33	19.98	21.00
10	256QAM	1	0	18.42	18.42	18.14	19.00
10	256QAM	1	25	18.41	18.43	18.23	19.00
10	256QAM	1	49	18.38	18.49	18.03	19.00
10	256QAM	25	0	18.41	18.44	18.19	19.00
10	256QAM	25	12	18.40	18.32	18.18	19.00
10	256QAM	25	25	18.30	18.38	18.21	19.00
10	256QAM	50	0	18.44	18.30	18.15	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.30	23.45	23.13	24.00
5	QPSK	1	12	23.25	23.35	22.98	24.00
5	QPSK	1	24	23.26	23.29	23.11	24.00
5	QPSK	12	0	22.45	22.54	22.47	23.00
5	QPSK	12	7	22.42	22.43	22.26	23.00
5	QPSK	12	13	22.33	22.37	22.17	23.00
5	QPSK	25	0	22.39	22.39	22.15	23.00
5	16QAM	1	0	22.39	22.47	22.16	23.00
5	16QAM	1	12	22.38	22.41	22.18	23.00
5	16QAM	1	24	22.34	22.50	22.21	23.00
5	16QAM	12	0	21.43	21.34	21.16	22.00
5	16QAM	12	7	21.41	21.37	21.13	22.00
5	16QAM	12	13	21.36	21.41	21.10	22.00
5	16QAM	25	0	21.46	21.50	21.13	22.00
5	64QAM	1	0	21.37	21.35	21.07	22.00
5	64QAM	1	12	21.44	21.35	21.06	22.00
5	64QAM	1	24	21.46	21.38	21.15	22.00
5	64QAM	12	0	20.40	20.40	20.05	21.00
5	64QAM	12	7	20.40	20.43	20.05	21.00
5	64QAM	12	13	20.39	20.34	20.04	21.00
5	64QAM	25	0	20.39	20.36	19.99	21.00
5	256QAM	1	0	18.43	18.37	18.21	19.00
5	256QAM	1	12	18.44	18.44	18.14	19.00



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5	256QAM	1	24	18.37	18.44	17.99	19.00
5	256QAM	12	0	18.38	18.38	18.21	19.00
5	256QAM	12	7	18.29	18.28	18.17	19.00
5	256QAM	12	13	18.26	18.30	18.14	19.00
5	256QAM	25	0	18.36	18.28	18.08	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.38	23.51	23.09	24.00
3	QPSK	1	8	23.15	23.37	23.00	24.00
3	QPSK	1	14	23.25	23.34	23.07	24.00
3	QPSK	8	0	22.43	22.48	22.44	23.00
3	QPSK	8	4	22.42	22.51	22.31	23.00
3	QPSK	8	7	22.36	22.49	22.14	23.00
3	QPSK	15	0	22.36	22.50	22.17	23.00
3	16QAM	1	0	22.40	22.50	22.16	23.00
3	16QAM	1	8	22.45	22.45	22.28	23.00
3	16QAM	1	14	22.37	22.45	22.20	23.00
3	16QAM	8	0	21.43	21.43	21.10	22.00
3	16QAM	8	4	21.35	21.43	21.20	22.00
3	16QAM	8	7	21.27	21.43	21.11	22.00
3	16QAM	15	0	21.46	21.44	21.01	22.00
3	64QAM	1	0	21.26	21.31	21.07	22.00
3	64QAM	1	8	21.52	21.39	21.08	22.00
3	64QAM	1	14	21.44	21.31	21.13	22.00
3	64QAM	8	0	20.39	20.42	20.13	21.00
3	64QAM	8	4	20.41	20.44	20.05	21.00
3	64QAM	8	7	20.39	20.32	20.15	21.00
3	64QAM	15	0	20.37	20.46	20.09	21.00
3	256QAM	1	0	18.45	18.39	18.25	19.00
3	256QAM	1	8	18.41	18.45	18.24	19.00
3	256QAM	1	14	18.36	18.50	18.03	19.00
3	256QAM	8	0	18.48	18.40	18.14	19.00
3	256QAM	8	4	18.32	18.26	18.08	19.00
3	256QAM	8	7	18.34	18.35	18.07	19.00
3	256QAM	15	0	18.42	18.33	18.12	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.40	23.54	23.09	24.00
1.4	QPSK	1	3	23.23	23.42	23.02	24.00
1.4	QPSK	1	5	23.22	23.31	23.06	24.00
1.4	QPSK	3	0	23.48	23.53	23.40	24.00
1.4	QPSK	3	1	23.33	23.47	23.27	24.00
1.4	QPSK	3	3	23.28	23.43	23.05	24.00
1.4	QPSK	6	0	22.41	22.44	22.17	23.00
1.4	16QAM	1	0	22.42	22.49	22.20	23.00
1.4	16QAM	1	3	22.33	22.42	22.25	23.00
1.4	16QAM	1	5	22.39	22.39	22.23	23.00
1.4	16QAM	3	0	22.35	22.31	22.21	23.00
1.4	16QAM	3	1	22.37	22.34	22.06	23.00
1.4	16QAM	3	3	22.25	22.49	22.18	23.00
1.4	16QAM	6	0	21.49	21.51	21.08	22.00
1.4	64QAM	1	0	21.35	21.32	21.07	22.00
1.4	64QAM	1	3	21.47	21.40	21.06	22.00
1.4	64QAM	1	5	21.47	21.40	21.21	22.00
1.4	64QAM	3	0	21.30	21.50	21.10	22.00
1.4	64QAM	3	1	21.50	21.44	21.06	22.00
1.4	64QAM	3	3	21.38	21.43	21.05	22.00
1.4	64QAM	6	0	20.42	20.37	20.02	21.00
1.4	256QAM	1	0	18.46	18.32	18.25	19.00
1.4	256QAM	1	3	18.40	18.39	18.21	19.00
1.4	256QAM	1	5	18.46	18.54	18.00	19.00
1.4	256QAM	3	0	18.36	18.46	18.18	19.00
1.4	256QAM	3	1	18.35	18.38	18.04	19.00
1.4	256QAM	3	3	18.27	18.40	18.14	19.00
1.4	256QAM	6	0	18.34	18.34	18.21	19.00



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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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.46	20.48	20.46	21.70
20	QPSK	1	49	20.29	20.32	20.38	21.70
20	QPSK	1	99	20.37	20.36	20.38	21.70
20	QPSK	50	0	20.36	20.43	20.40	21.70
20	QPSK	50	24	20.33	20.31	20.34	21.70
20	QPSK	50	50	20.31	20.38	20.30	21.70
20	QPSK	100	0	20.34	20.39	20.38	21.70
20	16QAM	1	0	20.29	20.34	20.36	21.70
20	16QAM	1	49	20.38	20.34	20.34	21.70
20	16QAM	1	99	20.30	20.33	20.41	21.70
20	16QAM	50	0	20.20	20.32	20.11	21.50
20	16QAM	50	24	20.06	20.28	20.04	21.50
20	16QAM	50	50	20.07	20.31	20.06	21.50
20	16QAM	100	0	20.09	20.35	20.14	21.50
20	64QAM	1	0	20.30	20.51	20.20	21.50
20	64QAM	1	49	20.25	20.47	20.28	21.50
20	64QAM	1	99	20.22	20.42	20.16	21.50
20	64QAM	50	0	19.15	19.35	19.11	20.50
20	64QAM	50	24	19.10	19.31	19.08	20.50
20	64QAM	50	50	19.14	19.34	19.04	20.50
20	64QAM	100	0	19.11	19.32	19.06	20.50
20	256QAM	1	0	17.25	17.46	17.17	18.50
20	256QAM	1	49	17.23	17.44	17.22	18.50
20	256QAM	1	99	17.15	17.32	17.05	18.50
20	256QAM	50	0	17.22	17.33	17.16	18.50
20	256QAM	50	24	17.17	17.31	17.06	18.50
20	256QAM	50	50	17.14	17.33	17.16	18.50
20	256QAM	100	0	17.12	17.31	17.04	18.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.42	20.40	20.31	21.70
15	QPSK	1	37	20.24	20.26	20.24	21.70
15	QPSK	1	74	20.34	20.30	20.33	21.70
15	QPSK	36	0	20.24	20.36	20.35	21.70
15	QPSK	36	20	20.31	20.28	20.29	21.70
15	QPSK	36	39	20.21	20.36	20.21	21.70
15	QPSK	75	0	20.21	20.35	20.31	21.70
15	16QAM	1	0	20.28	20.32	20.29	21.70
15	16QAM	1	37	20.26	20.23	20.20	21.70
15	16QAM	1	74	20.15	20.25	20.34	21.70
15	16QAM	36	0	20.07	20.25	19.96	21.50
15	16QAM	36	20	20.05	20.21	19.94	21.50
15	16QAM	36	39	19.97	20.28	19.99	21.50
15	16QAM	75	0	20.01	20.24	20.09	21.50
15	64QAM	1	0	20.27	20.48	20.18	21.50
15	64QAM	1	37	20.22	20.33	20.26	21.50
15	64QAM	1	74	20.13	20.37	20.02	21.50
15	64QAM	36	0	19.11	19.32	18.98	20.50
15	64QAM	36	20	18.99	19.28	18.97	20.50
15	64QAM	36	39	19.11	19.23	19.01	20.50
15	64QAM	75	0	19.09	19.21	19.01	20.50
15	256QAM	1	0	17.17	17.45	17.03	18.50
15	256QAM	1	37	17.08	17.36	17.07	18.50
15	256QAM	1	74	17.07	17.17	16.94	18.50
15	256QAM	36	0	17.08	17.24	17.04	18.50
15	256QAM	36	20	17.06	17.19	16.96	18.50
15	256QAM	36	39	17.06	17.28	17.08	18.50
15	256QAM	75	0	17.09	17.22	16.93	18.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.33	20.38	20.35	21.70
10	QPSK	1	25	20.22	20.23	20.34	21.70
10	QPSK	1	49	20.26	20.30	20.35	21.70
10	QPSK	25	0	20.24	20.30	20.34	21.70
10	QPSK	25	12	20.31	20.21	20.30	21.70
10	QPSK	25	25	20.21	20.31	20.28	21.70
10	QPSK	50	0	20.20	20.36	20.37	21.70
10	16QAM	1	0	20.21	20.30	20.27	21.70
10	16QAM	1	25	20.28	20.32	20.32	21.70



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10	16QAM	1	49	20.19	20.18	20.30	21.70
10	16QAM	25	0	20.19	20.17	20.05	21.50
10	16QAM	25	12	20.03	20.20	20.01	21.50
10	16QAM	25	25	19.92	20.20	19.92	21.50
10	16QAM	50	0	20.06	20.21	20.05	21.50
10	64QAM	1	0	20.26	20.43	20.19	21.50
10	64QAM	1	25	20.13	20.37	20.20	21.50
10	64QAM	1	49	20.19	20.33	20.10	21.50
10	64QAM	25	0	19.02	19.28	19.07	20.50
10	64QAM	25	12	19.08	19.28	18.96	20.50
10	64QAM	25	25	19.01	19.31	18.89	20.50
10	64QAM	50	0	19.08	19.27	18.94	20.50
10	256QAM	1	0	17.17	17.43	17.05	18.50
10	256QAM	1	25	17.17	17.29	17.09	18.50
10	256QAM	1	49	17.11	17.23	16.96	18.50
10	256QAM	25	0	17.13	17.30	17.03	18.50
10	256QAM	25	12	17.12	17.21	17.03	18.50
10	256QAM	25	25	17.05	17.31	17.06	18.50
10	256QAM	50	0	17.06	17.20	16.91	18.50
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.39	20.40	20.41	21.70
5	QPSK	1	12	20.26	20.25	20.26	21.70
5	QPSK	1	24	20.22	20.32	20.29	21.70
5	QPSK	12	0	20.22	20.35	20.34	21.70
5	QPSK	12	7	20.23	20.21	20.24	21.70
5	QPSK	12	13	20.27	20.33	20.24	21.70
5	QPSK	25	0	20.26	20.37	20.36	21.70
5	16QAM	1	0	20.15	20.28	20.27	21.70
5	16QAM	1	12	20.32	20.29	20.27	21.70
5	16QAM	1	24	20.25	20.26	20.31	21.70
5	16QAM	12	0	20.08	20.19	19.98	21.50
5	16QAM	12	7	19.92	20.19	19.94	21.50
5	16QAM	12	13	19.95	20.17	19.96	21.50
5	16QAM	25	0	20.00	20.30	20.05	21.50
5	64QAM	1	0	20.22	20.38	20.16	21.50
5	64QAM	1	12	20.19	20.46	20.23	21.50
5	64QAM	1	24	20.09	20.37	20.12	21.50
5	64QAM	12	0	19.11	19.31	19.01	20.50
5	64QAM	12	7	19.04	19.17	18.99	20.50
5	64QAM	12	13	19.11	19.22	18.99	20.50
5	64QAM	25	0	19.04	19.25	19.02	20.50
5	256QAM	1	0	17.11	17.42	17.05	18.50
5	256QAM	1	12	17.12	17.39	17.18	18.50
5	256QAM	1	24	17.09	17.19	16.97	18.50
5	256QAM	12	0	17.13	17.25	17.05	18.50
5	256QAM	12	7	17.11	17.26	16.99	18.50
5	256QAM	12	13	17.05	17.24	17.05	18.50
5	256QAM	25	0	16.99	17.23	16.91	18.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.41	20.36	20.38	21.70
3	QPSK	1	8	20.19	20.23	20.27	21.70
3	QPSK	1	14	20.29	20.33	20.34	21.70
3	QPSK	8	0	20.22	20.28	20.37	21.70
3	QPSK	8	4	20.25	20.22	20.26	21.70
3	QPSK	8	7	20.22	20.24	20.28	21.70
3	QPSK	15	0	20.32	20.26	20.28	21.70
3	16QAM	1	0	20.21	20.25	20.31	21.70
3	16QAM	1	8	20.33	20.24	20.33	21.70
3	16QAM	1	14	20.28	20.20	20.31	21.70
3	16QAM	8	0	20.17	20.18	20.00	21.50
3	16QAM	8	4	20.00	20.25	19.95	21.50
3	16QAM	8	7	20.03	20.27	20.04	21.50
3	16QAM	15	0	20.03	20.29	20.03	21.50
3	64QAM	1	0	20.15	20.49	20.15	21.50
3	64QAM	1	8	20.17	20.43	20.26	21.50
3	64QAM	1	14	20.21	20.39	20.06	21.50
3	64QAM	8	0	19.08	19.24	18.97	20.50
3	64QAM	8	4	19.04	19.25	19.06	20.50
3	64QAM	8	7	19.07	19.27	18.91	20.50
3	64QAM	15	0	18.98	19.23	18.99	20.50
3	256QAM	1	0	17.19	17.45	17.10	18.50
3	256QAM	1	8	17.13	17.30	17.10	18.50
3	256QAM	1	14	17.08	17.27	16.91	18.50
3	256QAM	8	0	17.10	17.22	17.12	18.50
3	256QAM	8	4	17.02	17.26	17.03	18.50
3	256QAM	8	7	17.02	17.26	17.05	18.50



3	256QAM	15	0	17.03	17.24	16.90	18.50
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.42	20.39	20.40	21.70
1.4	QPSK	1	3	20.20	20.20	20.31	21.70
1.4	QPSK	1	5	20.30	20.23	20.33	21.70
1.4	QPSK	3	0	20.27	20.39	20.29	21.70
1.4	QPSK	3	1	20.20	20.25	20.21	21.70
1.4	QPSK	3	3	20.28	20.33	20.27	21.70
1.4	QPSK	6	0	20.25	20.25	20.36	21.70
1.4	16QAM	1	0	20.20	20.23	20.27	21.70
1.4	16QAM	1	3	20.31	20.25	20.29	21.70
1.4	16QAM	1	5	20.18	20.24	20.29	21.70
1.4	16QAM	3	0	20.34	20.45	20.24	21.70
1.4	16QAM	3	1	20.14	20.35	20.22	21.70
1.4	16QAM	3	3	20.19	20.40	20.13	21.70
1.4	16QAM	6	0	20.01	20.28	20.05	21.50
1.4	64QAM	1	0	20.28	20.39	20.08	21.50
1.4	64QAM	1	3	20.24	20.35	20.24	21.50
1.4	64QAM	1	5	20.18	20.30	20.14	21.50
1.4	64QAM	3	0	19.08	19.30	18.99	20.50
1.4	64QAM	3	1	19.05	19.24	19.06	20.50
1.4	64QAM	3	3	19.08	19.27	18.92	20.50
1.4	64QAM	6	0	19.02	19.18	19.00	20.50
1.4	256QAM	1	0	17.14	17.41	17.11	18.50
1.4	256QAM	1	3	17.19	17.32	17.17	18.50
1.4	256QAM	1	5	17.04	17.28	17.01	18.50
1.4	256QAM	3	0	17.08	17.31	17.05	18.50
1.4	256QAM	3	1	17.08	17.27	16.96	18.50
1.4	256QAM	3	3	17.00	17.26	17.04	18.50
1.4	256QAM	6	0	17.00	17.27	17.01	18.50

【LTE Band 2_Ant 0_ECI 6-1】

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	20.43	20.61	20.38	21.70
20	QPSK	1	49	20.33	20.47	20.25	21.70
20	QPSK	1	99	20.34	20.44	20.26	21.70
20	QPSK	50	0	20.42	20.53	20.36	21.70
20	QPSK	50	24	20.38	20.47	20.21	21.70
20	QPSK	50	50	20.32	20.50	20.16	21.70
20	QPSK	100	0	20.30	20.46	20.28	21.70
20	16QAM	1	0	20.35	20.52	20.23	21.70
20	16QAM	1	49	20.30	20.48	20.14	21.70
20	16QAM	1	99	20.40	20.44	20.06	21.70
20	16QAM	50	0	20.37	20.50	20.13	21.70
20	16QAM	50	24	20.39	20.54	20.21	21.70
20	16QAM	50	50	20.36	20.52	20.27	21.70
20	16QAM	100	0	20.35	20.50	20.18	21.70
20	64QAM	1	0	20.38	20.47	20.17	21.70
20	64QAM	1	49	20.32	20.44	20.17	21.70
20	64QAM	1	99	20.35	20.52	20.27	21.70
20	64QAM	50	0	20.31	20.44	20.07	21.70
20	64QAM	50	24	20.31	20.54	20.28	21.70
20	64QAM	50	50	20.36	20.50	20.13	21.70
20	64QAM	100	0	20.29	20.49	20.18	21.70
20	256QAM	1	0	18.42	18.65	18.40	18.70
20	256QAM	1	49	18.45	18.65	18.30	18.70
20	256QAM	1	99	18.48	18.56	18.31	18.70
20	256QAM	50	0	18.46	18.64	18.28	18.70
20	256QAM	50	24	18.40	18.61	18.39	18.70
20	256QAM	50	50	18.50	18.59	18.33	18.70
20	256QAM	100	0	18.43	18.59	18.24	18.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.28	20.46	20.36	21.70
15	QPSK	1	37	20.22	20.40	20.24	21.70
15	QPSK	1	74	20.19	20.38	20.21	21.70
15	QPSK	36	0	20.32	20.46	20.23	21.70
15	QPSK	36	20	20.32	20.45	20.08	21.70



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15	QPSK	36	39	20.24	20.43	20.12	21.70
15	QPSK	75	0	20.26	20.40	20.23	21.70
15	16QAM	1	0	20.24	20.43	20.17	21.70
15	16QAM	1	37	20.15	20.39	20.01	21.70
15	16QAM	1	74	20.34	20.39	19.96	21.70
15	16QAM	36	0	20.35	20.38	20.00	21.70
15	16QAM	36	20	20.32	20.50	20.18	21.70
15	16QAM	36	39	20.26	20.44	20.13	21.70
15	16QAM	75	0	20.34	20.42	20.10	21.70
15	64QAM	1	0	20.32	20.35	20.15	21.70
15	64QAM	1	37	20.21	20.41	20.10	21.70
15	64QAM	1	74	20.29	20.38	20.23	21.70
15	64QAM	36	0	20.19	20.43	19.96	21.70
15	64QAM	36	20	20.17	20.46	20.18	21.70
15	64QAM	36	39	20.27	20.36	20.04	21.70
15	64QAM	75	0	20.19	20.40	20.09	21.70
15	256QAM	1	0	18.34	18.51	18.36	18.70
15	256QAM	1	37	18.44	18.61	18.20	18.70
15	256QAM	1	74	18.44	18.45	18.18	18.70
15	256QAM	36	0	18.38	18.63	18.25	18.70
15	256QAM	36	20	18.39	18.49	18.30	18.70
15	256QAM	36	39	18.42	18.52	18.23	18.70
15	256QAM	75	0	18.38	18.51	18.10	18.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.41	20.49	20.27	21.70
10	QPSK	1	25	20.25	20.39	20.17	21.70
10	QPSK	1	49	20.30	20.43	20.17	21.70
10	QPSK	25	0	20.32	20.43	20.22	21.70
10	QPSK	25	12	20.31	20.32	20.11	21.70
10	QPSK	25	25	20.25	20.42	20.03	21.70
10	QPSK	50	0	20.19	20.44	20.26	21.70
10	16QAM	1	0	20.30	20.45	20.20	21.70
10	16QAM	1	25	20.20	20.44	20.02	21.70
10	16QAM	1	49	20.39	20.31	20.00	21.70
10	16QAM	25	0	20.28	20.41	20.11	21.70
10	16QAM	25	12	20.34	20.42	20.13	21.70
10	16QAM	25	25	20.26	20.44	20.25	21.70
10	16QAM	50	0	20.22	20.43	20.15	21.70
10	64QAM	1	0	20.27	20.43	20.05	21.70
10	64QAM	1	25	20.29	20.36	20.03	21.70
10	64QAM	1	49	20.25	20.50	20.19	21.70
10	64QAM	25	0	20.16	20.34	19.98	21.70
10	64QAM	25	12	20.24	20.48	20.21	21.70
10	64QAM	25	25	20.26	20.41	20.09	21.70
10	64QAM	50	0	20.17	20.36	20.10	21.70
10	256QAM	1	0	18.35	18.63	18.27	18.70
10	256QAM	1	25	18.35	18.63	18.25	18.70
10	256QAM	1	49	18.40	18.50	18.30	18.70
10	256QAM	25	0	18.33	18.56	18.22	18.70
10	256QAM	25	12	18.33	18.57	18.32	18.70
10	256QAM	25	25	18.45	18.57	18.20	18.70
10	256QAM	50	0	18.28	18.46	18.18	18.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.36	20.47	20.31	21.70
5	QPSK	1	12	20.30	20.44	20.18	21.70
5	QPSK	1	24	20.25	20.29	20.19	21.70
5	QPSK	12	0	20.35	20.46	20.23	21.70
5	QPSK	12	7	20.33	20.45	20.17	21.70
5	QPSK	12	13	20.30	20.45	20.01	21.70
5	QPSK	25	0	20.20	20.34	20.19	21.70
5	16QAM	1	0	20.31	20.40	20.11	21.70
5	16QAM	1	12	20.26	20.40	20.03	21.70
5	16QAM	1	24	20.29	20.31	20.04	21.70
5	16QAM	12	0	20.33	20.39	20.10	21.70
5	16QAM	12	7	20.26	20.49	20.11	21.70
5	16QAM	12	13	20.29	20.46	20.14	21.70
5	16QAM	25	0	20.21	20.39	20.16	21.70
5	64QAM	1	0	20.24	20.41	20.03	21.70
5	64QAM	1	12	20.27	20.37	20.05	21.70
5	64QAM	1	24	20.29	20.49	20.13	21.70
5	64QAM	12	0	20.22	20.33	20.04	21.70
5	64QAM	12	7	20.26	20.52	20.26	21.70
5	64QAM	12	13	20.29	20.49	20.09	21.70
5	64QAM	25	0	20.21	20.34	20.14	21.70
5	256QAM	1	0	18.34	18.57	18.29	18.70
5	256QAM	1	12	18.31	18.52	18.19	18.70



5	256QAM	1	24	18.37	18.48	18.24	18.70
5	256QAM	12	0	18.32	18.50	18.25	18.70
5	256QAM	12	7	18.39	18.55	18.32	18.70
5	256QAM	12	13	18.44	18.56	18.31	18.70
5	256QAM	25	0	18.37	18.46	18.14	18.70
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.40	20.47	20.30	21.70
3	QPSK	1	8	20.22	20.36	20.20	21.70
3	QPSK	1	14	20.30	20.38	20.25	21.70
3	QPSK	8	0	20.39	20.47	20.24	21.70
3	QPSK	8	4	20.26	20.38	20.12	21.70
3	QPSK	8	7	20.25	20.39	20.03	21.70
3	QPSK	15	0	20.20	20.34	20.24	21.70
3	16QAM	1	0	20.29	20.47	20.12	21.70
3	16QAM	1	8	20.21	20.34	20.00	21.70
3	16QAM	1	14	20.35	20.32	19.97	21.70
3	16QAM	8	0	20.27	20.42	20.02	21.70
3	16QAM	8	4	20.30	20.51	20.18	21.70
3	16QAM	8	7	20.31	20.41	20.24	21.70
3	16QAM	15	0	20.23	20.38	20.04	21.70
3	64QAM	1	0	20.32	20.39	20.05	21.70
3	64QAM	1	8	20.18	20.37	20.06	21.70
3	64QAM	1	14	20.23	20.45	20.16	21.70
3	64QAM	8	0	20.29	20.30	20.01	21.70
3	64QAM	8	4	20.27	20.40	20.22	21.70
3	64QAM	8	7	20.33	20.46	20.10	21.70
3	64QAM	15	0	20.20	20.34	20.09	21.70
3	256QAM	1	0	18.38	18.60	18.35	18.70
3	256QAM	1	8	18.41	18.57	18.28	18.70
3	256QAM	1	14	18.44	18.44	18.25	18.70
3	256QAM	8	0	18.34	18.56	18.17	18.70
3	256QAM	8	4	18.35	18.51	18.32	18.70
3	256QAM	8	7	18.37	18.46	18.21	18.70
3	256QAM	15	0	18.29	18.57	18.12	18.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.35	20.51	20.30	21.70
1.4	QPSK	1	3	20.21	20.42	20.20	21.70
1.4	QPSK	1	5	20.20	20.43	20.24	21.70
1.4	QPSK	3	0	20.39	20.48	20.31	21.70
1.4	QPSK	3	1	20.37	20.41	20.13	21.70
1.4	QPSK	3	3	20.18	20.36	20.04	21.70
1.4	QPSK	6	0	20.25	20.36	20.26	21.70
1.4	16QAM	1	0	20.23	20.45	20.14	21.70
1.4	16QAM	1	3	20.25	20.40	20.06	21.70
1.4	16QAM	1	5	20.29	20.33	19.94	21.70
1.4	16QAM	3	0	20.24	20.42	20.06	21.70
1.4	16QAM	3	1	20.27	20.48	20.12	21.70
1.4	16QAM	3	3	20.21	20.39	20.23	21.70
1.4	16QAM	6	0	20.24	20.36	20.09	21.70
1.4	64QAM	1	0	20.33	20.33	20.14	21.70
1.4	64QAM	1	3	20.17	20.36	20.14	21.70
1.4	64QAM	1	5	20.26	20.48	20.17	21.70
1.4	64QAM	3	0	20.26	20.29	19.97	21.70
1.4	64QAM	3	1	20.24	20.50	20.15	21.70
1.4	64QAM	3	3	20.27	20.36	20.12	21.70
1.4	64QAM	6	0	20.23	20.41	20.12	21.70
1.4	256QAM	1	0	18.35	18.61	18.28	18.70
1.4	256QAM	1	3	18.35	18.51	18.27	18.70
1.4	256QAM	1	5	18.44	18.46	18.23	18.70
1.4	256QAM	3	0	18.35	18.56	18.17	18.70
1.4	256QAM	3	1	18.37	18.51	18.26	18.70
1.4	256QAM	3	3	18.37	18.52	18.24	18.70
1.4	256QAM	6	0	18.38	18.56	18.10	18.70



【LTE Band 2_Ant 0_ECI 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	15.35	15.38	15.33	17.00
20	QPSK	1	49	15.24	15.27	15.22	17.00
20	QPSK	1	99	15.20	15.28	15.30	17.00
20	QPSK	50	0	15.31	15.33	15.28	17.00
20	QPSK	50	24	15.30	15.29	15.31	17.00
20	QPSK	50	50	15.28	15.29	15.27	17.00
20	QPSK	100	0	15.29	15.30	15.20	17.00
20	16QAM	1	0	15.26	15.29	15.25	17.00
20	16QAM	1	49	15.26	15.25	15.23	17.00
20	16QAM	1	99	15.25	15.27	15.28	17.00
20	16QAM	50	0	15.21	15.29	15.31	17.00
20	16QAM	50	24	15.26	15.21	15.30	17.00
20	16QAM	50	50	15.29	15.22	15.28	17.00
20	16QAM	100	0	15.23	15.28	15.25	17.00
20	64QAM	1	0	15.26	15.23	15.30	17.00
20	64QAM	1	49	15.29	15.28	15.32	17.00
20	64QAM	1	99	15.31	15.27	15.28	17.00
20	64QAM	50	0	15.24	15.22	15.22	17.00
20	64QAM	50	24	15.25	15.22	15.30	17.00
20	64QAM	50	50	15.24	15.31	15.23	17.00
20	64QAM	100	0	15.21	15.29	15.21	17.00
20	256QAM	1	0	15.29	15.25	15.23	17.00
20	256QAM	1	49	15.25	15.31	15.24	17.00
20	256QAM	1	99	15.26	15.23	15.23	17.00
20	256QAM	50	0	15.26	15.24	15.29	17.00
20	256QAM	50	24	15.20	15.31	15.23	17.00
20	256QAM	50	50	15.26	15.30	15.31	17.00
20	256QAM	100	0	15.31	15.31	15.23	17.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.30	15.32	15.28	17.00
15	QPSK	1	37	15.20	15.20	15.07	17.00
15	QPSK	1	74	15.10	15.15	15.23	17.00
15	QPSK	36	0	15.27	15.21	15.21	17.00
15	QPSK	36	20	15.15	15.21	15.19	17.00
15	QPSK	36	39	15.15	15.20	15.19	17.00
15	QPSK	75	0	15.16	15.15	15.14	17.00
15	16QAM	1	0	15.19	15.24	15.12	17.00
15	16QAM	1	37	15.15	15.17	15.09	17.00
15	16QAM	1	74	15.22	15.20	15.19	17.00
15	16QAM	36	0	15.16	15.17	15.18	17.00
15	16QAM	36	20	15.25	15.18	15.17	17.00
15	16QAM	36	39	15.22	15.09	15.24	17.00
15	16QAM	75	0	15.12	15.15	15.17	17.00
15	64QAM	1	0	15.24	15.21	15.17	17.00
15	64QAM	1	37	15.19	15.25	15.18	17.00
15	64QAM	1	74	15.23	15.21	15.23	17.00
15	64QAM	36	0	15.20	15.21	15.16	17.00
15	64QAM	36	20	15.16	15.16	15.19	17.00
15	64QAM	36	39	15.19	15.25	15.16	17.00
15	64QAM	75	0	15.17	15.23	15.15	17.00
15	256QAM	1	0	15.21	15.15	15.18	17.00
15	256QAM	1	37	15.21	15.20	15.21	17.00
15	256QAM	1	74	15.12	15.20	15.12	17.00
15	256QAM	36	0	15.21	15.22	15.24	17.00
15	256QAM	36	20	15.09	15.17	15.09	17.00
15	256QAM	36	39	15.23	15.20	15.25	17.00
15	256QAM	75	0	15.21	15.27	15.08	17.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.31	15.37	15.25	17.00
10	QPSK	1	25	15.15	15.16	15.21	17.00
10	QPSK	1	49	15.16	15.22	15.25	17.00
10	QPSK	25	0	15.20	15.19	15.22	17.00
10	QPSK	25	12	15.27	15.23	15.21	17.00
10	QPSK	25	25	15.23	15.25	15.18	17.00
10	QPSK	50	0	15.27	15.21	15.15	17.00
10	16QAM	1	0	15.22	15.16	15.14	17.00
10	16QAM	1	25	15.18	15.21	15.21	17.00



10	16QAM	1	49	15.11	15.14	15.25	17.00
10	16QAM	25	0	15.14	15.28	15.22	17.00
10	16QAM	25	12	15.22	15.19	15.25	17.00
10	16QAM	25	25	15.15	15.20	15.14	17.00
10	16QAM	50	0	15.09	15.23	15.21	17.00
10	64QAM	1	0	15.11	15.19	15.16	17.00
10	64QAM	1	25	15.15	15.18	15.21	17.00
10	64QAM	1	49	15.28	15.14	15.23	17.00
10	64QAM	25	0	15.15	15.16	15.08	17.00
10	64QAM	25	12	15.18	15.15	15.19	17.00
10	64QAM	25	25	15.15	15.25	15.09	17.00
10	64QAM	50	0	15.17	15.27	15.14	17.00
10	256QAM	1	0	15.17	15.22	15.09	17.00
10	256QAM	1	25	15.13	15.26	15.16	17.00
10	256QAM	1	49	15.21	15.12	15.16	17.00
10	256QAM	25	0	15.22	15.19	15.17	17.00
10	256QAM	25	12	15.10	15.16	15.11	17.00
10	256QAM	25	25	15.19	15.27	15.18	17.00
10	256QAM	50	0	15.29	15.27	15.14	17.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.33	15.30	15.22	17.00
5	QPSK	1	12	15.15	15.24	15.12	17.00
5	QPSK	1	24	15.13	15.25	15.26	17.00
5	QPSK	12	0	15.21	15.30	15.21	17.00
5	QPSK	12	7	15.20	15.24	15.16	17.00
5	QPSK	12	13	15.19	15.19	15.21	17.00
5	QPSK	25	0	15.21	15.25	15.11	17.00
5	16QAM	1	0	15.15	15.28	15.13	17.00
5	16QAM	1	12	15.15	15.14	15.20	17.00
5	16QAM	1	24	15.19	15.19	15.23	17.00
5	16QAM	12	0	15.11	15.17	15.19	17.00
5	16QAM	12	7	15.13	15.20	15.21	17.00
5	16QAM	12	13	15.15	15.10	15.18	17.00
5	16QAM	25	0	15.13	15.23	15.22	17.00
5	64QAM	1	0	15.16	15.17	15.16	17.00
5	64QAM	1	12	15.23	15.23	15.18	17.00
5	64QAM	1	24	15.18	15.14	15.24	17.00
5	64QAM	12	0	15.12	15.10	15.19	17.00
5	64QAM	12	7	15.14	15.14	15.15	17.00
5	64QAM	12	13	15.20	15.16	15.15	17.00
5	64QAM	25	0	15.06	15.27	15.07	17.00
5	256QAM	1	0	15.17	15.20	15.16	17.00
5	256QAM	1	12	15.13	15.19	15.11	17.00
5	256QAM	1	24	15.21	15.18	15.19	17.00
5	256QAM	12	0	15.21	15.17	15.20	17.00
5	256QAM	12	7	15.17	15.18	15.21	17.00
5	256QAM	12	13	15.24	15.18	15.28	17.00
5	256QAM	25	0	15.20	15.19	15.18	17.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.23	15.24	15.31	17.00
3	QPSK	1	8	15.18	15.22	15.11	17.00
3	QPSK	1	14	15.10	15.26	15.27	17.00
3	QPSK	8	0	15.20	15.32	15.18	17.00
3	QPSK	8	4	15.21	15.26	15.19	17.00
3	QPSK	8	7	15.23	15.21	15.21	17.00
3	QPSK	15	0	15.26	15.19	15.07	17.00
3	16QAM	1	0	15.11	15.24	15.13	17.00
3	16QAM	1	8	15.21	15.22	15.20	17.00
3	16QAM	1	14	15.24	15.25	15.23	17.00
3	16QAM	8	0	15.18	15.14	15.25	17.00
3	16QAM	8	4	15.22	15.17	15.21	17.00
3	16QAM	8	7	15.15	15.10	15.18	17.00
3	16QAM	15	0	15.09	15.15	15.11	17.00
3	64QAM	1	0	15.20	15.21	15.15	17.00
3	64QAM	1	8	15.22	15.24	15.27	17.00
3	64QAM	1	14	15.20	15.18	15.24	17.00
3	64QAM	8	0	15.16	15.17	15.12	17.00
3	64QAM	8	4	15.15	15.14	15.24	17.00
3	64QAM	8	7	15.13	15.27	15.20	17.00
3	64QAM	15	0	15.11	15.23	15.17	17.00
3	256QAM	1	0	15.22	15.10	15.16	17.00
3	256QAM	1	8	15.11	15.17	15.09	17.00
3	256QAM	1	14	15.24	15.17	15.14	17.00
3	256QAM	8	0	15.15	15.13	15.19	17.00
3	256QAM	8	4	15.12	15.21	15.21	17.00
3	256QAM	8	7	15.23	15.27	15.18	17.00



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3	256QAM	15	0	15.29	15.29	15.09	17.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.24	15.27	15.23	17.00
1.4	QPSK	1	3	15.16	15.25	15.18	17.00
1.4	QPSK	1	5	15.15	15.21	15.25	17.00
1.4	QPSK	3	0	15.17	15.24	15.24	17.00
1.4	QPSK	3	1	15.25	15.18	15.30	17.00
1.4	QPSK	3	3	15.19	15.16	15.18	17.00
1.4	QPSK	6	0	15.25	15.16	15.06	17.00
1.4	16QAM	1	0	15.12	15.20	15.17	17.00
1.4	16QAM	1	3	15.16	15.16	15.19	17.00
1.4	16QAM	1	5	15.18	15.14	15.25	17.00
1.4	16QAM	3	0	15.15	15.21	15.30	17.00
1.4	16QAM	3	1	15.24	15.17	15.22	17.00
1.4	16QAM	3	3	15.20	15.09	15.16	17.00
1.4	16QAM	6	0	15.20	15.18	15.24	17.00
1.4	64QAM	1	0	15.22	15.12	15.20	17.00
1.4	64QAM	1	3	15.27	15.23	15.28	17.00
1.4	64QAM	1	5	15.28	15.14	15.24	17.00
1.4	64QAM	3	0	15.21	15.21	15.12	17.00
1.4	64QAM	3	1	15.23	15.20	15.19	17.00
1.4	64QAM	3	3	15.17	15.25	15.08	17.00
1.4	64QAM	6	0	15.07	15.26	15.06	17.00
1.4	256QAM	1	0	15.20	15.17	15.20	17.00
1.4	256QAM	1	3	15.10	15.17	15.09	17.00
1.4	256QAM	1	5	15.24	15.10	15.11	17.00
1.4	256QAM	3	0	15.19	15.18	15.18	17.00
1.4	256QAM	3	1	15.18	15.20	15.11	17.00
1.4	256QAM	3	3	15.12	15.27	15.27	17.00
1.4	256QAM	6	0	15.18	15.28	15.15	17.00

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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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.45	15.60	15.23	17.00
20	QPSK	1	49	15.39	15.54	15.14	17.00
20	QPSK	1	99	15.30	15.52	15.11	17.00
20	QPSK	50	0	15.34	15.58	15.16	17.00
20	QPSK	50	24	15.29	15.54	15.09	17.00
20	QPSK	50	50	15.31	15.47	15.09	17.00
20	QPSK	100	0	15.29	15.47	15.06	17.00
20	16QAM	1	0	15.32	15.50	15.15	17.00
20	16QAM	1	49	15.32	15.49	15.09	17.00
20	16QAM	1	99	15.37	15.45	15.15	17.00
20	16QAM	50	0	15.37	15.49	15.13	17.00
20	16QAM	50	24	15.32	15.51	15.11	17.00
20	16QAM	50	50	15.31	15.45	15.10	17.00
20	16QAM	100	0	15.30	15.55	15.16	17.00
20	64QAM	1	0	15.38	15.53	15.10	17.00
20	64QAM	1	49	15.40	15.45	15.09	17.00
20	64QAM	1	99	15.33	15.50	15.09	17.00
20	64QAM	50	0	15.34	15.51	15.08	17.00
20	64QAM	50	24	15.35	15.54	15.07	17.00
20	64QAM	50	50	15.34	15.50	15.15	17.00
20	64QAM	100	0	15.35	15.46	15.16	17.00
20	256QAM	1	0	15.33	15.46	15.07	17.00
20	256QAM	1	49	15.37	15.48	15.12	17.00
20	256QAM	1	99	15.31	15.48	15.11	17.00
20	256QAM	50	0	15.39	15.47	15.16	17.00
20	256QAM	50	24	15.40	15.51	15.10	17.00
20	256QAM	50	50	15.39	15.44	15.08	17.00
20	256QAM	100	0	15.33	15.50	15.16	17.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.34	15.47	15.14	17.00
15	QPSK	1	37	15.37	15.43	15.13	17.00
15	QPSK	1	74	15.18	15.49	15.01	17.00
15	QPSK	36	0	15.31	15.57	15.04	17.00
15	QPSK	36	20	15.16	15.51	15.03	17.00



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15	QPSK	36	39	15.21	15.40	15.00	17.00
15	QPSK	75	0	15.17	15.43	15.01	17.00
15	16QAM	1	0	15.19	15.40	15.03	17.00
15	16QAM	1	37	15.19	15.38	15.02	17.00
15	16QAM	1	74	15.31	15.32	15.03	17.00
15	16QAM	36	0	15.30	15.37	15.00	17.00
15	16QAM	36	20	15.23	15.46	15.04	17.00
15	16QAM	36	39	15.29	15.31	15.05	17.00
15	16QAM	75	0	15.15	15.49	15.08	17.00
15	64QAM	1	0	15.25	15.51	15.00	17.00
15	64QAM	1	37	15.26	15.35	15.00	17.00
15	64QAM	1	74	15.23	15.43	15.03	17.00
15	64QAM	36	0	15.23	15.48	15.06	17.00
15	64QAM	36	20	15.30	15.49	15.01	17.00
15	64QAM	36	39	15.24	15.48	15.12	17.00
15	64QAM	75	0	15.30	15.41	15.07	17.00
15	256QAM	1	0	15.28	15.39	15.03	17.00
15	256QAM	1	37	15.36	15.36	15.11	17.00
15	256QAM	1	74	15.20	15.38	15.01	17.00
15	256QAM	36	0	15.25	15.42	15.04	17.00
15	256QAM	36	20	15.38	15.39	15.04	17.00
15	256QAM	36	39	15.27	15.37	15.00	17.00
15	256QAM	75	0	15.24	15.39	15.10	17.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	15.35	15.55	15.19	17.00
10	QPSK	1	25	15.27	15.46	15.02	17.00
10	QPSK	1	49	15.27	15.47	15.02	17.00
10	QPSK	25	0	15.22	15.57	15.14	17.00
10	QPSK	25	12	15.25	15.42	15.04	17.00
10	QPSK	25	25	15.18	15.36	15.00	17.00
10	QPSK	50	0	15.21	15.37	15.00	17.00
10	16QAM	1	0	15.29	15.48	15.09	17.00
10	16QAM	1	25	15.21	15.41	15.00	17.00
10	16QAM	1	49	15.33	15.44	15.13	17.00
10	16QAM	25	0	15.29	15.45	15.08	17.00
10	16QAM	25	12	15.21	15.40	15.00	17.00
10	16QAM	25	25	15.25	15.38	15.09	17.00
10	16QAM	50	0	15.21	15.47	15.10	17.00
10	64QAM	1	0	15.26	15.45	15.04	17.00
10	64QAM	1	25	15.36	15.33	15.06	17.00
10	64QAM	1	49	15.19	15.47	15.00	17.00
10	64QAM	25	0	15.27	15.37	15.01	17.00
10	64QAM	25	12	15.25	15.43	15.00	17.00
10	64QAM	25	25	15.31	15.48	15.13	17.00
10	64QAM	50	0	15.23	15.36	15.10	17.00
10	256QAM	1	0	15.20	15.35	15.01	17.00
10	256QAM	1	25	15.23	15.33	15.00	17.00
10	256QAM	1	49	15.27	15.41	15.04	17.00
10	256QAM	25	0	15.26	15.33	15.02	17.00
10	256QAM	25	12	15.32	15.44	15.08	17.00
10	256QAM	25	25	15.33	15.31	15.06	17.00
10	256QAM	50	0	15.28	15.45	15.09	17.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.35	15.51	15.17	17.00
5	QPSK	1	12	15.35	15.48	15.03	17.00
5	QPSK	1	24	15.24	15.47	15.08	17.00
5	QPSK	12	0	15.33	15.57	15.06	17.00
5	QPSK	12	7	15.28	15.40	15.01	17.00
5	QPSK	12	13	15.16	15.36	15.00	17.00
5	QPSK	25	0	15.27	15.39	15.02	17.00
5	16QAM	1	0	15.19	15.46	15.08	17.00
5	16QAM	1	12	15.21	15.39	15.07	17.00
5	16QAM	1	24	15.34	15.37	15.01	17.00
5	16QAM	12	0	15.28	15.36	15.10	17.00
5	16QAM	12	7	15.22	15.42	15.00	17.00
5	16QAM	12	13	15.17	15.38	15.05	17.00
5	16QAM	25	0	15.17	15.40	15.01	17.00
5	64QAM	1	0	15.27	15.42	15.01	17.00
5	64QAM	1	12	15.34	15.42	15.00	17.00
5	64QAM	1	24	15.19	15.35	15.03	17.00
5	64QAM	12	0	15.23	15.45	15.00	17.00
5	64QAM	12	7	15.28	15.49	15.00	17.00
5	64QAM	12	13	15.19	15.40	15.09	17.00
5	64QAM	25	0	15.23	15.42	15.13	17.00
5	256QAM	1	0	15.25	15.34	15.00	17.00
5	256QAM	1	12	15.23	15.43	15.00	17.00



5	256QAM	1	24	15.21	15.38	15.07	17.00
5	256QAM	12	0	15.34	15.42	15.09	17.00
5	256QAM	12	7	15.30	15.47	15.00	17.00
5	256QAM	12	13	15.29	15.34	15.04	17.00
5	256QAM	25	0	15.26	15.39	15.05	17.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.44	15.47	15.10	17.00
3	QPSK	1	8	15.32	15.41	15.01	17.00
3	QPSK	1	14	15.23	15.41	15.02	17.00
3	QPSK	8	0	15.29	15.50	15.06	17.00
3	QPSK	8	4	15.23	15.44	15.00	17.00
3	QPSK	8	7	15.28	15.38	15.02	17.00
3	QPSK	15	0	15.14	15.41	15.00	17.00
3	16QAM	1	0	15.27	15.44	15.09	17.00
3	16QAM	1	8	15.17	15.37	15.01	17.00
3	16QAM	1	14	15.24	15.38	15.04	17.00
3	16QAM	8	0	15.28	15.37	15.06	17.00
3	16QAM	8	4	15.18	15.45	15.07	17.00
3	16QAM	8	7	15.23	15.43	15.09	17.00
3	16QAM	15	0	15.28	15.51	15.15	17.00
3	64QAM	1	0	15.35	15.42	15.00	17.00
3	64QAM	1	8	15.32	15.39	15.06	17.00
3	64QAM	1	14	15.25	15.38	15.01	17.00
3	64QAM	8	0	15.23	15.47	15.00	17.00
3	64QAM	8	4	15.22	15.39	15.00	17.00
3	64QAM	8	7	15.24	15.37	15.13	17.00
3	64QAM	15	0	15.26	15.42	15.14	17.00
3	256QAM	1	0	15.27	15.41	15.02	17.00
3	256QAM	1	8	15.25	15.44	15.06	17.00
3	256QAM	1	14	15.27	15.36	15.10	17.00
3	256QAM	8	0	15.35	15.34	15.09	17.00
3	256QAM	8	4	15.25	15.43	15.06	17.00
3	256QAM	8	7	15.29	15.41	15.02	17.00
3	256QAM	15	0	15.21	15.45	15.08	17.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.39	15.46	15.20	17.00
1.4	QPSK	1	3	15.31	15.52	15.05	17.00
1.4	QPSK	1	5	15.17	15.44	15.05	17.00
1.4	QPSK	3	0	15.19	15.44	15.12	17.00
1.4	QPSK	3	1	15.15	15.52	15.01	17.00
1.4	QPSK	3	3	15.18	15.45	15.05	17.00
1.4	QPSK	6	0	15.23	15.33	15.04	17.00
1.4	16QAM	1	0	15.21	15.48	15.09	17.00
1.4	16QAM	1	3	15.29	15.48	15.00	17.00
1.4	16QAM	1	5	15.25	15.32	15.09	17.00
1.4	16QAM	3	0	15.24	15.42	15.07	17.00
1.4	16QAM	3	1	15.19	15.40	15.05	17.00
1.4	16QAM	3	3	15.17	15.42	15.01	17.00
1.4	16QAM	6	0	15.21	15.49	15.04	17.00
1.4	64QAM	1	0	15.32	15.42	15.01	17.00
1.4	64QAM	1	3	15.38	15.40	15.01	17.00
1.4	64QAM	1	5	15.26	15.40	15.01	17.00
1.4	64QAM	3	0	15.29	15.49	15.03	17.00
1.4	64QAM	3	1	15.29	15.47	15.00	17.00
1.4	64QAM	3	3	15.20	15.43	15.10	17.00
1.4	64QAM	6	0	15.23	15.42	15.08	17.00
1.4	256QAM	1	0	15.28	15.43	15.01	17.00
1.4	256QAM	1	3	15.36	15.44	15.09	17.00
1.4	256QAM	1	5	15.18	15.44	15.05	17.00
1.4	256QAM	3	0	15.36	15.41	15.02	17.00
1.4	256QAM	3	1	15.27	15.37	15.01	17.00
1.4	256QAM	3	3	15.29	15.37	15.00	17.00
1.4	256QAM	6	0	15.28	15.37	15.07	17.00

**【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	20.95	21.18	21.01	22.00
20	QPSK	1	49	20.76	21.11	20.75	22.00
20	QPSK	1	99	20.86	21.17	20.83	22.00
20	QPSK	50	0	19.72	20.09	19.79	21.00
20	QPSK	50	24	19.74	20.06	19.75	21.00
20	QPSK	50	50	19.62	20.04	19.72	21.00
20	QPSK	100	0	19.69	20.05	19.80	21.00
20	16QAM	1	0	19.91	20.29	20.00	21.00
20	16QAM	1	49	19.80	20.22	19.94	21.00
20	16QAM	1	99	19.90	20.25	19.99	21.00
20	16QAM	50	0	18.70	19.03	18.75	20.00
20	16QAM	50	24	18.65	19.05	18.81	20.00
20	16QAM	50	50	18.65	19.04	18.70	20.00
20	16QAM	100	0	18.73	19.03	18.76	20.00
20	64QAM	1	0	18.81	19.09	18.87	20.00
20	64QAM	1	49	18.79	19.15	18.92	20.00
20	64QAM	1	99	18.85	19.17	18.87	20.00
20	64QAM	50	0	17.76	18.03	17.77	19.00
20	64QAM	50	24	17.70	18.04	17.71	19.00
20	64QAM	50	50	17.80	18.06	17.83	19.00
20	64QAM	100	0	17.66	18.03	17.72	19.00
20	256QAM	1	0	15.79	16.14	15.95	17.00
20	256QAM	1	49	15.90	16.15	15.85	17.00
20	256QAM	1	99	15.79	16.11	15.80	17.00
20	256QAM	50	0	15.76	16.02	15.80	17.00
20	256QAM	50	24	15.74	16.03	15.78	17.00
20	256QAM	50	50	15.70	16.04	15.81	17.00
20	256QAM	100	0	15.74	16.03	15.76	17.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.80	21.09	20.94	22.00
15	QPSK	1	37	20.66	21.05	20.73	22.00
15	QPSK	1	74	20.79	21.06	20.75	22.00
15	QPSK	36	0	19.71	19.99	19.71	21.00
15	QPSK	36	20	19.67	20.02	19.63	21.00
15	QPSK	36	39	19.48	19.96	19.70	21.00
15	QPSK	75	0	19.57	19.94	19.78	21.00
15	16QAM	1	0	19.82	20.22	19.97	21.00
15	16QAM	1	37	19.75	20.17	19.85	21.00
15	16QAM	1	74	19.77	20.21	19.93	21.00
15	16QAM	36	0	18.66	18.93	18.71	20.00
15	16QAM	36	20	18.60	18.92	18.78	20.00
15	16QAM	36	39	18.60	18.98	18.64	20.00
15	16QAM	75	0	18.61	18.98	18.69	20.00
15	64QAM	1	0	18.76	19.03	18.80	20.00
15	64QAM	1	37	18.75	19.10	18.84	20.00
15	64QAM	1	74	18.83	19.05	18.82	20.00
15	64QAM	36	0	17.64	18.01	17.69	19.00
15	64QAM	36	20	17.56	17.93	17.59	19.00
15	64QAM	36	39	17.77	17.96	17.80	19.00
15	64QAM	75	0	17.61	18.01	17.70	19.00
15	256QAM	1	0	15.76	16.07	15.88	17.00
15	256QAM	1	37	15.76	16.01	15.79	17.00
15	256QAM	1	74	15.65	15.99	15.76	17.00
15	256QAM	36	0	15.62	15.98	15.68	17.00
15	256QAM	36	20	15.59	15.94	15.68	17.00
15	256QAM	36	39	15.66	15.98	15.79	17.00
15	256QAM	75	0	15.63	15.88	15.71	17.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.87	21.02	20.94	22.00
10	QPSK	1	25	20.64	20.98	20.71	22.00
10	QPSK	1	49	20.80	21.08	20.69	22.00
10	QPSK	25	0	19.59	19.95	19.66	21.00
10	QPSK	25	12	19.69	19.98	19.74	21.00
10	QPSK	25	25	19.55	19.96	19.59	21.00
10	QPSK	50	0	19.62	20.04	19.78	21.00
10	16QAM	1	0	19.90	20.14	19.98	21.00
10	16QAM	1	25	19.69	20.15	19.79	21.00



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10	16QAM	1	49	19.82	20.11	19.96	21.00
10	16QAM	25	0	18.60	19.01	18.68	20.00
10	16QAM	25	12	18.57	18.96	18.66	20.00
10	16QAM	25	25	18.58	18.90	18.69	20.00
10	16QAM	50	0	18.66	19.01	18.71	20.00
10	64QAM	1	0	18.73	18.96	18.72	20.00
10	64QAM	1	25	18.76	19.07	18.89	20.00
10	64QAM	1	49	18.74	19.14	18.83	20.00
10	64QAM	25	0	17.62	17.94	17.63	19.00
10	64QAM	25	12	17.67	18.01	17.61	19.00
10	64QAM	25	25	17.72	18.01	17.81	19.00
10	64QAM	50	0	17.57	18.00	17.60	19.00
10	256QAM	1	0	15.67	16.12	15.91	17.00
10	256QAM	1	25	15.83	16.13	15.71	17.00
10	256QAM	1	49	15.65	15.99	15.74	17.00
10	256QAM	25	0	15.65	15.98	15.68	17.00
10	256QAM	25	12	15.62	16.00	15.76	17.00
10	256QAM	25	25	15.67	15.95	15.77	17.00
10	256QAM	50	0	15.64	15.93	15.71	17.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.92	20.98	20.90	22.00
5	QPSK	1	12	20.62	20.97	20.73	22.00
5	QPSK	1	24	20.77	21.14	20.74	22.00
5	QPSK	12	0	19.69	20.03	19.67	21.00
5	QPSK	12	7	19.72	20.02	19.71	21.00
5	QPSK	12	13	19.51	19.98	19.62	21.00
5	QPSK	25	0	19.60	19.98	19.70	21.00
5	16QAM	1	0	19.79	20.20	19.90	21.00
5	16QAM	1	12	19.70	20.16	19.87	21.00
5	16QAM	1	24	19.87	20.22	19.85	21.00
5	16QAM	12	0	18.59	18.90	18.64	20.00
5	16QAM	12	7	18.50	18.94	18.78	20.00
5	16QAM	12	13	18.52	18.95	18.57	20.00
5	16QAM	25	0	18.63	19.00	18.67	20.00
5	64QAM	1	0	18.76	18.98	18.79	20.00
5	64QAM	1	12	18.70	19.11	18.88	20.00
5	64QAM	1	24	18.83	19.14	18.74	20.00
5	64QAM	12	0	17.70	17.95	17.62	19.00
5	64QAM	12	7	17.65	18.01	17.70	19.00
5	64QAM	12	13	17.68	17.94	17.79	19.00
5	64QAM	25	0	17.55	17.96	17.58	19.00
5	256QAM	1	0	15.67	16.13	15.81	17.00
5	256QAM	1	12	15.78	16.07	15.73	17.00
5	256QAM	1	24	15.70	16.04	15.77	17.00
5	256QAM	12	0	15.64	15.93	15.76	17.00
5	256QAM	12	7	15.62	15.90	15.63	17.00
5	256QAM	12	13	15.61	15.92	15.77	17.00
5	256QAM	25	0	15.64	15.98	15.68	17.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.89	20.89	20.89	22.00
3	QPSK	1	8	20.65	20.98	20.64	22.00
3	QPSK	1	14	20.75	21.09	20.76	22.00
3	QPSK	8	0	19.57	19.95	19.77	21.00
3	QPSK	8	4	19.73	20.01	19.60	21.00
3	QPSK	8	7	19.59	19.99	19.69	21.00
3	QPSK	15	0	19.60	20.00	19.75	21.00
3	16QAM	1	0	19.81	20.27	19.91	21.00
3	16QAM	1	8	19.67	20.10	19.81	21.00
3	16QAM	1	14	19.76	20.23	19.91	21.00
3	16QAM	8	0	18.64	19.00	18.60	20.00
3	16QAM	8	4	18.57	19.04	18.68	20.00
3	16QAM	8	7	18.50	18.96	18.61	20.00
3	16QAM	15	0	18.70	18.97	18.72	20.00
3	64QAM	1	0	18.80	19.04	18.82	20.00
3	64QAM	1	8	18.70	19.08	18.81	20.00
3	64QAM	1	14	18.81	19.15	18.73	20.00
3	64QAM	8	0	17.71	18.00	17.72	19.00
3	64QAM	8	4	17.60	17.91	17.63	19.00
3	64QAM	8	7	17.68	18.02	17.72	19.00
3	64QAM	15	0	17.64	17.94	17.61	19.00
3	256QAM	1	0	15.72	16.10	15.93	17.00
3	256QAM	1	8	15.85	16.03	15.80	17.00
3	256QAM	1	14	15.76	16.01	15.76	17.00
3	256QAM	8	0	15.68	16.00	15.72	17.00
3	256QAM	8	4	15.73	15.97	15.73	17.00
3	256QAM	8	7	15.58	15.94	15.80	17.00



3	256QAM	15	0	15.66	15.89	15.65	17.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.88	20.97	20.94	22.00
1.4	QPSK	1	3	20.62	21.08	20.60	22.00
1.4	QPSK	1	5	20.79	21.08	20.77	22.00
1.4	QPSK	3	0	20.57	21.08	20.77	22.00
1.4	QPSK	3	1	20.67	20.95	20.67	22.00
1.4	QPSK	3	3	20.51	21.01	20.62	22.00
1.4	QPSK	6	0	19.59	19.99	19.73	21.00
1.4	16QAM	1	0	19.87	20.21	19.97	21.00
1.4	16QAM	1	3	19.76	20.18	19.86	21.00
1.4	16QAM	1	5	19.75	20.22	19.85	21.00
1.4	16QAM	3	0	19.67	19.93	19.63	21.00
1.4	16QAM	3	1	19.59	19.98	19.68	21.00
1.4	16QAM	3	3	19.52	19.97	19.60	21.00
1.4	16QAM	6	0	18.67	18.99	18.63	20.00
1.4	64QAM	1	0	18.75	19.04	18.79	20.00
1.4	64QAM	1	3	18.77	19.12	18.89	20.00
1.4	64QAM	1	5	18.79	19.11	18.75	20.00
1.4	64QAM	3	0	18.68	18.99	18.75	20.00
1.4	64QAM	3	1	18.57	18.95	18.69	20.00
1.4	64QAM	3	3	18.69	18.92	18.81	20.00
1.4	64QAM	6	0	17.52	17.95	17.68	19.00
1.4	256QAM	1	0	15.78	16.03	15.89	17.00
1.4	256QAM	1	3	15.75	16.02	15.81	17.00
1.4	256QAM	1	5	15.75	16.04	15.72	17.00
1.4	256QAM	3	0	15.61	15.88	15.74	17.00
1.4	256QAM	3	1	15.71	15.90	15.74	17.00
1.4	256QAM	3	3	15.62	15.91	15.69	17.00
1.4	256QAM	6	0	15.68	16.01	15.73	17.00

【LTE Band 2_Ant 4_ECI 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	16.93	16.97	16.94	18.20
20	QPSK	1	49	16.83	16.87	16.89	18.20
20	QPSK	1	99	16.87	16.93	16.86	18.20
20	QPSK	50	0	16.92	16.95	16.93	18.20
20	QPSK	50	24	16.83	16.90	16.90	18.20
20	QPSK	50	50	16.82	16.84	16.83	18.20
20	QPSK	100	0	16.92	16.94	16.92	18.20
20	16QAM	1	0	16.93	16.88	16.85	18.20
20	16QAM	1	49	16.84	16.94	16.93	18.20
20	16QAM	1	99	16.84	16.93	16.90	18.20
20	16QAM	50	0	16.90	16.82	16.87	18.20
20	16QAM	50	24	16.91	16.88	16.84	18.20
20	16QAM	50	50	16.93	16.92	16.83	18.20
20	16QAM	100	0	16.87	16.88	16.90	18.20
20	64QAM	1	0	16.83	16.93	16.87	18.20
20	64QAM	1	49	16.84	16.85	16.94	18.20
20	64QAM	1	99	16.88	16.90	16.91	18.20
20	64QAM	50	0	16.82	16.84	16.85	18.20
20	64QAM	50	24	16.88	16.87	16.85	18.20
20	64QAM	50	50	16.94	16.91	16.92	18.20
20	64QAM	100	0	16.86	16.89	16.84	18.20
20	256QAM	1	0	15.79	16.14	15.95	17.30
20	256QAM	1	49	15.90	16.15	15.85	17.30
20	256QAM	1	99	15.79	16.11	15.80	17.30
20	256QAM	50	0	15.76	16.02	15.80	17.30
20	256QAM	50	24	15.74	16.03	15.78	17.30
20	256QAM	50	50	15.70	16.04	15.81	17.30
20	256QAM	100	0	15.74	16.03	15.76	17.30
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.80	16.92	16.80	18.20
15	QPSK	1	37	16.74	16.79	16.81	18.20
15	QPSK	1	74	16.81	16.80	16.76	18.20
15	QPSK	36	0	16.89	16.90	16.89	18.20
15	QPSK	36	20	16.82	16.79	16.84	18.20



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15	QPSK	36	39	16.70	16.81	16.80	18.20
15	QPSK	75	0	16.88	16.90	16.85	18.20
15	16QAM	1	0	16.85	16.84	16.70	18.20
15	16QAM	1	37	16.70	16.81	16.88	18.20
15	16QAM	1	74	16.82	16.78	16.83	18.20
15	16QAM	36	0	16.86	16.69	16.79	18.20
15	16QAM	36	20	16.90	16.84	16.80	18.20
15	16QAM	36	39	16.81	16.82	16.74	18.20
15	16QAM	75	0	16.84	16.75	16.86	18.20
15	64QAM	1	0	16.73	16.83	16.76	18.20
15	64QAM	1	37	16.70	16.77	16.79	18.20
15	64QAM	1	74	16.83	16.82	16.85	18.20
15	64QAM	36	0	16.74	16.78	16.74	18.20
15	64QAM	36	20	16.73	16.77	16.75	18.20
15	64QAM	36	39	16.80	16.78	16.79	18.20
15	64QAM	75	0	16.74	16.76	16.80	18.20
15	256QAM	1	0	15.66	16.04	15.92	17.30
15	256QAM	1	37	15.77	16.07	15.72	17.30
15	256QAM	1	74	15.70	16.09	15.67	17.30
15	256QAM	36	0	15.71	15.90	15.73	17.30
15	256QAM	36	20	15.69	15.97	15.77	17.30
15	256QAM	36	39	15.66	15.95	15.72	17.30
15	256QAM	75	0	15.70	15.93	15.72	17.30
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	16.87	16.87	16.91	18.20
10	QPSK	1	25	16.70	16.75	16.83	18.20
10	QPSK	1	49	16.75	16.82	16.85	18.20
10	QPSK	25	0	16.78	16.82	16.81	18.20
10	QPSK	25	12	16.80	16.88	16.87	18.20
10	QPSK	25	25	16.77	16.72	16.74	18.20
10	QPSK	50	0	16.89	16.90	16.91	18.20
10	16QAM	1	0	16.83	16.76	16.81	18.20
10	16QAM	1	25	16.75	16.81	16.88	18.20
10	16QAM	1	49	16.72	16.79	16.83	18.20
10	16QAM	25	0	16.77	16.72	16.82	18.20
10	16QAM	25	12	16.81	16.79	16.70	18.20
10	16QAM	25	25	16.86	16.79	16.80	18.20
10	16QAM	50	0	16.81	16.86	16.77	18.20
10	64QAM	1	0	16.74	16.86	16.73	18.20
10	64QAM	1	25	16.72	16.82	16.81	18.20
10	64QAM	1	49	16.74	16.77	16.87	18.20
10	64QAM	25	0	16.76	16.81	16.74	18.20
10	64QAM	25	12	16.74	16.79	16.71	18.20
10	64QAM	25	25	16.91	16.87	16.87	18.20
10	64QAM	50	0	16.76	16.86	16.81	18.20
10	256QAM	1	0	15.69	15.99	15.85	17.30
10	256QAM	1	25	15.81	16.11	15.79	17.30
10	256QAM	1	49	15.67	15.99	15.67	17.30
10	256QAM	25	0	15.71	16.00	15.71	17.30
10	256QAM	25	12	15.71	15.99	15.69	17.30
10	256QAM	25	25	15.57	15.98	15.74	17.30
10	256QAM	50	0	15.72	16.01	15.66	17.30
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	16.91	16.91	16.89	18.20
5	QPSK	1	12	16.81	16.74	16.83	18.20
5	QPSK	1	24	16.80	16.88	16.77	18.20
5	QPSK	12	0	16.83	16.91	16.88	18.20
5	QPSK	12	7	16.80	16.80	16.83	18.20
5	QPSK	12	13	16.72	16.73	16.71	18.20
5	QPSK	25	0	16.87	16.85	16.77	18.20
5	16QAM	1	0	16.87	16.78	16.71	18.20
5	16QAM	1	12	16.80	16.82	16.82	18.20
5	16QAM	1	24	16.73	16.86	16.87	18.20
5	16QAM	12	0	16.88	16.73	16.83	18.20
5	16QAM	12	7	16.81	16.80	16.82	18.20
5	16QAM	12	13	16.89	16.84	16.72	18.20
5	16QAM	25	0	16.84	16.86	16.82	18.20
5	64QAM	1	0	16.69	16.90	16.82	18.20
5	64QAM	1	12	16.81	16.83	16.80	18.20
5	64QAM	1	24	16.74	16.87	16.80	18.20
5	64QAM	12	0	16.70	16.73	16.73	18.20
5	64QAM	12	7	16.84	16.78	16.77	18.20
5	64QAM	12	13	16.81	16.85	16.81	18.20
5	64QAM	25	0	16.80	16.86	16.73	18.20
5	256QAM	1	0	15.72	16.11	15.90	17.30
5	256QAM	1	12	15.82	16.04	15.74	17.30



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5	256QAM	1	24	15.70	15.99	15.68	17.30
5	256QAM	12	0	15.66	16.01	15.74	17.30
5	256QAM	12	7	15.60	15.94	15.76	17.30
5	256QAM	12	13	15.64	15.98	15.72	17.30
5	256QAM	25	0	15.67	15.95	15.66	17.30
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.89	16.92	16.92	18.20
3	QPSK	1	8	16.74	16.86	16.77	18.20
3	QPSK	1	14	16.73	16.82	16.77	18.20
3	QPSK	8	0	16.90	16.88	16.81	18.20
3	QPSK	8	4	16.72	16.86	16.77	18.20
3	QPSK	8	7	16.74	16.79	16.69	18.20
3	QPSK	15	0	16.82	16.85	16.80	18.20
3	16QAM	1	0	16.92	16.78	16.80	18.20
3	16QAM	1	8	16.74	16.91	16.87	18.20
3	16QAM	1	14	16.81	16.84	16.84	18.20
3	16QAM	8	0	16.79	16.71	16.77	18.20
3	16QAM	8	4	16.84	16.81	16.73	18.20
3	16QAM	8	7	16.87	16.80	16.73	18.20
3	16QAM	15	0	16.83	16.74	16.78	18.20
3	64QAM	1	0	16.77	16.83	16.74	18.20
3	64QAM	1	8	16.72	16.78	16.89	18.20
3	64QAM	1	14	16.77	16.83	16.90	18.20
3	64QAM	8	0	16.71	16.78	16.81	18.20
3	64QAM	8	4	16.82	16.80	16.74	18.20
3	64QAM	8	7	16.89	16.80	16.90	18.20
3	64QAM	15	0	16.82	16.79	16.73	18.20
3	256QAM	1	0	15.69	16.10	15.84	17.30
3	256QAM	1	8	15.83	16.13	15.74	17.30
3	256QAM	1	14	15.75	16.06	15.67	17.30
3	256QAM	8	0	15.68	15.94	15.75	17.30
3	256QAM	8	4	15.62	16.01	15.64	17.30
3	256QAM	8	7	15.61	15.95	15.73	17.30
3	256QAM	15	0	15.63	15.94	15.66	17.30
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.91	16.88	16.80	18.20
1.4	QPSK	1	3	16.77	16.78	16.82	18.20
1.4	QPSK	1	5	16.83	16.88	16.84	18.20
1.4	QPSK	3	0	16.81	16.87	16.82	18.20
1.4	QPSK	3	1	16.69	16.85	16.88	18.20
1.4	QPSK	3	3	16.69	16.79	16.73	18.20
1.4	QPSK	6	0	16.78	16.85	16.83	18.20
1.4	16QAM	1	0	16.86	16.73	16.83	18.20
1.4	16QAM	1	3	16.70	16.82	16.81	18.20
1.4	16QAM	1	5	16.76	16.88	16.89	18.20
1.4	16QAM	3	0	16.87	16.76	16.75	18.20
1.4	16QAM	3	1	16.80	16.73	16.73	18.20
1.4	16QAM	3	3	16.85	16.79	16.72	18.20
1.4	16QAM	6	0	16.77	16.78	16.88	18.20
1.4	64QAM	1	0	16.74	16.92	16.83	18.20
1.4	64QAM	1	3	16.70	16.78	16.90	18.20
1.4	64QAM	1	5	16.75	16.78	16.89	18.20
1.4	64QAM	3	0	16.70	16.77	16.80	18.20
1.4	64QAM	3	1	16.76	16.76	16.84	18.20
1.4	64QAM	3	3	16.80	16.83	16.87	18.20
1.4	64QAM	6	0	16.79	16.74	16.73	18.20
1.4	256QAM	1	0	15.67	16.07	15.84	17.30
1.4	256QAM	1	3	15.79	16.11	15.73	17.30
1.4	256QAM	1	5	15.77	16.05	15.74	17.30
1.4	256QAM	3	0	15.71	15.90	15.73	17.30
1.4	256QAM	3	1	15.61	15.97	15.75	17.30
1.4	256QAM	3	3	15.55	15.97	15.68	17.30
1.4	256QAM	6	0	15.59	15.97	15.75	17.30

**【LTE Band 2_Ant 4_ECI 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	18.47	18.56	18.51	20.10
20	QPSK	1	49	18.38	18.42	18.39	20.10
20	QPSK	1	99	18.41	18.40	18.39	20.10
20	QPSK	50	0	18.42	18.48	18.46	20.10
20	QPSK	50	24	18.28	18.40	18.44	20.10
20	QPSK	50	50	18.30	18.42	18.35	20.10
20	QPSK	100	0	18.37	18.47	18.37	20.10
20	16QAM	1	0	18.32	18.43	18.34	20.10
20	16QAM	1	49	18.24	18.45	18.44	20.10
20	16QAM	1	99	18.25	18.39	18.41	20.10
20	16QAM	50	0	18.24	18.40	18.35	20.10
20	16QAM	50	24	18.30	18.44	18.46	20.10
20	16QAM	50	50	18.23	18.42	18.40	20.10
20	16QAM	100	0	18.24	18.45	18.36	20.10
20	64QAM	1	0	18.22	18.42	18.41	20.10
20	64QAM	1	49	18.16	18.38	18.35	20.10
20	64QAM	1	99	18.21	18.42	18.46	20.10
20	64QAM	50	0	18.29	18.45	18.37	20.10
20	64QAM	50	24	18.24	18.43	18.36	20.10
20	64QAM	50	50	18.26	18.39	18.41	20.10
20	64QAM	100	0	18.19	18.37	18.45	20.10
20	256QAM	1	0	15.79	16.14	15.95	17.00
20	256QAM	1	49	15.90	16.15	15.85	17.00
20	256QAM	1	99	15.79	16.11	15.80	17.00
20	256QAM	50	0	15.76	16.02	15.80	17.00
20	256QAM	50	24	15.74	16.03	15.78	17.00
20	256QAM	50	50	15.70	16.04	15.81	17.00
20	256QAM	100	0	15.74	16.03	15.76	17.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.45	18.45	18.37	20.10
15	QPSK	1	37	18.25	18.33	18.27	20.10
15	QPSK	1	74	18.33	18.26	18.37	20.10
15	QPSK	36	0	18.13	18.47	18.38	20.10
15	QPSK	36	20	18.27	18.25	18.32	20.10
15	QPSK	36	39	18.18	18.31	18.31	20.10
15	QPSK	75	0	18.23	18.33	18.24	20.10
15	16QAM	1	0	18.31	18.36	18.21	20.10
15	16QAM	1	37	18.13	18.34	18.41	20.10
15	16QAM	1	74	18.21	18.31	18.26	20.10
15	16QAM	36	0	18.10	18.38	18.21	20.10
15	16QAM	36	20	18.19	18.39	18.45	20.10
15	16QAM	36	39	18.20	18.35	18.36	20.10
15	16QAM	75	0	18.23	18.37	18.31	20.10
15	64QAM	1	0	18.18	18.31	18.28	20.10
15	64QAM	1	37	18.11	18.33	18.28	20.10
15	64QAM	1	74	18.13	18.32	18.45	20.10
15	64QAM	36	0	18.26	18.31	18.31	20.10
15	64QAM	36	20	18.14	18.32	18.33	20.10
15	64QAM	36	39	18.19	18.37	18.38	20.10
15	64QAM	75	0	18.13	18.29	18.37	20.10
15	256QAM	1	0	15.68	16.00	15.93	17.00
15	256QAM	1	37	15.76	16.12	15.77	17.00
15	256QAM	1	74	15.68	16.03	15.66	17.00
15	256QAM	36	0	15.71	15.92	15.69	17.00
15	256QAM	36	20	15.71	15.98	15.65	17.00
15	256QAM	36	39	15.61	15.94	15.76	17.00
15	256QAM	75	0	15.72	15.88	15.73	17.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	18.43	18.49	18.50	20.10
10	QPSK	1	25	18.25	18.40	18.26	20.10
10	QPSK	1	49	18.29	18.38	18.33	20.10
10	QPSK	25	0	18.23	18.42	18.37	20.10
10	QPSK	25	12	18.18	18.32	18.38	20.10
10	QPSK	25	25	18.24	18.34	18.32	20.10
10	QPSK	50	0	18.31	18.40	18.28	20.10
10	16QAM	1	0	18.20	18.42	18.27	20.10
10	16QAM	1	25	18.22	18.32	18.38	20.10



10	16QAM	1	49	18.14	18.31	18.37	20.10
10	16QAM	25	0	18.18	18.33	18.24	20.10
10	16QAM	25	12	18.20	18.38	18.35	20.10
10	16QAM	25	25	18.12	18.28	18.36	20.10
10	16QAM	50	0	18.19	18.41	18.28	20.10
10	64QAM	1	0	18.11	18.32	18.27	20.10
10	64QAM	1	25	18.11	18.29	18.20	20.10
10	64QAM	1	49	18.10	18.28	18.36	20.10
10	64QAM	25	0	18.15	18.33	18.22	20.10
10	64QAM	25	12	18.10	18.30	18.27	20.10
10	64QAM	25	25	18.14	18.29	18.29	20.10
10	64QAM	50	0	18.10	18.33	18.42	20.10
10	256QAM	1	0	15.77	16.09	15.82	17.00
10	256QAM	1	25	15.87	16.05	15.72	17.00
10	256QAM	1	49	15.69	16.01	15.67	17.00
10	256QAM	25	0	15.73	15.96	15.67	17.00
10	256QAM	25	12	15.68	15.91	15.65	17.00
10	256QAM	25	25	15.56	15.98	15.74	17.00
10	256QAM	50	0	15.62	15.95	15.66	17.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	18.45	18.46	18.43	20.10
5	QPSK	1	12	18.35	18.33	18.35	20.10
5	QPSK	1	24	18.26	18.27	18.36	20.10
5	QPSK	12	0	18.11	18.39	18.42	20.10
5	QPSK	12	7	18.14	18.39	18.42	20.10
5	QPSK	12	13	18.21	18.35	18.27	20.10
5	QPSK	25	0	18.30	18.39	18.27	20.10
5	16QAM	1	0	18.27	18.40	18.21	20.10
5	16QAM	1	12	18.10	18.37	18.34	20.10
5	16QAM	1	24	18.10	18.26	18.37	20.10
5	16QAM	12	0	18.10	18.29	18.28	20.10
5	16QAM	12	7	18.25	18.41	18.42	20.10
5	16QAM	12	13	18.17	18.40	18.35	20.10
5	16QAM	25	0	18.11	18.38	18.31	20.10
5	64QAM	1	0	18.13	18.35	18.37	20.10
5	64QAM	1	12	18.11	18.26	18.33	20.10
5	64QAM	1	24	18.12	18.29	18.38	20.10
5	64QAM	12	0	18.15	18.37	18.22	20.10
5	64QAM	12	7	18.11	18.35	18.34	20.10
5	64QAM	12	13	18.20	18.30	18.30	20.10
5	64QAM	25	0	18.10	18.23	18.31	20.10
5	256QAM	1	0	15.74	16.01	15.91	17.00
5	256QAM	1	12	15.76	16.04	15.84	17.00
5	256QAM	1	24	15.75	16.03	15.71	17.00
5	256QAM	12	0	15.64	15.89	15.78	17.00
5	256QAM	12	7	15.70	15.90	15.67	17.00
5	256QAM	12	13	15.60	16.01	15.71	17.00
5	256QAM	25	0	15.65	15.91	15.69	17.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	18.39	18.48	18.44	20.10
3	QPSK	1	8	18.28	18.40	18.35	20.10
3	QPSK	1	14	18.40	18.35	18.24	20.10
3	QPSK	8	0	18.11	18.42	18.42	20.10
3	QPSK	8	4	18.16	18.27	18.33	20.10
3	QPSK	8	7	18.26	18.32	18.33	20.10
3	QPSK	15	0	18.26	18.38	18.35	20.10
3	16QAM	1	0	18.24	18.37	18.31	20.10
3	16QAM	1	8	18.11	18.36	18.36	20.10
3	16QAM	1	14	18.22	18.30	18.28	20.10
3	16QAM	8	0	18.18	18.28	18.24	20.10
3	16QAM	8	4	18.20	18.36	18.32	20.10
3	16QAM	8	7	18.20	18.39	18.27	20.10
3	16QAM	15	0	18.13	18.44	18.23	20.10
3	64QAM	1	0	18.18	18.33	18.32	20.10
3	64QAM	1	8	18.12	18.29	18.25	20.10
3	64QAM	1	14	18.15	18.32	18.43	20.10
3	64QAM	8	0	18.28	18.44	18.28	20.10
3	64QAM	8	4	18.20	18.37	18.23	20.10
3	64QAM	8	7	18.13	18.33	18.36	20.10
3	64QAM	15	0	18.13	18.25	18.36	20.10
3	256QAM	1	0	15.67	16.11	15.91	17.00
3	256QAM	1	8	15.77	16.14	15.75	17.00
3	256QAM	1	14	15.67	16.02	15.77	17.00
3	256QAM	8	0	15.64	15.95	15.73	17.00
3	256QAM	8	4	15.69	15.89	15.74	17.00
3	256QAM	8	7	15.58	15.95	15.75	17.00



3	256QAM	15	0	15.60	15.89	15.61	17.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.33	18.51	18.43	20.10
1.4	QPSK	1	3	18.25	18.31	18.25	20.10
1.4	QPSK	1	5	18.27	18.38	18.28	20.10
1.4	QPSK	3	0	18.21	18.35	18.35	20.10
1.4	QPSK	3	1	18.17	18.27	18.35	20.10
1.4	QPSK	3	3	18.28	18.37	18.24	20.10
1.4	QPSK	6	0	18.33	18.43	18.26	20.10
1.4	16QAM	1	0	18.31	18.28	18.21	20.10
1.4	16QAM	1	3	18.21	18.32	18.35	20.10
1.4	16QAM	1	5	18.16	18.27	18.31	20.10
1.4	16QAM	3	0	18.10	18.28	18.30	20.10
1.4	16QAM	3	1	18.18	18.29	18.40	20.10
1.4	16QAM	3	3	18.18	18.28	18.28	20.10
1.4	16QAM	6	0	18.19	18.34	18.34	20.10
1.4	64QAM	1	0	18.15	18.31	18.31	20.10
1.4	64QAM	1	3	18.11	18.28	18.32	20.10
1.4	64QAM	1	5	18.14	18.33	18.35	20.10
1.4	64QAM	3	0	18.15	18.40	18.24	20.10
1.4	64QAM	3	1	18.22	18.41	18.30	20.10
1.4	64QAM	3	3	18.18	18.26	18.28	20.10
1.4	64QAM	6	0	18.15	18.33	18.34	20.10
1.4	256QAM	1	0	15.65	16.09	15.88	17.00
1.4	256QAM	1	3	15.87	16.09	15.72	17.00
1.4	256QAM	1	5	15.75	16.09	15.69	17.00
1.4	256QAM	3	0	15.70	16.00	15.68	17.00
1.4	256QAM	3	1	15.65	15.90	15.67	17.00
1.4	256QAM	3	3	15.60	15.97	15.79	17.00
1.4	256QAM	6	0	15.69	15.94	15.68	17.00

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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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.95	21.18	21.01	22.00
20	QPSK	1	49	20.76	21.11	20.75	22.00
20	QPSK	1	99	20.86	21.17	20.83	22.00
20	QPSK	50	0	19.72	20.09	19.79	21.00
20	QPSK	50	24	19.74	20.06	19.75	21.00
20	QPSK	50	50	19.62	20.04	19.72	21.00
20	QPSK	100	0	19.69	20.05	19.80	21.00
20	16QAM	1	0	19.91	20.29	20.00	21.00
20	16QAM	1	49	19.80	20.22	19.94	21.00
20	16QAM	1	99	19.90	20.25	19.99	21.00
20	16QAM	50	0	18.70	19.03	18.75	20.00
20	16QAM	50	24	18.65	19.05	18.81	20.00
20	16QAM	50	50	18.65	19.04	18.70	20.00
20	16QAM	100	0	18.73	19.03	18.76	20.00
20	64QAM	1	0	18.81	19.09	18.87	20.00
20	64QAM	1	49	18.79	19.15	18.92	20.00
20	64QAM	1	99	18.85	19.17	18.87	20.00
20	64QAM	50	0	17.76	18.03	17.77	19.00
20	64QAM	50	24	17.70	18.04	17.71	19.00
20	64QAM	50	50	17.80	18.06	17.83	19.00
20	64QAM	100	0	17.66	18.03	17.72	19.00
20	256QAM	1	0	15.79	16.14	15.95	17.00
20	256QAM	1	49	15.90	16.15	15.85	17.00
20	256QAM	1	99	15.79	16.11	15.80	17.00
20	256QAM	50	0	15.76	16.02	15.80	17.00
20	256QAM	50	24	15.74	16.03	15.78	17.00
20	256QAM	50	50	15.70	16.04	15.81	17.00
20	256QAM	100	0	15.74	16.03	15.76	17.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.80	21.09	20.94	22.00
15	QPSK	1	37	20.66	21.05	20.73	22.00
15	QPSK	1	74	20.79	21.06	20.75	22.00
15	QPSK	36	0	19.71	19.99	19.71	21.00
15	QPSK	36	20	19.67	20.02	19.63	21.00



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15	QPSK	36	39	19.48	19.96	19.70	21.00
15	QPSK	75	0	19.57	19.94	19.78	21.00
15	16QAM	1	0	19.82	20.22	19.97	21.00
15	16QAM	1	37	19.75	20.17	19.85	21.00
15	16QAM	1	74	19.77	20.21	19.93	21.00
15	16QAM	36	0	18.66	18.93	18.71	20.00
15	16QAM	36	20	18.60	18.92	18.78	20.00
15	16QAM	36	39	18.60	18.98	18.64	20.00
15	16QAM	75	0	18.61	18.98	18.69	20.00
15	64QAM	1	0	18.76	19.03	18.80	20.00
15	64QAM	1	37	18.75	19.10	18.84	20.00
15	64QAM	1	74	18.83	19.05	18.82	20.00
15	64QAM	36	0	17.64	18.01	17.69	19.00
15	64QAM	36	20	17.56	17.93	17.59	19.00
15	64QAM	36	39	17.77	17.96	17.80	19.00
15	64QAM	75	0	17.61	18.01	17.70	19.00
15	256QAM	1	0	15.76	16.07	15.88	17.00
15	256QAM	1	37	15.76	16.01	15.79	17.00
15	256QAM	1	74	15.65	15.99	15.76	17.00
15	256QAM	36	0	15.62	15.98	15.68	17.00
15	256QAM	36	20	15.59	15.94	15.68	17.00
15	256QAM	36	39	15.66	15.98	15.79	17.00
15	256QAM	75	0	15.63	15.88	15.71	17.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.87	21.02	20.94	22.00
10	QPSK	1	25	20.64	20.98	20.71	22.00
10	QPSK	1	49	20.80	21.08	20.69	22.00
10	QPSK	25	0	19.59	19.95	19.66	21.00
10	QPSK	25	12	19.69	19.98	19.74	21.00
10	QPSK	25	25	19.55	19.96	19.59	21.00
10	QPSK	50	0	19.62	20.04	19.78	21.00
10	16QAM	1	0	19.90	20.14	19.98	21.00
10	16QAM	1	25	19.69	20.15	19.79	21.00
10	16QAM	1	49	19.82	20.11	19.96	21.00
10	16QAM	25	0	18.60	19.01	18.68	20.00
10	16QAM	25	12	18.57	18.96	18.66	20.00
10	16QAM	25	25	18.58	18.90	18.69	20.00
10	16QAM	50	0	18.66	19.01	18.71	20.00
10	64QAM	1	0	18.73	18.96	18.72	20.00
10	64QAM	1	25	18.76	19.07	18.89	20.00
10	64QAM	1	49	18.74	19.14	18.83	20.00
10	64QAM	25	0	17.62	17.94	17.63	19.00
10	64QAM	25	12	17.67	18.01	17.61	19.00
10	64QAM	25	25	17.72	18.01	17.81	19.00
10	64QAM	50	0	17.57	18.00	17.60	19.00
10	256QAM	1	0	15.67	16.12	15.91	17.00
10	256QAM	1	25	15.83	16.13	15.71	17.00
10	256QAM	1	49	15.65	15.99	15.74	17.00
10	256QAM	25	0	15.65	15.98	15.68	17.00
10	256QAM	25	12	15.62	16.00	15.76	17.00
10	256QAM	25	25	15.67	15.95	15.77	17.00
10	256QAM	50	0	15.64	15.93	15.71	17.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.92	20.98	20.90	22.00
5	QPSK	1	12	20.62	20.97	20.73	22.00
5	QPSK	1	24	20.77	21.14	20.74	22.00
5	QPSK	12	0	19.69	20.03	19.67	21.00
5	QPSK	12	7	19.72	20.02	19.71	21.00
5	QPSK	12	13	19.51	19.98	19.62	21.00
5	QPSK	25	0	19.60	19.98	19.70	21.00
5	16QAM	1	0	19.79	20.20	19.90	21.00
5	16QAM	1	12	19.70	20.16	19.87	21.00
5	16QAM	1	24	19.87	20.22	19.85	21.00
5	16QAM	12	0	18.59	18.90	18.64	20.00
5	16QAM	12	7	18.50	18.94	18.78	20.00
5	16QAM	12	13	18.52	18.95	18.57	20.00
5	16QAM	25	0	18.63	19.00	18.67	20.00
5	64QAM	1	0	18.76	18.98	18.79	20.00
5	64QAM	1	12	18.70	19.11	18.88	20.00
5	64QAM	1	24	18.83	19.14	18.74	20.00
5	64QAM	12	0	17.70	17.95	17.62	19.00
5	64QAM	12	7	17.65	18.01	17.70	19.00
5	64QAM	12	13	17.68	17.94	17.79	19.00
5	64QAM	25	0	17.55	17.96	17.58	19.00
5	256QAM	1	0	15.67	16.13	15.81	17.00
5	256QAM	1	12	15.78	16.07	15.73	17.00



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5	256QAM	1	24	15.70	16.04	15.77	17.00
5	256QAM	12	0	15.64	15.93	15.76	17.00
5	256QAM	12	7	15.62	15.90	15.63	17.00
5	256QAM	12	13	15.61	15.92	15.77	17.00
5	256QAM	25	0	15.64	15.98	15.68	17.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.89	20.89	20.89	22.00
3	QPSK	1	8	20.65	20.98	20.64	22.00
3	QPSK	1	14	20.75	21.09	20.76	22.00
3	QPSK	8	0	19.57	19.95	19.77	21.00
3	QPSK	8	4	19.73	20.01	19.60	21.00
3	QPSK	8	7	19.59	19.99	19.69	21.00
3	QPSK	15	0	19.60	20.00	19.75	21.00
3	16QAM	1	0	19.81	20.27	19.91	21.00
3	16QAM	1	8	19.67	20.10	19.81	21.00
3	16QAM	1	14	19.76	20.23	19.91	21.00
3	16QAM	8	0	18.64	19.00	18.60	20.00
3	16QAM	8	4	18.57	19.04	18.68	20.00
3	16QAM	8	7	18.50	18.96	18.61	20.00
3	16QAM	15	0	18.70	18.97	18.72	20.00
3	64QAM	1	0	18.80	19.04	18.82	20.00
3	64QAM	1	8	18.70	19.08	18.81	20.00
3	64QAM	1	14	18.81	19.15	18.73	20.00
3	64QAM	8	0	17.71	18.00	17.72	19.00
3	64QAM	8	4	17.60	17.91	17.63	19.00
3	64QAM	8	7	17.68	18.02	17.72	19.00
3	64QAM	15	0	17.64	17.94	17.61	19.00
3	256QAM	1	0	15.72	16.10	15.93	17.00
3	256QAM	1	8	15.85	16.03	15.80	17.00
3	256QAM	1	14	15.76	16.01	15.76	17.00
3	256QAM	8	0	15.68	16.00	15.72	17.00
3	256QAM	8	4	15.73	15.97	15.73	17.00
3	256QAM	8	7	15.58	15.94	15.80	17.00
3	256QAM	15	0	15.66	15.89	15.65	17.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.88	20.97	20.94	22.00
1.4	QPSK	1	3	20.62	21.08	20.60	22.00
1.4	QPSK	1	5	20.79	21.08	20.77	22.00
1.4	QPSK	3	0	20.57	21.08	20.77	22.00
1.4	QPSK	3	1	20.67	20.95	20.67	22.00
1.4	QPSK	3	3	20.51	21.01	20.62	22.00
1.4	QPSK	6	0	19.59	19.99	19.73	21.00
1.4	16QAM	1	0	19.87	20.21	19.97	21.00
1.4	16QAM	1	3	19.76	20.18	19.86	21.00
1.4	16QAM	1	5	19.75	20.22	19.85	21.00
1.4	16QAM	3	0	19.67	19.93	19.63	21.00
1.4	16QAM	3	1	19.59	19.98	19.68	21.00
1.4	16QAM	3	3	19.52	19.97	19.60	21.00
1.4	16QAM	6	0	18.67	18.99	18.63	20.00
1.4	64QAM	1	0	18.75	19.04	18.79	20.00
1.4	64QAM	1	3	18.77	19.12	18.89	20.00
1.4	64QAM	1	5	18.79	19.11	18.75	20.00
1.4	64QAM	3	0	18.68	18.99	18.75	20.00
1.4	64QAM	3	1	18.57	18.95	18.69	20.00
1.4	64QAM	3	3	18.69	18.92	18.81	20.00
1.4	64QAM	6	0	17.52	17.95	17.68	19.00
1.4	256QAM	1	0	15.78	16.03	15.89	17.00
1.4	256QAM	1	3	15.75	16.02	15.81	17.00
1.4	256QAM	1	5	15.75	16.04	15.72	17.00
1.4	256QAM	3	0	15.61	15.88	15.74	17.00
1.4	256QAM	3	1	15.71	15.90	15.74	17.00
1.4	256QAM	3	3	15.62	15.91	15.69	17.00
1.4	256QAM	6	0	15.68	16.01	15.73	17.00



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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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.44	20.48	20.44	21.40
20	QPSK	1	49	20.38	20.33	20.37	21.40
20	QPSK	1	99	20.37	20.36	20.43	21.40
20	QPSK	50	0	20.41	20.46	20.43	20.90
20	QPSK	50	24	20.37	20.37	20.41	20.90
20	QPSK	50	50	20.35	20.37	20.36	20.90
20	QPSK	100	0	20.41	20.43	20.38	20.90
20	16QAM	1	0	19.91	20.29	20.00	20.90
20	16QAM	1	49	19.80	20.22	19.94	20.90
20	16QAM	1	99	19.90	20.25	19.99	20.90
20	16QAM	50	0	18.70	19.03	18.75	19.90
20	16QAM	50	24	18.65	19.05	18.81	19.90
20	16QAM	50	50	18.65	19.04	18.70	19.90
20	16QAM	100	0	18.73	19.03	18.76	19.90
20	64QAM	1	0	18.81	19.09	18.87	19.90
20	64QAM	1	49	18.79	19.15	18.92	19.90
20	64QAM	1	99	18.85	19.17	18.87	19.90
20	64QAM	50	0	17.76	18.03	17.77	18.90
20	64QAM	50	24	17.70	18.04	17.71	18.90
20	64QAM	50	50	17.80	18.06	17.83	18.90
20	64QAM	100	0	17.66	18.03	17.72	18.90
20	256QAM	1	0	15.79	16.14	15.95	16.90
20	256QAM	1	49	15.90	16.15	15.85	16.90
20	256QAM	1	99	15.79	16.11	15.80	16.90
20	256QAM	50	0	15.76	16.02	15.80	16.90
20	256QAM	50	24	15.74	16.03	15.78	16.90
20	256QAM	50	50	15.70	16.04	15.81	16.90
20	256QAM	100	0	15.74	16.03	15.76	16.90
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.40	20.44	20.32	21.40
15	QPSK	1	37	20.24	20.20	20.23	21.40
15	QPSK	1	74	20.30	20.27	20.39	21.40
15	QPSK	36	0	20.31	20.43	20.42	20.90
15	QPSK	36	20	20.23	20.36	20.34	20.90
15	QPSK	36	39	20.32	20.23	20.22	20.90
15	QPSK	75	0	20.39	20.42	20.28	20.90
15	16QAM	1	0	19.80	20.21	19.89	20.90
15	16QAM	1	37	19.79	20.16	19.85	20.90
15	16QAM	1	74	19.84	20.20	19.88	20.90
15	16QAM	36	0	18.56	18.96	18.61	19.90
15	16QAM	36	20	18.61	19.03	18.74	19.90
15	16QAM	36	39	18.61	19.02	18.61	19.90
15	16QAM	75	0	18.59	18.91	18.67	19.90
15	64QAM	1	0	18.76	19.05	18.77	19.90
15	64QAM	1	37	18.77	19.08	18.79	19.90
15	64QAM	1	74	18.78	19.12	18.85	19.90
15	64QAM	36	0	17.75	17.94	17.63	18.90
15	64QAM	36	20	17.60	18.01	17.59	18.90
15	64QAM	36	39	17.68	17.93	17.76	18.90
15	64QAM	75	0	17.56	17.91	17.61	18.90
15	256QAM	1	0	15.64	16.12	15.84	16.90
15	256QAM	1	37	15.87	16.02	15.73	16.90
15	256QAM	1	74	15.77	16.01	15.76	16.90
15	256QAM	36	0	15.72	15.88	15.69	16.90
15	256QAM	36	20	15.61	16.01	15.64	16.90
15	256QAM	36	39	15.59	15.96	15.71	16.90
15	256QAM	75	0	15.67	15.95	15.74	16.90
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.42	20.44	20.31	21.40
10	QPSK	1	25	20.34	20.26	20.34	21.40
10	QPSK	1	49	20.32	20.26	20.34	21.40
10	QPSK	25	0	20.28	20.31	20.33	20.90
10	QPSK	25	12	20.27	20.24	20.39	20.90
10	QPSK	25	25	20.28	20.22	20.23	20.90
10	QPSK	50	0	20.29	20.39	20.28	20.90
10	16QAM	1	0	19.84	20.25	19.89	20.90
10	16QAM	1	25	19.78	20.17	19.81	20.90



10	16QAM	1	49	19.78	20.20	19.98	20.90
10	16QAM	25	0	18.62	18.97	18.74	19.90
10	16QAM	25	12	18.58	18.96	18.78	19.90
10	16QAM	25	25	18.54	18.90	18.66	19.90
10	16QAM	50	0	18.64	18.95	18.70	19.90
10	64QAM	1	0	18.67	19.03	18.82	19.90
10	64QAM	1	25	18.69	19.07	18.79	19.90
10	64QAM	1	49	18.80	19.15	18.85	19.90
10	64QAM	25	0	17.62	18.01	17.64	18.90
10	64QAM	25	12	17.68	17.92	17.65	18.90
10	64QAM	25	25	17.73	18.04	17.73	18.90
10	64QAM	50	0	17.56	17.89	17.70	18.90
10	256QAM	1	0	15.71	16.02	15.86	16.90
10	256QAM	1	25	15.77	16.12	15.81	16.90
10	256QAM	1	49	15.65	15.97	15.65	16.90
10	256QAM	25	0	15.72	15.97	15.65	16.90
10	256QAM	25	12	15.71	15.97	15.67	16.90
10	256QAM	25	25	15.65	15.90	15.73	16.90
10	256QAM	50	0	15.68	15.99	15.71	16.90
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.34	20.38	20.38	21.40
5	QPSK	1	12	20.25	20.28	20.26	21.40
5	QPSK	1	24	20.23	20.24	20.28	21.40
5	QPSK	12	0	20.28	20.34	20.38	20.90
5	QPSK	12	7	20.25	20.27	20.27	20.90
5	QPSK	12	13	20.24	20.25	20.25	20.90
5	QPSK	25	0	20.26	20.32	20.33	20.90
5	16QAM	1	0	19.86	20.18	19.87	20.90
5	16QAM	1	12	19.70	20.18	19.83	20.90
5	16QAM	1	24	19.87	20.22	19.87	20.90
5	16QAM	12	0	18.60	18.95	18.62	19.90
5	16QAM	12	7	18.59	18.91	18.71	19.90
5	16QAM	12	13	18.59	19.02	18.59	19.90
5	16QAM	25	0	18.71	18.92	18.74	19.90
5	64QAM	1	0	18.72	18.95	18.83	19.90
5	64QAM	1	12	18.65	19.00	18.91	19.90
5	64QAM	1	24	18.72	19.09	18.77	19.90
5	64QAM	12	0	17.68	18.02	17.67	18.90
5	64QAM	12	7	17.58	18.00	17.69	18.90
5	64QAM	12	13	17.73	17.97	17.78	18.90
5	64QAM	25	0	17.64	17.96	17.67	18.90
5	256QAM	1	0	15.77	16.10	15.81	16.90
5	256QAM	1	12	15.89	16.13	15.70	16.90
5	256QAM	1	24	15.70	15.99	15.75	16.90
5	256QAM	12	0	15.71	15.97	15.75	16.90
5	256QAM	12	7	15.62	15.99	15.64	16.90
5	256QAM	12	13	15.58	15.98	15.73	16.90
5	256QAM	25	0	15.63	15.92	15.69	16.90
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.29	20.41	20.30	21.40
3	QPSK	1	8	20.30	20.31	20.25	21.40
3	QPSK	1	14	20.28	20.28	20.29	21.40
3	QPSK	8	0	20.32	20.43	20.37	20.90
3	QPSK	8	4	20.35	20.26	20.40	20.90
3	QPSK	8	7	20.33	20.35	20.32	20.90
3	QPSK	15	0	20.38	20.37	20.26	20.90
3	16QAM	1	0	19.80	20.21	19.88	20.90
3	16QAM	1	8	19.67	20.09	19.89	20.90
3	16QAM	1	14	19.84	20.13	19.94	20.90
3	16QAM	8	0	18.67	19.01	18.67	19.90
3	16QAM	8	4	18.64	18.93	18.72	19.90
3	16QAM	8	7	18.57	18.96	18.69	19.90
3	16QAM	15	0	18.61	18.89	18.71	19.90
3	64QAM	1	0	18.78	18.95	18.85	19.90
3	64QAM	1	8	18.74	19.11	18.89	19.90
3	64QAM	1	14	18.75	19.10	18.75	19.90
3	64QAM	8	0	17.66	17.89	17.72	18.90
3	64QAM	8	4	17.58	17.97	17.56	18.90
3	64QAM	8	7	17.68	17.97	17.74	18.90
3	64QAM	15	0	17.56	17.91	17.68	18.90
3	256QAM	1	0	15.75	16.11	15.84	16.90
3	256QAM	1	8	15.78	16.11	15.75	16.90
3	256QAM	1	14	15.67	16.08	15.69	16.90
3	256QAM	8	0	15.66	15.96	15.67	16.90
3	256QAM	8	4	15.66	15.94	15.67	16.90
3	256QAM	8	7	15.56	15.94	15.80	16.90



3	256QAM	15	0	15.59	16.02	15.73	16.90
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.37	20.42	20.36	21.40
1.4	QPSK	1	3	20.25	20.24	20.34	21.40
1.4	QPSK	1	5	20.35	20.28	20.39	21.40
1.4	QPSK	3	0	20.87	20.95	20.78	21.40
1.4	QPSK	3	1	20.80	20.84	20.87	21.40
1.4	QPSK	3	3	20.81	20.73	20.72	21.40
1.4	QPSK	6	0	20.32	20.30	20.33	20.90
1.4	16QAM	1	0	19.77	20.25	19.95	20.90
1.4	16QAM	1	3	19.78	20.19	19.80	20.90
1.4	16QAM	1	5	19.84	20.12	19.90	20.90
1.4	16QAM	3	0	19.59	20.00	19.73	20.90
1.4	16QAM	3	1	19.52	19.91	19.68	20.90
1.4	16QAM	3	3	19.62	19.90	19.64	20.90
1.4	16QAM	6	0	18.58	18.99	18.70	19.90
1.4	64QAM	1	0	18.76	19.05	18.81	19.90
1.4	64QAM	1	3	18.73	19.06	18.89	19.90
1.4	64QAM	1	5	18.74	19.11	18.74	19.90
1.4	64QAM	3	0	18.74	18.98	18.68	19.90
1.4	64QAM	3	1	18.63	18.91	18.64	19.90
1.4	64QAM	3	3	18.74	19.01	18.74	19.90
1.4	64QAM	6	0	17.53	17.96	17.66	18.90
1.4	256QAM	1	0	15.77	16.10	15.93	16.90
1.4	256QAM	1	3	15.77	16.06	15.74	16.90
1.4	256QAM	1	5	15.76	16.02	15.67	16.90
1.4	256QAM	3	0	15.63	15.96	15.71	16.90
1.4	256QAM	3	1	15.70	15.98	15.66	16.90
1.4	256QAM	3	3	15.62	15.94	15.75	16.90
1.4	256QAM	6	0	15.59	15.96	15.68	16.90

【LTE Band 2_Ant 4_ECI 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	15.52	15.53	15.51	16.70
20	QPSK	1	49	15.51	15.49	15.45	16.70
20	QPSK	1	99	15.50	15.48	15.43	16.70
20	QPSK	50	0	15.49	15.50	15.46	16.70
20	QPSK	50	24	15.42	15.45	15.44	16.70
20	QPSK	50	50	15.41	15.42	15.42	16.70
20	QPSK	100	0	15.49	15.40	15.50	16.70
20	16QAM	1	0	15.44	15.45	15.43	16.70
20	16QAM	1	49	15.47	15.42	15.45	16.70
20	16QAM	1	99	15.44	15.48	15.47	16.70
20	16QAM	50	0	15.50	15.47	15.51	16.70
20	16QAM	50	24	15.45	15.40	15.39	16.70
20	16QAM	50	50	15.48	15.41	15.41	16.70
20	16QAM	100	0	15.50	15.48	15.40	16.70
20	64QAM	1	0	15.47	15.47	15.41	16.70
20	64QAM	1	49	15.46	15.39	15.47	16.70
20	64QAM	1	99	15.50	15.48	15.40	16.70
20	64QAM	50	0	15.48	15.46	15.45	16.70
20	64QAM	50	24	15.48	15.45	15.39	16.70
20	64QAM	50	50	15.48	15.42	15.50	16.70
20	64QAM	100	0	15.50	15.46	15.40	16.70
20	256QAM	1	0	15.46	15.44	15.48	16.70
20	256QAM	1	49	15.42	15.39	15.40	16.70
20	256QAM	1	99	15.51	15.47	15.41	16.70
20	256QAM	50	0	15.49	15.44	15.50	16.70
20	256QAM	50	24	15.41	15.40	15.45	16.70
20	256QAM	50	50	15.45	15.41	15.46	16.70
20	256QAM	100	0	15.41	15.44	15.42	16.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.41	15.49	15.38	16.70
15	QPSK	1	37	15.38	15.42	15.42	16.70
15	QPSK	1	74	15.46	15.43	15.42	16.70
15	QPSK	36	0	15.43	15.48	15.45	16.70
15	QPSK	36	20	15.29	15.33	15.32	16.70



15	QPSK	36	39	15.35	15.38	15.32	16.70
15	QPSK	75	0	15.46	15.29	15.41	16.70
15	16QAM	1	0	15.30	15.33	15.33	16.70
15	16QAM	1	37	15.42	15.30	15.41	16.70
15	16QAM	1	74	15.35	15.43	15.42	16.70
15	16QAM	36	0	15.35	15.41	15.44	16.70
15	16QAM	36	20	15.38	15.30	15.26	16.70
15	16QAM	36	39	15.45	15.27	15.32	16.70
15	16QAM	75	0	15.42	15.38	15.26	16.70
15	64QAM	1	0	15.40	15.38	15.28	16.70
15	64QAM	1	37	15.44	15.31	15.37	16.70
15	64QAM	1	74	15.47	15.40	15.32	16.70
15	64QAM	36	0	15.39	15.37	15.38	16.70
15	64QAM	36	20	15.39	15.43	15.34	16.70
15	64QAM	36	39	15.38	15.40	15.39	16.70
15	64QAM	75	0	15.41	15.43	15.25	16.70
15	256QAM	1	0	15.38	15.34	15.42	16.70
15	256QAM	1	37	15.27	15.27	15.27	16.70
15	256QAM	1	74	15.47	15.38	15.40	16.70
15	256QAM	36	0	15.35	15.40	15.45	16.70
15	256QAM	36	20	15.28	15.34	15.33	16.70
15	256QAM	36	39	15.39	15.35	15.35	16.70
15	256QAM	75	0	15.38	15.31	15.32	16.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	15.45	15.40	15.46	16.70
10	QPSK	1	25	15.42	15.44	15.34	16.70
10	QPSK	1	49	15.47	15.41	15.39	16.70
10	QPSK	25	0	15.43	15.36	15.33	16.70
10	QPSK	25	12	15.29	15.40	15.37	16.70
10	QPSK	25	25	15.36	15.34	15.34	16.70
10	QPSK	50	0	15.38	15.28	15.42	16.70
10	16QAM	1	0	15.37	15.39	15.28	16.70
10	16QAM	1	25	15.45	15.31	15.43	16.70
10	16QAM	1	49	15.39	15.36	15.32	16.70
10	16QAM	25	0	15.43	15.37	15.39	16.70
10	16QAM	25	12	15.43	15.30	15.31	16.70
10	16QAM	25	25	15.41	15.27	15.37	16.70
10	16QAM	50	0	15.38	15.36	15.37	16.70
10	64QAM	1	0	15.41	15.45	15.27	16.70
10	64QAM	1	25	15.45	15.30	15.38	16.70
10	64QAM	1	49	15.46	15.39	15.30	16.70
10	64QAM	25	0	15.42	15.32	15.33	16.70
10	64QAM	25	12	15.37	15.35	15.28	16.70
10	64QAM	25	25	15.37	15.28	15.43	16.70
10	64QAM	50	0	15.48	15.32	15.32	16.70
10	256QAM	1	0	15.36	15.33	15.34	16.70
10	256QAM	1	25	15.29	15.37	15.32	16.70
10	256QAM	1	49	15.42	15.43	15.28	16.70
10	256QAM	25	0	15.39	15.31	15.44	16.70
10	256QAM	25	12	15.37	15.38	15.32	16.70
10	256QAM	25	25	15.43	15.28	15.40	16.70
10	256QAM	50	0	15.35	15.30	15.39	16.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.39	15.46	15.37	16.70
5	QPSK	1	12	15.45	15.37	15.37	16.70
5	QPSK	1	24	15.44	15.41	15.28	16.70
5	QPSK	12	0	15.44	15.39	15.34	16.70
5	QPSK	12	7	15.37	15.32	15.35	16.70
5	QPSK	12	13	15.35	15.41	15.34	16.70
5	QPSK	25	0	15.46	15.34	15.36	16.70
5	16QAM	1	0	15.39	15.32	15.37	16.70
5	16QAM	1	12	15.42	15.35	15.40	16.70
5	16QAM	1	24	15.42	15.43	15.33	16.70
5	16QAM	12	0	15.38	15.35	15.48	16.70
5	16QAM	12	7	15.36	15.30	15.28	16.70
5	16QAM	12	13	15.39	15.37	15.28	16.70
5	16QAM	25	0	15.44	15.42	15.35	16.70
5	64QAM	1	0	15.36	15.42	15.34	16.70
5	64QAM	1	12	15.37	15.28	15.37	16.70
5	64QAM	1	24	15.37	15.34	15.39	16.70
5	64QAM	12	0	15.41	15.32	15.32	16.70
5	64QAM	12	7	15.40	15.32	15.31	16.70
5	64QAM	12	13	15.46	15.35	15.43	16.70
5	64QAM	25	0	15.44	15.32	15.32	16.70
5	256QAM	1	0	15.35	15.31	15.39	16.70
5	256QAM	1	12	15.33	15.27	15.39	16.70



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5	256QAM	1	24	15.45	15.40	15.38	16.70
5	256QAM	12	0	15.43	15.29	15.41	16.70
5	256QAM	12	7	15.35	15.28	15.41	16.70
5	256QAM	12	13	15.43	15.35	15.39	16.70
5	256QAM	25	0	15.34	15.38	15.31	16.70
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.43	15.51	15.41	16.70
3	QPSK	1	8	15.45	15.39	15.43	16.70
3	QPSK	1	14	15.41	15.38	15.33	16.70
3	QPSK	8	0	15.35	15.39	15.34	16.70
3	QPSK	8	4	15.39	15.33	15.41	16.70
3	QPSK	8	7	15.39	15.35	15.36	16.70
3	QPSK	15	0	15.38	15.30	15.40	16.70
3	16QAM	1	0	15.34	15.42	15.37	16.70
3	16QAM	1	8	15.44	15.27	15.39	16.70
3	16QAM	1	14	15.38	15.47	15.40	16.70
3	16QAM	8	0	15.40	15.44	15.42	16.70
3	16QAM	8	4	15.31	15.34	15.31	16.70
3	16QAM	8	7	15.41	15.35	15.28	16.70
3	16QAM	15	0	15.40	15.40	15.29	16.70
3	64QAM	1	0	15.43	15.43	15.26	16.70
3	64QAM	1	8	15.38	15.32	15.46	16.70
3	64QAM	1	14	15.41	15.47	15.27	16.70
3	64QAM	8	0	15.33	15.35	15.34	16.70
3	64QAM	8	4	15.38	15.32	15.32	16.70
3	64QAM	8	7	15.45	15.36	15.48	16.70
3	64QAM	15	0	15.38	15.39	15.38	16.70
3	256QAM	1	0	15.39	15.39	15.34	16.70
3	256QAM	1	8	15.39	15.34	15.36	16.70
3	256QAM	1	14	15.40	15.33	15.28	16.70
3	256QAM	8	0	15.46	15.37	15.39	16.70
3	256QAM	8	4	15.30	15.29	15.30	16.70
3	256QAM	8	7	15.38	15.33	15.32	16.70
3	256QAM	15	0	15.29	15.33	15.35	16.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.38	15.52	15.47	16.70
1.4	QPSK	1	3	15.48	15.47	15.42	16.70
1.4	QPSK	1	5	15.43	15.37	15.41	16.70
1.4	QPSK	3	0	15.44	15.35	15.43	16.70
1.4	QPSK	3	1	15.37	15.36	15.36	16.70
1.4	QPSK	3	3	15.34	15.38	15.36	16.70
1.4	QPSK	6	0	15.39	15.26	15.41	16.70
1.4	16QAM	1	0	15.41	15.35	15.41	16.70
1.4	16QAM	1	3	15.45	15.37	15.43	16.70
1.4	16QAM	1	5	15.42	15.35	15.37	16.70
1.4	16QAM	3	0	15.35	15.39	15.50	16.70
1.4	16QAM	3	1	15.43	15.31	15.37	16.70
1.4	16QAM	3	3	15.36	15.33	15.36	16.70
1.4	16QAM	6	0	15.37	15.43	15.39	16.70
1.4	64QAM	1	0	15.39	15.35	15.33	16.70
1.4	64QAM	1	3	15.33	15.31	15.39	16.70
1.4	64QAM	1	5	15.40	15.45	15.29	16.70
1.4	64QAM	3	0	15.44	15.40	15.41	16.70
1.4	64QAM	3	1	15.38	15.37	15.36	16.70
1.4	64QAM	3	3	15.45	15.29	15.40	16.70
1.4	64QAM	6	0	15.41	15.32	15.28	16.70
1.4	256QAM	1	0	15.42	15.34	15.45	16.70
1.4	256QAM	1	3	15.40	15.27	15.30	16.70
1.4	256QAM	1	5	15.46	15.41	15.34	16.70
1.4	256QAM	3	0	15.44	15.35	15.41	16.70
1.4	256QAM	3	1	15.37	15.36	15.30	16.70
1.4	256QAM	3	3	15.40	15.37	15.44	16.70
1.4	256QAM	6	0	15.28	15.33	15.37	16.70



【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.29	22.46	22.25	24.00
20	QPSK	1	49	22.00	22.29	22.03	24.00
20	QPSK	1	99	22.14	22.42	22.17	24.00
20	QPSK	50	0	21.09	21.38	21.11	23.00
20	QPSK	50	24	21.03	21.31	21.10	23.00
20	QPSK	50	50	21.10	21.33	21.07	23.00
20	QPSK	100	0	21.07	21.31	21.00	23.00
20	16QAM	1	0	21.38	21.63	21.40	23.00
20	16QAM	1	49	21.35	21.66	21.38	23.00
20	16QAM	1	99	21.47	21.72	21.38	23.00
20	16QAM	50	0	20.01	20.27	20.01	22.00
20	16QAM	50	24	20.01	20.29	20.04	22.00
20	16QAM	50	50	20.08	20.31	20.09	22.00
20	16QAM	100	0	20.14	20.31	20.09	22.00
20	64QAM	1	0	20.21	20.48	20.16	22.00
20	64QAM	1	49	20.29	20.51	20.30	22.00
20	64QAM	1	99	20.37	20.62	20.40	22.00
20	64QAM	50	0	19.08	19.29	19.02	21.00
20	64QAM	50	24	19.01	19.26	19.00	21.00
20	64QAM	50	50	19.03	19.29	19.02	21.00
20	64QAM	100	0	19.08	19.28	19.00	21.00
20	256QAM	1	0	17.14	17.35	17.06	19.00
20	256QAM	1	49	17.35	17.49	17.26	19.00
20	256QAM	1	99	17.23	17.48	17.25	19.00
20	256QAM	50	0	17.03	17.26	17.06	19.00
20	256QAM	50	24	17.13	17.28	17.05	19.00
20	256QAM	50	50	17.11	17.31	17.13	19.00
20	256QAM	100	0	17.06	17.30	17.08	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.16	22.28	22.12	24.00
15	QPSK	1	37	22.00	22.17	22.01	24.00
15	QPSK	1	74	22.09	22.30	22.03	24.00
15	QPSK	36	0	21.01	21.36	21.01	23.00
15	QPSK	36	20	21.02	21.16	21.07	23.00
15	QPSK	36	39	21.04	21.19	21.05	23.00
15	QPSK	75	0	21.06	21.21	21.01	23.00
15	16QAM	1	0	21.26	21.57	21.30	23.00
15	16QAM	1	37	21.22	21.51	21.34	23.00
15	16QAM	1	74	21.42	21.67	21.29	23.00
15	16QAM	36	0	20.01	20.19	20.00	22.00
15	16QAM	36	20	20.00	20.17	20.02	22.00
15	16QAM	36	39	20.00	20.19	20.00	22.00
15	16QAM	75	0	20.07	20.28	20.04	22.00
15	64QAM	1	0	20.11	20.46	20.02	22.00
15	64QAM	1	37	20.28	20.46	20.21	22.00
15	64QAM	1	74	20.29	20.55	20.30	22.00
15	64QAM	36	0	19.00	19.26	19.00	21.00
15	64QAM	36	20	19.00	19.20	19.00	21.00
15	64QAM	36	39	19.02	19.15	19.01	21.00
15	64QAM	75	0	19.02	19.18	19.01	21.00
15	256QAM	1	0	17.00	17.28	17.00	19.00
15	256QAM	1	37	17.26	17.37	17.18	19.00
15	256QAM	1	74	17.14	17.46	17.21	19.00
15	256QAM	36	0	17.02	17.16	17.04	19.00
15	256QAM	36	20	17.01	17.25	17.00	19.00
15	256QAM	36	39	17.01	17.22	17.04	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.24	22.28	22.21	24.00
10	QPSK	1	25	22.01	22.16	22.01	24.00
10	QPSK	1	49	22.07	22.32	22.03	24.00
10	QPSK	25	0	21.02	21.26	21.00	23.00
10	QPSK	25	12	21.00	21.29	21.01	23.00
10	QPSK	25	25	21.07	21.21	21.01	23.00
10	QPSK	50	0	21.00	21.30	21.01	23.00
10	16QAM	1	0	21.30	21.48	21.36	23.00
10	16QAM	1	25	21.20	21.62	21.25	23.00



10	16QAM	1	49	21.33	21.69	21.32	23.00
10	16QAM	25	0	20.00	20.18	20.01	22.00
10	16QAM	25	12	20.00	20.24	20.00	22.00
10	16QAM	25	25	20.00	20.23	20.01	22.00
10	16QAM	50	0	20.11	20.27	20.01	22.00
10	64QAM	1	0	20.17	20.42	20.14	22.00
10	64QAM	1	25	20.25	20.37	20.18	22.00
10	64QAM	1	49	20.31	20.48	20.35	22.00
10	64QAM	25	0	19.06	19.22	19.00	21.00
10	64QAM	25	12	19.00	19.19	19.00	21.00
10	64QAM	25	25	19.01	19.21	19.00	21.00
10	64QAM	50	0	19.02	19.15	19.00	21.00
10	256QAM	1	0	17.01	17.32	17.00	19.00
10	256QAM	1	25	17.24	17.47	17.20	19.00
10	256QAM	1	49	17.13	17.44	17.13	19.00
10	256QAM	25	0	17.01	17.13	17.00	19.00
10	256QAM	25	12	17.08	17.27	17.00	19.00
10	256QAM	25	25	17.00	17.24	17.06	19.00
10	256QAM	50	0	17.00	17.21	17.01	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.18	22.27	22.19	24.00
5	QPSK	1	12	22.01	22.26	22.00	24.00
5	QPSK	1	24	22.05	22.40	22.04	24.00
5	QPSK	12	0	21.08	21.30	21.00	23.00
5	QPSK	12	7	21.00	21.30	21.08	23.00
5	QPSK	12	13	21.01	21.28	21.00	23.00
5	QPSK	25	0	21.02	21.26	21.01	23.00
5	16QAM	1	0	21.23	21.58	21.34	23.00
5	16QAM	1	12	21.27	21.53	21.27	23.00
5	16QAM	1	24	21.34	21.60	21.29	23.00
5	16QAM	12	0	20.00	20.23	20.00	22.00
5	16QAM	12	7	20.02	20.17	20.01	22.00
5	16QAM	12	13	20.06	20.17	20.00	22.00
5	16QAM	25	0	20.07	20.16	20.01	22.00
5	64QAM	1	0	20.18	20.45	20.02	22.00
5	64QAM	1	12	20.26	20.44	20.15	22.00
5	64QAM	1	24	20.35	20.52	20.33	22.00
5	64QAM	12	0	19.01	19.25	19.00	21.00
5	64QAM	12	7	19.00	19.17	19.00	21.00
5	64QAM	12	13	19.00	19.22	19.01	21.00
5	64QAM	25	0	19.01	19.18	19.00	21.00
5	256QAM	1	0	17.06	17.32	17.01	19.00
5	256QAM	1	12	17.25	17.47	17.13	19.00
5	256QAM	1	24	17.20	17.43	17.21	19.00
5	256QAM	12	0	17.02	17.13	17.01	19.00
5	256QAM	12	7	17.10	17.22	17.01	19.00
5	256QAM	12	13	17.06	17.29	17.00	19.00
5	256QAM	25	0	17.01	17.27	17.00	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.21	22.19	22.18	24.00
3	QPSK	1	8	22.02	22.27	22.02	24.00
3	QPSK	1	14	22.07	22.36	22.04	24.00
3	QPSK	8	0	21.04	21.37	21.00	23.00
3	QPSK	8	4	21.00	21.29	21.04	23.00
3	QPSK	8	7	21.03	21.30	21.00	23.00
3	QPSK	15	0	21.01	21.27	21.01	23.00
3	16QAM	1	0	21.24	21.53	21.27	23.00
3	16QAM	1	8	21.26	21.60	21.28	23.00
3	16QAM	1	14	21.36	21.66	21.27	23.00
3	16QAM	8	0	20.00	20.22	20.00	22.00
3	16QAM	8	4	20.00	20.26	20.03	22.00
3	16QAM	8	7	20.02	20.19	20.07	22.00
3	16QAM	15	0	20.07	20.24	20.00	22.00
3	64QAM	1	0	20.15	20.41	20.01	22.00
3	64QAM	1	8	20.27	20.48	20.20	22.00
3	64QAM	1	14	20.27	20.52	20.38	22.00
3	64QAM	8	0	19.00	19.17	19.00	21.00
3	64QAM	8	4	19.00	19.23	19.00	21.00
3	64QAM	8	7	19.01	19.17	19.01	21.00
3	64QAM	15	0	19.03	19.23	19.00	21.00
3	256QAM	1	0	17.12	17.20	17.00	19.00
3	256QAM	1	8	17.24	17.38	17.11	19.00
3	256QAM	1	14	17.16	17.42	17.16	19.00
3	256QAM	8	0	17.01	17.18	17.00	19.00
3	256QAM	8	4	17.11	17.25	17.04	19.00
3	256QAM	8	7	17.07	17.26	17.00	19.00



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3	256QAM	15	0	17.00	17.27	17.03	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.26	22.23	22.17	24.00
1.4	QPSK	1	3	22.01	22.23	22.02	24.00
1.4	QPSK	1	5	22.03	22.31	22.09	24.00
1.4	QPSK	3	0	22.06	22.29	22.05	24.00
1.4	QPSK	3	1	22.01	22.25	22.04	24.00
1.4	QPSK	3	3	22.01	22.32	22.04	24.00
1.4	QPSK	6	0	21.06	21.21	21.00	23.00
1.4	16QAM	1	0	21.26	21.48	21.25	23.00
1.4	16QAM	1	3	21.34	21.61	21.36	23.00
1.4	16QAM	1	5	21.38	21.60	21.36	23.00
1.4	16QAM	3	0	21.00	21.22	21.01	23.00
1.4	16QAM	3	1	21.01	21.20	21.00	23.00
1.4	16QAM	3	3	21.01	21.27	21.00	23.00
1.4	16QAM	6	0	20.11	20.20	20.05	22.00
1.4	64QAM	1	0	20.08	20.34	20.04	22.00
1.4	64QAM	1	3	20.15	20.40	20.17	22.00
1.4	64QAM	1	5	20.25	20.49	20.26	22.00
1.4	64QAM	3	0	20.00	20.25	20.02	22.00
1.4	64QAM	3	1	20.00	20.24	20.01	22.00
1.4	64QAM	3	3	20.02	20.17	20.01	22.00
1.4	64QAM	6	0	19.04	19.19	19.00	21.00
1.4	256QAM	1	0	17.12	17.21	17.00	19.00
1.4	256QAM	1	3	17.22	17.45	17.13	19.00
1.4	256QAM	1	5	17.15	17.40	17.19	19.00
1.4	256QAM	3	0	17.02	17.23	17.00	19.00
1.4	256QAM	3	1	17.00	17.21	17.00	19.00
1.4	256QAM	3	3	17.01	17.30	17.07	19.00
1.4	256QAM	6	0	17.00	17.19	17.02	19.00

【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.22	23.07	24.00
20	QPSK	1	49	23.12	23.19	22.96	24.00
20	QPSK	1	99	23.13	23.05	23.00	24.00
20	QPSK	50	0	22.22	22.23	22.17	23.00
20	QPSK	50	24	22.20	22.18	22.12	23.00
20	QPSK	50	50	22.20	22.16	22.13	23.00
20	QPSK	100	0	22.12	22.19	22.18	23.00
20	16QAM	1	0	22.13	22.22	22.07	23.00
20	16QAM	1	49	22.22	22.26	22.14	23.00
20	16QAM	1	99	22.15	22.20	22.11	23.00
20	16QAM	50	0	21.17	21.26	21.11	22.00
20	16QAM	50	24	21.19	21.26	21.17	22.00
20	16QAM	50	50	21.22	21.20	21.11	22.00
20	16QAM	100	0	21.06	21.23	21.18	22.00
20	64QAM	1	0	21.17	21.25	21.01	22.00
20	64QAM	1	49	21.12	21.30	21.08	22.00
20	64QAM	1	99	21.20	21.22	21.02	22.00
20	64QAM	50	0	20.21	20.26	20.06	21.00
20	64QAM	50	24	20.15	20.23	20.15	21.00
20	64QAM	50	50	20.14	20.33	20.05	21.00
20	64QAM	100	0	20.20	20.25	20.02	21.00
20	256QAM	1	0	18.22	18.27	18.20	19.00
20	256QAM	1	49	18.07	18.23	18.09	19.00
20	256QAM	1	99	18.10	18.16	18.13	19.00
20	256QAM	50	0	18.24	18.12	18.11	19.00
20	256QAM	50	24	18.13	18.23	18.15	19.00
20	256QAM	50	50	18.10	18.20	18.15	19.00
20	256QAM	100	0	18.11	18.29	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.16	22.96	24.00
15	QPSK	1	37	22.97	23.13	22.94	24.00
15	QPSK	1	74	23.07	23.04	22.99	24.00
15	QPSK	36	0	22.11	22.20	22.07	23.00
15	QPSK	36	20	22.14	22.14	22.00	23.00



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15	QPSK	36	39	22.14	22.14	22.08	23.00
15	QPSK	75	0	21.98	22.13	22.11	23.00
15	16QAM	1	0	22.09	22.16	22.05	23.00
15	16QAM	1	37	22.07	22.18	22.06	23.00
15	16QAM	1	74	22.01	22.11	21.96	23.00
15	16QAM	36	0	21.15	21.15	21.08	22.00
15	16QAM	36	20	21.10	21.18	21.16	22.00
15	16QAM	36	39	21.19	21.15	21.04	22.00
15	16QAM	75	0	21.03	21.10	21.07	22.00
15	64QAM	1	0	21.05	21.23	20.96	22.00
15	64QAM	1	37	21.05	21.28	21.01	22.00
15	64QAM	1	74	21.16	21.15	21.01	22.00
15	64QAM	36	0	20.13	20.21	19.92	21.00
15	64QAM	36	20	20.11	20.18	20.09	21.00
15	64QAM	36	39	19.99	20.20	20.03	21.00
15	64QAM	75	0	20.11	20.14	19.91	21.00
15	256QAM	1	0	18.11	18.14	18.09	19.00
15	256QAM	1	37	17.92	18.21	18.00	19.00
15	256QAM	1	74	17.99	18.12	18.07	19.00
15	256QAM	36	0	18.15	18.05	17.99	19.00
15	256QAM	36	20	18.11	18.17	18.09	19.00
15	256QAM	36	39	18.04	18.10	18.05	19.00
15	256QAM	75	0	17.98	18.19	18.08	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.13	23.10	22.95	24.00
10	QPSK	1	25	23.02	23.11	22.88	24.00
10	QPSK	1	49	23.10	22.95	22.87	24.00
10	QPSK	25	0	22.15	22.10	22.07	23.00
10	QPSK	25	12	22.08	22.17	21.97	23.00
10	QPSK	25	25	22.14	22.13	22.12	23.00
10	QPSK	50	0	22.07	22.17	22.13	23.00
10	16QAM	1	0	21.99	22.21	21.99	23.00
10	16QAM	1	25	22.17	22.16	22.04	23.00
10	16QAM	1	49	22.11	22.15	22.06	23.00
10	16QAM	25	0	21.13	21.14	21.04	22.00
10	16QAM	25	12	21.14	21.11	21.03	22.00
10	16QAM	25	25	21.11	21.15	21.07	22.00
10	16QAM	50	0	21.03	21.14	21.15	22.00
10	64QAM	1	0	21.10	21.13	20.96	22.00
10	64QAM	1	25	21.09	21.24	21.06	22.00
10	64QAM	1	49	21.08	21.19	20.95	22.00
10	64QAM	25	0	20.06	20.23	19.96	21.00
10	64QAM	25	12	20.11	20.09	20.13	21.00
10	64QAM	25	25	20.00	20.28	19.94	21.00
10	64QAM	50	0	20.07	20.15	19.90	21.00
10	256QAM	1	0	18.13	18.17	18.05	19.00
10	256QAM	1	25	18.03	18.09	18.02	19.00
10	256QAM	1	49	18.03	18.05	18.00	19.00
10	256QAM	25	0	18.13	18.09	18.07	19.00
10	256QAM	25	12	18.11	18.16	18.00	19.00
10	256QAM	25	25	18.03	18.05	18.00	19.00
10	256QAM	50	0	18.01	18.27	17.97	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.09	23.18	22.95	24.00
5	QPSK	1	12	23.06	23.17	22.85	24.00
5	QPSK	1	24	23.02	23.01	22.90	24.00
5	QPSK	12	0	22.18	22.14	22.11	23.00
5	QPSK	12	7	22.11	22.10	22.00	23.00
5	QPSK	12	13	22.12	22.04	21.99	23.00
5	QPSK	25	0	21.97	22.12	22.13	23.00
5	16QAM	1	0	22.08	22.18	21.95	23.00
5	16QAM	1	12	22.17	22.14	22.04	23.00
5	16QAM	1	24	22.01	22.10	22.09	23.00
5	16QAM	12	0	21.11	21.20	21.02	22.00
5	16QAM	12	7	21.12	21.21	21.05	22.00
5	16QAM	12	13	21.18	21.05	21.06	22.00
5	16QAM	25	0	20.94	21.20	21.05	22.00
5	64QAM	1	0	21.12	21.18	20.96	22.00
5	64QAM	1	12	21.10	21.21	21.01	22.00
5	64QAM	1	24	21.13	21.15	20.92	22.00
5	64QAM	12	0	20.16	20.19	19.97	21.00
5	64QAM	12	7	20.04	20.14	20.04	21.00
5	64QAM	12	13	20.09	20.27	19.95	21.00
5	64QAM	25	0	20.08	20.23	19.97	21.00
5	256QAM	1	0	18.18	18.19	18.12	19.00
5	256QAM	1	12	17.99	18.12	18.02	19.00



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5	256QAM	1	24	18.05	18.05	18.05	19.00
5	256QAM	12	0	18.15	18.02	18.00	19.00
5	256QAM	12	7	18.08	18.19	18.03	19.00
5	256QAM	12	13	17.96	18.17	18.11	19.00
5	256QAM	25	0	18.02	18.21	17.96	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.02	23.19	23.04	24.00
3	QPSK	1	8	22.99	23.14	22.81	24.00
3	QPSK	1	14	23.02	23.00	22.97	24.00
3	QPSK	8	0	22.14	22.15	22.08	23.00
3	QPSK	8	4	22.16	22.06	22.05	23.00
3	QPSK	8	7	22.13	22.11	22.02	23.00
3	QPSK	15	0	22.06	22.12	22.05	23.00
3	16QAM	1	0	22.03	22.20	22.04	23.00
3	16QAM	1	8	22.10	22.17	22.07	23.00
3	16QAM	1	14	22.07	22.11	22.09	23.00
3	16QAM	8	0	21.09	21.23	20.99	22.00
3	16QAM	8	4	21.09	21.20	21.10	22.00
3	16QAM	8	7	21.17	21.16	20.98	22.00
3	16QAM	15	0	20.91	21.21	21.17	22.00
3	64QAM	1	0	21.10	21.10	20.86	22.00
3	64QAM	1	8	21.00	21.19	21.06	22.00
3	64QAM	1	14	21.10	21.18	20.94	22.00
3	64QAM	8	0	20.10	20.14	19.95	21.00
3	64QAM	8	4	20.06	20.10	20.05	21.00
3	64QAM	8	7	20.04	20.25	19.97	21.00
3	64QAM	15	0	20.07	20.12	19.88	21.00
3	256QAM	1	0	18.16	18.16	18.09	19.00
3	256QAM	1	8	18.04	18.14	17.97	19.00
3	256QAM	1	14	18.02	18.13	17.99	19.00
3	256QAM	8	0	18.21	18.02	18.07	19.00
3	256QAM	8	4	17.99	18.18	18.13	19.00
3	256QAM	8	7	17.98	18.16	18.04	19.00
3	256QAM	15	0	18.06	18.23	18.08	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.04	23.17	22.98	24.00
1.4	QPSK	1	3	23.05	23.14	22.89	24.00
1.4	QPSK	1	5	22.99	23.01	22.98	24.00
1.4	QPSK	3	0	23.10	23.10	23.13	24.00
1.4	QPSK	3	1	23.16	23.05	23.04	24.00
1.4	QPSK	3	3	23.07	23.12	23.02	24.00
1.4	QPSK	6	0	22.11	22.08	22.11	23.00
1.4	16QAM	1	0	22.05	22.16	21.94	23.00
1.4	16QAM	1	3	22.15	22.21	22.04	23.00
1.4	16QAM	1	5	22.03	22.16	21.98	23.00
1.4	16QAM	3	0	22.02	22.14	22.08	23.00
1.4	16QAM	3	1	22.10	22.12	22.03	23.00
1.4	16QAM	3	3	22.13	22.10	22.03	23.00
1.4	16QAM	6	0	21.04	21.16	21.15	22.00
1.4	64QAM	1	0	21.12	21.13	20.90	22.00
1.4	64QAM	1	3	21.06	21.22	21.06	22.00
1.4	64QAM	1	5	21.13	21.16	20.95	22.00
1.4	64QAM	3	0	21.11	21.22	20.99	22.00
1.4	64QAM	3	1	21.11	21.09	21.11	22.00
1.4	64QAM	3	3	21.05	21.26	20.97	22.00
1.4	64QAM	6	0	20.07	20.16	19.94	21.00
1.4	256QAM	1	0	18.14	18.16	18.15	19.00
1.4	256QAM	1	3	17.92	18.08	18.04	19.00
1.4	256QAM	1	5	17.96	18.14	17.98	19.00
1.4	256QAM	3	0	18.10	18.06	18.09	19.00
1.4	256QAM	3	1	18.08	18.13	18.02	19.00
1.4	256QAM	3	3	18.09	18.09	18.04	19.00
1.4	256QAM	6	0	18.06	18.24	18.08	19.00

**【LTE Band 4_Ant 0_ECI 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	22.29	22.46	22.25	24.00
20	QPSK	1	49	22.00	22.29	22.03	24.00
20	QPSK	1	99	22.14	22.42	22.17	24.00
20	QPSK	50	0	21.09	21.38	21.11	23.00
20	QPSK	50	24	21.03	21.31	21.10	23.00
20	QPSK	50	50	21.10	21.33	21.07	23.00
20	QPSK	100	0	21.07	21.31	21.00	23.00
20	16QAM	1	0	21.38	21.63	21.40	23.00
20	16QAM	1	49	21.35	21.66	21.38	23.00
20	16QAM	1	99	21.47	21.72	21.38	23.00
20	16QAM	50	0	20.01	20.27	20.01	22.00
20	16QAM	50	24	20.01	20.29	20.04	22.00
20	16QAM	50	50	20.08	20.31	20.09	22.00
20	16QAM	100	0	20.14	20.31	20.09	22.00
20	64QAM	1	0	20.21	20.48	20.16	22.00
20	64QAM	1	49	20.29	20.51	20.30	22.00
20	64QAM	1	99	20.37	20.62	20.40	22.00
20	64QAM	50	0	19.08	19.29	19.02	21.00
20	64QAM	50	24	19.01	19.26	19.00	21.00
20	64QAM	50	50	19.03	19.29	19.02	21.00
20	64QAM	100	0	19.08	19.28	19.00	21.00
20	256QAM	1	0	17.14	17.35	17.06	19.00
20	256QAM	1	49	17.35	17.49	17.26	19.00
20	256QAM	1	99	17.23	17.48	17.25	19.00
20	256QAM	50	0	17.03	17.26	17.06	19.00
20	256QAM	50	24	17.13	17.28	17.05	19.00
20	256QAM	50	50	17.11	17.31	17.13	19.00
20	256QAM	100	0	17.06	17.30	17.08	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.16	22.28	22.12	24.00
15	QPSK	1	37	22.00	22.17	22.01	24.00
15	QPSK	1	74	22.09	22.30	22.03	24.00
15	QPSK	36	0	21.01	21.36	21.01	23.00
15	QPSK	36	20	21.02	21.16	21.07	23.00
15	QPSK	36	39	21.04	21.19	21.05	23.00
15	QPSK	75	0	21.06	21.21	21.01	23.00
15	16QAM	1	0	21.26	21.57	21.30	23.00
15	16QAM	1	37	21.22	21.51	21.34	23.00
15	16QAM	1	74	21.42	21.67	21.29	23.00
15	16QAM	36	0	20.01	20.19	20.00	22.00
15	16QAM	36	20	20.00	20.17	20.02	22.00
15	16QAM	36	39	20.00	20.19	20.00	22.00
15	16QAM	75	0	20.07	20.28	20.04	22.00
15	64QAM	1	0	20.11	20.46	20.02	22.00
15	64QAM	1	37	20.28	20.46	20.21	22.00
15	64QAM	1	74	20.29	20.55	20.30	22.00
15	64QAM	36	0	19.00	19.26	19.00	21.00
15	64QAM	36	20	19.00	19.20	19.00	21.00
15	64QAM	36	39	19.02	19.15	19.01	21.00
15	64QAM	75	0	19.02	19.18	19.01	21.00
15	256QAM	1	0	17.00	17.28	17.00	19.00
15	256QAM	1	37	17.26	17.37	17.18	19.00
15	256QAM	1	74	17.14	17.46	17.21	19.00
15	256QAM	36	0	17.02	17.16	17.04	19.00
15	256QAM	36	20	17.01	17.25	17.00	19.00
15	256QAM	36	39	17.01	17.22	17.04	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.24	22.28	22.21	24.00
10	QPSK	1	25	22.01	22.16	22.01	24.00
10	QPSK	1	49	22.07	22.32	22.03	24.00
10	QPSK	25	0	21.02	21.26	21.00	23.00
10	QPSK	25	12	21.00	21.29	21.01	23.00
10	QPSK	25	25	21.07	21.21	21.01	23.00
10	QPSK	50	0	21.00	21.30	21.01	23.00
10	16QAM	1	0	21.30	21.48	21.36	23.00
10	16QAM	1	25	21.20	21.62	21.25	23.00



10	16QAM	1	49	21.33	21.69	21.32	23.00
10	16QAM	25	0	20.00	20.18	20.01	22.00
10	16QAM	25	12	20.00	20.24	20.00	22.00
10	16QAM	25	25	20.00	20.23	20.01	22.00
10	16QAM	50	0	20.11	20.27	20.01	22.00
10	64QAM	1	0	20.17	20.42	20.14	22.00
10	64QAM	1	25	20.25	20.37	20.18	22.00
10	64QAM	1	49	20.31	20.48	20.35	22.00
10	64QAM	25	0	19.06	19.22	19.00	21.00
10	64QAM	25	12	19.00	19.19	19.00	21.00
10	64QAM	25	25	19.01	19.21	19.00	21.00
10	64QAM	50	0	19.02	19.15	19.00	21.00
10	256QAM	1	0	17.01	17.32	17.00	19.00
10	256QAM	1	25	17.24	17.47	17.20	19.00
10	256QAM	1	49	17.13	17.44	17.13	19.00
10	256QAM	25	0	17.01	17.13	17.00	19.00
10	256QAM	25	12	17.08	17.27	17.00	19.00
10	256QAM	25	25	17.00	17.24	17.06	19.00
10	256QAM	50	0	17.00	17.21	17.01	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.18	22.27	22.19	24.00
5	QPSK	1	12	22.01	22.26	22.00	24.00
5	QPSK	1	24	22.05	22.40	22.04	24.00
5	QPSK	12	0	21.08	21.30	21.00	23.00
5	QPSK	12	7	21.00	21.30	21.08	23.00
5	QPSK	12	13	21.01	21.28	21.00	23.00
5	QPSK	25	0	21.02	21.26	21.01	23.00
5	16QAM	1	0	21.23	21.58	21.34	23.00
5	16QAM	1	12	21.27	21.53	21.27	23.00
5	16QAM	1	24	21.34	21.60	21.29	23.00
5	16QAM	12	0	20.00	20.23	20.00	22.00
5	16QAM	12	7	20.02	20.17	20.01	22.00
5	16QAM	12	13	20.06	20.17	20.00	22.00
5	16QAM	25	0	20.07	20.16	20.01	22.00
5	64QAM	1	0	20.18	20.45	20.02	22.00
5	64QAM	1	12	20.26	20.44	20.15	22.00
5	64QAM	1	24	20.35	20.52	20.33	22.00
5	64QAM	12	0	19.01	19.25	19.00	21.00
5	64QAM	12	7	19.00	19.17	19.00	21.00
5	64QAM	12	13	19.00	19.22	19.01	21.00
5	64QAM	25	0	19.01	19.18	19.00	21.00
5	256QAM	1	0	17.06	17.32	17.01	19.00
5	256QAM	1	12	17.25	17.47	17.13	19.00
5	256QAM	1	24	17.20	17.43	17.21	19.00
5	256QAM	12	0	17.02	17.13	17.01	19.00
5	256QAM	12	7	17.10	17.22	17.01	19.00
5	256QAM	12	13	17.06	17.29	17.00	19.00
5	256QAM	25	0	17.01	17.27	17.00	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.21	22.19	22.18	24.00
3	QPSK	1	8	22.02	22.27	22.02	24.00
3	QPSK	1	14	22.07	22.36	22.04	24.00
3	QPSK	8	0	21.04	21.37	21.00	23.00
3	QPSK	8	4	21.00	21.29	21.04	23.00
3	QPSK	8	7	21.03	21.30	21.00	23.00
3	QPSK	15	0	21.01	21.27	21.01	23.00
3	16QAM	1	0	21.24	21.53	21.27	23.00
3	16QAM	1	8	21.26	21.60	21.28	23.00
3	16QAM	1	14	21.36	21.66	21.27	23.00
3	16QAM	8	0	20.00	20.22	20.00	22.00
3	16QAM	8	4	20.00	20.26	20.03	22.00
3	16QAM	8	7	20.02	20.19	20.07	22.00
3	16QAM	15	0	20.07	20.24	20.00	22.00
3	64QAM	1	0	20.15	20.41	20.01	22.00
3	64QAM	1	8	20.27	20.48	20.20	22.00
3	64QAM	1	14	20.27	20.52	20.38	22.00
3	64QAM	8	0	19.00	19.17	19.00	21.00
3	64QAM	8	4	19.00	19.23	19.00	21.00
3	64QAM	8	7	19.01	19.17	19.01	21.00
3	64QAM	15	0	19.03	19.23	19.00	21.00
3	256QAM	1	0	17.12	17.20	17.00	19.00
3	256QAM	1	8	17.24	17.38	17.11	19.00
3	256QAM	1	14	17.16	17.42	17.16	19.00
3	256QAM	8	0	17.01	17.18	17.00	19.00
3	256QAM	8	4	17.11	17.25	17.04	19.00
3	256QAM	8	7	17.07	17.26	17.00	19.00



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3	256QAM	15	0	17.00	17.27	17.03	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.26	22.23	22.17	24.00
1.4	QPSK	1	3	22.01	22.23	22.02	24.00
1.4	QPSK	1	5	22.03	22.31	22.09	24.00
1.4	QPSK	3	0	22.06	22.29	22.05	24.00
1.4	QPSK	3	1	22.01	22.25	22.04	24.00
1.4	QPSK	3	3	22.01	22.32	22.04	24.00
1.4	QPSK	6	0	21.06	21.21	21.00	23.00
1.4	16QAM	1	0	21.26	21.48	21.25	23.00
1.4	16QAM	1	3	21.34	21.61	21.36	23.00
1.4	16QAM	1	5	21.38	21.60	21.36	23.00
1.4	16QAM	3	0	21.00	21.22	21.01	23.00
1.4	16QAM	3	1	21.01	21.20	21.00	23.00
1.4	16QAM	3	3	21.01	21.27	21.00	23.00
1.4	16QAM	6	0	20.11	20.20	20.05	22.00
1.4	64QAM	1	0	20.08	20.34	20.04	22.00
1.4	64QAM	1	3	20.15	20.40	20.17	22.00
1.4	64QAM	1	5	20.25	20.49	20.26	22.00
1.4	64QAM	3	0	20.00	20.25	20.02	22.00
1.4	64QAM	3	1	20.00	20.24	20.01	22.00
1.4	64QAM	3	3	20.02	20.17	20.01	22.00
1.4	64QAM	6	0	19.04	19.19	19.00	21.00
1.4	256QAM	1	0	17.12	17.21	17.00	19.00
1.4	256QAM	1	3	17.22	17.45	17.13	19.00
1.4	256QAM	1	5	17.15	17.40	17.19	19.00
1.4	256QAM	3	0	17.02	17.23	17.00	19.00
1.4	256QAM	3	1	17.00	17.21	17.00	19.00
1.4	256QAM	3	3	17.01	17.30	17.07	19.00
1.4	256QAM	6	0	17.00	17.19	17.02	19.00

【LTE Band 4_Ant 0_ECI 2-1】

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	23.22	23.07	24.00
20	QPSK	1	49	23.12	23.19	22.96	24.00
20	QPSK	1	99	23.13	23.05	23.00	24.00
20	QPSK	50	0	22.22	22.23	22.17	23.00
20	QPSK	50	24	22.20	22.18	22.12	23.00
20	QPSK	50	50	22.20	22.16	22.13	23.00
20	QPSK	100	0	22.12	22.19	22.18	23.00
20	16QAM	1	0	22.13	22.22	22.07	23.00
20	16QAM	1	49	22.22	22.26	22.14	23.00
20	16QAM	1	99	22.15	22.20	22.11	23.00
20	16QAM	50	0	21.17	21.26	21.11	22.00
20	16QAM	50	24	21.19	21.26	21.17	22.00
20	16QAM	50	50	21.22	21.20	21.11	22.00
20	16QAM	100	0	21.06	21.23	21.18	22.00
20	64QAM	1	0	21.17	21.25	21.01	22.00
20	64QAM	1	49	21.12	21.30	21.08	22.00
20	64QAM	1	99	21.20	21.22	21.02	22.00
20	64QAM	50	0	20.21	20.26	20.06	21.00
20	64QAM	50	24	20.15	20.23	20.15	21.00
20	64QAM	50	50	20.14	20.33	20.05	21.00
20	64QAM	100	0	20.20	20.25	20.02	21.00
20	256QAM	1	0	18.22	18.27	18.20	19.00
20	256QAM	1	49	18.07	18.23	18.09	19.00
20	256QAM	1	99	18.10	18.16	18.13	19.00
20	256QAM	50	0	18.24	18.12	18.11	19.00
20	256QAM	50	24	18.13	18.23	18.15	19.00
20	256QAM	50	50	18.10	18.20	18.15	19.00
20	256QAM	100	0	18.11	18.29	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.16	22.96	24.00
15	QPSK	1	37	22.97	23.13	22.94	24.00
15	QPSK	1	74	23.07	23.04	22.99	24.00
15	QPSK	36	0	22.11	22.20	22.07	23.00
15	QPSK	36	20	22.14	22.14	22.00	23.00



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15	QPSK	36	39	22.14	22.14	22.08	23.00
15	QPSK	75	0	21.98	22.13	22.11	23.00
15	16QAM	1	0	22.09	22.16	22.05	23.00
15	16QAM	1	37	22.07	22.18	22.06	23.00
15	16QAM	1	74	22.01	22.11	21.96	23.00
15	16QAM	36	0	21.15	21.15	21.08	22.00
15	16QAM	36	20	21.10	21.18	21.16	22.00
15	16QAM	36	39	21.19	21.15	21.04	22.00
15	16QAM	75	0	21.03	21.10	21.07	22.00
15	64QAM	1	0	21.05	21.23	20.96	22.00
15	64QAM	1	37	21.05	21.28	21.01	22.00
15	64QAM	1	74	21.16	21.15	21.01	22.00
15	64QAM	36	0	20.13	20.21	19.92	21.00
15	64QAM	36	20	20.11	20.18	20.09	21.00
15	64QAM	36	39	19.99	20.20	20.03	21.00
15	64QAM	75	0	20.11	20.14	19.91	21.00
15	256QAM	1	0	18.11	18.14	18.09	19.00
15	256QAM	1	37	17.92	18.21	18.00	19.00
15	256QAM	1	74	17.99	18.12	18.07	19.00
15	256QAM	36	0	18.15	18.05	17.99	19.00
15	256QAM	36	20	18.11	18.17	18.09	19.00
15	256QAM	36	39	18.04	18.10	18.05	19.00
15	256QAM	75	0	17.98	18.19	18.08	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.13	23.10	22.95	24.00
10	QPSK	1	25	23.02	23.11	22.88	24.00
10	QPSK	1	49	23.10	22.95	22.87	24.00
10	QPSK	25	0	22.15	22.10	22.07	23.00
10	QPSK	25	12	22.08	22.17	21.97	23.00
10	QPSK	25	25	22.14	22.13	22.12	23.00
10	QPSK	50	0	22.07	22.17	22.13	23.00
10	16QAM	1	0	21.99	22.21	21.99	23.00
10	16QAM	1	25	22.17	22.16	22.04	23.00
10	16QAM	1	49	22.11	22.15	22.06	23.00
10	16QAM	25	0	21.13	21.14	21.04	22.00
10	16QAM	25	12	21.14	21.11	21.03	22.00
10	16QAM	25	25	21.11	21.15	21.07	22.00
10	16QAM	50	0	21.03	21.14	21.15	22.00
10	64QAM	1	0	21.10	21.13	20.96	22.00
10	64QAM	1	25	21.09	21.24	21.06	22.00
10	64QAM	1	49	21.08	21.19	20.95	22.00
10	64QAM	25	0	20.06	20.23	19.96	21.00
10	64QAM	25	12	20.11	20.09	20.13	21.00
10	64QAM	25	25	20.00	20.28	19.94	21.00
10	64QAM	50	0	20.07	20.15	19.90	21.00
10	256QAM	1	0	18.13	18.17	18.05	19.00
10	256QAM	1	25	18.03	18.09	18.02	19.00
10	256QAM	1	49	18.03	18.05	18.00	19.00
10	256QAM	25	0	18.13	18.09	18.07	19.00
10	256QAM	25	12	18.11	18.16	18.00	19.00
10	256QAM	25	25	18.03	18.05	18.00	19.00
10	256QAM	50	0	18.01	18.27	17.97	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.09	23.18	22.95	24.00
5	QPSK	1	12	23.06	23.17	22.85	24.00
5	QPSK	1	24	23.02	23.01	22.90	24.00
5	QPSK	12	0	22.18	22.14	22.11	23.00
5	QPSK	12	7	22.11	22.10	22.00	23.00
5	QPSK	12	13	22.12	22.04	21.99	23.00
5	QPSK	25	0	21.97	22.12	22.13	23.00
5	16QAM	1	0	22.08	22.18	21.95	23.00
5	16QAM	1	12	22.17	22.14	22.04	23.00
5	16QAM	1	24	22.01	22.10	22.09	23.00
5	16QAM	12	0	21.11	21.20	21.02	22.00
5	16QAM	12	7	21.12	21.21	21.05	22.00
5	16QAM	12	13	21.18	21.05	21.06	22.00
5	16QAM	25	0	20.94	21.20	21.05	22.00
5	64QAM	1	0	21.12	21.18	20.96	22.00
5	64QAM	1	12	21.10	21.21	21.01	22.00
5	64QAM	1	24	21.13	21.15	20.92	22.00
5	64QAM	12	0	20.16	20.19	19.97	21.00
5	64QAM	12	7	20.04	20.14	20.04	21.00
5	64QAM	12	13	20.09	20.27	19.95	21.00
5	64QAM	25	0	20.08	20.23	19.97	21.00
5	256QAM	1	0	18.18	18.19	18.12	19.00
5	256QAM	1	12	17.99	18.12	18.02	19.00



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5	256QAM	1	24	18.05	18.05	18.05	19.00
5	256QAM	12	0	18.15	18.02	18.00	19.00
5	256QAM	12	7	18.08	18.19	18.03	19.00
5	256QAM	12	13	17.96	18.17	18.11	19.00
5	256QAM	25	0	18.02	18.21	17.96	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.02	23.19	23.04	24.00
3	QPSK	1	8	22.99	23.14	22.81	24.00
3	QPSK	1	14	23.02	23.00	22.97	24.00
3	QPSK	8	0	22.14	22.15	22.08	23.00
3	QPSK	8	4	22.16	22.06	22.05	23.00
3	QPSK	8	7	22.13	22.11	22.02	23.00
3	QPSK	15	0	22.06	22.12	22.05	23.00
3	16QAM	1	0	22.03	22.20	22.04	23.00
3	16QAM	1	8	22.10	22.17	22.07	23.00
3	16QAM	1	14	22.07	22.11	22.09	23.00
3	16QAM	8	0	21.09	21.23	20.99	22.00
3	16QAM	8	4	21.09	21.20	21.10	22.00
3	16QAM	8	7	21.17	21.16	20.98	22.00
3	16QAM	15	0	20.91	21.21	21.17	22.00
3	64QAM	1	0	21.10	21.10	20.86	22.00
3	64QAM	1	8	21.00	21.19	21.06	22.00
3	64QAM	1	14	21.10	21.18	20.94	22.00
3	64QAM	8	0	20.10	20.14	19.95	21.00
3	64QAM	8	4	20.06	20.10	20.05	21.00
3	64QAM	8	7	20.04	20.25	19.97	21.00
3	64QAM	15	0	20.07	20.12	19.88	21.00
3	256QAM	1	0	18.16	18.16	18.09	19.00
3	256QAM	1	8	18.04	18.14	17.97	19.00
3	256QAM	1	14	18.02	18.13	17.99	19.00
3	256QAM	8	0	18.21	18.02	18.07	19.00
3	256QAM	8	4	17.99	18.18	18.13	19.00
3	256QAM	8	7	17.98	18.16	18.04	19.00
3	256QAM	15	0	18.06	18.23	18.08	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.04	23.17	22.98	24.00
1.4	QPSK	1	3	23.05	23.14	22.89	24.00
1.4	QPSK	1	5	22.99	23.01	22.98	24.00
1.4	QPSK	3	0	23.10	23.10	23.13	24.00
1.4	QPSK	3	1	23.16	23.05	23.04	24.00
1.4	QPSK	3	3	23.07	23.12	23.02	24.00
1.4	QPSK	6	0	22.11	22.08	22.11	23.00
1.4	16QAM	1	0	22.05	22.16	21.94	23.00
1.4	16QAM	1	3	22.15	22.21	22.04	23.00
1.4	16QAM	1	5	22.03	22.16	21.98	23.00
1.4	16QAM	3	0	22.02	22.14	22.08	23.00
1.4	16QAM	3	1	22.10	22.12	22.03	23.00
1.4	16QAM	3	3	22.13	22.10	22.03	23.00
1.4	16QAM	6	0	21.04	21.16	21.15	22.00
1.4	64QAM	1	0	21.12	21.13	20.90	22.00
1.4	64QAM	1	3	21.06	21.22	21.06	22.00
1.4	64QAM	1	5	21.13	21.16	20.95	22.00
1.4	64QAM	3	0	21.11	21.22	20.99	22.00
1.4	64QAM	3	1	21.11	21.09	21.11	22.00
1.4	64QAM	3	3	21.05	21.26	20.97	22.00
1.4	64QAM	6	0	20.07	20.16	19.94	21.00
1.4	256QAM	1	0	18.14	18.16	18.15	19.00
1.4	256QAM	1	3	17.92	18.08	18.04	19.00
1.4	256QAM	1	5	17.96	18.14	17.98	19.00
1.4	256QAM	3	0	18.10	18.06	18.09	19.00
1.4	256QAM	3	1	18.08	18.13	18.02	19.00
1.4	256QAM	3	3	18.09	18.09	18.04	19.00
1.4	256QAM	6	0	18.06	18.24	18.08	19.00

**【LTE Band 4_Ant 0_ECI 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	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.76	16.85	16.79	17.90
20	QPSK	1	49	16.69	16.67	16.70	17.90
20	QPSK	1	99	16.65	16.74	16.74	17.90
20	QPSK	50	0	16.74	16.80	16.78	17.90
20	QPSK	50	24	16.72	16.75	16.76	17.90
20	QPSK	50	50	16.71	16.76	16.73	17.90
20	QPSK	100	0	16.68	16.76	16.73	17.90
20	16QAM	1	0	16.75	16.71	16.69	17.90
20	16QAM	1	49	16.72	16.70	16.70	17.90
20	16QAM	1	99	16.67	16.72	16.69	17.90
20	16QAM	50	0	16.68	16.68	16.76	17.90
20	16QAM	50	24	16.75	16.71	16.72	17.90
20	16QAM	50	50	16.72	16.66	16.69	17.90
20	16QAM	100	0	16.70	16.77	16.73	17.90
20	64QAM	1	0	16.73	16.76	16.67	17.90
20	64QAM	1	49	16.71	16.76	16.74	17.90
20	64QAM	1	99	16.74	16.77	16.72	17.90
20	64QAM	50	0	16.73	16.70	16.65	17.90
20	64QAM	50	24	16.75	16.66	16.75	17.90
20	64QAM	50	50	16.73	16.70	16.76	17.90
20	64QAM	100	0	16.76	16.75	16.73	17.90
20	256QAM	1	0	16.65	16.70	16.74	17.90
20	256QAM	1	49	16.76	16.66	16.76	17.90
20	256QAM	1	99	16.69	16.69	16.74	17.90
20	256QAM	50	0	16.71	16.73	16.75	17.90
20	256QAM	50	24	16.73	16.66	16.68	17.90
20	256QAM	50	50	16.71	16.70	16.69	17.90
20	256QAM	100	0	16.77	16.69	16.76	17.90
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.69	16.77	16.76	17.90
15	QPSK	1	37	16.66	16.55	16.55	17.90
15	QPSK	1	74	16.63	16.71	16.61	17.90
15	QPSK	36	0	16.71	16.75	16.71	17.90
15	QPSK	36	20	16.58	16.65	16.63	17.90
15	QPSK	36	39	16.67	16.68	16.63	17.90
15	QPSK	75	0	16.54	16.65	16.59	17.90
15	16QAM	1	0	16.68	16.67	16.57	17.90
15	16QAM	1	37	16.65	16.63	16.63	17.90
15	16QAM	1	74	16.62	16.60	16.60	17.90
15	16QAM	36	0	16.57	16.66	16.74	17.90
15	16QAM	36	20	16.72	16.65	16.61	17.90
15	16QAM	36	39	16.68	16.61	16.55	17.90
15	16QAM	75	0	16.62	16.64	16.67	17.90
15	64QAM	1	0	16.68	16.64	16.63	17.90
15	64QAM	1	37	16.69	16.68	16.59	17.90
15	64QAM	1	74	16.66	16.71	16.70	17.90
15	64QAM	36	0	16.64	16.66	16.53	17.90
15	64QAM	36	20	16.73	16.62	16.63	17.90
15	64QAM	36	39	16.63	16.63	16.67	17.90
15	64QAM	75	0	16.68	16.65	16.70	17.90
15	256QAM	1	0	16.51	16.57	16.64	17.90
15	256QAM	1	37	16.64	16.53	16.64	17.90
15	256QAM	1	74	16.56	16.58	16.65	17.90
15	256QAM	36	0	16.63	16.62	16.68	17.90
15	256QAM	36	20	16.71	16.59	16.54	17.90
15	256QAM	36	39	16.69	16.61	16.59	17.90
15	256QAM	75	0	16.69	16.58	16.68	17.90
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.73	16.72	16.73	17.90
10	QPSK	1	25	16.61	16.64	16.60	17.90
10	QPSK	1	49	16.57	16.65	16.69	17.90
10	QPSK	25	0	16.66	16.71	16.70	17.90
10	QPSK	25	12	16.60	16.67	16.68	17.90
10	QPSK	25	25	16.69	16.74	16.60	17.90
10	QPSK	50	0	16.65	16.63	16.65	17.90
10	16QAM	1	0	16.61	16.60	16.66	17.90
10	16QAM	1	25	16.65	16.67	16.57	17.90



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10	16QAM	1	49	16.59	16.59	16.60	17.90
10	16QAM	25	0	16.56	16.64	16.67	17.90
10	16QAM	25	12	16.67	16.57	16.70	17.90
10	16QAM	25	25	16.59	16.60	16.56	17.90
10	16QAM	50	0	16.62	16.65	16.65	17.90
10	64QAM	1	0	16.66	16.64	16.57	17.90
10	64QAM	1	25	16.63	16.70	16.70	17.90
10	64QAM	1	49	16.62	16.71	16.66	17.90
10	64QAM	25	0	16.59	16.69	16.55	17.90
10	64QAM	25	12	16.60	16.61	16.64	17.90
10	64QAM	25	25	16.59	16.61	16.63	17.90
10	64QAM	50	0	16.74	16.72	16.62	17.90
10	256QAM	1	0	16.52	16.57	16.69	17.90
10	256QAM	1	25	16.64	16.61	16.73	17.90
10	256QAM	1	49	16.59	16.62	16.65	17.90
10	256QAM	25	0	16.57	16.66	16.72	17.90
10	256QAM	25	12	16.71	16.60	16.58	17.90
10	256QAM	25	25	16.69	16.55	16.67	17.90
10	256QAM	50	0	16.65	16.56	16.74	17.90
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.70	16.82	16.76	17.90
5	QPSK	1	12	16.68	16.56	16.55	17.90
5	QPSK	1	24	16.60	16.67	16.69	17.90
5	QPSK	12	0	16.61	16.75	16.71	17.90
5	QPSK	12	7	16.61	16.66	16.74	17.90
5	QPSK	12	13	16.70	16.69	16.60	17.90
5	QPSK	25	0	16.67	16.73	16.66	17.90
5	16QAM	1	0	16.63	16.69	16.57	17.90
5	16QAM	1	12	16.69	16.61	16.67	17.90
5	16QAM	1	24	16.61	16.60	16.65	17.90
5	16QAM	12	0	16.55	16.56	16.66	17.90
5	16QAM	12	7	16.67	16.59	16.65	17.90
5	16QAM	12	13	16.66	16.59	16.63	17.90
5	16QAM	25	0	16.69	16.74	16.68	17.90
5	64QAM	1	0	16.63	16.67	16.61	17.90
5	64QAM	1	12	16.62	16.65	16.69	17.90
5	64QAM	1	24	16.61	16.67	16.65	17.90
5	64QAM	12	0	16.70	16.60	16.64	17.90
5	64QAM	12	7	16.72	16.60	16.61	17.90
5	64QAM	12	13	16.65	16.62	16.61	17.90
5	64QAM	25	0	16.71	16.72	16.64	17.90
5	256QAM	1	0	16.56	16.56	16.70	17.90
5	256QAM	1	12	16.67	16.62	16.71	17.90
5	256QAM	1	24	16.62	16.55	16.61	17.90
5	256QAM	12	0	16.61	16.63	16.68	17.90
5	256QAM	12	7	16.63	16.60	16.54	17.90
5	256QAM	12	13	16.63	16.68	16.57	17.90
5	256QAM	25	0	16.64	16.58	16.68	17.90
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.66	16.75	16.69	17.90
3	QPSK	1	8	16.57	16.53	16.60	17.90
3	QPSK	1	14	16.63	16.69	16.60	17.90
3	QPSK	8	0	16.69	16.66	16.74	17.90
3	QPSK	8	4	16.59	16.70	16.65	17.90
3	QPSK	8	7	16.66	16.72	16.63	17.90
3	QPSK	15	0	16.60	16.64	16.59	17.90
3	16QAM	1	0	16.61	16.62	16.62	17.90
3	16QAM	1	8	16.61	16.55	16.66	17.90
3	16QAM	1	14	16.64	16.69	16.61	17.90
3	16QAM	8	0	16.53	16.54	16.70	17.90
3	16QAM	8	4	16.63	16.60	16.62	17.90
3	16QAM	8	7	16.65	16.60	16.65	17.90
3	16QAM	15	0	16.55	16.62	16.65	17.90
3	64QAM	1	0	16.63	16.71	16.58	17.90
3	64QAM	1	8	16.57	16.63	16.61	17.90
3	64QAM	1	14	16.67	16.75	16.69	17.90
3	64QAM	8	0	16.68	16.63	16.58	17.90
3	64QAM	8	4	16.62	16.52	16.67	17.90
3	64QAM	8	7	16.70	16.66	16.66	17.90
3	64QAM	15	0	16.65	16.67	16.59	17.90
3	256QAM	1	0	16.60	16.58	16.64	17.90
3	256QAM	1	8	16.68	16.62	16.62	17.90
3	256QAM	1	14	16.62	16.64	16.73	17.90
3	256QAM	8	0	16.59	16.58	16.72	17.90
3	256QAM	8	4	16.64	16.51	16.64	17.90
3	256QAM	8	7	16.58	16.56	16.56	17.90



3	256QAM	15	0	16.74	16.57	16.62	17.90
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.72	16.72	16.71	17.90
1.4	QPSK	1	3	16.66	16.54	16.67	17.90
1.4	QPSK	1	5	16.60	16.72	16.67	17.90
1.4	QPSK	3	0	16.69	16.67	16.67	17.90
1.4	QPSK	3	1	16.64	16.73	16.66	17.90
1.4	QPSK	3	3	16.63	16.62	16.66	17.90
1.4	QPSK	6	0	16.53	16.68	16.71	17.90
1.4	16QAM	1	0	16.73	16.61	16.66	17.90
1.4	16QAM	1	3	16.60	16.65	16.67	17.90
1.4	16QAM	1	5	16.55	16.70	16.62	17.90
1.4	16QAM	3	0	16.63	16.55	16.61	17.90
1.4	16QAM	3	1	16.60	16.66	16.70	17.90
1.4	16QAM	3	3	16.70	16.55	16.60	17.90
1.4	16QAM	6	0	16.67	16.71	16.60	17.90
1.4	64QAM	1	0	16.58	16.70	16.56	17.90
1.4	64QAM	1	3	16.60	16.68	16.60	17.90
1.4	64QAM	1	5	16.66	16.72	16.65	17.90
1.4	64QAM	3	0	16.70	16.59	16.51	17.90
1.4	64QAM	3	1	16.65	16.62	16.63	17.90
1.4	64QAM	3	3	16.70	16.65	16.72	17.90
1.4	64QAM	6	0	16.69	16.72	16.67	17.90
1.4	256QAM	1	0	16.53	16.59	16.71	17.90
1.4	256QAM	1	3	16.69	16.55	16.70	17.90
1.4	256QAM	1	5	16.56	16.62	16.63	17.90
1.4	256QAM	3	0	16.62	16.63	16.66	17.90
1.4	256QAM	3	1	16.60	16.59	16.53	17.90
1.4	256QAM	3	3	16.66	16.61	16.63	17.90
1.4	256QAM	6	0	16.62	16.54	16.65	17.90

【LTE Band 4_Ant 0_ECI 3-1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.53	16.65	16.46	17.90
20	QPSK	1	49	16.51	16.59	16.42	17.90
20	QPSK	1	99	16.58	16.46	16.43	17.90
20	QPSK	50	0	16.58	16.62	16.48	17.90
20	QPSK	50	24	16.55	16.60	16.37	17.90
20	QPSK	50	50	16.49	16.50	16.32	17.90
20	QPSK	100	0	16.48	16.53	16.40	17.90
20	16QAM	1	0	16.43	16.50	16.41	17.90
20	16QAM	1	49	16.48	16.53	16.37	17.90
20	16QAM	1	99	16.47	16.64	16.38	17.90
20	16QAM	50	0	16.51	16.54	16.41	17.90
20	16QAM	50	24	16.48	16.62	16.42	17.90
20	16QAM	50	50	16.42	16.57	16.44	17.90
20	16QAM	100	0	16.46	16.53	16.35	17.90
20	64QAM	1	0	16.46	16.53	16.39	17.90
20	64QAM	1	49	16.51	16.62	16.37	17.90
20	64QAM	1	99	16.53	16.51	16.39	17.90
20	64QAM	50	0	16.50	16.67	16.30	17.90
20	64QAM	50	24	16.47	16.59	16.33	17.90
20	64QAM	50	50	16.43	16.56	16.34	17.90
20	64QAM	100	0	16.47	16.56	16.35	17.90
20	256QAM	1	0	16.39	16.53	16.38	17.90
20	256QAM	1	49	16.38	16.65	16.37	17.90
20	256QAM	1	99	16.47	16.57	16.37	17.90
20	256QAM	50	0	16.42	16.62	16.29	17.90
20	256QAM	50	24	16.47	16.53	16.37	17.90
20	256QAM	50	50	16.56	16.53	16.39	17.90
20	256QAM	100	0	16.49	16.56	16.34	17.90
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.50	16.63	16.44	17.90
15	QPSK	1	37	16.39	16.47	16.36	17.90
15	QPSK	1	74	16.44	16.39	16.42	17.90
15	QPSK	36	0	16.47	16.48	16.44	17.90
15	QPSK	36	20	16.46	16.47	16.24	17.90



15	QPSK	36	39	16.45	16.48	16.29	17.90
15	QPSK	75	0	16.34	16.43	16.29	17.90
15	16QAM	1	0	16.37	16.36	16.38	17.90
15	16QAM	1	37	16.39	16.51	16.28	17.90
15	16QAM	1	74	16.36	16.59	16.34	17.90
15	16QAM	36	0	16.36	16.49	16.35	17.90
15	16QAM	36	20	16.44	16.48	16.28	17.90
15	16QAM	36	39	16.37	16.47	16.39	17.90
15	16QAM	75	0	16.32	16.51	16.27	17.90
15	64QAM	1	0	16.38	16.40	16.30	17.90
15	64QAM	1	37	16.38	16.48	16.31	17.90
15	64QAM	1	74	16.48	16.40	16.27	17.90
15	64QAM	36	0	16.47	16.63	16.21	17.90
15	64QAM	36	20	16.37	16.52	16.22	17.90
15	64QAM	36	39	16.31	16.46	16.20	17.90
15	64QAM	75	0	16.43	16.49	16.21	17.90
15	256QAM	1	0	16.30	16.45	16.36	17.90
15	256QAM	1	37	16.32	16.53	16.23	17.90
15	256QAM	1	74	16.45	16.42	16.30	17.90
15	256QAM	36	0	16.28	16.49	16.24	17.90
15	256QAM	36	20	16.34	16.41	16.23	17.90
15	256QAM	36	39	16.47	16.50	16.27	17.90
15	256QAM	75	0	16.43	16.43	16.29	17.90
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.44	16.55	16.33	17.90
10	QPSK	1	25	16.41	16.51	16.33	17.90
10	QPSK	1	49	16.44	16.39	16.30	17.90
10	QPSK	25	0	16.52	16.58	16.45	17.90
10	QPSK	25	12	16.45	16.49	16.32	17.90
10	QPSK	25	25	16.45	16.42	16.29	17.90
10	QPSK	50	0	16.37	16.39	16.30	17.90
10	16QAM	1	0	16.35	16.49	16.36	17.90
10	16QAM	1	25	16.37	16.40	16.30	17.90
10	16QAM	1	49	16.40	16.61	16.30	17.90
10	16QAM	25	0	16.46	16.40	16.26	17.90
10	16QAM	25	12	16.46	16.57	16.35	17.90
10	16QAM	25	25	16.39	16.49	16.43	17.90
10	16QAM	50	0	16.35	16.42	16.24	17.90
10	64QAM	1	0	16.36	16.45	16.27	17.90
10	64QAM	1	25	16.45	16.54	16.30	17.90
10	64QAM	1	49	16.43	16.40	16.36	17.90
10	64QAM	25	0	16.46	16.57	16.28	17.90
10	64QAM	25	12	16.38	16.58	16.25	17.90
10	64QAM	25	25	16.42	16.52	16.21	17.90
10	64QAM	50	0	16.34	16.46	16.23	17.90
10	256QAM	1	0	16.27	16.47	16.24	17.90
10	256QAM	1	25	16.26	16.60	16.32	17.90
10	256QAM	1	49	16.44	16.48	16.29	17.90
10	256QAM	25	0	16.33	16.60	16.22	17.90
10	256QAM	25	12	16.45	16.46	16.35	17.90
10	256QAM	25	25	16.52	16.39	16.25	17.90
10	256QAM	50	0	16.39	16.49	16.20	17.90
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.39	16.57	16.44	17.90
5	QPSK	1	12	16.41	16.48	16.39	17.90
5	QPSK	1	24	16.55	16.33	16.29	17.90
5	QPSK	12	0	16.51	16.52	16.35	17.90
5	QPSK	12	7	16.50	16.55	16.30	17.90
5	QPSK	12	13	16.47	16.40	16.31	17.90
5	QPSK	25	0	16.39	16.51	16.26	17.90
5	16QAM	1	0	16.31	16.40	16.28	17.90
5	16QAM	1	12	16.36	16.43	16.34	17.90
5	16QAM	1	24	16.36	16.50	16.28	17.90
5	16QAM	12	0	16.48	16.47	16.32	17.90
5	16QAM	12	7	16.39	16.60	16.40	17.90
5	16QAM	12	13	16.30	16.45	16.40	17.90
5	16QAM	25	0	16.36	16.42	16.27	17.90
5	64QAM	1	0	16.40	16.38	16.24	17.90
5	64QAM	1	12	16.39	16.60	16.35	17.90
5	64QAM	1	24	16.38	16.43	16.32	17.90
5	64QAM	12	0	16.46	16.58	16.28	17.90
5	64QAM	12	7	16.40	16.46	16.31	17.90
5	64QAM	12	13	16.39	16.50	16.26	17.90
5	64QAM	25	0	16.37	16.54	16.24	17.90
5	256QAM	1	0	16.32	16.48	16.30	17.90
5	256QAM	1	12	16.31	16.57	16.34	17.90



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5	256QAM	1	24	16.45	16.51	16.25	17.90
5	256QAM	12	0	16.33	16.57	16.27	17.90
5	256QAM	12	7	16.35	16.44	16.34	17.90
5	256QAM	12	13	16.43	16.41	16.35	17.90
5	256QAM	25	0	16.47	16.43	16.31	17.90
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.48	16.54	16.41	17.90
3	QPSK	1	8	16.49	16.55	16.36	17.90
3	QPSK	1	14	16.55	16.40	16.29	17.90
3	QPSK	8	0	16.56	16.52	16.36	17.90
3	QPSK	8	4	16.40	16.52	16.34	17.90
3	QPSK	8	7	16.37	16.48	16.25	17.90
3	QPSK	15	0	16.44	16.40	16.36	17.90
3	16QAM	1	0	16.40	16.36	16.34	17.90
3	16QAM	1	8	16.39	16.42	16.30	17.90
3	16QAM	1	14	16.43	16.50	16.24	17.90
3	16QAM	8	0	16.50	16.53	16.37	17.90
3	16QAM	8	4	16.33	16.50	16.39	17.90
3	16QAM	8	7	16.31	16.45	16.32	17.90
3	16QAM	15	0	16.37	16.44	16.21	17.90
3	64QAM	1	0	16.38	16.41	16.36	17.90
3	64QAM	1	8	16.39	16.50	16.28	17.90
3	64QAM	1	14	16.45	16.44	16.38	17.90
3	64QAM	8	0	16.46	16.63	16.20	17.90
3	64QAM	8	4	16.35	16.48	16.18	17.90
3	64QAM	8	7	16.34	16.42	16.33	17.90
3	64QAM	15	0	16.41	16.49	16.34	17.90
3	256QAM	1	0	16.31	16.41	16.29	17.90
3	256QAM	1	8	16.25	16.60	16.31	17.90
3	256QAM	1	14	16.46	16.49	16.32	17.90
3	256QAM	8	0	16.27	16.54	16.17	17.90
3	256QAM	8	4	16.34	16.52	16.31	17.90
3	256QAM	8	7	16.50	16.40	16.31	17.90
3	256QAM	15	0	16.47	16.50	16.19	17.90
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.46	16.57	16.36	17.90
1.4	QPSK	1	3	16.48	16.47	16.33	17.90
1.4	QPSK	1	5	16.54	16.36	16.31	17.90
1.4	QPSK	3	0	16.55	16.56	16.44	17.90
1.4	QPSK	3	1	16.43	16.53	16.33	17.90
1.4	QPSK	3	3	16.43	16.48	16.19	17.90
1.4	QPSK	6	0	16.34	16.45	16.37	17.90
1.4	16QAM	1	0	16.31	16.46	16.30	17.90
1.4	16QAM	1	3	16.37	16.41	16.33	17.90
1.4	16QAM	1	5	16.39	16.59	16.37	17.90
1.4	16QAM	3	0	16.40	16.50	16.27	17.90
1.4	16QAM	3	1	16.39	16.57	16.34	17.90
1.4	16QAM	3	3	16.38	16.44	16.42	17.90
1.4	16QAM	6	0	16.33	16.47	16.33	17.90
1.4	64QAM	1	0	16.44	16.49	16.37	17.90
1.4	64QAM	1	3	16.45	16.60	16.33	17.90
1.4	64QAM	1	5	16.49	16.45	16.32	17.90
1.4	64QAM	3	0	16.36	16.64	16.19	17.90
1.4	64QAM	3	1	16.42	16.53	16.32	17.90
1.4	64QAM	3	3	16.41	16.46	16.22	17.90
1.4	64QAM	6	0	16.43	16.49	16.20	17.90
1.4	256QAM	1	0	16.30	16.51	16.28	17.90
1.4	256QAM	1	3	16.36	16.51	16.33	17.90
1.4	256QAM	1	5	16.38	16.55	16.30	17.90
1.4	256QAM	3	0	16.29	16.50	16.16	17.90
1.4	256QAM	3	1	16.36	16.49	16.33	17.90
1.4	256QAM	3	3	16.55	16.49	16.33	17.90
1.4	256QAM	6	0	16.48	16.54	16.25	17.90



【LTE Band 4_Ant 0_ECI 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	22.29	22.46	22.25	24.00
20	QPSK	1	49	22.00	22.29	22.03	24.00
20	QPSK	1	99	22.14	22.42	22.17	24.00
20	QPSK	50	0	21.09	21.38	21.11	23.00
20	QPSK	50	24	21.03	21.31	21.10	23.00
20	QPSK	50	50	21.10	21.33	21.07	23.00
20	QPSK	100	0	21.07	21.31	21.00	23.00
20	16QAM	1	0	21.38	21.63	21.40	23.00
20	16QAM	1	49	21.35	21.66	21.38	23.00
20	16QAM	1	99	21.47	21.72	21.38	23.00
20	16QAM	50	0	20.01	20.27	20.01	22.00
20	16QAM	50	24	20.01	20.29	20.04	22.00
20	16QAM	50	50	20.08	20.31	20.09	22.00
20	16QAM	100	0	20.14	20.31	20.09	22.00
20	64QAM	1	0	20.21	20.48	20.16	22.00
20	64QAM	1	49	20.29	20.51	20.30	22.00
20	64QAM	1	99	20.37	20.62	20.40	22.00
20	64QAM	50	0	19.08	19.29	19.02	21.00
20	64QAM	50	24	19.01	19.26	19.00	21.00
20	64QAM	50	50	19.03	19.29	19.02	21.00
20	64QAM	100	0	19.08	19.28	19.00	21.00
20	256QAM	1	0	17.14	17.35	17.06	19.00
20	256QAM	1	49	17.35	17.49	17.26	19.00
20	256QAM	1	99	17.23	17.48	17.25	19.00
20	256QAM	50	0	17.03	17.26	17.06	19.00
20	256QAM	50	24	17.13	17.28	17.05	19.00
20	256QAM	50	50	17.11	17.31	17.13	19.00
20	256QAM	100	0	17.06	17.30	17.08	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.16	22.28	22.12	24.00
15	QPSK	1	37	22.00	22.17	22.01	24.00
15	QPSK	1	74	22.09	22.30	22.03	24.00
15	QPSK	36	0	21.01	21.36	21.01	23.00
15	QPSK	36	20	21.02	21.16	21.07	23.00
15	QPSK	36	39	21.04	21.19	21.05	23.00
15	QPSK	75	0	21.06	21.21	21.01	23.00
15	16QAM	1	0	21.26	21.57	21.30	23.00
15	16QAM	1	37	21.22	21.51	21.34	23.00
15	16QAM	1	74	21.42	21.67	21.29	23.00
15	16QAM	36	0	20.01	20.19	20.00	22.00
15	16QAM	36	20	20.00	20.17	20.02	22.00
15	16QAM	36	39	20.00	20.19	20.00	22.00
15	16QAM	75	0	20.07	20.28	20.04	22.00
15	64QAM	1	0	20.11	20.46	20.02	22.00
15	64QAM	1	37	20.28	20.46	20.21	22.00
15	64QAM	1	74	20.29	20.55	20.30	22.00
15	64QAM	36	0	19.00	19.26	19.00	21.00
15	64QAM	36	20	19.00	19.20	19.00	21.00
15	64QAM	36	39	19.02	19.15	19.01	21.00
15	64QAM	75	0	19.02	19.18	19.01	21.00
15	256QAM	1	0	17.00	17.28	17.00	19.00
15	256QAM	1	37	17.26	17.37	17.18	19.00
15	256QAM	1	74	17.14	17.46	17.21	19.00
15	256QAM	36	0	17.02	17.16	17.04	19.00
15	256QAM	36	20	17.01	17.25	17.00	19.00
15	256QAM	36	39	17.01	17.22	17.04	19.00
15	256QAM	75	0	17.02	17.27	17.02	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.24	22.28	22.21	24.00
10	QPSK	1	25	22.01	22.16	22.01	24.00
10	QPSK	1	49	22.07	22.32	22.03	24.00
10	QPSK	25	0	21.02	21.26	21.00	23.00
10	QPSK	25	12	21.00	21.29	21.01	23.00
10	QPSK	25	25	21.07	21.21	21.01	23.00
10	QPSK	50	0	21.00	21.30	21.01	23.00
10	16QAM	1	0	21.30	21.48	21.36	23.00
10	16QAM	1	25	21.20	21.62	21.25	23.00



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10	16QAM	1	49	21.33	21.69	21.32	23.00
10	16QAM	25	0	20.00	20.18	20.01	22.00
10	16QAM	25	12	20.00	20.24	20.00	22.00
10	16QAM	25	25	20.00	20.23	20.01	22.00
10	16QAM	50	0	20.11	20.27	20.01	22.00
10	64QAM	1	0	20.17	20.42	20.14	22.00
10	64QAM	1	25	20.25	20.37	20.18	22.00
10	64QAM	1	49	20.31	20.48	20.35	22.00
10	64QAM	25	0	19.06	19.22	19.00	21.00
10	64QAM	25	12	19.00	19.19	19.00	21.00
10	64QAM	25	25	19.01	19.21	19.00	21.00
10	64QAM	50	0	19.02	19.15	19.00	21.00
10	256QAM	1	0	17.01	17.32	17.00	19.00
10	256QAM	1	25	17.24	17.47	17.20	19.00
10	256QAM	1	49	17.13	17.44	17.13	19.00
10	256QAM	25	0	17.01	17.13	17.00	19.00
10	256QAM	25	12	17.08	17.27	17.00	19.00
10	256QAM	25	25	17.00	17.24	17.06	19.00
10	256QAM	50	0	17.00	17.21	17.01	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.18	22.27	22.19	24.00
5	QPSK	1	12	22.01	22.26	22.00	24.00
5	QPSK	1	24	22.05	22.40	22.04	24.00
5	QPSK	12	0	21.08	21.30	21.00	23.00
5	QPSK	12	7	21.00	21.30	21.08	23.00
5	QPSK	12	13	21.01	21.28	21.00	23.00
5	QPSK	25	0	21.02	21.26	21.01	23.00
5	16QAM	1	0	21.23	21.58	21.34	23.00
5	16QAM	1	12	21.27	21.53	21.27	23.00
5	16QAM	1	24	21.34	21.60	21.29	23.00
5	16QAM	12	0	20.00	20.23	20.00	22.00
5	16QAM	12	7	20.02	20.17	20.01	22.00
5	16QAM	12	13	20.06	20.17	20.00	22.00
5	16QAM	25	0	20.07	20.16	20.01	22.00
5	64QAM	1	0	20.18	20.45	20.02	22.00
5	64QAM	1	12	20.26	20.44	20.15	22.00
5	64QAM	1	24	20.35	20.52	20.33	22.00
5	64QAM	12	0	19.01	19.25	19.00	21.00
5	64QAM	12	7	19.00	19.17	19.00	21.00
5	64QAM	12	13	19.00	19.22	19.01	21.00
5	64QAM	25	0	19.01	19.18	19.00	21.00
5	256QAM	1	0	17.06	17.32	17.01	19.00
5	256QAM	1	12	17.25	17.47	17.13	19.00
5	256QAM	1	24	17.20	17.43	17.21	19.00
5	256QAM	12	0	17.02	17.13	17.01	19.00
5	256QAM	12	7	17.10	17.22	17.01	19.00
5	256QAM	12	13	17.06	17.29	17.00	19.00
5	256QAM	25	0	17.01	17.27	17.00	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.21	22.19	22.18	24.00
3	QPSK	1	8	22.02	22.27	22.02	24.00
3	QPSK	1	14	22.07	22.36	22.04	24.00
3	QPSK	8	0	21.04	21.37	21.00	23.00
3	QPSK	8	4	21.00	21.29	21.04	23.00
3	QPSK	8	7	21.03	21.30	21.00	23.00
3	QPSK	15	0	21.01	21.27	21.01	23.00
3	16QAM	1	0	21.24	21.53	21.27	23.00
3	16QAM	1	8	21.26	21.60	21.28	23.00
3	16QAM	1	14	21.36	21.66	21.27	23.00
3	16QAM	8	0	20.00	20.22	20.00	22.00
3	16QAM	8	4	20.00	20.26	20.03	22.00
3	16QAM	8	7	20.02	20.19	20.07	22.00
3	16QAM	15	0	20.07	20.24	20.00	22.00
3	64QAM	1	0	20.15	20.41	20.01	22.00
3	64QAM	1	8	20.27	20.48	20.20	22.00
3	64QAM	1	14	20.27	20.52	20.38	22.00
3	64QAM	8	0	19.00	19.17	19.00	21.00
3	64QAM	8	4	19.00	19.23	19.00	21.00
3	64QAM	8	7	19.01	19.17	19.01	21.00
3	64QAM	15	0	19.03	19.23	19.00	21.00
3	256QAM	1	0	17.12	17.20	17.00	19.00
3	256QAM	1	8	17.24	17.38	17.11	19.00
3	256QAM	1	14	17.16	17.42	17.16	19.00
3	256QAM	8	0	17.01	17.18	17.00	19.00
3	256QAM	8	4	17.11	17.25	17.04	19.00
3	256QAM	8	7	17.07	17.26	17.00	19.00



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3	256QAM	15	0	17.00	17.27	17.03	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.26	22.23	22.17	24.00
1.4	QPSK	1	3	22.01	22.23	22.02	24.00
1.4	QPSK	1	5	22.03	22.31	22.09	24.00
1.4	QPSK	3	0	22.06	22.29	22.05	24.00
1.4	QPSK	3	1	22.01	22.25	22.04	24.00
1.4	QPSK	3	3	22.01	22.32	22.04	24.00
1.4	QPSK	6	0	21.06	21.21	21.00	23.00
1.4	16QAM	1	0	21.26	21.48	21.25	23.00
1.4	16QAM	1	3	21.34	21.61	21.36	23.00
1.4	16QAM	1	5	21.38	21.60	21.36	23.00
1.4	16QAM	3	0	21.00	21.22	21.01	23.00
1.4	16QAM	3	1	21.01	21.20	21.00	23.00
1.4	16QAM	3	3	21.01	21.27	21.00	23.00
1.4	16QAM	6	0	20.11	20.20	20.05	22.00
1.4	64QAM	1	0	20.08	20.34	20.04	22.00
1.4	64QAM	1	3	20.15	20.40	20.17	22.00
1.4	64QAM	1	5	20.25	20.49	20.26	22.00
1.4	64QAM	3	0	20.00	20.25	20.02	22.00
1.4	64QAM	3	1	20.00	20.24	20.01	22.00
1.4	64QAM	3	3	20.02	20.17	20.01	22.00
1.4	64QAM	6	0	19.04	19.19	19.00	21.00
1.4	256QAM	1	0	17.12	17.21	17.00	19.00
1.4	256QAM	1	3	17.22	17.45	17.13	19.00
1.4	256QAM	1	5	17.15	17.40	17.19	19.00
1.4	256QAM	3	0	17.02	17.23	17.00	19.00
1.4	256QAM	3	1	17.00	17.21	17.00	19.00
1.4	256QAM	3	3	17.01	17.30	17.07	19.00
1.4	256QAM	6	0	17.00	17.19	17.02	19.00

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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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.22	23.07	24.00
20	QPSK	1	49	23.12	23.19	22.96	24.00
20	QPSK	1	99	23.13	23.05	23.00	24.00
20	QPSK	50	0	22.22	22.23	22.17	23.00
20	QPSK	50	24	22.20	22.18	22.12	23.00
20	QPSK	50	50	22.20	22.16	22.13	23.00
20	QPSK	100	0	22.12	22.19	22.18	23.00
20	16QAM	1	0	22.13	22.22	22.07	23.00
20	16QAM	1	49	22.22	22.26	22.14	23.00
20	16QAM	1	99	22.15	22.20	22.11	23.00
20	16QAM	50	0	21.17	21.26	21.11	22.00
20	16QAM	50	24	21.19	21.26	21.17	22.00
20	16QAM	50	50	21.22	21.20	21.11	22.00
20	16QAM	100	0	21.06	21.23	21.18	22.00
20	64QAM	1	0	21.17	21.25	21.01	22.00
20	64QAM	1	49	21.12	21.30	21.08	22.00
20	64QAM	1	99	21.20	21.22	21.02	22.00
20	64QAM	50	0	20.21	20.26	20.06	21.00
20	64QAM	50	24	20.15	20.23	20.15	21.00
20	64QAM	50	50	20.14	20.33	20.05	21.00
20	64QAM	100	0	20.20	20.25	20.02	21.00
20	256QAM	1	0	18.22	18.27	18.20	19.00
20	256QAM	1	49	18.07	18.23	18.09	19.00
20	256QAM	1	99	18.10	18.16	18.13	19.00
20	256QAM	50	0	18.24	18.12	18.11	19.00
20	256QAM	50	24	18.13	18.23	18.15	19.00
20	256QAM	50	50	18.10	18.20	18.15	19.00
20	256QAM	100	0	18.11	18.29	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.16	22.96	24.00
15	QPSK	1	37	22.97	23.13	22.94	24.00
15	QPSK	1	74	23.07	23.04	22.99	24.00
15	QPSK	36	0	22.11	22.20	22.07	23.00
15	QPSK	36	20	22.14	22.14	22.00	23.00



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15	QPSK	36	39	22.14	22.14	22.08	23.00
15	QPSK	75	0	21.98	22.13	22.11	23.00
15	16QAM	1	0	22.09	22.16	22.05	23.00
15	16QAM	1	37	22.07	22.18	22.06	23.00
15	16QAM	1	74	22.01	22.11	21.96	23.00
15	16QAM	36	0	21.15	21.15	21.08	22.00
15	16QAM	36	20	21.10	21.18	21.16	22.00
15	16QAM	36	39	21.19	21.15	21.04	22.00
15	16QAM	75	0	21.03	21.10	21.07	22.00
15	64QAM	1	0	21.05	21.23	20.96	22.00
15	64QAM	1	37	21.05	21.28	21.01	22.00
15	64QAM	1	74	21.16	21.15	21.01	22.00
15	64QAM	36	0	20.13	20.21	19.92	21.00
15	64QAM	36	20	20.11	20.18	20.09	21.00
15	64QAM	36	39	19.99	20.20	20.03	21.00
15	64QAM	75	0	20.11	20.14	19.91	21.00
15	256QAM	1	0	18.11	18.14	18.09	19.00
15	256QAM	1	37	17.92	18.21	18.00	19.00
15	256QAM	1	74	17.99	18.12	18.07	19.00
15	256QAM	36	0	18.15	18.05	17.99	19.00
15	256QAM	36	20	18.11	18.17	18.09	19.00
15	256QAM	36	39	18.04	18.10	18.05	19.00
15	256QAM	75	0	17.98	18.19	18.08	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.13	23.10	22.95	24.00
10	QPSK	1	25	23.02	23.11	22.88	24.00
10	QPSK	1	49	23.10	22.95	22.87	24.00
10	QPSK	25	0	22.15	22.10	22.07	23.00
10	QPSK	25	12	22.08	22.17	21.97	23.00
10	QPSK	25	25	22.14	22.13	22.12	23.00
10	QPSK	50	0	22.07	22.17	22.13	23.00
10	16QAM	1	0	21.99	22.21	21.99	23.00
10	16QAM	1	25	22.17	22.16	22.04	23.00
10	16QAM	1	49	22.11	22.15	22.06	23.00
10	16QAM	25	0	21.13	21.14	21.04	22.00
10	16QAM	25	12	21.14	21.11	21.03	22.00
10	16QAM	25	25	21.11	21.15	21.07	22.00
10	16QAM	50	0	21.03	21.14	21.15	22.00
10	64QAM	1	0	21.10	21.13	20.96	22.00
10	64QAM	1	25	21.09	21.24	21.06	22.00
10	64QAM	1	49	21.08	21.19	20.95	22.00
10	64QAM	25	0	20.06	20.23	19.96	21.00
10	64QAM	25	12	20.11	20.09	20.13	21.00
10	64QAM	25	25	20.00	20.28	19.94	21.00
10	64QAM	50	0	20.07	20.15	19.90	21.00
10	256QAM	1	0	18.13	18.17	18.05	19.00
10	256QAM	1	25	18.03	18.09	18.02	19.00
10	256QAM	1	49	18.03	18.05	18.00	19.00
10	256QAM	25	0	18.13	18.09	18.07	19.00
10	256QAM	25	12	18.11	18.16	18.00	19.00
10	256QAM	25	25	18.03	18.05	18.00	19.00
10	256QAM	50	0	18.01	18.27	17.97	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.09	23.18	22.95	24.00
5	QPSK	1	12	23.06	23.17	22.85	24.00
5	QPSK	1	24	23.02	23.01	22.90	24.00
5	QPSK	12	0	22.18	22.14	22.11	23.00
5	QPSK	12	7	22.11	22.10	22.00	23.00
5	QPSK	12	13	22.12	22.04	21.99	23.00
5	QPSK	25	0	21.97	22.12	22.13	23.00
5	16QAM	1	0	22.08	22.18	21.95	23.00
5	16QAM	1	12	22.17	22.14	22.04	23.00
5	16QAM	1	24	22.01	22.10	22.09	23.00
5	16QAM	12	0	21.11	21.20	21.02	22.00
5	16QAM	12	7	21.12	21.21	21.05	22.00
5	16QAM	12	13	21.18	21.05	21.06	22.00
5	16QAM	25	0	20.94	21.20	21.05	22.00
5	64QAM	1	0	21.12	21.18	20.96	22.00
5	64QAM	1	12	21.10	21.21	21.01	22.00
5	64QAM	1	24	21.13	21.15	20.92	22.00
5	64QAM	12	0	20.16	20.19	19.97	21.00
5	64QAM	12	7	20.04	20.14	20.04	21.00
5	64QAM	12	13	20.09	20.27	19.95	21.00
5	64QAM	25	0	20.08	20.23	19.97	21.00
5	256QAM	1	0	18.18	18.19	18.12	19.00
5	256QAM	1	12	17.99	18.12	18.02	19.00



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5	256QAM	1	24	18.05	18.05	18.05	19.00
5	256QAM	12	0	18.15	18.02	18.00	19.00
5	256QAM	12	7	18.08	18.19	18.03	19.00
5	256QAM	12	13	17.96	18.17	18.11	19.00
5	256QAM	25	0	18.02	18.21	17.96	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.02	23.19	23.04	24.00
3	QPSK	1	8	22.99	23.14	22.81	24.00
3	QPSK	1	14	23.02	23.00	22.97	24.00
3	QPSK	8	0	22.14	22.15	22.08	23.00
3	QPSK	8	4	22.16	22.06	22.05	23.00
3	QPSK	8	7	22.13	22.11	22.02	23.00
3	QPSK	15	0	22.06	22.12	22.05	23.00
3	16QAM	1	0	22.03	22.20	22.04	23.00
3	16QAM	1	8	22.10	22.17	22.07	23.00
3	16QAM	1	14	22.07	22.11	22.09	23.00
3	16QAM	8	0	21.09	21.23	20.99	22.00
3	16QAM	8	4	21.09	21.20	21.10	22.00
3	16QAM	8	7	21.17	21.16	20.98	22.00
3	16QAM	15	0	20.91	21.21	21.17	22.00
3	64QAM	1	0	21.10	21.10	20.86	22.00
3	64QAM	1	8	21.00	21.19	21.06	22.00
3	64QAM	1	14	21.10	21.18	20.94	22.00
3	64QAM	8	0	20.10	20.14	19.95	21.00
3	64QAM	8	4	20.06	20.10	20.05	21.00
3	64QAM	8	7	20.04	20.25	19.97	21.00
3	64QAM	15	0	20.07	20.12	19.88	21.00
3	256QAM	1	0	18.16	18.16	18.09	19.00
3	256QAM	1	8	18.04	18.14	17.97	19.00
3	256QAM	1	14	18.02	18.13	17.99	19.00
3	256QAM	8	0	18.21	18.02	18.07	19.00
3	256QAM	8	4	17.99	18.18	18.13	19.00
3	256QAM	8	7	17.98	18.16	18.04	19.00
3	256QAM	15	0	18.06	18.23	18.08	19.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.04	23.17	22.98	24.00
1.4	QPSK	1	3	23.05	23.14	22.89	24.00
1.4	QPSK	1	5	22.99	23.01	22.98	24.00
1.4	QPSK	3	0	23.10	23.10	23.13	24.00
1.4	QPSK	3	1	23.16	23.05	23.04	24.00
1.4	QPSK	3	3	23.07	23.12	23.02	24.00
1.4	QPSK	6	0	22.11	22.08	22.11	23.00
1.4	16QAM	1	0	22.05	22.16	21.94	23.00
1.4	16QAM	1	3	22.15	22.21	22.04	23.00
1.4	16QAM	1	5	22.03	22.16	21.98	23.00
1.4	16QAM	3	0	22.02	22.14	22.08	23.00
1.4	16QAM	3	1	22.10	22.12	22.03	23.00
1.4	16QAM	3	3	22.13	22.10	22.03	23.00
1.4	16QAM	6	0	21.04	21.16	21.15	22.00
1.4	64QAM	1	0	21.12	21.13	20.90	22.00
1.4	64QAM	1	3	21.06	21.22	21.06	22.00
1.4	64QAM	1	5	21.13	21.16	20.95	22.00
1.4	64QAM	3	0	21.11	21.22	20.99	22.00
1.4	64QAM	3	1	21.11	21.09	21.11	22.00
1.4	64QAM	3	3	21.05	21.26	20.97	22.00
1.4	64QAM	6	0	20.07	20.16	19.94	21.00
1.4	256QAM	1	0	18.14	18.16	18.15	19.00
1.4	256QAM	1	3	17.92	18.08	18.04	19.00
1.4	256QAM	1	5	17.96	18.14	17.98	19.00
1.4	256QAM	3	0	18.10	18.06	18.09	19.00
1.4	256QAM	3	1	18.08	18.13	18.02	19.00
1.4	256QAM	3	3	18.09	18.09	18.04	19.00
1.4	256QAM	6	0	18.06	18.24	18.08	19.00



【LTE Band 4_Ant 0_ECI 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	19.81	19.89	19.82	21.20
20	QPSK	1	49	19.79	19.74	19.72	21.20
20	QPSK	1	99	19.75	19.69	19.78	21.20
20	QPSK	50	0	19.78	19.83	19.76	21.20
20	QPSK	50	24	19.72	19.78	19.72	21.20
20	QPSK	50	50	19.76	19.75	19.75	21.20
20	QPSK	100	0	19.72	19.76	19.74	21.20
20	16QAM	1	0	19.76	19.72	19.75	21.20
20	16QAM	1	49	19.78	19.74	19.72	21.20
20	16QAM	1	99	19.79	19.73	19.76	21.20
20	16QAM	50	0	19.71	19.73	19.72	21.20
20	16QAM	50	24	19.72	19.75	19.71	21.20
20	16QAM	50	50	19.79	19.73	19.74	21.20
20	16QAM	100	0	19.71	19.75	19.73	21.20
20	64QAM	1	0	19.69	19.72	19.79	21.20
20	64QAM	1	49	19.74	19.74	19.78	21.20
20	64QAM	1	99	19.80	19.69	19.79	21.20
20	64QAM	50	0	19.08	19.29	19.02	20.70
20	64QAM	50	24	19.01	19.26	19.00	20.70
20	64QAM	50	50	19.03	19.29	19.02	20.70
20	64QAM	100	0	19.08	19.28	19.00	20.70
20	256QAM	1	0	17.14	17.35	17.06	18.70
20	256QAM	1	49	17.35	17.49	17.26	18.70
20	256QAM	1	99	17.23	17.48	17.25	18.70
20	256QAM	50	0	17.03	17.26	17.06	18.70
20	256QAM	50	24	17.13	17.28	17.05	18.70
20	256QAM	50	50	17.11	17.31	17.13	18.70
20	256QAM	100	0	17.06	17.30	17.08	18.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.79	19.76	19.76	21.20
15	QPSK	1	37	19.78	19.60	19.70	21.20
15	QPSK	1	74	19.68	19.61	19.68	21.20
15	QPSK	36	0	19.68	19.77	19.68	21.20
15	QPSK	36	20	19.59	19.63	19.70	21.20
15	QPSK	36	39	19.65	19.68	19.71	21.20
15	QPSK	75	0	19.59	19.74	19.64	21.20
15	16QAM	1	0	19.64	19.60	19.73	21.20
15	16QAM	1	37	19.67	19.68	19.67	21.20
15	16QAM	1	74	19.66	19.71	19.61	21.20
15	16QAM	36	0	19.65	19.72	19.64	21.20
15	16QAM	36	20	19.61	19.64	19.61	21.20
15	16QAM	36	39	19.66	19.67	19.63	21.20
15	16QAM	75	0	19.58	19.73	19.70	21.20
15	64QAM	1	0	19.65	19.62	19.74	21.20
15	64QAM	1	37	19.63	19.66	19.68	21.20
15	64QAM	1	74	19.65	19.60	19.76	21.20
15	64QAM	36	0	19.02	19.23	18.99	20.70
15	64QAM	36	20	18.94	19.21	18.95	20.70
15	64QAM	36	39	18.90	19.27	18.96	20.70
15	64QAM	75	0	19.01	19.20	18.90	20.70
15	256QAM	1	0	17.13	17.28	16.91	18.70
15	256QAM	1	37	17.26	17.43	17.13	18.70
15	256QAM	1	74	17.19	17.44	17.15	18.70
15	256QAM	36	0	16.99	17.12	16.99	18.70
15	256QAM	36	20	17.07	17.21	16.96	18.70
15	256QAM	36	39	16.99	17.28	17.04	18.70
15	256QAM	75	0	16.91	17.25	16.96	18.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.75	19.74	19.67	21.20
10	QPSK	1	25	19.74	19.69	19.59	21.20
10	QPSK	1	49	19.63	19.59	19.73	21.20
10	QPSK	25	0	19.67	19.81	19.73	21.20
10	QPSK	25	12	19.69	19.75	19.66	21.20
10	QPSK	25	25	19.72	19.66	19.73	21.20
10	QPSK	50	0	19.66	19.63	19.63	21.20
10	16QAM	1	0	19.70	19.63	19.64	21.20
10	16QAM	1	25	19.68	19.69	19.65	21.20



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10	16QAM	1	49	19.76	19.65	19.63	21.20
10	16QAM	25	0	19.60	19.58	19.60	21.20
10	16QAM	25	12	19.63	19.61	19.67	21.20
10	16QAM	25	25	19.65	19.72	19.72	21.20
10	16QAM	50	0	19.69	19.64	19.70	21.20
10	64QAM	1	0	19.58	19.64	19.66	21.20
10	64QAM	1	25	19.69	19.61	19.76	21.20
10	64QAM	1	49	19.65	19.60	19.72	21.20
10	64QAM	25	0	19.02	19.15	18.93	20.70
10	64QAM	25	12	18.90	19.20	18.93	20.70
10	64QAM	25	25	19.01	19.21	18.97	20.70
10	64QAM	50	0	18.94	19.21	18.92	20.70
10	256QAM	1	0	17.00	17.30	16.91	18.70
10	256QAM	1	25	17.21	17.41	17.23	18.70
10	256QAM	1	49	17.21	17.46	17.12	18.70
10	256QAM	25	0	16.96	17.15	17.02	18.70
10	256QAM	25	12	17.09	17.18	16.91	18.70
10	256QAM	25	25	17.05	17.26	16.99	18.70
10	256QAM	50	0	17.03	17.28	17.05	18.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.75	19.82	19.71	21.20
5	QPSK	1	12	19.74	19.60	19.59	21.20
5	QPSK	1	24	19.70	19.59	19.71	21.20
5	QPSK	12	0	19.67	19.74	19.62	21.20
5	QPSK	12	7	19.69	19.65	19.71	21.20
5	QPSK	12	13	19.70	19.66	19.61	21.20
5	QPSK	25	0	19.60	19.68	19.60	21.20
5	16QAM	1	0	19.64	19.66	19.65	21.20
5	16QAM	1	12	19.65	19.69	19.71	21.20
5	16QAM	1	24	19.69	19.60	19.69	21.20
5	16QAM	12	0	19.63	19.65	19.68	21.20
5	16QAM	12	7	19.67	19.64	19.66	21.20
5	16QAM	12	13	19.68	19.72	19.72	21.20
5	16QAM	25	0	19.69	19.66	19.67	21.20
5	64QAM	1	0	19.66	19.61	19.70	21.20
5	64QAM	1	12	19.65	19.69	19.76	21.20
5	64QAM	1	24	19.67	19.68	19.67	21.20
5	64QAM	12	0	19.00	19.23	18.95	20.70
5	64QAM	12	7	18.94	19.13	18.97	20.70
5	64QAM	12	13	18.91	19.21	18.96	20.70
5	64QAM	25	0	19.03	19.15	18.95	20.70
5	256QAM	1	0	17.04	17.25	16.93	18.70
5	256QAM	1	12	17.20	17.40	17.24	18.70
5	256QAM	1	24	17.14	17.41	17.20	18.70
5	256QAM	12	0	16.95	17.16	16.91	18.70
5	256QAM	12	7	17.07	17.17	16.93	18.70
5	256QAM	12	13	17.09	17.23	17.06	18.70
5	256QAM	25	0	17.00	17.16	16.94	18.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.80	19.87	19.72	21.20
3	QPSK	1	8	19.66	19.62	19.67	21.20
3	QPSK	1	14	19.67	19.63	19.75	21.20
3	QPSK	8	0	19.63	19.73	19.67	21.20
3	QPSK	8	4	19.64	19.75	19.57	21.20
3	QPSK	8	7	19.63	19.68	19.61	21.20
3	QPSK	15	0	19.65	19.68	19.65	21.20
3	16QAM	1	0	19.69	19.61	19.63	21.20
3	16QAM	1	8	19.64	19.61	19.62	21.20
3	16QAM	1	14	19.77	19.58	19.64	21.20
3	16QAM	8	0	19.59	19.60	19.62	21.20
3	16QAM	8	4	19.59	19.74	19.57	21.20
3	16QAM	8	7	19.77	19.59	19.66	21.20
3	16QAM	15	0	19.70	19.66	19.63	21.20
3	64QAM	1	0	19.60	19.63	19.65	21.20
3	64QAM	1	8	19.61	19.61	19.66	21.20
3	64QAM	1	14	19.71	19.60	19.75	21.20
3	64QAM	8	0	19.05	19.14	18.89	20.70
3	64QAM	8	4	18.88	19.12	18.85	20.70
3	64QAM	8	7	18.99	19.19	18.97	20.70
3	64QAM	15	0	18.96	19.19	18.86	20.70
3	256QAM	1	0	17.03	17.24	16.97	18.70
3	256QAM	1	8	17.21	17.45	17.24	18.70
3	256QAM	1	14	17.11	17.38	17.15	18.70
3	256QAM	8	0	16.88	17.17	16.99	18.70
3	256QAM	8	4	17.10	17.25	16.99	18.70
3	256QAM	8	7	17.00	17.22	17.01	18.70



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3	256QAM	15	0	17.01	17.28	17.00	18.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.73	19.79	19.70	21.20
1.4	QPSK	1	3	19.69	19.59	19.59	21.20
1.4	QPSK	1	5	19.66	19.62	19.76	21.20
1.4	QPSK	3	0	19.76	19.77	19.74	21.20
1.4	QPSK	3	1	19.62	19.72	19.67	21.20
1.4	QPSK	3	3	19.73	19.61	19.73	21.20
1.4	QPSK	6	0	19.64	19.61	19.65	21.20
1.4	16QAM	1	0	19.70	19.69	19.62	21.20
1.4	16QAM	1	3	19.70	19.62	19.57	21.20
1.4	16QAM	1	5	19.72	19.67	19.67	21.20
1.4	16QAM	3	0	19.65	19.65	19.70	21.20
1.4	16QAM	3	1	19.62	19.68	19.58	21.20
1.4	16QAM	3	3	19.68	19.58	19.64	21.20
1.4	16QAM	6	0	19.58	19.65	19.59	21.20
1.4	64QAM	1	0	19.66	19.63	19.73	21.20
1.4	64QAM	1	3	19.60	19.67	19.74	21.20
1.4	64QAM	1	5	19.70	19.54	19.77	21.20
1.4	64QAM	3	0	18.97	19.26	18.88	20.70
1.4	64QAM	3	1	18.99	19.23	18.99	20.70
1.4	64QAM	3	3	18.91	19.27	18.93	20.70
1.4	64QAM	6	0	18.97	19.16	18.94	20.70
1.4	256QAM	1	0	17.12	17.26	17.02	18.70
1.4	256QAM	1	3	17.31	17.47	17.24	18.70
1.4	256QAM	1	5	17.12	17.41	17.20	18.70
1.4	256QAM	3	0	16.95	17.18	16.98	18.70
1.4	256QAM	3	1	17.09	17.22	17.03	18.70
1.4	256QAM	3	3	17.06	17.28	17.08	18.70
1.4	256QAM	6	0	17.02	17.21	16.94	18.70

【LTE Band 4_Ant 0_ECI 6-1】

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	19.65	19.77	19.58	21.20
20	QPSK	1	49	19.52	19.62	19.51	21.20
20	QPSK	1	99	19.51	19.59	19.53	21.20
20	QPSK	50	0	19.63	19.68	19.55	21.20
20	QPSK	50	24	19.60	19.65	19.45	21.20
20	QPSK	50	50	19.59	19.64	19.48	21.20
20	QPSK	100	0	19.54	19.57	19.44	21.20
20	16QAM	1	0	19.60	19.60	19.50	21.20
20	16QAM	1	49	19.60	19.67	19.49	21.20
20	16QAM	1	99	19.54	19.67	19.48	21.20
20	16QAM	50	0	19.59	19.66	19.43	21.20
20	16QAM	50	24	19.55	19.67	19.45	21.20
20	16QAM	50	50	19.56	19.60	19.45	21.20
20	16QAM	100	0	19.59	19.58	19.48	21.20
20	64QAM	1	0	19.58	19.60	19.42	21.20
20	64QAM	1	49	19.57	19.61	19.47	21.20
20	64QAM	1	99	19.59	19.59	19.48	21.20
20	64QAM	50	0	19.50	19.56	19.42	21.00
20	64QAM	50	24	19.58	19.59	19.48	21.00
20	64QAM	50	50	19.56	19.65	19.46	21.00
20	64QAM	100	0	19.56	19.65	19.50	21.00
20	256QAM	1	0	18.12	18.24	18.01	19.00
20	256QAM	1	49	18.16	18.27	18.04	19.00
20	256QAM	1	99	18.14	18.21	18.02	19.00
20	256QAM	50	0	18.16	18.24	18.11	19.00
20	256QAM	50	24	18.17	18.18	18.13	19.00
20	256QAM	50	50	18.14	18.19	18.02	19.00
20	256QAM	100	0	18.17	18.23	18.05	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.63	19.75	19.50	21.20
15	QPSK	1	37	19.39	19.60	19.49	21.20
15	QPSK	1	74	19.38	19.55	19.40	21.20
15	QPSK	36	0	19.48	19.59	19.41	21.20
15	QPSK	36	20	19.56	19.57	19.39	21.20



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15	QPSK	36	39	19.50	19.57	19.41	21.20
15	QPSK	75	0	19.50	19.50	19.42	21.20
15	16QAM	1	0	19.55	19.57	19.48	21.20
15	16QAM	1	37	19.50	19.55	19.44	21.20
15	16QAM	1	74	19.41	19.54	19.46	21.20
15	16QAM	36	0	19.51	19.62	19.39	21.20
15	16QAM	36	20	19.48	19.61	19.38	21.20
15	16QAM	36	39	19.49	19.55	19.43	21.20
15	16QAM	75	0	19.48	19.46	19.34	21.20
15	64QAM	1	0	19.53	19.48	19.31	21.20
15	64QAM	1	37	19.46	19.50	19.42	21.20
15	64QAM	1	74	19.51	19.46	19.44	21.20
15	64QAM	36	0	19.43	19.55	19.36	21.00
15	64QAM	36	20	19.48	19.58	19.42	21.00
15	64QAM	36	39	19.55	19.61	19.33	21.00
15	64QAM	75	0	19.50	19.56	19.35	21.00
15	256QAM	1	0	18.11	18.11	17.99	19.00
15	256QAM	1	37	18.09	18.16	17.93	19.00
15	256QAM	1	74	18.04	18.15	17.91	19.00
15	256QAM	36	0	18.03	18.17	18.03	19.00
15	256QAM	36	20	18.05	18.11	18.11	19.00
15	256QAM	36	39	18.07	18.10	17.90	19.00
15	256QAM	75	0	18.13	18.19	17.92	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.63	19.63	19.48	21.20
10	QPSK	1	25	19.41	19.56	19.47	21.20
10	QPSK	1	49	19.44	19.56	19.40	21.20
10	QPSK	25	0	19.54	19.57	19.46	21.20
10	QPSK	25	12	19.49	19.52	19.44	21.20
10	QPSK	25	25	19.50	19.52	19.45	21.20
10	QPSK	50	0	19.50	19.46	19.38	21.20
10	16QAM	1	0	19.49	19.47	19.41	21.20
10	16QAM	1	25	19.54	19.54	19.36	21.20
10	16QAM	1	49	19.43	19.60	19.37	21.20
10	16QAM	25	0	19.54	19.62	19.33	21.20
10	16QAM	25	12	19.51	19.57	19.38	21.20
10	16QAM	25	25	19.45	19.57	19.39	21.20
10	16QAM	50	0	19.45	19.55	19.39	21.20
10	64QAM	1	0	19.54	19.52	19.36	21.20
10	64QAM	1	25	19.51	19.48	19.42	21.20
10	64QAM	1	49	19.45	19.46	19.40	21.20
10	64QAM	25	0	19.46	19.51	19.34	21.00
10	64QAM	25	12	19.55	19.51	19.46	21.00
10	64QAM	25	25	19.42	19.63	19.42	21.00
10	64QAM	50	0	19.53	19.57	19.37	21.00
10	256QAM	1	0	18.03	18.16	17.99	19.00
10	256QAM	1	25	18.05	18.14	17.93	19.00
10	256QAM	1	49	18.07	18.15	17.94	19.00
10	256QAM	25	0	18.12	18.15	17.97	19.00
10	256QAM	25	12	18.13	18.05	17.98	19.00
10	256QAM	25	25	18.07	18.05	17.98	19.00
10	256QAM	50	0	18.04	18.18	17.95	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.63	19.71	19.55	21.20
5	QPSK	1	12	19.45	19.51	19.42	21.20
5	QPSK	1	24	19.47	19.58	19.47	21.20
5	QPSK	12	0	19.57	19.59	19.53	21.20
5	QPSK	12	7	19.56	19.61	19.33	21.20
5	QPSK	12	13	19.47	19.60	19.34	21.20
5	QPSK	25	0	19.50	19.47	19.29	21.20
5	16QAM	1	0	19.56	19.55	19.48	21.20
5	16QAM	1	12	19.52	19.58	19.40	21.20
5	16QAM	1	24	19.49	19.63	19.41	21.20
5	16QAM	12	0	19.44	19.55	19.39	21.20
5	16QAM	12	7	19.46	19.52	19.38	21.20
5	16QAM	12	13	19.50	19.45	19.44	21.20
5	16QAM	25	0	19.46	19.47	19.43	21.20
5	64QAM	1	0	19.52	19.55	19.37	21.20
5	64QAM	1	12	19.44	19.59	19.39	21.20
5	64QAM	1	24	19.51	19.45	19.39	21.20
5	64QAM	12	0	19.36	19.42	19.34	21.00
5	64QAM	12	7	19.53	19.55	19.42	21.00
5	64QAM	12	13	19.46	19.61	19.31	21.00
5	64QAM	25	0	19.47	19.63	19.46	21.00
5	256QAM	1	0	17.98	18.14	17.96	19.00
5	256QAM	1	12	18.06	18.15	17.98	19.00



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5	256QAM	1	24	18.02	18.18	18.00	19.00
5	256QAM	12	0	18.04	18.19	17.97	19.00
5	256QAM	12	7	18.10	18.07	18.00	19.00
5	256QAM	12	13	18.06	18.05	17.94	19.00
5	256QAM	25	0	18.03	18.11	18.02	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.57	19.70	19.45	21.20
3	QPSK	1	8	19.47	19.57	19.37	21.20
3	QPSK	1	14	19.50	19.45	19.40	21.20
3	QPSK	8	0	19.55	19.55	19.45	21.20
3	QPSK	8	4	19.56	19.62	19.35	21.20
3	QPSK	8	7	19.52	19.63	19.42	21.20
3	QPSK	15	0	19.50	19.55	19.40	21.20
3	16QAM	1	0	19.55	19.55	19.47	21.20
3	16QAM	1	8	19.51	19.53	19.47	21.20
3	16QAM	1	14	19.41	19.56	19.44	21.20
3	16QAM	8	0	19.53	19.55	19.36	21.20
3	16QAM	8	4	19.49	19.65	19.32	21.20
3	16QAM	8	7	19.47	19.57	19.30	21.20
3	16QAM	15	0	19.49	19.43	19.37	21.20
3	64QAM	1	0	19.49	19.47	19.39	21.20
3	64QAM	1	8	19.47	19.58	19.40	21.20
3	64QAM	1	14	19.48	19.44	19.46	21.20
3	64QAM	8	0	19.44	19.43	19.38	21.00
3	64QAM	8	4	19.44	19.52	19.39	21.00
3	64QAM	8	7	19.52	19.62	19.37	21.00
3	64QAM	15	0	19.42	19.60	19.39	21.00
3	256QAM	1	0	18.09	18.22	17.87	19.00
3	256QAM	1	8	18.14	18.13	18.02	19.00
3	256QAM	1	14	18.03	18.09	18.00	19.00
3	256QAM	8	0	18.04	18.18	18.05	19.00
3	256QAM	8	4	18.09	18.16	18.07	19.00
3	256QAM	8	7	18.03	18.16	17.97	19.00
3	256QAM	15	0	18.08	18.09	17.95	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.53	19.72	19.57	21.20
1.4	QPSK	1	3	19.48	19.49	19.45	21.20
1.4	QPSK	1	5	19.39	19.45	19.41	21.20
1.4	QPSK	3	0	19.48	19.59	19.53	21.20
1.4	QPSK	3	1	19.48	19.61	19.40	21.20
1.4	QPSK	3	3	19.53	19.61	19.47	21.20
1.4	QPSK	6	0	19.42	19.45	19.42	21.20
1.4	16QAM	1	0	19.50	19.50	19.42	21.20
1.4	16QAM	1	3	19.57	19.64	19.34	21.20
1.4	16QAM	1	5	19.49	19.64	19.38	21.20
1.4	16QAM	3	0	19.49	19.51	19.37	21.20
1.4	16QAM	3	1	19.52	19.59	19.32	21.20
1.4	16QAM	3	3	19.42	19.48	19.30	21.20
1.4	16QAM	6	0	19.53	19.44	19.41	21.20
1.4	64QAM	1	0	19.53	19.50	19.31	21.20
1.4	64QAM	1	3	19.50	19.54	19.33	21.20
1.4	64QAM	1	5	19.50	19.52	19.47	21.20
1.4	64QAM	3	0	19.46	19.54	19.30	21.00
1.4	64QAM	3	1	19.48	19.46	19.44	21.00
1.4	64QAM	3	3	19.41	19.52	19.44	21.00
1.4	64QAM	6	0	19.52	19.63	19.39	21.00
1.4	256QAM	1	0	18.06	18.15	17.90	19.00
1.4	256QAM	1	3	18.07	18.18	17.94	19.00
1.4	256QAM	1	5	18.05	18.19	17.98	19.00
1.4	256QAM	3	0	18.12	18.20	18.04	19.00
1.4	256QAM	3	1	18.16	18.08	18.00	19.00
1.4	256QAM	3	3	18.01	18.17	17.88	19.00
1.4	256QAM	6	0	18.13	18.22	17.99	19.00



【LTE Band 4_Ant 0_ECI 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	15.75	15.78	15.75	17.40
20	QPSK	1	49	15.71	15.60	15.72	17.40
20	QPSK	1	99	15.68	15.65	15.64	17.40
20	QPSK	50	0	15.70	15.73	15.70	17.40
20	QPSK	50	24	15.63	15.60	15.68	17.40
20	QPSK	50	50	15.69	15.65	15.69	17.40
20	QPSK	100	0	15.69	15.72	15.71	17.40
20	16QAM	1	0	15.72	15.64	15.64	17.40
20	16QAM	1	49	15.64	15.67	15.68	17.40
20	16QAM	1	99	15.67	15.65	15.65	17.40
20	16QAM	50	0	15.70	15.64	15.62	17.40
20	16QAM	50	24	15.61	15.62	15.63	17.40
20	16QAM	50	50	15.60	15.65	15.70	17.40
20	16QAM	100	0	15.62	15.64	15.66	17.40
20	64QAM	1	0	15.61	15.60	15.70	17.40
20	64QAM	1	49	15.69	15.67	15.68	17.40
20	64QAM	1	99	15.60	15.70	15.69	17.40
20	64QAM	50	0	15.63	15.71	15.67	17.40
20	64QAM	50	24	15.71	15.62	15.64	17.40
20	64QAM	50	50	15.64	15.66	15.62	17.40
20	64QAM	100	0	15.71	15.60	15.72	17.40
20	256QAM	1	0	15.61	15.72	15.68	17.40
20	256QAM	1	49	15.71	15.62	15.61	17.40
20	256QAM	1	99	15.63	15.64	15.67	17.40
20	256QAM	50	0	15.67	15.70	15.67	17.40
20	256QAM	50	24	15.67	15.72	15.68	17.40
20	256QAM	50	50	15.64	15.72	15.67	17.40
20	256QAM	100	0	15.70	15.67	15.70	17.40
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.61	15.65	15.66	17.40
15	QPSK	1	37	15.60	15.47	15.69	17.40
15	QPSK	1	74	15.61	15.56	15.58	17.40
15	QPSK	36	0	15.57	15.65	15.64	17.40
15	QPSK	36	20	15.61	15.57	15.61	17.40
15	QPSK	36	39	15.66	15.50	15.59	17.40
15	QPSK	75	0	15.62	15.70	15.66	17.40
15	16QAM	1	0	15.63	15.59	15.60	17.40
15	16QAM	1	37	15.55	15.63	15.66	17.40
15	16QAM	1	74	15.64	15.53	15.52	17.40
15	16QAM	36	0	15.56	15.63	15.61	17.40
15	16QAM	36	20	15.54	15.51	15.50	17.40
15	16QAM	36	39	15.55	15.55	15.59	17.40
15	16QAM	75	0	15.50	15.54	15.58	17.40
15	64QAM	1	0	15.54	15.47	15.60	17.40
15	64QAM	1	37	15.57	15.56	15.62	17.40
15	64QAM	1	74	15.58	15.57	15.67	17.40
15	64QAM	36	0	15.55	15.58	15.66	17.40
15	64QAM	36	20	15.56	15.57	15.54	17.40
15	64QAM	36	39	15.51	15.65	15.54	17.40
15	64QAM	75	0	15.59	15.55	15.66	17.40
15	256QAM	1	0	15.50	15.70	15.57	17.40
15	256QAM	1	37	15.64	15.48	15.48	17.40
15	256QAM	1	74	15.52	15.59	15.55	17.40
15	256QAM	36	0	15.56	15.62	15.62	17.40
15	256QAM	36	20	15.64	15.59	15.58	17.40
15	256QAM	36	39	15.52	15.66	15.57	17.40
15	256QAM	75	0	15.57	15.59	15.65	17.40
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.63	15.68	15.66	17.40
10	QPSK	1	25	15.60	15.52	15.65	17.40
10	QPSK	1	49	15.57	15.51	15.57	17.40
10	QPSK	25	0	15.60	15.68	15.64	17.40
10	QPSK	25	12	15.51	15.47	15.56	17.40
10	QPSK	25	25	15.61	15.62	15.55	17.40
10	QPSK	50	0	15.67	15.60	15.66	17.40
10	16QAM	1	0	15.63	15.61	15.59	17.40
10	16QAM	1	25	15.63	15.55	15.66	17.40



10	16QAM	1	49	15.56	15.60	15.60	17.40
10	16QAM	25	0	15.62	15.55	15.47	17.40
10	16QAM	25	12	15.53	15.59	15.49	17.40
10	16QAM	25	25	15.46	15.57	15.57	17.40
10	16QAM	50	0	15.50	15.61	15.55	17.40
10	64QAM	1	0	15.53	15.50	15.62	17.40
10	64QAM	1	25	15.55	15.59	15.57	17.40
10	64QAM	1	49	15.48	15.65	15.56	17.40
10	64QAM	25	0	15.57	15.68	15.64	17.40
10	64QAM	25	12	15.67	15.50	15.62	17.40
10	64QAM	25	25	15.53	15.60	15.48	17.40
10	64QAM	50	0	15.62	15.58	15.61	17.40
10	256QAM	1	0	15.48	15.62	15.60	17.40
10	256QAM	1	25	15.70	15.61	15.60	17.40
10	256QAM	1	49	15.54	15.62	15.53	17.40
10	256QAM	25	0	15.54	15.68	15.59	17.40
10	256QAM	25	12	15.59	15.61	15.60	17.40
10	256QAM	25	25	15.61	15.63	15.53	17.40
10	256QAM	50	0	15.69	15.53	15.58	17.40
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.64	15.69	15.65	17.40
5	QPSK	1	12	15.62	15.49	15.67	17.40
5	QPSK	1	24	15.56	15.64	15.59	17.40
5	QPSK	12	0	15.65	15.63	15.56	17.40
5	QPSK	12	7	15.50	15.46	15.58	17.40
5	QPSK	12	13	15.67	15.60	15.64	17.40
5	QPSK	25	0	15.64	15.58	15.65	17.40
5	16QAM	1	0	15.66	15.61	15.52	17.40
5	16QAM	1	12	15.50	15.64	15.65	17.40
5	16QAM	1	24	15.64	15.61	15.62	17.40
5	16QAM	12	0	15.55	15.49	15.52	17.40
5	16QAM	12	7	15.52	15.50	15.62	17.40
5	16QAM	12	13	15.56	15.55	15.66	17.40
5	16QAM	25	0	15.58	15.54	15.62	17.40
5	64QAM	1	0	15.56	15.54	15.67	17.40
5	64QAM	1	12	15.55	15.56	15.63	17.40
5	64QAM	1	24	15.51	15.58	15.66	17.40
5	64QAM	12	0	15.59	15.60	15.57	17.40
5	64QAM	12	7	15.66	15.57	15.54	17.40
5	64QAM	12	13	15.51	15.57	15.54	17.40
5	64QAM	25	0	15.66	15.51	15.63	17.40
5	256QAM	1	0	15.51	15.69	15.60	17.40
5	256QAM	1	12	15.63	15.57	15.50	17.40
5	256QAM	1	24	15.50	15.60	15.58	17.40
5	256QAM	12	0	15.55	15.65	15.60	17.40
5	256QAM	12	7	15.63	15.63	15.54	17.40
5	256QAM	12	13	15.57	15.66	15.55	17.40
5	256QAM	25	0	15.61	15.54	15.65	17.40
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.65	15.76	15.72	17.40
3	QPSK	1	8	15.60	15.45	15.71	17.40
3	QPSK	1	14	15.64	15.56	15.50	17.40
3	QPSK	8	0	15.58	15.62	15.66	17.40
3	QPSK	8	4	15.48	15.56	15.55	17.40
3	QPSK	8	7	15.62	15.59	15.62	17.40
3	QPSK	15	0	15.65	15.68	15.68	17.40
3	16QAM	1	0	15.69	15.59	15.57	17.40
3	16QAM	1	8	15.51	15.55	15.64	17.40
3	16QAM	1	14	15.63	15.60	15.63	17.40
3	16QAM	8	0	15.61	15.57	15.50	17.40
3	16QAM	8	4	15.48	15.58	15.51	17.40
3	16QAM	8	7	15.54	15.62	15.55	17.40
3	16QAM	15	0	15.48	15.63	15.56	17.40
3	64QAM	1	0	15.50	15.45	15.67	17.40
3	64QAM	1	8	15.60	15.65	15.59	17.40
3	64QAM	1	14	15.58	15.56	15.60	17.40
3	64QAM	8	0	15.55	15.66	15.61	17.40
3	64QAM	8	4	15.56	15.51	15.55	17.40
3	64QAM	8	7	15.56	15.60	15.59	17.40
3	64QAM	15	0	15.64	15.49	15.64	17.40
3	256QAM	1	0	15.50	15.70	15.57	17.40
3	256QAM	1	8	15.63	15.60	15.57	17.40
3	256QAM	1	14	15.52	15.55	15.62	17.40
3	256QAM	8	0	15.57	15.68	15.62	17.40
3	256QAM	8	4	15.56	15.67	15.66	17.40
3	256QAM	8	7	15.49	15.68	15.54	17.40



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3	256QAM	15	0	15.58	15.65	15.58	17.40
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.66	15.73	15.62	17.40
1.4	QPSK	1	3	15.65	15.53	15.60	17.40
1.4	QPSK	1	5	15.55	15.58	15.60	17.40
1.4	QPSK	3	0	15.64	15.60	15.63	17.40
1.4	QPSK	3	1	15.52	15.53	15.55	17.40
1.4	QPSK	3	3	15.60	15.54	15.58	17.40
1.4	QPSK	6	0	15.56	15.66	15.60	17.40
1.4	16QAM	1	0	15.58	15.57	15.51	17.40
1.4	16QAM	1	3	15.49	15.58	15.65	17.40
1.4	16QAM	1	5	15.59	15.63	15.60	17.40
1.4	16QAM	3	0	15.64	15.55	15.48	17.40
1.4	16QAM	3	1	15.49	15.59	15.54	17.40
1.4	16QAM	3	3	15.47	15.57	15.60	17.40
1.4	16QAM	6	0	15.52	15.58	15.64	17.40
1.4	64QAM	1	0	15.50	15.52	15.65	17.40
1.4	64QAM	1	3	15.66	15.63	15.62	17.40
1.4	64QAM	1	5	15.58	15.63	15.59	17.40
1.4	64QAM	3	0	15.54	15.62	15.57	17.40
1.4	64QAM	3	1	15.65	15.47	15.59	17.40
1.4	64QAM	3	3	15.56	15.51	15.60	17.40
1.4	64QAM	6	0	15.62	15.58	15.64	17.40
1.4	256QAM	1	0	15.50	15.62	15.66	17.40
1.4	256QAM	1	3	15.57	15.49	15.57	17.40
1.4	256QAM	1	5	15.50	15.60	15.54	17.40
1.4	256QAM	3	0	15.57	15.68	15.60	17.40
1.4	256QAM	3	1	15.62	15.71	15.60	17.40
1.4	256QAM	3	3	15.58	15.65	15.61	17.40
1.4	256QAM	6	0	15.64	15.57	15.61	17.40

【LTE Band 4_Ant 0_ECI 7-1】

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	15.55	15.66	15.45	17.40
20	QPSK	1	49	15.48	15.64	15.43	17.40
20	QPSK	1	99	15.58	15.50	15.40	17.40
20	QPSK	50	0	15.44	15.58	15.43	17.40
20	QPSK	50	24	15.48	15.54	15.41	17.40
20	QPSK	50	50	15.44	15.49	15.40	17.40
20	QPSK	100	0	15.41	15.59	15.44	17.40
20	16QAM	1	0	15.40	15.54	15.42	17.40
20	16QAM	1	49	15.40	15.54	15.40	17.40
20	16QAM	1	99	15.42	15.56	15.41	17.40
20	16QAM	50	0	15.40	15.56	15.41	17.40
20	16QAM	50	24	15.49	15.62	15.40	17.40
20	16QAM	50	50	15.40	15.55	15.40	17.40
20	16QAM	100	0	15.40	15.46	15.40	17.40
20	64QAM	1	0	15.41	15.61	15.41	17.40
20	64QAM	1	49	15.48	15.61	15.40	17.40
20	64QAM	1	99	15.40	15.49	15.40	17.40
20	64QAM	50	0	15.49	15.67	15.40	17.40
20	64QAM	50	24	15.44	15.61	15.41	17.40
20	64QAM	50	50	15.41	15.48	15.42	17.40
20	64QAM	100	0	15.50	15.63	15.40	17.40
20	256QAM	1	0	15.42	15.44	15.41	17.40
20	256QAM	1	49	15.41	15.58	15.41	17.40
20	256QAM	1	99	15.41	15.54	15.41	17.40
20	256QAM	50	0	15.47	15.64	15.40	17.40
20	256QAM	50	24	15.43	15.57	15.40	17.40
20	256QAM	50	50	15.41	15.56	15.41	17.40
20	256QAM	100	0	15.42	15.63	15.40	17.40
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.50	15.57	15.41	17.40
15	QPSK	1	37	15.40	15.59	15.41	17.40
15	QPSK	1	74	15.52	15.42	15.41	17.40
15	QPSK	36	0	15.41	15.47	15.42	17.40
15	QPSK	36	20	15.46	15.49	15.40	17.40
15	QPSK	36	39	15.41	15.44	15.40	17.40
15	QPSK	75	0	15.40	15.55	15.42	17.40
15	16QAM	1	0	15.40	15.44	15.40	17.40
15	16QAM	1	37	15.40	15.50	15.40	17.40



15	16QAM	1	74	15.41	15.49	15.41	17.40
15	16QAM	36	0	15.40	15.43	15.41	17.40
15	16QAM	36	20	15.45	15.52	15.41	17.40
15	16QAM	36	39	15.40	15.52	15.40	17.40
15	16QAM	75	0	15.40	15.41	15.42	17.40
15	64QAM	1	0	15.42	15.60	15.41	17.40
15	64QAM	1	37	15.40	15.50	15.40	17.40
15	64QAM	1	74	15.41	15.42	15.41	17.40
15	64QAM	36	0	15.42	15.62	15.40	17.40
15	64QAM	36	20	15.40	15.47	15.40	17.40
15	64QAM	36	39	15.41	15.40	15.40	17.40
15	64QAM	75	0	15.41	15.50	15.41	17.40
15	256QAM	1	0	15.41	15.40	15.40	17.40
15	256QAM	1	37	15.40	15.55	15.40	17.40
15	256QAM	1	74	15.41	15.42	15.40	17.40
15	256QAM	36	0	15.43	15.59	15.40	17.40
15	256QAM	36	20	15.40	15.52	15.40	17.40
15	256QAM	36	39	15.41	15.51	15.40	17.40
15	256QAM	75	0	15.40	15.58	15.40	17.40
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.53	15.63	15.41	17.40
10	QPSK	1	25	15.40	15.52	15.41	17.40
10	QPSK	1	49	15.52	15.48	15.41	17.40
10	QPSK	25	0	15.42	15.46	15.40	17.40
10	QPSK	25	12	15.41	15.44	15.40	17.40
10	QPSK	25	25	15.41	15.46	15.41	17.40
10	QPSK	50	0	15.40	15.54	15.41	17.40
10	16QAM	1	0	15.40	15.40	15.40	17.40
10	16QAM	1	25	15.42	15.43	15.40	17.40
10	16QAM	1	49	15.40	15.50	15.40	17.40
10	16QAM	25	0	15.42	15.52	15.40	17.40
10	16QAM	25	12	15.40	15.53	15.42	17.40
10	16QAM	25	25	15.42	15.41	15.42	17.40
10	16QAM	50	0	15.41	15.40	15.40	17.40
10	64QAM	1	0	15.40	15.50	15.41	17.40
10	64QAM	1	25	15.45	15.55	15.40	17.40
10	64QAM	1	49	15.42	15.46	15.40	17.40
10	64QAM	25	0	15.41	15.53	15.41	17.40
10	64QAM	25	12	15.42	15.59	15.40	17.40
10	64QAM	25	25	15.42	15.40	15.41	17.40
10	64QAM	50	0	15.48	15.49	15.40	17.40
10	256QAM	1	0	15.40	15.40	15.40	17.40
10	256QAM	1	25	15.40	15.52	15.40	17.40
10	256QAM	1	49	15.40	15.44	15.40	17.40
10	256QAM	25	0	15.44	15.53	15.41	17.40
10	256QAM	25	12	15.40	15.55	15.41	17.40
10	256QAM	25	25	15.41	15.50	15.41	17.40
10	256QAM	50	0	15.41	15.62	15.41	17.40
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.50	15.59	15.41	17.40
5	QPSK	1	12	15.43	15.53	15.40	17.40
5	QPSK	1	24	15.49	15.46	15.41	17.40
5	QPSK	12	0	15.41	15.56	15.40	17.40
5	QPSK	12	7	15.40	15.44	15.41	17.40
5	QPSK	12	13	15.40	15.43	15.40	17.40
5	QPSK	25	0	15.40	15.56	15.41	17.40
5	16QAM	1	0	15.41	15.53	15.42	17.40
5	16QAM	1	12	15.40	15.48	15.40	17.40
5	16QAM	1	24	15.41	15.47	15.40	17.40
5	16QAM	12	0	15.40	15.50	15.40	17.40
5	16QAM	12	7	15.40	15.49	15.40	17.40
5	16QAM	12	13	15.42	15.40	15.40	17.40
5	16QAM	25	0	15.41	15.41	15.40	17.40
5	64QAM	1	0	15.41	15.59	15.42	17.40
5	64QAM	1	12	15.46	15.59	15.40	17.40
5	64QAM	1	24	15.42	15.42	15.41	17.40
5	64QAM	12	0	15.47	15.55	15.40	17.40
5	64QAM	12	7	15.41	15.54	15.40	17.40
5	64QAM	12	13	15.40	15.46	15.40	17.40
5	64QAM	25	0	15.42	15.55	15.40	17.40
5	256QAM	1	0	15.41	15.40	15.41	17.40
5	256QAM	1	12	15.41	15.49	15.40	17.40
5	256QAM	1	24	15.42	15.51	15.41	17.40
5	256QAM	12	0	15.41	15.50	15.41	17.40
5	256QAM	12	7	15.42	15.51	15.40	17.40
5	256QAM	12	13	15.41	15.46	15.41	17.40



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5	256QAM	25	0	15.41	15.57	15.40	17.40
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.49	15.54	15.40	17.40
3	QPSK	1	8	15.41	15.52	15.41	17.40
3	QPSK	1	14	15.47	15.49	15.40	17.40
3	QPSK	8	0	15.43	15.50	15.42	17.40
3	QPSK	8	4	15.41	15.47	15.40	17.40
3	QPSK	8	7	15.42	15.42	15.40	17.40
3	QPSK	15	0	15.40	15.56	15.41	17.40
3	16QAM	1	0	15.42	15.50	15.41	17.40
3	16QAM	1	8	15.40	15.48	15.40	17.40
3	16QAM	1	14	15.40	15.48	15.42	17.40
3	16QAM	8	0	15.42	15.43	15.40	17.40
3	16QAM	8	4	15.46	15.57	15.40	17.40
3	16QAM	8	7	15.40	15.41	15.41	17.40
3	16QAM	15	0	15.41	15.45	15.40	17.40
3	64QAM	1	0	15.40	15.57	15.40	17.40
3	64QAM	1	8	15.44	15.58	15.40	17.40
3	64QAM	1	14	15.40	15.44	15.41	17.40
3	64QAM	8	0	15.44	15.54	15.40	17.40
3	64QAM	8	4	15.40	15.59	15.40	17.40
3	64QAM	8	7	15.41	15.41	15.41	17.40
3	64QAM	15	0	15.40	15.54	15.40	17.40
3	256QAM	1	0	15.40	15.41	15.40	17.40
3	256QAM	1	8	15.41	15.52	15.42	17.40
3	256QAM	1	14	15.42	15.43	15.40	17.40
3	256QAM	8	0	15.43	15.53	15.40	17.40
3	256QAM	8	4	15.40	15.51	15.40	17.40
3	256QAM	8	7	15.41	15.45	15.40	17.40
3	256QAM	15	0	15.41	15.59	15.41	17.40
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	15.46	15.64	15.42	17.40
1.4	QPSK	1	3	15.46	15.50	15.40	17.40
1.4	QPSK	1	5	15.45	15.41	15.41	17.40
1.4	QPSK	3	0	15.40	15.45	15.40	17.40
1.4	QPSK	3	1	15.46	15.46	15.40	17.40
1.4	QPSK	3	3	15.42	15.44	15.41	17.40
1.4	QPSK	6	0	15.40	15.44	15.43	17.40
1.4	16QAM	1	0	15.40	15.41	15.42	17.40
1.4	16QAM	1	3	15.40	15.45	15.40	17.40
1.4	16QAM	1	5	15.40	15.52	15.42	17.40
1.4	16QAM	3	0	15.41	15.53	15.40	17.40
1.4	16QAM	3	1	15.40	15.57	15.41	17.40
1.4	16QAM	3	3	15.40	15.51	15.42	17.40
1.4	16QAM	6	0	15.40	15.42	15.41	17.40
1.4	64QAM	1	0	15.40	15.55	15.41	17.40
1.4	64QAM	1	3	15.40	15.59	15.40	17.40
1.4	64QAM	1	5	15.41	15.46	15.41	17.40
1.4	64QAM	3	0	15.43	15.54	15.41	17.40
1.4	64QAM	3	1	15.41	15.59	15.42	17.40
1.4	64QAM	3	3	15.40	15.41	15.42	17.40
1.4	64QAM	6	0	15.47	15.53	15.40	17.40
1.4	256QAM	1	0	15.40	15.42	15.40	17.40
1.4	256QAM	1	3	15.42	15.47	15.40	17.40
1.4	256QAM	1	5	15.41	15.42	15.40	17.40
1.4	256QAM	3	0	15.45	15.52	15.41	17.40
1.4	256QAM	3	1	15.42	15.54	15.41	17.40
1.4	256QAM	3	3	15.41	15.46	15.42	17.40
1.4	256QAM	6	0	15.40	15.52	15.41	17.40



【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	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.28	21.27	21.11	22.00
20	QPSK	1	49	21.11	21.16	20.92	22.00
20	QPSK	1	99	21.18	21.19	21.02	22.00
20	QPSK	50	0	20.20	20.21	19.94	21.00
20	QPSK	50	24	20.19	20.19	19.91	21.00
20	QPSK	50	50	20.16	20.18	19.91	21.00
20	QPSK	100	0	20.06	20.19	19.94	21.00
20	16QAM	1	0	20.42	20.54	20.37	21.00
20	16QAM	1	49	20.42	20.49	20.29	21.00
20	16QAM	1	99	20.41	20.52	20.26	21.00
20	16QAM	50	0	19.18	19.19	18.93	20.00
20	16QAM	50	24	19.08	19.15	18.95	20.00
20	16QAM	50	50	19.14	19.16	18.95	20.00
20	16QAM	100	0	19.14	19.19	18.95	20.00
20	64QAM	1	0	19.35	19.41	19.14	20.00
20	64QAM	1	49	19.25	19.31	19.14	20.00
20	64QAM	1	99	19.28	19.39	19.22	20.00
20	64QAM	50	0	18.16	18.19	17.92	19.00
20	64QAM	50	24	18.14	18.16	17.88	19.00
20	64QAM	50	50	18.08	18.17	17.91	19.00
20	64QAM	100	0	18.19	18.19	17.95	19.00
20	256QAM	1	0	16.25	16.38	16.13	17.00
20	256QAM	1	49	16.15	16.28	16.10	17.00
20	256QAM	1	99	16.32	16.32	16.08	17.00
20	256QAM	50	0	16.13	16.16	16.02	17.00
20	256QAM	50	24	16.14	16.14	15.88	17.00
20	256QAM	50	50	15.98	16.12	15.91	17.00
20	256QAM	100	0	16.02	16.16	15.90	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.24	21.03	21.02	22.00
15	QPSK	1	37	21.07	21.10	20.80	22.00
15	QPSK	1	74	21.13	21.04	20.93	22.00
15	QPSK	36	0	20.16	20.10	19.80	21.00
15	QPSK	36	20	20.07	20.07	19.87	21.00
15	QPSK	36	39	20.07	20.13	19.86	21.00
15	QPSK	75	0	19.99	20.13	19.80	21.00
15	16QAM	1	0	20.36	20.42	20.36	21.00
15	16QAM	1	37	20.30	20.41	20.21	21.00
15	16QAM	1	74	20.34	20.47	20.24	21.00
15	16QAM	36	0	19.08	19.10	18.91	20.00
15	16QAM	36	20	19.00	19.05	18.92	20.00
15	16QAM	36	39	19.05	19.12	18.83	20.00
15	16QAM	75	0	19.02	19.17	18.89	20.00
15	64QAM	1	0	19.27	19.27	19.00	20.00
15	64QAM	1	37	19.19	19.25	19.04	20.00
15	64QAM	1	74	19.18	19.31	19.09	20.00
15	64QAM	36	0	18.15	18.10	17.85	19.00
15	64QAM	36	20	18.06	18.06	17.84	19.00
15	64QAM	36	39	18.06	18.12	17.87	19.00
15	64QAM	75	0	18.05	18.07	17.93	19.00
15	256QAM	1	0	16.23	16.29	15.99	17.00
15	256QAM	1	37	16.07	16.13	16.02	17.00
15	256QAM	1	74	16.18	16.22	16.03	17.00
15	256QAM	36	0	16.10	16.08	15.88	17.00
15	256QAM	36	20	16.03	16.12	15.82	17.00
15	256QAM	36	39	15.93	16.06	15.85	17.00
15	256QAM	75	0	15.93	16.09	15.81	17.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.18	21.02	20.99	22.00
10	QPSK	1	25	21.09	21.10	20.87	22.00
10	QPSK	1	49	21.11	21.08	20.94	22.00
10	QPSK	25	0	20.12	20.11	19.80	21.00
10	QPSK	25	12	20.07	20.05	19.77	21.00
10	QPSK	25	25	20.03	20.04	19.80	21.00
10	QPSK	50	0	19.99	20.10	19.92	21.00
10	16QAM	1	0	20.29	20.49	20.23	21.00
10	16QAM	1	25	20.38	20.47	20.27	21.00
10	16QAM	1	49	20.33	20.45	20.24	21.00
10	16QAM	25	0	19.14	19.15	18.92	20.00



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10	16QAM	25	12	19.04	19.14	18.86	20.00
10	16QAM	25	25	19.00	19.13	18.85	20.00
10	16QAM	50	0	19.07	19.06	18.92	20.00
10	64QAM	1	0	19.23	19.27	19.11	20.00
10	64QAM	1	25	19.20	19.24	19.03	20.00
10	64QAM	1	49	19.20	19.36	19.18	20.00
10	64QAM	25	0	18.07	18.09	17.89	19.00
10	64QAM	25	12	18.12	18.13	17.87	19.00
10	64QAM	25	25	17.94	18.15	17.82	19.00
10	64QAM	50	0	18.11	18.09	17.84	19.00
10	256QAM	1	0	16.19	16.23	16.01	17.00
10	256QAM	1	25	16.13	16.16	16.05	17.00
10	256QAM	1	49	16.28	16.23	15.95	17.00
10	256QAM	25	0	16.11	16.09	16.00	17.00
10	256QAM	25	12	16.13	16.05	15.77	17.00
10	256QAM	25	25	15.91	15.98	15.88	17.00
10	256QAM	50	0	15.88	16.06	15.76	17.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.19	21.01	21.08	22.00
5	QPSK	1	12	21.07	21.03	20.84	22.00
5	QPSK	1	24	21.10	21.12	20.93	22.00
5	QPSK	12	0	20.12	20.09	19.86	21.00
5	QPSK	12	7	20.18	20.14	19.85	21.00
5	QPSK	12	13	20.14	20.13	19.88	21.00
5	QPSK	25	0	19.96	20.08	19.83	21.00
5	16QAM	1	0	20.30	20.52	20.22	21.00
5	16QAM	1	12	20.33	20.44	20.22	21.00
5	16QAM	1	24	20.34	20.47	20.17	21.00
5	16QAM	12	0	19.16	19.10	18.90	20.00
5	16QAM	12	7	19.03	19.02	18.88	20.00
5	16QAM	12	13	18.99	19.04	18.88	20.00
5	16QAM	25	0	19.07	19.05	18.85	20.00
5	64QAM	1	0	19.26	19.31	19.11	20.00
5	64QAM	1	12	19.13	19.16	18.99	20.00
5	64QAM	1	24	19.24	19.27	19.08	20.00
5	64QAM	12	0	18.10	18.07	17.81	19.00
5	64QAM	12	7	18.00	18.04	17.86	19.00
5	64QAM	12	13	18.04	18.03	17.90	19.00
5	64QAM	25	0	18.12	18.10	17.81	19.00
5	256QAM	1	0	16.12	16.35	16.05	17.00
5	256QAM	1	12	16.02	16.16	15.97	17.00
5	256QAM	1	24	16.25	16.28	15.93	17.00
5	256QAM	12	0	16.06	16.12	15.91	17.00
5	256QAM	12	7	16.02	16.09	15.77	17.00
5	256QAM	12	13	15.96	16.02	15.76	17.00
5	256QAM	25	0	15.96	16.10	15.83	17.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.26	20.97	20.96	22.00
3	QPSK	1	8	21.01	21.14	20.84	22.00
3	QPSK	1	14	21.07	21.16	20.91	22.00
3	QPSK	8	0	20.09	20.10	19.85	21.00
3	QPSK	8	4	20.16	20.14	19.79	21.00
3	QPSK	8	7	20.12	20.09	19.83	21.00
3	QPSK	15	0	20.01	20.07	19.89	21.00
3	16QAM	1	0	20.36	20.44	20.36	21.00
3	16QAM	1	8	20.34	20.43	20.28	21.00
3	16QAM	1	14	20.29	20.48	20.18	21.00
3	16QAM	8	0	19.06	19.16	18.88	20.00
3	16QAM	8	4	18.94	19.03	18.81	20.00
3	16QAM	8	7	18.99	19.15	18.91	20.00
3	16QAM	15	0	19.12	19.10	18.85	20.00
3	64QAM	1	0	19.23	19.31	19.03	20.00
3	64QAM	1	8	19.12	19.29	19.12	20.00
3	64QAM	1	14	19.17	19.33	19.19	20.00
3	64QAM	8	0	18.03	18.09	17.88	19.00
3	64QAM	8	4	18.11	18.02	17.79	19.00
3	64QAM	8	7	18.03	18.08	17.81	19.00
3	64QAM	15	0	18.04	18.16	17.92	19.00
3	256QAM	1	0	16.12	16.35	16.05	17.00
3	256QAM	1	8	16.09	16.26	16.03	17.00
3	256QAM	1	14	16.29	16.25	15.96	17.00
3	256QAM	8	0	16.08	16.10	15.90	17.00
3	256QAM	8	4	16.00	16.10	15.83	17.00
3	256QAM	8	7	15.93	16.06	15.78	17.00
3	256QAM	15	0	16.00	16.13	15.84	17.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.22	20.98	21.09	22.00
1.4	QPSK	1	3	20.99	21.02	20.87	22.00
1.4	QPSK	1	5	21.12	21.10	20.91	22.00
1.4	QPSK	3	0	21.10	21.13	20.88	22.00
1.4	QPSK	3	1	21.17	21.10	20.81	22.00
1.4	QPSK	3	3	21.12	21.08	20.82	22.00
1.4	QPSK	6	0	20.01	20.16	19.91	21.00
1.4	16QAM	1	0	20.35	20.51	20.31	21.00
1.4	16QAM	1	3	20.41	20.47	20.25	21.00
1.4	16QAM	1	5	20.28	20.47	20.23	21.00
1.4	16QAM	3	0	20.04	20.10	19.89	21.00
1.4	16QAM	3	1	20.00	20.09	19.85	21.00
1.4	16QAM	3	3	20.12	20.08	19.83	21.00
1.4	16QAM	6	0	19.07	19.14	18.87	20.00
1.4	64QAM	1	0	19.24	19.35	19.08	20.00
1.4	64QAM	1	3	19.13	19.23	19.11	20.00
1.4	64QAM	1	5	19.17	19.28	19.14	20.00
1.4	64QAM	3	0	19.12	19.14	18.82	20.00
1.4	64QAM	3	1	19.05	19.13	18.81	20.00
1.4	64QAM	3	3	18.95	19.05	18.89	20.00
1.4	64QAM	6	0	18.14	18.14	17.86	19.00
1.4	256QAM	1	0	16.13	16.33	16.01	17.00
1.4	256QAM	1	3	16.10	16.14	16.05	17.00
1.4	256QAM	1	5	16.17	16.28	15.94	17.00
1.4	256QAM	3	0	16.09	16.04	15.89	17.00
1.4	256QAM	3	1	16.11	16.07	15.79	17.00
1.4	256QAM	3	3	15.94	16.02	15.77	17.00
1.4	256QAM	6	0	15.98	16.15	15.85	17.00

【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	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.30	23.14	24.00
20	QPSK	1	49	23.08	23.16	22.91	24.00
20	QPSK	1	99	23.02	23.19	23.03	24.00
20	QPSK	50	0	22.28	22.32	22.16	23.00
20	QPSK	50	24	22.23	22.26	22.02	23.00
20	QPSK	50	50	22.12	22.25	22.14	23.00
20	QPSK	100	0	22.14	22.30	22.20	23.00
20	16QAM	1	0	22.07	22.23	22.20	23.00
20	16QAM	1	49	22.14	22.20	22.16	23.00
20	16QAM	1	99	22.20	22.38	22.09	23.00
20	16QAM	50	0	21.17	21.27	21.09	22.00
20	16QAM	50	24	21.11	21.25	21.02	22.00
20	16QAM	50	50	21.22	21.30	21.12	22.00
20	16QAM	100	0	21.18	21.28	21.10	22.00
20	64QAM	1	0	21.06	21.19	21.18	22.00
20	64QAM	1	49	21.20	21.33	21.05	22.00
20	64QAM	1	99	21.07	21.29	21.17	22.00
20	64QAM	50	0	20.06	20.28	20.11	21.00
20	64QAM	50	24	20.11	20.23	20.16	21.00
20	64QAM	50	50	20.15	20.28	20.07	21.00
20	64QAM	100	0	20.13	20.34	20.06	21.00
20	256QAM	1	0	18.15	18.27	18.13	19.00
20	256QAM	1	49	18.09	18.34	18.00	19.00
20	256QAM	1	99	18.13	18.35	18.10	19.00
20	256QAM	50	0	18.13	18.36	18.17	19.00
20	256QAM	50	24	18.16	18.24	18.10	19.00
20	256QAM	50	50	18.26	18.28	18.11	19.00
20	256QAM	100	0	18.24	18.19	18.18	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.04	23.25	23.11	24.00
15	QPSK	1	37	22.97	23.03	22.83	24.00
15	QPSK	1	74	22.88	23.17	22.93	24.00
15	QPSK	36	0	22.24	22.29	22.03	23.00
15	QPSK	36	20	22.13	22.16	21.89	23.00
15	QPSK	36	39	22.10	22.15	22.03	23.00
15	QPSK	75	0	22.00	22.17	22.12	23.00



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15	16QAM	1	0	21.96	22.17	22.10	23.00
15	16QAM	1	37	22.00	22.19	22.08	23.00
15	16QAM	1	74	22.13	22.33	22.06	23.00
15	16QAM	36	0	21.04	21.17	21.05	22.00
15	16QAM	36	20	21.04	21.20	20.97	22.00
15	16QAM	36	39	21.15	21.18	21.06	22.00
15	16QAM	75	0	21.14	21.17	21.06	22.00
15	64QAM	1	0	20.95	21.07	21.15	22.00
15	64QAM	1	37	21.08	21.26	20.93	22.00
15	64QAM	1	74	21.02	21.18	21.04	22.00
15	64QAM	36	0	19.95	20.20	20.00	21.00
15	64QAM	36	20	20.07	20.15	20.14	21.00
15	64QAM	36	39	20.05	20.27	19.97	21.00
15	64QAM	75	0	20.11	20.30	19.93	21.00
15	256QAM	1	0	18.05	18.17	18.00	19.00
15	256QAM	1	37	18.07	18.19	17.91	19.00
15	256QAM	1	74	17.98	18.30	18.06	19.00
15	256QAM	36	0	18.00	18.29	18.10	19.00
15	256QAM	36	20	18.01	18.20	18.09	19.00
15	256QAM	36	39	18.19	18.21	18.10	19.00
15	256QAM	75	0	18.09	18.15	18.17	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.14	23.25	23.06	24.00
10	QPSK	1	25	22.98	23.12	22.89	24.00
10	QPSK	1	49	23.00	23.09	22.96	24.00
10	QPSK	25	0	22.13	22.24	22.03	23.00
10	QPSK	25	12	22.11	22.24	22.00	23.00
10	QPSK	25	25	22.09	22.19	22.04	23.00
10	QPSK	50	0	22.03	22.23	22.18	23.00
10	16QAM	1	0	22.00	22.14	22.19	23.00
10	16QAM	1	25	22.11	22.07	22.04	23.00
10	16QAM	1	49	22.06	22.36	21.96	23.00
10	16QAM	25	0	21.13	21.20	21.08	22.00
10	16QAM	25	12	21.09	21.12	20.89	22.00
10	16QAM	25	25	21.16	21.26	21.05	22.00
10	16QAM	50	0	21.07	21.17	20.96	22.00
10	64QAM	1	0	20.97	21.14	21.07	22.00
10	64QAM	1	25	21.11	21.27	20.95	22.00
10	64QAM	1	49	20.96	21.25	21.14	22.00
10	64QAM	25	0	20.01	20.18	20.09	21.00
10	64QAM	25	12	20.06	20.15	20.11	21.00
10	64QAM	25	25	20.05	20.24	19.95	21.00
10	64QAM	50	0	20.01	20.21	20.01	21.00
10	256QAM	1	0	18.10	18.18	18.07	19.00
10	256QAM	1	25	17.97	18.22	17.96	19.00
10	256QAM	1	49	17.99	18.25	18.02	19.00
10	256QAM	25	0	18.06	18.30	18.09	19.00
10	256QAM	25	12	18.03	18.19	18.01	19.00
10	256QAM	25	25	18.24	18.25	17.98	19.00
10	256QAM	50	0	18.20	18.12	18.12	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.07	23.22	23.07	24.00
5	QPSK	1	12	23.00	23.14	22.81	24.00
5	QPSK	1	24	22.89	23.15	22.92	24.00
5	QPSK	12	0	22.18	22.31	22.14	23.00
5	QPSK	12	7	22.09	22.14	21.95	23.00
5	QPSK	12	13	21.99	22.19	22.09	23.00
5	QPSK	25	0	22.07	22.27	22.07	23.00
5	16QAM	1	0	21.97	22.16	22.07	23.00
5	16QAM	1	12	22.08	22.14	22.08	23.00
5	16QAM	1	24	22.07	22.29	22.01	23.00
5	16QAM	12	0	21.05	21.21	21.05	22.00
5	16QAM	12	7	21.07	21.20	21.01	22.00
5	16QAM	12	13	21.16	21.17	21.04	22.00
5	16QAM	25	0	21.09	21.18	20.99	22.00
5	64QAM	1	0	21.04	21.11	21.13	22.00
5	64QAM	1	12	21.10	21.22	20.96	22.00
5	64QAM	1	24	20.99	21.22	21.07	22.00
5	64QAM	12	0	20.00	20.24	20.06	21.00
5	64QAM	12	7	20.07	20.11	20.12	21.00
5	64QAM	12	13	20.04	20.22	19.93	21.00
5	64QAM	25	0	20.01	20.22	20.02	21.00
5	256QAM	1	0	18.01	18.13	18.05	19.00
5	256QAM	1	12	18.07	18.30	17.95	19.00
5	256QAM	1	24	18.06	18.26	17.99	19.00
5	256QAM	12	0	18.11	18.35	18.15	19.00



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5	256QAM	12	7	18.02	18.20	17.96	19.00
5	256QAM	12	13	18.20	18.14	18.07	19.00
5	256QAM	25	0	18.13	18.06	18.08	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.07	23.21	23.01	24.00
3	QPSK	1	8	23.00	23.07	22.81	24.00
3	QPSK	1	14	22.90	23.14	22.88	24.00
3	QPSK	8	0	22.26	22.30	22.14	23.00
3	QPSK	8	4	22.19	22.22	21.99	23.00
3	QPSK	8	7	21.98	22.14	22.07	23.00
3	QPSK	15	0	22.13	22.26	22.06	23.00
3	16QAM	1	0	22.06	22.20	22.08	23.00
3	16QAM	1	8	22.04	22.08	22.10	23.00
3	16QAM	1	14	22.10	22.27	22.03	23.00
3	16QAM	8	0	21.10	21.21	21.02	22.00
3	16QAM	8	4	21.01	21.15	20.99	22.00
3	16QAM	8	7	21.16	21.19	21.04	22.00
3	16QAM	15	0	21.14	21.26	21.05	22.00
3	64QAM	1	0	21.04	21.15	21.09	22.00
3	64QAM	1	8	21.16	21.29	20.98	22.00
3	64QAM	1	14	20.96	21.21	21.05	22.00
3	64QAM	8	0	19.93	20.25	20.07	21.00
3	64QAM	8	4	20.08	20.09	20.13	21.00
3	64QAM	8	7	20.11	20.13	20.03	21.00
3	64QAM	15	0	20.00	20.30	19.92	21.00
3	256QAM	1	0	18.07	18.25	18.04	19.00
3	256QAM	1	8	17.95	18.25	17.95	19.00
3	256QAM	1	14	18.00	18.27	17.95	19.00
3	256QAM	8	0	17.99	18.30	18.07	19.00
3	256QAM	8	4	18.07	18.19	18.03	19.00
3	256QAM	8	7	18.25	18.25	18.10	19.00
3	256QAM	15	0	18.20	18.16	18.09	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.03	23.16	23.05	24.00
1.4	QPSK	1	3	22.96	23.05	22.77	24.00
1.4	QPSK	1	5	22.95	23.08	23.00	24.00
1.4	QPSK	3	0	23.21	23.24	23.08	24.00
1.4	QPSK	3	1	23.10	23.23	22.96	24.00
1.4	QPSK	3	3	23.11	23.14	23.02	24.00
1.4	QPSK	6	0	22.12	22.25	22.08	23.00
1.4	16QAM	1	0	22.01	22.14	22.16	23.00
1.4	16QAM	1	3	22.05	22.17	22.04	23.00
1.4	16QAM	1	5	22.16	22.33	22.02	23.00
1.4	16QAM	3	0	22.07	22.26	21.98	23.00
1.4	16QAM	3	1	21.97	22.19	21.88	23.00
1.4	16QAM	3	3	22.17	22.27	22.04	23.00
1.4	16QAM	6	0	21.12	21.16	21.08	22.00
1.4	64QAM	1	0	20.96	21.05	21.04	22.00
1.4	64QAM	1	3	21.16	21.25	20.96	22.00
1.4	64QAM	1	5	20.94	21.17	21.13	22.00
1.4	64QAM	3	0	20.98	21.21	20.98	22.00
1.4	64QAM	3	1	21.04	21.13	21.03	22.00
1.4	64QAM	3	3	21.02	21.18	20.98	22.00
1.4	64QAM	6	0	20.03	20.30	20.00	21.00
1.4	256QAM	1	0	18.12	18.25	18.07	19.00
1.4	256QAM	1	3	17.96	18.31	17.90	19.00
1.4	256QAM	1	5	18.06	18.28	17.99	19.00
1.4	256QAM	3	0	18.10	18.34	18.10	19.00
1.4	256QAM	3	1	18.05	18.20	18.07	19.00
1.4	256QAM	3	3	18.18	18.17	18.08	19.00
1.4	256QAM	6	0	18.23	18.15	18.13	19.00

**【LTE Band 4_Ant 4_ECI 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	16.78	16.81	16.71	17.80
20	QPSK	1	49	16.62	16.67	16.70	17.80
20	QPSK	1	99	16.61	16.63	16.68	17.80
20	QPSK	50	0	16.65	16.77	16.69	17.80
20	QPSK	50	24	16.63	16.68	16.62	17.80
20	QPSK	50	50	16.60	16.69	16.63	17.80
20	QPSK	100	0	16.68	16.73	16.62	17.80
20	16QAM	1	0	16.70	16.63	16.72	17.80
20	16QAM	1	49	16.68	16.65	16.68	17.80
20	16QAM	1	99	16.72	16.72	16.72	17.80
20	16QAM	50	0	16.61	16.72	16.61	17.80
20	16QAM	50	24	16.72	16.71	16.70	17.80
20	16QAM	50	50	16.67	16.61	16.65	17.80
20	16QAM	100	0	16.64	16.73	16.68	17.80
20	64QAM	1	0	16.61	16.65	16.69	17.80
20	64QAM	1	49	16.62	16.62	16.68	17.80
20	64QAM	1	99	16.66	16.64	16.64	17.80
20	64QAM	50	0	16.64	16.69	16.71	17.80
20	64QAM	50	24	16.62	16.65	16.69	17.80
20	64QAM	50	50	16.67	16.64	16.63	17.80
20	64QAM	100	0	16.64	16.71	16.66	17.80
20	256QAM	1	0	16.25	16.38	16.13	17.00
20	256QAM	1	49	16.15	16.28	16.10	17.00
20	256QAM	1	99	16.32	16.32	16.08	17.00
20	256QAM	50	0	16.13	16.16	16.02	17.00
20	256QAM	50	24	16.14	16.14	15.88	17.00
20	256QAM	50	50	15.98	16.12	15.91	17.00
20	256QAM	100	0	16.02	16.16	15.90	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.73	16.71	16.64	17.80
15	QPSK	1	37	16.60	16.63	16.62	17.80
15	QPSK	1	74	16.46	16.49	16.62	17.80
15	QPSK	36	0	16.63	16.66	16.63	17.80
15	QPSK	36	20	16.58	16.60	16.52	17.80
15	QPSK	36	39	16.50	16.62	16.61	17.80
15	QPSK	75	0	16.61	16.69	16.55	17.80
15	16QAM	1	0	16.61	16.50	16.58	17.80
15	16QAM	1	37	16.54	16.59	16.61	17.80
15	16QAM	1	74	16.59	16.66	16.67	17.80
15	16QAM	36	0	16.58	16.58	16.58	17.80
15	16QAM	36	20	16.66	16.65	16.55	17.80
15	16QAM	36	39	16.53	16.59	16.59	17.80
15	16QAM	75	0	16.55	16.69	16.60	17.80
15	64QAM	1	0	16.54	16.55	16.59	17.80
15	64QAM	1	37	16.55	16.60	16.65	17.80
15	64QAM	1	74	16.55	16.58	16.57	17.80
15	64QAM	36	0	16.62	16.59	16.59	17.80
15	64QAM	36	20	16.56	16.60	16.68	17.80
15	64QAM	36	39	16.56	16.63	16.62	17.80
15	64QAM	75	0	16.60	16.62	16.56	17.80
15	256QAM	1	0	16.23	16.29	15.99	17.00
15	256QAM	1	37	16.07	16.13	16.02	17.00
15	256QAM	1	74	16.18	16.22	16.03	17.00
15	256QAM	36	0	16.10	16.08	15.88	17.00
15	256QAM	36	20	16.03	16.12	15.82	17.00
15	256QAM	36	39	15.93	16.06	15.85	17.00
15	256QAM	75	0	15.93	16.09	15.81	17.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.72	16.73	16.62	17.80
10	QPSK	1	25	16.56	16.55	16.62	17.80
10	QPSK	1	49	16.54	16.54	16.56	17.80
10	QPSK	25	0	16.56	16.62	16.56	17.80
10	QPSK	25	12	16.52	16.58	16.58	17.80
10	QPSK	25	25	16.57	16.55	16.58	17.80
10	QPSK	50	0	16.59	16.59	16.55	17.80
10	16QAM	1	0	16.56	16.60	16.64	17.80
10	16QAM	1	25	16.67	16.61	16.56	17.80



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10	16QAM	1	49	16.62	16.71	16.58	17.80
10	16QAM	25	0	16.56	16.60	16.60	17.80
10	16QAM	25	12	16.67	16.63	16.56	17.80
10	16QAM	25	25	16.60	16.49	16.59	17.80
10	16QAM	50	0	16.56	16.61	16.54	17.80
10	64QAM	1	0	16.48	16.59	16.64	17.80
10	64QAM	1	25	16.51	16.52	16.63	17.80
10	64QAM	1	49	16.53	16.60	16.62	17.80
10	64QAM	25	0	16.57	16.55	16.59	17.80
10	64QAM	25	12	16.56	16.53	16.65	17.80
10	64QAM	25	25	16.59	16.50	16.60	17.80
10	64QAM	50	0	16.55	16.65	16.54	17.80
10	256QAM	1	0	16.19	16.23	16.01	17.00
10	256QAM	1	25	16.13	16.16	16.05	17.00
10	256QAM	1	49	16.28	16.23	15.95	17.00
10	256QAM	25	0	16.11	16.09	16.00	17.00
10	256QAM	25	12	16.13	16.05	15.77	17.00
10	256QAM	25	25	15.91	15.98	15.88	17.00
10	256QAM	50	0	15.88	16.06	15.76	17.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.69	16.72	16.67	17.80
5	QPSK	1	12	16.49	16.54	16.60	17.80
5	QPSK	1	24	16.57	16.55	16.62	17.80
5	QPSK	12	0	16.51	16.73	16.58	17.80
5	QPSK	12	7	16.49	16.56	16.51	17.80
5	QPSK	12	13	16.48	16.61	16.53	17.80
5	QPSK	25	0	16.65	16.64	16.59	17.80
5	16QAM	1	0	16.56	16.60	16.62	17.80
5	16QAM	1	12	16.63	16.57	16.60	17.80
5	16QAM	1	24	16.62	16.58	16.62	17.80
5	16QAM	12	0	16.56	16.61	16.51	17.80
5	16QAM	12	7	16.66	16.69	16.68	17.80
5	16QAM	12	13	16.61	16.53	16.60	17.80
5	16QAM	25	0	16.55	16.63	16.58	17.80
5	64QAM	1	0	16.49	16.58	16.57	17.80
5	64QAM	1	12	16.59	16.54	16.54	17.80
5	64QAM	1	24	16.56	16.52	16.55	17.80
5	64QAM	12	0	16.57	16.58	16.64	17.80
5	64QAM	12	7	16.56	16.54	16.60	17.80
5	64QAM	12	13	16.66	16.56	16.50	17.80
5	64QAM	25	0	16.57	16.70	16.60	17.80
5	256QAM	1	0	16.12	16.35	16.05	17.00
5	256QAM	1	12	16.02	16.16	15.97	17.00
5	256QAM	1	24	16.25	16.28	15.93	17.00
5	256QAM	12	0	16.06	16.12	15.91	17.00
5	256QAM	12	7	16.02	16.09	15.77	17.00
5	256QAM	12	13	15.96	16.02	15.76	17.00
5	256QAM	25	0	15.96	16.10	15.83	17.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.74	16.68	16.69	17.80
3	QPSK	1	8	16.56	16.61	16.63	17.80
3	QPSK	1	14	16.47	16.61	16.62	17.80
3	QPSK	8	0	16.55	16.73	16.59	17.80
3	QPSK	8	4	16.59	16.60	16.49	17.80
3	QPSK	8	7	16.58	16.61	16.55	17.80
3	QPSK	15	0	16.54	16.64	16.47	17.80
3	16QAM	1	0	16.58	16.57	16.59	17.80
3	16QAM	1	8	16.56	16.55	16.64	17.80
3	16QAM	1	14	16.65	16.69	16.60	17.80
3	16QAM	8	0	16.51	16.62	16.46	17.80
3	16QAM	8	4	16.60	16.64	16.63	17.80
3	16QAM	8	7	16.59	16.51	16.56	17.80
3	16QAM	15	0	16.49	16.69	16.65	17.80
3	64QAM	1	0	16.58	16.62	16.56	17.80
3	64QAM	1	8	16.54	16.56	16.62	17.80
3	64QAM	1	14	16.52	16.56	16.50	17.80
3	64QAM	8	0	16.53	16.63	16.64	17.80
3	64QAM	8	4	16.48	16.56	16.63	17.80
3	64QAM	8	7	16.57	16.59	16.52	17.80
3	64QAM	15	0	16.50	16.58	16.55	17.80
3	256QAM	1	0	16.12	16.35	16.05	17.00
3	256QAM	1	8	16.09	16.26	16.03	17.00
3	256QAM	1	14	16.29	16.25	15.96	17.00
3	256QAM	8	0	16.08	16.10	15.90	17.00
3	256QAM	8	4	16.00	16.10	15.83	17.00
3	256QAM	8	7	15.93	16.06	15.78	17.00



3	256QAM	15	0	16.00	16.13	15.84	17.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.65	16.67	16.57	17.80
1.4	QPSK	1	3	16.59	16.55	16.64	17.80
1.4	QPSK	1	5	16.55	16.52	16.64	17.80
1.4	QPSK	3	0	16.55	16.70	16.54	17.80
1.4	QPSK	3	1	16.52	16.54	16.49	17.80
1.4	QPSK	3	3	16.56	16.61	16.48	17.80
1.4	QPSK	6	0	16.64	16.68	16.52	17.80
1.4	16QAM	1	0	16.64	16.60	16.66	17.80
1.4	16QAM	1	3	16.57	16.62	16.57	17.80
1.4	16QAM	1	5	16.63	16.63	16.59	17.80
1.4	16QAM	3	0	16.52	16.70	16.58	17.80
1.4	16QAM	3	1	16.63	16.63	16.65	17.80
1.4	16QAM	3	3	16.63	16.58	16.61	17.80
1.4	16QAM	6	0	16.61	16.67	16.63	17.80
1.4	64QAM	1	0	16.50	16.63	16.58	17.80
1.4	64QAM	1	3	16.53	16.56	16.58	17.80
1.4	64QAM	1	5	16.62	16.60	16.59	17.80
1.4	64QAM	3	0	16.53	16.60	16.68	17.80
1.4	64QAM	3	1	16.55	16.53	16.60	17.80
1.4	64QAM	3	3	16.60	16.50	16.48	17.80
1.4	64QAM	6	0	16.61	16.59	16.56	17.80
1.4	256QAM	1	0	16.13	16.33	16.01	17.00
1.4	256QAM	1	3	16.10	16.14	16.05	17.00
1.4	256QAM	1	5	16.17	16.28	15.94	17.00
1.4	256QAM	3	0	16.09	16.04	15.89	17.00
1.4	256QAM	3	1	16.11	16.07	15.79	17.00
1.4	256QAM	3	3	15.94	16.02	15.77	17.00
1.4	256QAM	6	0	15.98	16.15	15.85	17.00

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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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.86	16.82	16.77	17.80
20	QPSK	1	49	16.66	16.75	16.78	17.80
20	QPSK	1	99	16.63	16.67	16.63	17.80
20	QPSK	50	0	16.71	16.69	16.69	17.80
20	QPSK	50	24	16.67	16.67	16.68	17.80
20	QPSK	50	50	16.58	16.68	16.68	17.80
20	QPSK	100	0	16.69	16.75	16.67	17.80
20	16QAM	1	0	16.64	16.59	16.69	17.80
20	16QAM	1	49	16.66	16.63	16.67	17.80
20	16QAM	1	99	16.62	16.68	16.67	17.80
20	16QAM	50	0	16.61	16.67	16.70	17.80
20	16QAM	50	24	16.63	16.73	16.74	17.80
20	16QAM	50	50	16.62	16.67	16.62	17.80
20	16QAM	100	0	16.73	16.69	16.73	17.80
20	64QAM	1	0	16.73	16.79	16.74	17.80
20	64QAM	1	49	16.70	16.68	16.74	17.80
20	64QAM	1	99	16.72	16.75	16.65	17.80
20	64QAM	50	0	16.76	16.61	16.78	17.80
20	64QAM	50	24	16.69	16.69	16.62	17.80
20	64QAM	50	50	16.65	16.58	16.61	17.80
20	64QAM	100	0	16.76	16.71	16.62	17.80
20	256QAM	1	0	16.66	16.65	16.63	17.80
20	256QAM	1	49	16.74	16.73	16.70	17.80
20	256QAM	1	99	16.74	16.68	16.71	17.80
20	256QAM	50	0	16.73	16.60	16.74	17.80
20	256QAM	50	24	16.75	16.66	16.59	17.80
20	256QAM	50	50	16.63	16.78	16.74	17.80
20	256QAM	100	0	16.72	16.71	16.70	17.80
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.84	16.71	16.68	17.80
15	QPSK	1	37	16.58	16.64	16.64	17.80
15	QPSK	1	74	16.62	16.57	16.55	17.80
15	QPSK	36	0	16.63	16.58	16.67	17.80
15	QPSK	36	20	16.56	16.65	16.57	17.80



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15	QPSK	36	39	16.48	16.57	16.53	17.80
15	QPSK	75	0	16.54	16.65	16.59	17.80
15	16QAM	1	0	16.55	16.58	16.58	17.80
15	16QAM	1	37	16.60	16.57	16.54	17.80
15	16QAM	1	74	16.58	16.61	16.63	17.80
15	16QAM	36	0	16.53	16.53	16.57	17.80
15	16QAM	36	20	16.54	16.66	16.66	17.80
15	16QAM	36	39	16.57	16.58	16.48	17.80
15	16QAM	75	0	16.58	16.68	16.60	17.80
15	64QAM	1	0	16.60	16.65	16.64	17.80
15	64QAM	1	37	16.57	16.55	16.67	17.80
15	64QAM	1	74	16.71	16.61	16.52	17.80
15	64QAM	36	0	16.67	16.51	16.69	17.80
15	64QAM	36	20	16.56	16.60	16.55	17.80
15	64QAM	36	39	16.56	16.50	16.52	17.80
15	64QAM	75	0	16.74	16.68	16.47	17.80
15	256QAM	1	0	16.53	16.52	16.52	17.80
15	256QAM	1	37	16.68	16.69	16.67	17.80
15	256QAM	1	74	16.60	16.62	16.68	17.80
15	256QAM	36	0	16.59	16.53	16.64	17.80
15	256QAM	36	20	16.61	16.57	16.45	17.80
15	256QAM	36	39	16.52	16.64	16.64	17.80
15	256QAM	75	0	16.69	16.64	16.61	17.80
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.85	16.73	16.72	17.80
10	QPSK	1	25	16.62	16.67	16.71	17.80
10	QPSK	1	49	16.50	16.60	16.53	17.80
10	QPSK	25	0	16.60	16.57	16.66	17.80
10	QPSK	25	12	16.62	16.58	16.65	17.80
10	QPSK	25	25	16.51	16.67	16.54	17.80
10	QPSK	50	0	16.55	16.62	16.61	17.80
10	16QAM	1	0	16.50	16.50	16.55	17.80
10	16QAM	1	25	16.54	16.57	16.64	17.80
10	16QAM	1	49	16.59	16.56	16.59	17.80
10	16QAM	25	0	16.56	16.62	16.61	17.80
10	16QAM	25	12	16.49	16.63	16.67	17.80
10	16QAM	25	25	16.61	16.61	16.61	17.80
10	16QAM	50	0	16.66	16.57	16.71	17.80
10	64QAM	1	0	16.60	16.75	16.67	17.80
10	64QAM	1	25	16.57	16.58	16.62	17.80
10	64QAM	1	49	16.74	16.73	16.51	17.80
10	64QAM	25	0	16.64	16.51	16.74	17.80
10	64QAM	25	12	16.65	16.57	16.57	17.80
10	64QAM	25	25	16.61	16.47	16.51	17.80
10	64QAM	50	0	16.74	16.70	16.52	17.80
10	256QAM	1	0	16.60	16.60	16.49	17.80
10	256QAM	1	25	16.62	16.64	16.57	17.80
10	256QAM	1	49	16.63	16.64	16.63	17.80
10	256QAM	25	0	16.72	16.58	16.67	17.80
10	256QAM	25	12	16.68	16.53	16.53	17.80
10	256QAM	25	25	16.51	16.73	16.63	17.80
10	256QAM	50	0	16.67	16.59	16.67	17.80
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.76	16.78	16.69	17.80
5	QPSK	1	12	16.60	16.66	16.75	17.80
5	QPSK	1	24	16.56	16.57	16.62	17.80
5	QPSK	12	0	16.57	16.63	16.66	17.80
5	QPSK	12	7	16.55	16.61	16.65	17.80
5	QPSK	12	13	16.53	16.58	16.63	17.80
5	QPSK	25	0	16.62	16.64	16.59	17.80
5	16QAM	1	0	16.53	16.56	16.64	17.80
5	16QAM	1	12	16.56	16.58	16.64	17.80
5	16QAM	1	24	16.58	16.58	16.53	17.80
5	16QAM	12	0	16.55	16.60	16.58	17.80
5	16QAM	12	7	16.50	16.71	16.71	17.80
5	16QAM	12	13	16.54	16.59	16.52	17.80
5	16QAM	25	0	16.69	16.65	16.66	17.80
5	64QAM	1	0	16.58	16.78	16.63	17.80
5	64QAM	1	12	16.61	16.60	16.67	17.80
5	64QAM	1	24	16.70	16.68	16.62	17.80
5	64QAM	12	0	16.62	16.51	16.73	17.80
5	64QAM	12	7	16.59	16.66	16.52	17.80
5	64QAM	12	13	16.61	16.52	16.46	17.80
5	64QAM	25	0	16.65	16.68	16.57	17.80
5	256QAM	1	0	16.52	16.55	16.58	17.80
5	256QAM	1	12	16.67	16.61	16.56	17.80



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5	256QAM	1	24	16.67	16.66	16.62	17.80
5	256QAM	12	0	16.70	16.47	16.68	17.80
5	256QAM	12	7	16.68	16.65	16.56	17.80
5	256QAM	12	13	16.59	16.70	16.67	17.80
5	256QAM	25	0	16.59	16.62	16.57	17.80
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.79	16.67	16.71	17.80
3	QPSK	1	8	16.63	16.69	16.67	17.80
3	QPSK	1	14	16.57	16.62	16.57	17.80
3	QPSK	8	0	16.62	16.60	16.68	17.80
3	QPSK	8	4	16.58	16.63	16.66	17.80
3	QPSK	8	7	16.52	16.55	16.60	17.80
3	QPSK	15	0	16.63	16.72	16.54	17.80
3	16QAM	1	0	16.50	16.44	16.57	17.80
3	16QAM	1	8	16.53	16.53	16.63	17.80
3	16QAM	1	14	16.52	16.56	16.59	17.80
3	16QAM	8	0	16.53	16.59	16.56	17.80
3	16QAM	8	4	16.51	16.61	16.71	17.80
3	16QAM	8	7	16.50	16.54	16.50	17.80
3	16QAM	15	0	16.68	16.67	16.71	17.80
3	64QAM	1	0	16.69	16.71	16.72	17.80
3	64QAM	1	8	16.67	16.66	16.64	17.80
3	64QAM	1	14	16.62	16.72	16.64	17.80
3	64QAM	8	0	16.70	16.55	16.72	17.80
3	64QAM	8	4	16.68	16.57	16.56	17.80
3	64QAM	8	7	16.53	16.47	16.49	17.80
3	64QAM	15	0	16.69	16.67	16.54	17.80
3	256QAM	1	0	16.62	16.51	16.50	17.80
3	256QAM	1	8	16.69	16.70	16.55	17.80
3	256QAM	1	14	16.70	16.56	16.63	17.80
3	256QAM	8	0	16.60	16.47	16.64	17.80
3	256QAM	8	4	16.67	16.57	16.48	17.80
3	256QAM	8	7	16.61	16.72	16.63	17.80
3	256QAM	15	0	16.59	16.56	16.61	17.80
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.73	16.70	16.63	17.80
1.4	QPSK	1	3	16.56	16.65	16.75	17.80
1.4	QPSK	1	5	16.61	16.64	16.54	17.80
1.4	QPSK	3	0	16.67	16.57	16.61	17.80
1.4	QPSK	3	1	16.54	16.62	16.57	17.80
1.4	QPSK	3	3	16.52	16.57	16.65	17.80
1.4	QPSK	6	0	16.55	16.64	16.62	17.80
1.4	16QAM	1	0	16.51	16.56	16.57	17.80
1.4	16QAM	1	3	16.57	16.60	16.52	17.80
1.4	16QAM	1	5	16.55	16.54	16.58	17.80
1.4	16QAM	3	0	16.59	16.58	16.66	17.80
1.4	16QAM	3	1	16.59	16.69	16.61	17.80
1.4	16QAM	3	3	16.61	16.56	16.52	17.80
1.4	16QAM	6	0	16.58	16.64	16.70	17.80
1.4	64QAM	1	0	16.67	16.66	16.68	17.80
1.4	64QAM	1	3	16.63	16.64	16.66	17.80
1.4	64QAM	1	5	16.71	16.73	16.61	17.80
1.4	64QAM	3	0	16.64	16.47	16.68	17.80
1.4	64QAM	3	1	16.63	16.58	16.51	17.80
1.4	64QAM	3	3	16.57	16.48	16.60	17.80
1.4	64QAM	6	0	16.65	16.59	16.57	17.80
1.4	256QAM	1	0	16.62	16.56	16.50	17.80
1.4	256QAM	1	3	16.69	16.61	16.64	17.80
1.4	256QAM	1	5	16.65	16.62	16.62	17.80
1.4	256QAM	3	0	16.71	16.49	16.62	17.80
1.4	256QAM	3	1	16.60	16.55	16.56	17.80
1.4	256QAM	3	3	16.56	16.71	16.63	17.80
1.4	256QAM	6	0	16.63	16.69	16.58	17.80

**【LTE Band 4_Ant 4_ECI 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	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.43	18.45	18.42	19.50
20	QPSK	1	49	18.31	18.30	18.33	19.50
20	QPSK	1	99	18.28	18.33	18.32	19.50
20	QPSK	50	0	18.35	18.38	18.36	19.50
20	QPSK	50	24	18.32	18.30	18.33	19.50
20	QPSK	50	50	18.29	18.34	18.29	19.50
20	QPSK	100	0	18.32	18.37	18.31	19.50
20	16QAM	1	0	18.35	18.35	18.33	19.50
20	16QAM	1	49	18.28	18.34	18.39	19.50
20	16QAM	1	99	18.27	18.32	18.36	19.50
20	16QAM	50	0	18.38	18.30	18.27	19.50
20	16QAM	50	24	18.37	18.37	18.28	19.50
20	16QAM	50	50	18.32	18.39	18.33	19.50
20	16QAM	100	0	18.27	18.36	18.36	19.50
20	64QAM	1	0	18.35	18.33	18.27	19.50
20	64QAM	1	49	18.28	18.38	18.31	19.50
20	64QAM	1	99	18.27	18.34	18.31	19.50
20	64QAM	50	0	18.31	18.29	18.30	19.50
20	64QAM	50	24	18.32	18.30	18.30	19.50
20	64QAM	50	50	18.27	18.31	18.33	19.50
20	64QAM	100	0	18.37	18.31	18.30	19.50
20	256QAM	1	0	16.25	16.38	16.13	17.00
20	256QAM	1	49	16.15	16.28	16.10	17.00
20	256QAM	1	99	16.32	16.32	16.08	17.00
20	256QAM	50	0	16.13	16.16	16.02	17.00
20	256QAM	50	24	16.14	16.14	15.88	17.00
20	256QAM	50	50	15.98	16.12	15.91	17.00
20	256QAM	100	0	16.02	16.16	15.90	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.31	18.38	18.32	19.50
15	QPSK	1	37	18.26	18.23	18.28	19.50
15	QPSK	1	74	18.14	18.32	18.27	19.50
15	QPSK	36	0	18.34	18.31	18.34	19.50
15	QPSK	36	20	18.25	18.23	18.29	19.50
15	QPSK	36	39	18.15	18.30	18.24	19.50
15	QPSK	75	0	18.21	18.31	18.28	19.50
15	16QAM	1	0	18.33	18.22	18.29	19.50
15	16QAM	1	37	18.20	18.28	18.27	19.50
15	16QAM	1	74	18.22	18.29	18.27	19.50
15	16QAM	36	0	18.25	18.18	18.25	19.50
15	16QAM	36	20	18.28	18.34	18.23	19.50
15	16QAM	36	39	18.25	18.30	18.21	19.50
15	16QAM	75	0	18.21	18.22	18.24	19.50
15	64QAM	1	0	18.20	18.32	18.17	19.50
15	64QAM	1	37	18.15	18.30	18.23	19.50
15	64QAM	1	74	18.22	18.21	18.16	19.50
15	64QAM	36	0	18.16	18.17	18.17	19.50
15	64QAM	36	20	18.23	18.20	18.16	19.50
15	64QAM	36	39	18.19	18.18	18.18	19.50
15	64QAM	75	0	18.24	18.29	18.28	19.50
15	256QAM	1	0	16.14	16.23	16.07	17.00
15	256QAM	1	37	16.06	16.27	16.07	17.00
15	256QAM	1	74	16.22	16.21	15.95	17.00
15	256QAM	36	0	15.98	16.07	15.94	17.00
15	256QAM	36	20	16.10	16.06	15.76	17.00
15	256QAM	36	39	15.91	16.05	15.76	17.00
15	256QAM	75	0	15.97	16.02	15.82	17.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.42	18.35	18.32	19.50
10	QPSK	1	25	18.23	18.16	18.29	19.50
10	QPSK	1	49	18.23	18.28	18.19	19.50
10	QPSK	25	0	18.32	18.29	18.28	19.50
10	QPSK	25	12	18.29	18.21	18.24	19.50
10	QPSK	25	25	18.21	18.26	18.25	19.50
10	QPSK	50	0	18.17	18.23	18.27	19.50
10	16QAM	1	0	18.32	18.30	18.26	19.50
10	16QAM	1	25	18.18	18.31	18.27	19.50



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10	16QAM	1	49	18.21	18.22	18.24	19.50
10	16QAM	25	0	18.27	18.20	18.17	19.50
10	16QAM	25	12	18.31	18.29	18.26	19.50
10	16QAM	25	25	18.24	18.28	18.25	19.50
10	16QAM	50	0	18.15	18.34	18.30	19.50
10	64QAM	1	0	18.27	18.19	18.17	19.50
10	64QAM	1	25	18.20	18.33	18.22	19.50
10	64QAM	1	49	18.15	18.24	18.26	19.50
10	64QAM	25	0	18.20	18.18	18.26	19.50
10	64QAM	25	12	18.23	18.21	18.19	19.50
10	64QAM	25	25	18.14	18.17	18.27	19.50
10	64QAM	50	0	18.25	18.17	18.17	19.50
10	256QAM	1	0	16.13	16.27	16.05	17.00
10	256QAM	1	25	16.11	16.15	16.04	17.00
10	256QAM	1	49	16.25	16.20	15.96	17.00
10	256QAM	25	0	16.01	16.12	15.99	17.00
10	256QAM	25	12	16.04	16.00	15.75	17.00
10	256QAM	25	25	15.88	16.06	15.83	17.00
10	256QAM	50	0	15.89	16.07	15.78	17.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.41	18.31	18.31	19.50
5	QPSK	1	12	18.27	18.22	18.19	19.50
5	QPSK	1	24	18.24	18.29	18.31	19.50
5	QPSK	12	0	18.27	18.36	18.33	19.50
5	QPSK	12	7	18.22	18.23	18.30	19.50
5	QPSK	12	13	18.15	18.26	18.14	19.50
5	QPSK	25	0	18.23	18.33	18.17	19.50
5	16QAM	1	0	18.21	18.33	18.25	19.50
5	16QAM	1	12	18.26	18.29	18.37	19.50
5	16QAM	1	24	18.16	18.25	18.25	19.50
5	16QAM	12	0	18.26	18.20	18.19	19.50
5	16QAM	12	7	18.23	18.32	18.27	19.50
5	16QAM	12	13	18.29	18.37	18.19	19.50
5	16QAM	25	0	18.15	18.31	18.26	19.50
5	64QAM	1	0	18.25	18.21	18.26	19.50
5	64QAM	1	12	18.14	18.26	18.23	19.50
5	64QAM	1	24	18.23	18.25	18.24	19.50
5	64QAM	12	0	18.17	18.19	18.21	19.50
5	64QAM	12	7	18.25	18.27	18.18	19.50
5	64QAM	12	13	18.15	18.25	18.22	19.50
5	64QAM	25	0	18.26	18.26	18.18	19.50
5	256QAM	1	0	16.18	16.35	16.00	17.00
5	256QAM	1	12	16.03	16.19	16.08	17.00
5	256QAM	1	24	16.30	16.23	15.99	17.00
5	256QAM	12	0	15.98	16.12	15.99	17.00
5	256QAM	12	7	16.07	15.99	15.77	17.00
5	256QAM	12	13	15.96	16.06	15.80	17.00
5	256QAM	25	0	15.89	16.11	15.76	17.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.39	18.42	18.32	19.50
3	QPSK	1	8	18.19	18.18	18.31	19.50
3	QPSK	1	14	18.14	18.19	18.25	19.50
3	QPSK	8	0	18.21	18.30	18.26	19.50
3	QPSK	8	4	18.28	18.25	18.20	19.50
3	QPSK	8	7	18.23	18.20	18.25	19.50
3	QPSK	15	0	18.29	18.35	18.20	19.50
3	16QAM	1	0	18.29	18.30	18.19	19.50
3	16QAM	1	8	18.19	18.32	18.25	19.50
3	16QAM	1	14	18.14	18.20	18.34	19.50
3	16QAM	8	0	18.28	18.25	18.17	19.50
3	16QAM	8	4	18.23	18.33	18.25	19.50
3	16QAM	8	7	18.24	18.36	18.26	19.50
3	16QAM	15	0	18.14	18.23	18.27	19.50
3	64QAM	1	0	18.23	18.20	18.24	19.50
3	64QAM	1	8	18.14	18.24	18.16	19.50
3	64QAM	1	14	18.25	18.29	18.27	19.50
3	64QAM	8	0	18.27	18.25	18.21	19.50
3	64QAM	8	4	18.19	18.21	18.19	19.50
3	64QAM	8	7	18.24	18.17	18.23	19.50
3	64QAM	15	0	18.28	18.27	18.28	19.50
3	256QAM	1	0	16.14	16.27	16.08	17.00
3	256QAM	1	8	16.00	16.23	15.96	17.00
3	256QAM	1	14	16.23	16.25	15.93	17.00
3	256QAM	8	0	16.05	16.02	15.97	17.00
3	256QAM	8	4	16.05	16.08	15.77	17.00
3	256QAM	8	7	15.91	15.99	15.87	17.00



3	256QAM	15	0	15.98	16.05	15.86	17.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.30	18.35	18.33	19.50
1.4	QPSK	1	3	18.26	18.28	18.29	19.50
1.4	QPSK	1	5	18.20	18.26	18.29	19.50
1.4	QPSK	3	0	18.30	18.30	18.33	19.50
1.4	QPSK	3	1	18.26	18.27	18.20	19.50
1.4	QPSK	3	3	18.19	18.20	18.17	19.50
1.4	QPSK	6	0	18.20	18.27	18.26	19.50
1.4	16QAM	1	0	18.26	18.30	18.29	19.50
1.4	16QAM	1	3	18.26	18.30	18.29	19.50
1.4	16QAM	1	5	18.23	18.24	18.30	19.50
1.4	16QAM	3	0	18.31	18.27	18.18	19.50
1.4	16QAM	3	1	18.33	18.32	18.15	19.50
1.4	16QAM	3	3	18.26	18.26	18.29	19.50
1.4	16QAM	6	0	18.22	18.32	18.23	19.50
1.4	64QAM	1	0	18.23	18.30	18.23	19.50
1.4	64QAM	1	3	18.25	18.31	18.17	19.50
1.4	64QAM	1	5	18.25	18.27	18.19	19.50
1.4	64QAM	3	0	18.22	18.24	18.17	19.50
1.4	64QAM	3	1	18.21	18.17	18.27	19.50
1.4	64QAM	3	3	18.20	18.18	18.29	19.50
1.4	64QAM	6	0	18.32	18.27	18.22	19.50
1.4	256QAM	1	0	16.11	16.30	16.01	17.00
1.4	256QAM	1	3	16.01	16.25	15.97	17.00
1.4	256QAM	1	5	16.24	16.27	16.01	17.00
1.4	256QAM	3	0	16.01	16.05	15.92	17.00
1.4	256QAM	3	1	16.03	16.05	15.82	17.00
1.4	256QAM	3	3	15.90	16.00	15.79	17.00
1.4	256QAM	6	0	15.95	16.10	15.88	17.00

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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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.36	18.41	18.34	19.50
20	QPSK	1	49	18.20	18.25	18.10	19.50
20	QPSK	1	99	18.25	18.27	18.27	19.50
20	QPSK	50	0	18.30	18.33	18.27	19.50
20	QPSK	50	24	18.23	18.33	18.17	19.50
20	QPSK	50	50	18.24	18.29	18.19	19.50
20	QPSK	100	0	18.20	18.22	18.27	19.50
20	16QAM	1	0	18.24	18.26	18.22	19.50
20	16QAM	1	49	18.13	18.24	18.20	19.50
20	16QAM	1	99	18.13	18.30	18.18	19.50
20	16QAM	50	0	18.27	18.20	18.22	19.50
20	16QAM	50	24	18.27	18.26	18.27	19.50
20	16QAM	50	50	18.31	18.26	18.28	19.50
20	16QAM	100	0	18.24	18.16	18.11	19.50
20	64QAM	1	0	18.21	18.27	18.31	19.50
20	64QAM	1	49	18.22	18.11	18.27	19.50
20	64QAM	1	99	18.26	18.26	18.29	19.50
20	64QAM	50	0	18.15	18.19	18.23	19.50
20	64QAM	50	24	18.22	18.21	18.17	19.50
20	64QAM	50	50	18.18	18.28	18.32	19.50
20	64QAM	100	0	18.13	18.30	18.25	19.50
20	256QAM	1	0	17.94	17.94	17.94	18.50
20	256QAM	1	49	17.92	17.94	17.73	18.50
20	256QAM	1	99	17.83	17.84	17.93	18.50
20	256QAM	50	0	17.80	17.84	17.79	18.50
20	256QAM	50	24	17.85	17.81	17.71	18.50
20	256QAM	50	50	17.83	17.86	17.82	18.50
20	256QAM	100	0	17.88	17.91	17.81	18.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.25	18.34	18.24	19.50
15	QPSK	1	37	18.18	18.17	18.05	19.50
15	QPSK	1	74	18.18	18.15	18.19	19.50
15	QPSK	36	0	18.21	18.25	18.15	19.50
15	QPSK	36	20	18.13	18.20	18.12	19.50



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15	QPSK	36	39	18.13	18.15	18.05	19.50
15	QPSK	75	0	18.13	18.15	18.23	19.50
15	16QAM	1	0	18.10	18.18	18.14	19.50
15	16QAM	1	37	18.08	18.20	18.16	19.50
15	16QAM	1	74	18.09	18.28	18.06	19.50
15	16QAM	36	0	18.18	18.11	18.14	19.50
15	16QAM	36	20	18.23	18.21	18.14	19.50
15	16QAM	36	39	18.23	18.21	18.19	19.50
15	16QAM	75	0	18.19	18.06	18.02	19.50
15	64QAM	1	0	18.18	18.14	18.25	19.50
15	64QAM	1	37	18.19	18.10	18.24	19.50
15	64QAM	1	74	18.22	18.14	18.25	19.50
15	64QAM	36	0	18.11	18.10	18.14	19.50
15	64QAM	36	20	18.12	18.11	18.04	19.50
15	64QAM	36	39	18.16	18.17	18.27	19.50
15	64QAM	75	0	18.08	18.25	18.11	19.50
15	256QAM	1	0	17.89	17.84	17.92	18.50
15	256QAM	1	37	17.78	17.89	17.71	18.50
15	256QAM	1	74	17.81	17.76	17.83	18.50
15	256QAM	36	0	17.76	17.72	17.66	18.50
15	256QAM	36	20	17.82	17.74	17.61	18.50
15	256QAM	36	39	17.72	17.77	17.74	18.50
15	256QAM	75	0	17.73	17.82	17.69	18.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.34	18.26	18.27	19.50
10	QPSK	1	25	18.17	18.11	18.03	19.50
10	QPSK	1	49	18.13	18.23	18.16	19.50
10	QPSK	25	0	18.22	18.26	18.14	19.50
10	QPSK	25	12	18.12	18.23	18.10	19.50
10	QPSK	25	25	18.10	18.25	18.06	19.50
10	QPSK	50	0	18.16	18.13	18.23	19.50
10	16QAM	1	0	18.14	18.15	18.20	19.50
10	16QAM	1	25	18.09	18.10	18.07	19.50
10	16QAM	1	49	18.07	18.17	18.12	19.50
10	16QAM	25	0	18.23	18.12	18.16	19.50
10	16QAM	25	12	18.17	18.17	18.22	19.50
10	16QAM	25	25	18.21	18.12	18.18	19.50
10	16QAM	50	0	18.13	18.13	18.00	19.50
10	64QAM	1	0	18.16	18.21	18.19	19.50
10	64QAM	1	25	18.11	18.09	18.18	19.50
10	64QAM	1	49	18.20	18.15	18.25	19.50
10	64QAM	25	0	18.01	18.13	18.19	19.50
10	64QAM	25	12	18.16	18.09	18.10	19.50
10	64QAM	25	25	18.13	18.27	18.25	19.50
10	64QAM	50	0	18.04	18.16	18.13	19.50
10	256QAM	1	0	17.82	17.80	17.83	18.50
10	256QAM	1	25	17.79	17.84	17.65	18.50
10	256QAM	1	49	17.70	17.74	17.85	18.50
10	256QAM	25	0	17.68	17.82	17.72	18.50
10	256QAM	25	12	17.79	17.73	17.62	18.50
10	256QAM	25	25	17.76	17.75	17.71	18.50
10	256QAM	50	0	17.82	17.83	17.75	18.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.29	18.37	18.25	19.50
5	QPSK	1	12	18.14	18.23	18.06	19.50
5	QPSK	1	24	18.19	18.23	18.20	19.50
5	QPSK	12	0	18.27	18.27	18.16	19.50
5	QPSK	12	7	18.09	18.21	18.09	19.50
5	QPSK	12	13	18.20	18.17	18.17	19.50
5	QPSK	25	0	18.08	18.18	18.23	19.50
5	16QAM	1	0	18.20	18.18	18.09	19.50
5	16QAM	1	12	18.02	18.18	18.10	19.50
5	16QAM	1	24	17.99	18.22	18.03	19.50
5	16QAM	12	0	18.20	18.15	18.15	19.50
5	16QAM	12	7	18.20	18.12	18.15	19.50
5	16QAM	12	13	18.18	18.24	18.15	19.50
5	16QAM	25	0	18.22	18.08	17.96	19.50
5	64QAM	1	0	18.12	18.25	18.25	19.50
5	64QAM	1	12	18.10	18.01	18.16	19.50
5	64QAM	1	24	18.18	18.24	18.19	19.50
5	64QAM	12	0	18.14	18.13	18.11	19.50
5	64QAM	12	7	18.13	18.15	18.09	19.50
5	64QAM	12	13	18.12	18.24	18.22	19.50
5	64QAM	25	0	18.11	18.26	18.19	19.50
5	256QAM	1	0	17.91	17.84	17.91	18.50
5	256QAM	1	12	17.78	17.91	17.61	18.50



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5	256QAM	1	24	17.74	17.71	17.90	18.50
5	256QAM	12	0	17.72	17.78	17.67	18.50
5	256QAM	12	7	17.80	17.74	17.59	18.50
5	256QAM	12	13	17.78	17.81	17.75	18.50
5	256QAM	25	0	17.76	17.80	17.75	18.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.26	18.31	18.26	19.50
3	QPSK	1	8	18.18	18.22	18.01	19.50
3	QPSK	1	14	18.12	18.22	18.21	19.50
3	QPSK	8	0	18.20	18.22	18.13	19.50
3	QPSK	8	4	18.19	18.29	18.08	19.50
3	QPSK	8	7	18.18	18.25	18.09	19.50
3	QPSK	15	0	18.15	18.09	18.23	19.50
3	16QAM	1	0	18.16	18.22	18.15	19.50
3	16QAM	1	8	18.00	18.10	18.12	19.50
3	16QAM	1	14	18.06	18.19	18.10	19.50
3	16QAM	8	0	18.24	18.06	18.09	19.50
3	16QAM	8	4	18.19	18.18	18.23	19.50
3	16QAM	8	7	18.29	18.25	18.14	19.50
3	16QAM	15	0	18.11	18.09	18.03	19.50
3	64QAM	1	0	18.09	18.15	18.19	19.50
3	64QAM	1	8	18.17	17.97	18.24	19.50
3	64QAM	1	14	18.12	18.21	18.17	19.50
3	64QAM	8	0	18.03	18.15	18.12	19.50
3	64QAM	8	4	18.13	18.15	18.08	19.50
3	64QAM	8	7	18.06	18.24	18.28	19.50
3	64QAM	15	0	17.99	18.27	18.22	19.50
3	256QAM	1	0	17.88	17.86	17.93	18.50
3	256QAM	1	8	17.77	17.85	17.63	18.50
3	256QAM	1	14	17.81	17.73	17.83	18.50
3	256QAM	8	0	17.67	17.72	17.74	18.50
3	256QAM	8	4	17.82	17.69	17.63	18.50
3	256QAM	8	7	17.78	17.82	17.73	18.50
3	256QAM	15	0	17.76	17.81	17.75	18.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.33	18.36	18.31	19.50
1.4	QPSK	1	3	18.11	18.15	18.07	19.50
1.4	QPSK	1	5	18.15	18.26	18.19	19.50
1.4	QPSK	3	0	18.18	18.27	18.13	19.50
1.4	QPSK	3	1	18.20	18.27	18.12	19.50
1.4	QPSK	3	3	18.19	18.16	18.08	19.50
1.4	QPSK	6	0	18.15	18.20	18.15	19.50
1.4	16QAM	1	0	18.22	18.25	18.19	19.50
1.4	16QAM	1	3	18.12	18.17	18.11	19.50
1.4	16QAM	1	5	18.02	18.24	18.03	19.50
1.4	16QAM	3	0	18.21	18.06	18.10	19.50
1.4	16QAM	3	1	18.15	18.19	18.24	19.50
1.4	16QAM	3	3	18.22	18.20	18.20	19.50
1.4	16QAM	6	0	18.18	18.07	18.04	19.50
1.4	64QAM	1	0	18.07	18.16	18.26	19.50
1.4	64QAM	1	3	18.13	18.06	18.21	19.50
1.4	64QAM	1	5	18.21	18.13	18.25	19.50
1.4	64QAM	3	0	18.08	18.13	18.20	19.50
1.4	64QAM	3	1	18.11	18.08	18.10	19.50
1.4	64QAM	3	3	18.07	18.24	18.22	19.50
1.4	64QAM	6	0	18.12	18.19	18.17	19.50
1.4	256QAM	1	0	17.81	17.83	17.87	18.50
1.4	256QAM	1	3	17.78	17.82	17.69	18.50
1.4	256QAM	1	5	17.79	17.70	17.81	18.50
1.4	256QAM	3	0	17.72	17.72	17.73	18.50
1.4	256QAM	3	1	17.70	17.70	17.62	18.50
1.4	256QAM	3	3	17.73	17.77	17.79	18.50
1.4	256QAM	6	0	17.77	17.83	17.73	18.50



【LTE Band 4_Ant 4_ECI 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	21.28	21.27	21.11	22.00
20	QPSK	1	49	21.11	21.16	20.92	22.00
20	QPSK	1	99	21.18	21.19	21.02	22.00
20	QPSK	50	0	20.20	20.21	19.94	21.00
20	QPSK	50	24	20.19	20.19	19.91	21.00
20	QPSK	50	50	20.16	20.18	19.91	21.00
20	QPSK	100	0	20.06	20.19	19.94	21.00
20	16QAM	1	0	20.42	20.54	20.37	21.00
20	16QAM	1	49	20.42	20.49	20.29	21.00
20	16QAM	1	99	20.41	20.52	20.26	21.00
20	16QAM	50	0	19.18	19.19	18.93	20.00
20	16QAM	50	24	19.08	19.15	18.95	20.00
20	16QAM	50	50	19.14	19.16	18.95	20.00
20	16QAM	100	0	19.14	19.19	18.95	20.00
20	64QAM	1	0	19.35	19.41	19.14	20.00
20	64QAM	1	49	19.25	19.31	19.14	20.00
20	64QAM	1	99	19.28	19.39	19.22	20.00
20	64QAM	50	0	18.16	18.19	17.92	19.00
20	64QAM	50	24	18.14	18.16	17.88	19.00
20	64QAM	50	50	18.08	18.17	17.91	19.00
20	64QAM	100	0	18.19	18.19	17.95	19.00
20	256QAM	1	0	16.25	16.38	16.13	17.00
20	256QAM	1	49	16.15	16.28	16.10	17.00
20	256QAM	1	99	16.32	16.32	16.08	17.00
20	256QAM	50	0	16.13	16.16	16.02	17.00
20	256QAM	50	24	16.14	16.14	15.88	17.00
20	256QAM	50	50	15.98	16.12	15.91	17.00
20	256QAM	100	0	16.02	16.16	15.90	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.24	21.03	21.02	22.00
15	QPSK	1	37	21.07	21.10	20.80	22.00
15	QPSK	1	74	21.13	21.04	20.93	22.00
15	QPSK	36	0	20.16	20.10	19.80	21.00
15	QPSK	36	20	20.07	20.07	19.87	21.00
15	QPSK	36	39	20.07	20.13	19.86	21.00
15	QPSK	75	0	19.99	20.13	19.80	21.00
15	16QAM	1	0	20.36	20.42	20.36	21.00
15	16QAM	1	37	20.30	20.41	20.21	21.00
15	16QAM	1	74	20.34	20.47	20.24	21.00
15	16QAM	36	0	19.08	19.10	18.91	20.00
15	16QAM	36	20	19.00	19.05	18.92	20.00
15	16QAM	36	39	19.05	19.12	18.83	20.00
15	16QAM	75	0	19.02	19.17	18.89	20.00
15	64QAM	1	0	19.27	19.27	19.00	20.00
15	64QAM	1	37	19.19	19.25	19.04	20.00
15	64QAM	1	74	19.18	19.31	19.09	20.00
15	64QAM	36	0	18.15	18.10	17.85	19.00
15	64QAM	36	20	18.06	18.06	17.84	19.00
15	64QAM	36	39	18.06	18.12	17.87	19.00
15	64QAM	75	0	18.05	18.07	17.93	19.00
15	256QAM	1	0	16.23	16.29	15.99	17.00
15	256QAM	1	37	16.07	16.13	16.02	17.00
15	256QAM	1	74	16.18	16.22	16.03	17.00
15	256QAM	36	0	16.10	16.08	15.88	17.00
15	256QAM	36	20	16.03	16.12	15.82	17.00
15	256QAM	36	39	15.93	16.06	15.85	17.00
15	256QAM	75	0	15.93	16.09	15.81	17.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.18	21.02	20.99	22.00
10	QPSK	1	25	21.09	21.10	20.87	22.00
10	QPSK	1	49	21.11	21.08	20.94	22.00
10	QPSK	25	0	20.12	20.11	19.80	21.00
10	QPSK	25	12	20.07	20.05	19.77	21.00
10	QPSK	25	25	20.03	20.04	19.80	21.00
10	QPSK	50	0	19.99	20.10	19.92	21.00
10	16QAM	1	0	20.29	20.49	20.23	21.00
10	16QAM	1	25	20.38	20.47	20.27	21.00
10	16QAM	1	49	20.33	20.45	20.24	21.00
10	16QAM	25	0	19.14	19.15	18.92	20.00



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10	16QAM	25	12	19.04	19.14	18.86	20.00
10	16QAM	25	25	19.00	19.13	18.85	20.00
10	16QAM	50	0	19.07	19.06	18.92	20.00
10	64QAM	1	0	19.23	19.27	19.11	20.00
10	64QAM	1	25	19.20	19.24	19.03	20.00
10	64QAM	1	49	19.20	19.36	19.18	20.00
10	64QAM	25	0	18.07	18.09	17.89	19.00
10	64QAM	25	12	18.12	18.13	17.87	19.00
10	64QAM	25	25	17.94	18.15	17.82	19.00
10	64QAM	50	0	18.11	18.09	17.84	19.00
10	256QAM	1	0	16.19	16.23	16.01	17.00
10	256QAM	1	25	16.13	16.16	16.05	17.00
10	256QAM	1	49	16.28	16.23	15.95	17.00
10	256QAM	25	0	16.11	16.09	16.00	17.00
10	256QAM	25	12	16.13	16.05	15.77	17.00
10	256QAM	25	25	15.91	15.98	15.88	17.00
10	256QAM	50	0	15.88	16.06	15.76	17.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.19	21.01	21.08	22.00
5	QPSK	1	12	21.07	21.03	20.84	22.00
5	QPSK	1	24	21.10	21.12	20.93	22.00
5	QPSK	12	0	20.12	20.09	19.86	21.00
5	QPSK	12	7	20.18	20.14	19.85	21.00
5	QPSK	12	13	20.14	20.13	19.88	21.00
5	QPSK	25	0	19.96	20.08	19.83	21.00
5	16QAM	1	0	20.30	20.52	20.22	21.00
5	16QAM	1	12	20.33	20.44	20.22	21.00
5	16QAM	1	24	20.34	20.47	20.17	21.00
5	16QAM	12	0	19.16	19.10	18.90	20.00
5	16QAM	12	7	19.03	19.02	18.88	20.00
5	16QAM	12	13	18.99	19.04	18.88	20.00
5	16QAM	25	0	19.07	19.05	18.85	20.00
5	64QAM	1	0	19.26	19.31	19.11	20.00
5	64QAM	1	12	19.13	19.16	18.99	20.00
5	64QAM	1	24	19.24	19.27	19.08	20.00
5	64QAM	12	0	18.10	18.07	17.81	19.00
5	64QAM	12	7	18.00	18.04	17.86	19.00
5	64QAM	12	13	18.04	18.03	17.90	19.00
5	64QAM	25	0	18.12	18.10	17.81	19.00
5	256QAM	1	0	16.12	16.35	16.05	17.00
5	256QAM	1	12	16.02	16.16	15.97	17.00
5	256QAM	1	24	16.25	16.28	15.93	17.00
5	256QAM	12	0	16.06	16.12	15.91	17.00
5	256QAM	12	7	16.02	16.09	15.77	17.00
5	256QAM	12	13	15.96	16.02	15.76	17.00
5	256QAM	25	0	15.96	16.10	15.83	17.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.26	20.97	20.96	22.00
3	QPSK	1	8	21.01	21.14	20.84	22.00
3	QPSK	1	14	21.07	21.16	20.91	22.00
3	QPSK	8	0	20.09	20.10	19.85	21.00
3	QPSK	8	4	20.16	20.14	19.79	21.00
3	QPSK	8	7	20.12	20.09	19.83	21.00
3	QPSK	15	0	20.01	20.07	19.89	21.00
3	16QAM	1	0	20.36	20.44	20.36	21.00
3	16QAM	1	8	20.34	20.43	20.28	21.00
3	16QAM	1	14	20.29	20.48	20.18	21.00
3	16QAM	8	0	19.06	19.16	18.88	20.00
3	16QAM	8	4	18.94	19.03	18.81	20.00
3	16QAM	8	7	18.99	19.15	18.91	20.00
3	16QAM	15	0	19.12	19.10	18.85	20.00
3	64QAM	1	0	19.23	19.31	19.03	20.00
3	64QAM	1	8	19.12	19.29	19.12	20.00
3	64QAM	1	14	19.17	19.33	19.19	20.00
3	64QAM	8	0	18.03	18.09	17.88	19.00
3	64QAM	8	4	18.11	18.02	17.79	19.00
3	64QAM	8	7	18.03	18.08	17.81	19.00
3	64QAM	15	0	18.04	18.16	17.92	19.00
3	256QAM	1	0	16.12	16.35	16.05	17.00
3	256QAM	1	8	16.09	16.26	16.03	17.00
3	256QAM	1	14	16.29	16.25	15.96	17.00
3	256QAM	8	0	16.08	16.10	15.90	17.00
3	256QAM	8	4	16.00	16.10	15.83	17.00
3	256QAM	8	7	15.93	16.06	15.78	17.00
3	256QAM	15	0	16.00	16.13	15.84	17.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.22	20.98	21.09	22.00
1.4	QPSK	1	3	20.99	21.02	20.87	22.00
1.4	QPSK	1	5	21.12	21.10	20.91	22.00
1.4	QPSK	3	0	21.10	21.13	20.88	22.00
1.4	QPSK	3	1	21.17	21.10	20.81	22.00
1.4	QPSK	3	3	21.12	21.08	20.82	22.00
1.4	QPSK	6	0	20.01	20.16	19.91	21.00
1.4	16QAM	1	0	20.35	20.51	20.31	21.00
1.4	16QAM	1	3	20.41	20.47	20.25	21.00
1.4	16QAM	1	5	20.28	20.47	20.23	21.00
1.4	16QAM	3	0	20.04	20.10	19.89	21.00
1.4	16QAM	3	1	20.00	20.09	19.85	21.00
1.4	16QAM	3	3	20.12	20.08	19.83	21.00
1.4	16QAM	6	0	19.07	19.14	18.87	20.00
1.4	64QAM	1	0	19.24	19.35	19.08	20.00
1.4	64QAM	1	3	19.13	19.23	19.11	20.00
1.4	64QAM	1	5	19.17	19.28	19.14	20.00
1.4	64QAM	3	0	19.12	19.14	18.82	20.00
1.4	64QAM	3	1	19.05	19.13	18.81	20.00
1.4	64QAM	3	3	18.95	19.05	18.89	20.00
1.4	64QAM	6	0	18.14	18.14	17.86	19.00
1.4	256QAM	1	0	16.13	16.33	16.01	17.00
1.4	256QAM	1	3	16.10	16.14	16.05	17.00
1.4	256QAM	1	5	16.17	16.28	15.94	17.00
1.4	256QAM	3	0	16.09	16.04	15.89	17.00
1.4	256QAM	3	1	16.11	16.07	15.79	17.00
1.4	256QAM	3	3	15.94	16.02	15.77	17.00
1.4	256QAM	6	0	15.98	16.15	15.85	17.00

【LTE Band 4_Ant 4_ECI 4-1】

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	23.30	23.14	24.00
20	QPSK	1	49	23.08	23.16	22.91	24.00
20	QPSK	1	99	23.02	23.19	23.03	24.00
20	QPSK	50	0	22.28	22.32	22.16	23.00
20	QPSK	50	24	22.23	22.26	22.02	23.00
20	QPSK	50	50	22.12	22.25	22.14	23.00
20	QPSK	100	0	22.14	22.30	22.20	23.00
20	16QAM	1	0	22.07	22.23	22.20	23.00
20	16QAM	1	49	22.14	22.20	22.16	23.00
20	16QAM	1	99	22.20	22.38	22.09	23.00
20	16QAM	50	0	21.17	21.27	21.09	22.00
20	16QAM	50	24	21.11	21.25	21.02	22.00
20	16QAM	50	50	21.22	21.30	21.12	22.00
20	16QAM	100	0	21.18	21.28	21.10	22.00
20	64QAM	1	0	21.06	21.19	21.18	22.00
20	64QAM	1	49	21.20	21.33	21.05	22.00
20	64QAM	1	99	21.07	21.29	21.17	22.00
20	64QAM	50	0	20.06	20.28	20.11	21.00
20	64QAM	50	24	20.11	20.23	20.16	21.00
20	64QAM	50	50	20.15	20.28	20.07	21.00
20	64QAM	100	0	20.13	20.34	20.06	21.00
20	256QAM	1	0	18.15	18.27	18.13	19.00
20	256QAM	1	49	18.09	18.34	18.00	19.00
20	256QAM	1	99	18.13	18.35	18.10	19.00
20	256QAM	50	0	18.13	18.36	18.17	19.00
20	256QAM	50	24	18.16	18.24	18.10	19.00
20	256QAM	50	50	18.26	18.28	18.11	19.00
20	256QAM	100	0	18.24	18.19	18.18	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.04	23.25	23.11	24.00
15	QPSK	1	37	22.97	23.03	22.83	24.00
15	QPSK	1	74	22.88	23.17	22.93	24.00
15	QPSK	36	0	22.24	22.29	22.03	23.00
15	QPSK	36	20	22.13	22.16	21.89	23.00
15	QPSK	36	39	22.10	22.15	22.03	23.00
15	QPSK	75	0	22.00	22.17	22.12	23.00



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15	16QAM	1	0	21.96	22.17	22.10	23.00
15	16QAM	1	37	22.00	22.19	22.08	23.00
15	16QAM	1	74	22.13	22.33	22.06	23.00
15	16QAM	36	0	21.04	21.17	21.05	22.00
15	16QAM	36	20	21.04	21.20	20.97	22.00
15	16QAM	36	39	21.15	21.18	21.06	22.00
15	16QAM	75	0	21.14	21.17	21.06	22.00
15	64QAM	1	0	20.95	21.07	21.15	22.00
15	64QAM	1	37	21.08	21.26	20.93	22.00
15	64QAM	1	74	21.02	21.18	21.04	22.00
15	64QAM	36	0	19.95	20.20	20.00	21.00
15	64QAM	36	20	20.07	20.15	20.14	21.00
15	64QAM	36	39	20.05	20.27	19.97	21.00
15	64QAM	75	0	20.11	20.30	19.93	21.00
15	256QAM	1	0	18.05	18.17	18.00	19.00
15	256QAM	1	37	18.07	18.19	17.91	19.00
15	256QAM	1	74	17.98	18.30	18.06	19.00
15	256QAM	36	0	18.00	18.29	18.10	19.00
15	256QAM	36	20	18.01	18.20	18.09	19.00
15	256QAM	36	39	18.19	18.21	18.10	19.00
15	256QAM	75	0	18.09	18.15	18.17	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.14	23.25	23.06	24.00
10	QPSK	1	25	22.98	23.12	22.89	24.00
10	QPSK	1	49	23.00	23.09	22.96	24.00
10	QPSK	25	0	22.13	22.24	22.03	23.00
10	QPSK	25	12	22.11	22.24	22.00	23.00
10	QPSK	25	25	22.09	22.19	22.04	23.00
10	QPSK	50	0	22.03	22.23	22.18	23.00
10	16QAM	1	0	22.00	22.14	22.19	23.00
10	16QAM	1	25	22.11	22.07	22.04	23.00
10	16QAM	1	49	22.06	22.36	21.96	23.00
10	16QAM	25	0	21.13	21.20	21.08	22.00
10	16QAM	25	12	21.09	21.12	20.89	22.00
10	16QAM	25	25	21.16	21.26	21.05	22.00
10	16QAM	50	0	21.07	21.17	20.96	22.00
10	64QAM	1	0	20.97	21.14	21.07	22.00
10	64QAM	1	25	21.11	21.27	20.95	22.00
10	64QAM	1	49	20.96	21.25	21.14	22.00
10	64QAM	25	0	20.01	20.18	20.09	21.00
10	64QAM	25	12	20.06	20.15	20.11	21.00
10	64QAM	25	25	20.05	20.24	19.95	21.00
10	64QAM	50	0	20.01	20.21	20.01	21.00
10	256QAM	1	0	18.10	18.18	18.07	19.00
10	256QAM	1	25	17.97	18.22	17.96	19.00
10	256QAM	1	49	17.99	18.25	18.02	19.00
10	256QAM	25	0	18.06	18.30	18.09	19.00
10	256QAM	25	12	18.03	18.19	18.01	19.00
10	256QAM	25	25	18.24	18.25	17.98	19.00
10	256QAM	50	0	18.20	18.12	18.12	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.07	23.22	23.07	24.00
5	QPSK	1	12	23.00	23.14	22.81	24.00
5	QPSK	1	24	22.89	23.15	22.92	24.00
5	QPSK	12	0	22.18	22.31	22.14	23.00
5	QPSK	12	7	22.09	22.14	21.95	23.00
5	QPSK	12	13	21.99	22.19	22.09	23.00
5	QPSK	25	0	22.07	22.27	22.07	23.00
5	16QAM	1	0	21.97	22.16	22.07	23.00
5	16QAM	1	12	22.08	22.14	22.08	23.00
5	16QAM	1	24	22.07	22.29	22.01	23.00
5	16QAM	12	0	21.05	21.21	21.05	22.00
5	16QAM	12	7	21.07	21.20	21.01	22.00
5	16QAM	12	13	21.16	21.17	21.04	22.00
5	16QAM	25	0	21.09	21.18	20.99	22.00
5	64QAM	1	0	21.04	21.11	21.13	22.00
5	64QAM	1	12	21.10	21.22	20.96	22.00
5	64QAM	1	24	20.99	21.22	21.07	22.00
5	64QAM	12	0	20.00	20.24	20.06	21.00
5	64QAM	12	7	20.07	20.11	20.12	21.00
5	64QAM	12	13	20.04	20.22	19.93	21.00
5	64QAM	25	0	20.01	20.22	20.02	21.00
5	256QAM	1	0	18.01	18.13	18.05	19.00
5	256QAM	1	12	18.07	18.30	17.95	19.00
5	256QAM	1	24	18.06	18.26	17.99	19.00
5	256QAM	12	0	18.11	18.35	18.15	19.00



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5	256QAM	12	7	18.02	18.20	17.96	19.00
5	256QAM	12	13	18.20	18.14	18.07	19.00
5	256QAM	25	0	18.13	18.06	18.08	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.07	23.21	23.01	24.00
3	QPSK	1	8	23.00	23.07	22.81	24.00
3	QPSK	1	14	22.90	23.14	22.88	24.00
3	QPSK	8	0	22.26	22.30	22.14	23.00
3	QPSK	8	4	22.19	22.22	21.99	23.00
3	QPSK	8	7	21.98	22.14	22.07	23.00
3	QPSK	15	0	22.13	22.26	22.06	23.00
3	16QAM	1	0	22.06	22.20	22.08	23.00
3	16QAM	1	8	22.04	22.08	22.10	23.00
3	16QAM	1	14	22.10	22.27	22.03	23.00
3	16QAM	8	0	21.10	21.21	21.02	22.00
3	16QAM	8	4	21.01	21.15	20.99	22.00
3	16QAM	8	7	21.16	21.19	21.04	22.00
3	16QAM	15	0	21.14	21.26	21.05	22.00
3	64QAM	1	0	21.04	21.15	21.09	22.00
3	64QAM	1	8	21.16	21.29	20.98	22.00
3	64QAM	1	14	20.96	21.21	21.05	22.00
3	64QAM	8	0	19.93	20.25	20.07	21.00
3	64QAM	8	4	20.08	20.09	20.13	21.00
3	64QAM	8	7	20.11	20.13	20.03	21.00
3	64QAM	15	0	20.00	20.30	19.92	21.00
3	256QAM	1	0	18.07	18.25	18.04	19.00
3	256QAM	1	8	17.95	18.25	17.95	19.00
3	256QAM	1	14	18.00	18.27	17.95	19.00
3	256QAM	8	0	17.99	18.30	18.07	19.00
3	256QAM	8	4	18.07	18.19	18.03	19.00
3	256QAM	8	7	18.25	18.25	18.10	19.00
3	256QAM	15	0	18.20	18.16	18.09	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.03	23.16	23.05	24.00
1.4	QPSK	1	3	22.96	23.05	22.77	24.00
1.4	QPSK	1	5	22.95	23.08	23.00	24.00
1.4	QPSK	3	0	23.21	23.24	23.08	24.00
1.4	QPSK	3	1	23.10	23.23	22.96	24.00
1.4	QPSK	3	3	23.11	23.14	23.02	24.00
1.4	QPSK	6	0	22.12	22.25	22.08	23.00
1.4	16QAM	1	0	22.01	22.14	22.16	23.00
1.4	16QAM	1	3	22.05	22.17	22.04	23.00
1.4	16QAM	1	5	22.16	22.33	22.02	23.00
1.4	16QAM	3	0	22.07	22.26	21.98	23.00
1.4	16QAM	3	1	21.97	22.19	21.88	23.00
1.4	16QAM	3	3	22.17	22.27	22.04	23.00
1.4	16QAM	6	0	21.12	21.16	21.08	22.00
1.4	64QAM	1	0	20.96	21.05	21.04	22.00
1.4	64QAM	1	3	21.16	21.25	20.96	22.00
1.4	64QAM	1	5	20.94	21.17	21.13	22.00
1.4	64QAM	3	0	20.98	21.21	20.98	22.00
1.4	64QAM	3	1	21.04	21.13	21.03	22.00
1.4	64QAM	3	3	21.02	21.18	20.98	22.00
1.4	64QAM	6	0	20.03	20.30	20.00	21.00
1.4	256QAM	1	0	18.12	18.25	18.07	19.00
1.4	256QAM	1	3	17.96	18.31	17.90	19.00
1.4	256QAM	1	5	18.06	18.28	17.99	19.00
1.4	256QAM	3	0	18.10	18.34	18.10	19.00
1.4	256QAM	3	1	18.05	18.20	18.07	19.00
1.4	256QAM	3	3	18.18	18.17	18.08	19.00
1.4	256QAM	6	0	18.23	18.15	18.13	19.00



【LTE Band 4_Ant 4_ECI 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	20.81	20.85	20.83	22.00
20	QPSK	1	49	20.71	20.80	20.80	22.00
20	QPSK	1	99	20.80	20.75	20.78	22.00
20	QPSK	50	0	20.77	20.82	20.80	21.00
20	QPSK	50	24	20.74	20.71	20.77	21.00
20	QPSK	50	50	20.76	20.81	20.74	21.00
20	QPSK	100	0	20.80	20.81	20.72	21.00
20	16QAM	1	0	20.79	20.74	20.76	21.00
20	16QAM	1	49	20.79	20.73	20.73	21.00
20	16QAM	1	99	20.76	20.77	20.82	21.00
20	16QAM	50	0	19.18	19.19	18.93	20.00
20	16QAM	50	24	19.08	19.15	18.95	20.00
20	16QAM	50	50	19.14	19.16	18.95	20.00
20	16QAM	100	0	19.14	19.19	18.95	20.00
20	64QAM	1	0	19.35	19.41	19.14	20.00
20	64QAM	1	49	19.25	19.31	19.14	20.00
20	64QAM	1	99	19.28	19.39	19.22	20.00
20	64QAM	50	0	18.16	18.19	17.92	19.00
20	64QAM	50	24	18.14	18.16	17.88	19.00
20	64QAM	50	50	18.08	18.17	17.91	19.00
20	64QAM	100	0	18.19	18.19	17.95	19.00
20	256QAM	1	0	16.25	16.38	16.13	17.00
20	256QAM	1	49	16.15	16.28	16.10	17.00
20	256QAM	1	99	16.32	16.32	16.08	17.00
20	256QAM	50	0	16.13	16.16	16.02	17.00
20	256QAM	50	24	16.14	16.14	15.88	17.00
20	256QAM	50	50	15.98	16.12	15.91	17.00
20	256QAM	100	0	16.02	16.16	15.90	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.67	20.80	20.70	22.00
15	QPSK	1	37	20.62	20.69	20.68	22.00
15	QPSK	1	74	20.72	20.72	20.67	22.00
15	QPSK	36	0	20.63	20.76	20.73	21.00
15	QPSK	36	20	20.67	20.62	20.68	21.00
15	QPSK	36	39	20.64	20.74	20.68	21.00
15	QPSK	75	0	20.67	20.74	20.59	21.00
15	16QAM	1	0	20.77	20.60	20.74	21.00
15	16QAM	1	37	20.67	20.59	20.67	21.00
15	16QAM	1	74	20.61	20.64	20.76	21.00
15	16QAM	36	0	19.09	19.12	18.86	20.00
15	16QAM	36	20	18.99	19.01	18.92	20.00
15	16QAM	36	39	19.03	19.03	18.82	20.00
15	16QAM	75	0	19.13	19.15	18.87	20.00
15	64QAM	1	0	19.32	19.33	19.11	20.00
15	64QAM	1	37	19.10	19.26	19.08	20.00
15	64QAM	1	74	19.15	19.31	19.16	20.00
15	64QAM	36	0	18.15	18.05	17.85	19.00
15	64QAM	36	20	18.07	18.01	17.78	19.00
15	64QAM	36	39	17.96	18.13	17.85	19.00
15	64QAM	75	0	18.09	18.09	17.93	19.00
15	256QAM	1	0	16.18	16.32	16.02	17.00
15	256QAM	1	37	16.03	16.23	16.08	17.00
15	256QAM	1	74	16.17	16.31	15.94	17.00
15	256QAM	36	0	16.00	16.09	15.98	17.00
15	256QAM	36	20	16.00	16.08	15.79	17.00
15	256QAM	36	39	15.91	16.09	15.79	17.00
15	256QAM	75	0	15.99	16.14	15.76	17.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.78	20.79	20.69	22.00
10	QPSK	1	25	20.63	20.79	20.68	22.00
10	QPSK	1	49	20.67	20.69	20.69	22.00
10	QPSK	25	0	20.64	20.75	20.75	21.00
10	QPSK	25	12	20.65	20.60	20.73	21.00
10	QPSK	25	25	20.69	20.68	20.71	21.00
10	QPSK	50	0	20.65	20.69	20.67	21.00
10	16QAM	1	0	20.65	20.72	20.75	21.00
10	16QAM	1	25	20.75	20.70	20.63	21.00
10	16QAM	1	49	20.69	20.72	20.79	21.00
10	16QAM	25	0	19.10	19.05	18.78	20.00



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10	16QAM	25	12	18.95	19.11	18.87	20.00
10	16QAM	25	25	19.10	19.11	18.94	20.00
10	16QAM	50	0	19.02	19.07	18.82	20.00
10	64QAM	1	0	19.26	19.26	19.02	20.00
10	64QAM	1	25	19.20	19.24	19.06	20.00
10	64QAM	1	49	19.26	19.36	19.15	20.00
10	64QAM	25	0	18.12	18.07	17.87	19.00
10	64QAM	25	12	18.05	18.02	17.82	19.00
10	64QAM	25	25	17.97	18.08	17.86	19.00
10	64QAM	50	0	18.14	18.14	17.87	19.00
10	256QAM	1	0	16.22	16.36	16.01	17.00
10	256QAM	1	25	16.04	16.14	15.98	17.00
10	256QAM	1	49	16.28	16.31	15.99	17.00
10	256QAM	25	0	16.00	16.03	16.00	17.00
10	256QAM	25	12	16.04	16.08	15.86	17.00
10	256QAM	25	25	15.95	16.04	15.82	17.00
10	256QAM	50	0	15.89	16.02	15.84	17.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	20.77	20.78	20.68	22.00
5	QPSK	1	12	20.65	20.75	20.75	22.00
5	QPSK	1	24	20.72	20.69	20.65	22.00
5	QPSK	12	0	20.68	20.73	20.68	21.00
5	QPSK	12	7	20.68	20.61	20.66	21.00
5	QPSK	12	13	20.72	20.80	20.70	21.00
5	QPSK	25	0	20.78	20.73	20.61	21.00
5	16QAM	1	0	20.76	20.63	20.72	21.00
5	16QAM	1	12	20.75	20.71	20.69	21.00
5	16QAM	1	24	20.65	20.65	20.80	21.00
5	16QAM	12	0	19.15	19.11	18.81	20.00
5	16QAM	12	7	18.93	19.01	18.93	20.00
5	16QAM	12	13	19.11	19.10	18.93	20.00
5	16QAM	25	0	19.07	19.12	18.84	20.00
5	64QAM	1	0	19.33	19.32	19.06	20.00
5	64QAM	1	12	19.24	19.28	19.05	20.00
5	64QAM	1	24	19.23	19.30	19.20	20.00
5	64QAM	12	0	18.02	18.09	17.89	19.00
5	64QAM	12	7	18.08	18.02	17.87	19.00
5	64QAM	12	13	17.95	18.03	17.87	19.00
5	64QAM	25	0	18.05	18.06	17.82	19.00
5	256QAM	1	0	16.19	16.35	16.11	17.00
5	256QAM	1	12	16.05	16.26	16.00	17.00
5	256QAM	1	24	16.26	16.30	15.93	17.00
5	256QAM	12	0	16.08	16.06	16.00	17.00
5	256QAM	12	7	16.11	16.09	15.76	17.00
5	256QAM	12	13	15.94	16.09	15.80	17.00
5	256QAM	25	0	15.95	16.04	15.77	17.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	20.69	20.72	20.82	22.00
3	QPSK	1	8	20.65	20.76	20.75	22.00
3	QPSK	1	14	20.75	20.62	20.67	22.00
3	QPSK	8	0	20.65	20.77	20.73	21.00
3	QPSK	8	4	20.73	20.65	20.76	21.00
3	QPSK	8	7	20.62	20.75	20.65	21.00
3	QPSK	15	0	20.72	20.73	20.59	21.00
3	16QAM	1	0	20.73	20.60	20.64	21.00
3	16QAM	1	8	20.73	20.71	20.67	21.00
3	16QAM	1	14	20.64	20.67	20.70	21.00
3	16QAM	8	0	19.15	19.09	18.87	20.00
3	16QAM	8	4	19.03	19.02	18.87	20.00
3	16QAM	8	7	19.03	19.05	18.88	20.00
3	16QAM	15	0	19.06	19.05	18.90	20.00
3	64QAM	1	0	19.33	19.31	19.10	20.00
3	64QAM	1	8	19.23	19.27	19.11	20.00
3	64QAM	1	14	19.14	19.33	19.18	20.00
3	64QAM	8	0	18.04	18.08	17.81	19.00
3	64QAM	8	4	18.09	18.07	17.86	19.00
3	64QAM	8	7	18.06	18.04	17.86	19.00
3	64QAM	15	0	18.09	18.15	17.81	19.00
3	256QAM	1	0	16.17	16.32	16.11	17.00
3	256QAM	1	8	16.13	16.16	15.97	17.00
3	256QAM	1	14	16.21	16.26	15.97	17.00
3	256QAM	8	0	16.00	16.10	15.90	17.00
3	256QAM	8	4	16.02	16.13	15.75	17.00
3	256QAM	8	7	15.85	16.01	15.76	17.00
3	256QAM	15	0	15.92	16.11	15.81	17.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	20.68	20.73	20.75	22.00
1.4	QPSK	1	3	20.61	20.77	20.76	22.00
1.4	QPSK	1	5	20.79	20.60	20.68	22.00
1.4	QPSK	3	0	21.68	21.68	21.70	22.00
1.4	QPSK	3	1	21.70	21.62	21.72	22.00
1.4	QPSK	3	3	21.71	21.69	21.64	22.00
1.4	QPSK	6	0	20.76	20.78	20.68	21.00
1.4	16QAM	1	0	20.77	20.70	20.70	21.00
1.4	16QAM	1	3	20.75	20.59	20.59	21.00
1.4	16QAM	1	5	20.69	20.62	20.79	21.00
1.4	16QAM	3	0	20.11	20.05	19.90	21.00
1.4	16QAM	3	1	19.99	20.02	19.87	21.00
1.4	16QAM	3	3	20.12	20.13	19.86	21.00
1.4	16QAM	6	0	19.02	19.14	18.86	20.00
1.4	64QAM	1	0	19.26	19.28	19.01	20.00
1.4	64QAM	1	3	19.14	19.24	19.02	20.00
1.4	64QAM	1	5	19.17	19.31	19.12	20.00
1.4	64QAM	3	0	19.14	19.18	18.87	20.00
1.4	64QAM	3	1	19.11	19.11	18.74	20.00
1.4	64QAM	3	3	19.07	19.12	18.84	20.00
1.4	64QAM	6	0	18.16	18.15	17.94	19.00
1.4	256QAM	1	0	16.12	16.35	16.09	17.00
1.4	256QAM	1	3	16.04	16.23	15.97	17.00
1.4	256QAM	1	5	16.20	16.27	16.07	17.00
1.4	256QAM	3	0	16.05	16.12	15.90	17.00
1.4	256QAM	3	1	15.99	16.13	15.87	17.00
1.4	256QAM	3	3	15.89	16.06	15.77	17.00
1.4	256QAM	6	0	15.97	16.14	15.88	17.00

【LTE Band 4_Ant 4_ECI 6-1】

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	20.79	20.89	20.88	22.00
20	QPSK	1	49	20.73	20.65	20.64	22.00
20	QPSK	1	99	20.72	20.73	20.75	22.00
20	QPSK	50	0	20.72	20.83	20.80	22.00
20	QPSK	50	24	20.75	20.81	20.64	22.00
20	QPSK	50	50	20.63	20.67	20.67	22.00
20	QPSK	100	0	20.82	20.85	20.71	22.00
20	16QAM	1	0	20.69	20.71	20.62	22.00
20	16QAM	1	49	20.61	20.64	20.82	22.00
20	16QAM	1	99	20.70	20.82	20.73	22.00
20	16QAM	50	0	20.69	20.75	20.65	22.00
20	16QAM	50	24	20.68	20.67	20.81	22.00
20	16QAM	50	50	20.81	20.73	20.65	22.00
20	16QAM	100	0	20.84	20.73	20.80	22.00
20	64QAM	1	0	20.65	20.75	20.69	22.00
20	64QAM	1	49	20.75	20.66	20.77	22.00
20	64QAM	1	99	20.77	20.83	20.76	22.00
20	64QAM	50	0	19.74	19.88	19.82	21.00
20	64QAM	50	24	19.76	19.86	19.98	21.00
20	64QAM	50	50	19.78	19.77	19.81	21.00
20	64QAM	100	0	19.81	19.79	19.86	21.00
20	256QAM	1	0	17.73	17.80	17.85	19.00
20	256QAM	1	49	17.83	17.83	17.76	19.00
20	256QAM	1	99	17.79	17.70	17.94	19.00
20	256QAM	50	0	17.78	17.70	17.83	19.00
20	256QAM	50	24	17.75	17.84	17.87	19.00
20	256QAM	50	50	17.80	17.86	17.90	19.00
20	256QAM	100	0	17.87	17.88	17.78	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.71	20.76	20.78	22.00
15	QPSK	1	37	20.59	20.62	20.57	22.00
15	QPSK	1	74	20.70	20.59	20.71	22.00
15	QPSK	36	0	20.70	20.80	20.75	22.00
15	QPSK	36	20	20.60	20.74	20.61	22.00
15	QPSK	36	39	20.49	20.54	20.53	22.00
15	QPSK	75	0	20.72	20.83	20.64	22.00



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15	16QAM	1	0	20.58	20.63	20.54	22.00
15	16QAM	1	37	20.53	20.54	20.75	22.00
15	16QAM	1	74	20.66	20.69	20.67	22.00
15	16QAM	36	0	20.55	20.64	20.51	22.00
15	16QAM	36	20	20.57	20.53	20.76	22.00
15	16QAM	36	39	20.75	20.68	20.63	22.00
15	16QAM	75	0	20.82	20.65	20.65	22.00
15	64QAM	1	0	20.62	20.71	20.55	22.00
15	64QAM	1	37	20.73	20.57	20.69	22.00
15	64QAM	1	74	20.68	20.73	20.72	22.00
15	64QAM	36	0	19.65	19.75	19.73	21.00
15	64QAM	36	20	19.69	19.72	19.88	21.00
15	64QAM	36	39	19.73	19.72	19.75	21.00
15	64QAM	75	0	19.69	19.71	19.78	21.00
15	256QAM	1	0	17.64	17.67	17.73	19.00
15	256QAM	1	37	17.74	17.80	17.62	19.00
15	256QAM	1	74	17.77	17.58	17.91	19.00
15	256QAM	36	0	17.77	17.69	17.75	19.00
15	256QAM	36	20	17.72	17.82	17.86	19.00
15	256QAM	36	39	17.77	17.80	17.77	19.00
15	256QAM	75	0	17.74	17.75	17.70	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	20.68	20.78	20.77	22.00
10	QPSK	1	25	20.62	20.54	20.49	22.00
10	QPSK	1	49	20.68	20.59	20.73	22.00
10	QPSK	25	0	20.67	20.74	20.74	22.00
10	QPSK	25	12	20.69	20.69	20.58	22.00
10	QPSK	25	25	20.52	20.55	20.63	22.00
10	QPSK	50	0	20.71	20.75	20.65	22.00
10	16QAM	1	0	20.56	20.64	20.52	22.00
10	16QAM	1	25	20.50	20.61	20.78	22.00
10	16QAM	1	49	20.56	20.72	20.61	22.00
10	16QAM	25	0	20.68	20.62	20.57	22.00
10	16QAM	25	12	20.56	20.65	20.75	22.00
10	16QAM	25	25	20.79	20.63	20.56	22.00
10	16QAM	50	0	20.74	20.67	20.72	22.00
10	64QAM	1	0	20.56	20.74	20.63	22.00
10	64QAM	1	25	20.60	20.60	20.65	22.00
10	64QAM	1	49	20.66	20.68	20.69	22.00
10	64QAM	25	0	19.66	19.75	19.73	21.00
10	64QAM	25	12	19.62	19.84	19.94	21.00
10	64QAM	25	25	19.66	19.72	19.66	21.00
10	64QAM	50	0	19.71	19.75	19.81	21.00
10	256QAM	1	0	17.66	17.72	17.70	19.00
10	256QAM	1	25	17.71	17.74	17.71	19.00
10	256QAM	1	49	17.72	17.62	17.90	19.00
10	256QAM	25	0	17.70	17.65	17.74	19.00
10	256QAM	25	12	17.69	17.80	17.79	19.00
10	256QAM	25	25	17.72	17.80	17.88	19.00
10	256QAM	50	0	17.85	17.82	17.72	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	20.78	20.83	20.83	22.00
5	QPSK	1	12	20.72	20.55	20.53	22.00
5	QPSK	1	24	20.71	20.60	20.66	22.00
5	QPSK	12	0	20.58	20.75	20.69	22.00
5	QPSK	12	7	20.60	20.71	20.54	22.00
5	QPSK	12	13	20.61	20.61	20.53	22.00
5	QPSK	25	0	20.74	20.82	20.68	22.00
5	16QAM	1	0	20.68	20.68	20.54	22.00
5	16QAM	1	12	20.58	20.54	20.74	22.00
5	16QAM	1	24	20.56	20.80	20.71	22.00
5	16QAM	12	0	20.56	20.60	20.53	22.00
5	16QAM	12	7	20.64	20.56	20.79	22.00
5	16QAM	12	13	20.67	20.68	20.54	22.00
5	16QAM	25	0	20.77	20.65	20.78	22.00
5	64QAM	1	0	20.58	20.69	20.64	22.00
5	64QAM	1	12	20.69	20.53	20.73	22.00
5	64QAM	1	24	20.69	20.74	20.64	22.00
5	64QAM	12	0	19.71	19.81	19.69	21.00
5	64QAM	12	7	19.72	19.78	19.94	21.00
5	64QAM	12	13	19.76	19.72	19.67	21.00
5	64QAM	25	0	19.76	19.70	19.82	21.00
5	256QAM	1	0	17.61	17.69	17.72	19.00
5	256QAM	1	12	17.78	17.69	17.63	19.00
5	256QAM	1	24	17.65	17.68	17.92	19.00
5	256QAM	12	0	17.76	17.65	17.75	19.00



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5	256QAM	12	7	17.70	17.76	17.78	19.00
5	256QAM	12	13	17.66	17.73	17.77	19.00
5	256QAM	25	0	17.79	17.76	17.76	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.76	20.79	20.85	22.00
3	QPSK	1	8	20.68	20.63	20.54	22.00
3	QPSK	1	14	20.70	20.62	20.65	22.00
3	QPSK	8	0	20.69	20.68	20.77	22.00
3	QPSK	8	4	20.69	20.74	20.51	22.00
3	QPSK	8	7	20.55	20.57	20.52	22.00
3	QPSK	15	0	20.71	20.80	20.57	22.00
3	16QAM	1	0	20.57	20.66	20.51	22.00
3	16QAM	1	8	20.50	20.58	20.71	22.00
3	16QAM	1	14	20.66	20.78	20.62	22.00
3	16QAM	8	0	20.64	20.72	20.51	22.00
3	16QAM	8	4	20.64	20.61	20.70	22.00
3	16QAM	8	7	20.80	20.60	20.60	22.00
3	16QAM	15	0	20.74	20.71	20.71	22.00
3	64QAM	1	0	20.60	20.65	20.66	22.00
3	64QAM	1	8	20.61	20.55	20.66	22.00
3	64QAM	1	14	20.65	20.77	20.69	22.00
3	64QAM	8	0	19.73	19.77	19.74	21.00
3	64QAM	8	4	19.66	19.81	19.83	21.00
3	64QAM	8	7	19.64	19.72	19.72	21.00
3	64QAM	15	0	19.71	19.65	19.84	21.00
3	256QAM	1	0	17.59	17.69	17.77	19.00
3	256QAM	1	8	17.81	17.71	17.69	19.00
3	256QAM	1	14	17.75	17.62	17.82	19.00
3	256QAM	8	0	17.72	17.64	17.69	19.00
3	256QAM	8	4	17.72	17.71	17.82	19.00
3	256QAM	8	7	17.76	17.77	17.86	19.00
3	256QAM	15	0	17.81	17.83	17.76	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.68	20.86	20.84	22.00
1.4	QPSK	1	3	20.63	20.58	20.54	22.00
1.4	QPSK	1	5	20.59	20.67	20.67	22.00
1.4	QPSK	3	0	20.69	20.74	20.73	22.00
1.4	QPSK	3	1	20.62	20.69	20.62	22.00
1.4	QPSK	3	3	20.56	20.53	20.53	22.00
1.4	QPSK	6	0	20.78	20.84	20.67	22.00
1.4	16QAM	1	0	20.63	20.67	20.52	22.00
1.4	16QAM	1	3	20.49	20.52	20.68	22.00
1.4	16QAM	1	5	20.67	20.76	20.67	22.00
1.4	16QAM	3	0	21.09	21.16	21.13	22.00
1.4	16QAM	3	1	21.16	21.04	21.17	22.00
1.4	16QAM	3	3	21.25	21.20	21.00	22.00
1.4	16QAM	6	0	20.76	20.67	20.70	22.00
1.4	64QAM	1	0	20.58	20.71	20.57	22.00
1.4	64QAM	1	3	20.61	20.58	20.63	22.00
1.4	64QAM	1	5	20.72	20.70	20.67	22.00
1.4	64QAM	3	0	20.64	20.86	20.77	22.00
1.4	64QAM	3	1	20.66	20.85	20.83	22.00
1.4	64QAM	3	3	20.72	20.67	20.66	22.00
1.4	64QAM	6	0	19.78	19.76	19.74	21.00
1.4	256QAM	1	0	17.60	17.67	17.78	19.00
1.4	256QAM	1	3	17.82	17.81	17.64	19.00
1.4	256QAM	1	5	17.75	17.61	17.82	19.00
1.4	256QAM	3	0	17.72	17.62	17.73	19.00
1.4	256QAM	3	1	17.61	17.76	17.74	19.00
1.4	256QAM	3	3	17.79	17.84	17.86	19.00
1.4	256QAM	6	0	17.85	17.81	17.65	19.00



【LTE Band 4_Ant 4_ECI 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	15.77	15.78	15.84	16.70
20	QPSK	1	49	15.66	15.73	15.67	16.70
20	QPSK	1	99	15.68	15.70	15.72	16.70
20	QPSK	50	0	15.70	15.76	15.72	16.70
20	QPSK	50	24	15.66	15.62	15.68	16.70
20	QPSK	50	50	15.68	15.68	15.62	16.70
20	QPSK	100	0	15.70	15.75	15.73	16.70
20	16QAM	1	0	15.75	15.70	15.75	16.70
20	16QAM	1	49	15.67	15.72	15.66	16.70
20	16QAM	1	99	15.71	15.75	15.74	16.70
20	16QAM	50	0	15.70	15.73	15.68	16.70
20	16QAM	50	24	15.75	15.78	15.75	16.70
20	16QAM	50	50	15.73	15.76	15.71	16.70
20	16QAM	100	0	15.67	15.72	15.77	16.70
20	64QAM	1	0	15.71	15.72	15.70	16.70
20	64QAM	1	49	15.72	15.77	15.71	16.70
20	64QAM	1	99	15.74	15.73	15.76	16.70
20	64QAM	50	0	15.71	15.76	15.68	16.70
20	64QAM	50	24	15.76	15.77	15.74	16.70
20	64QAM	50	50	15.70	15.68	15.74	16.70
20	64QAM	100	0	15.71	15.72	15.76	16.70
20	256QAM	1	0	15.69	15.70	15.69	16.70
20	256QAM	1	49	15.67	15.74	15.69	16.70
20	256QAM	1	99	15.78	15.71	15.71	16.70
20	256QAM	50	0	15.66	15.74	15.73	16.70
20	256QAM	50	24	15.71	15.70	15.70	16.70
20	256QAM	50	50	15.75	15.74	15.72	16.70
20	256QAM	100	0	15.76	15.68	15.67	16.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.70	15.76	15.76	16.70
15	QPSK	1	37	15.59	15.71	15.66	16.70
15	QPSK	1	74	15.56	15.63	15.61	16.70
15	QPSK	36	0	15.66	15.64	15.69	16.70
15	QPSK	36	20	15.55	15.55	15.61	16.70
15	QPSK	36	39	15.57	15.64	15.47	16.70
15	QPSK	75	0	15.61	15.61	15.70	16.70
15	16QAM	1	0	15.62	15.56	15.65	16.70
15	16QAM	1	37	15.56	15.69	15.51	16.70
15	16QAM	1	74	15.62	15.62	15.69	16.70
15	16QAM	36	0	15.56	15.67	15.65	16.70
15	16QAM	36	20	15.62	15.69	15.63	16.70
15	16QAM	36	39	15.64	15.67	15.65	16.70
15	16QAM	75	0	15.61	15.66	15.64	16.70
15	64QAM	1	0	15.67	15.61	15.63	16.70
15	64QAM	1	37	15.61	15.64	15.67	16.70
15	64QAM	1	74	15.65	15.64	15.68	16.70
15	64QAM	36	0	15.67	15.61	15.61	16.70
15	64QAM	36	20	15.72	15.69	15.59	16.70
15	64QAM	36	39	15.63	15.53	15.68	16.70
15	64QAM	75	0	15.68	15.71	15.61	16.70
15	256QAM	1	0	15.63	15.66	15.61	16.70
15	256QAM	1	37	15.54	15.65	15.58	16.70
15	256QAM	1	74	15.71	15.60	15.65	16.70
15	256QAM	36	0	15.61	15.70	15.70	16.70
15	256QAM	36	20	15.57	15.67	15.66	16.70
15	256QAM	36	39	15.61	15.62	15.60	16.70
15	256QAM	75	0	15.67	15.58	15.59	16.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.70	15.64	15.76	16.70
10	QPSK	1	25	15.56	15.64	15.56	16.70
10	QPSK	1	49	15.55	15.66	15.62	16.70
10	QPSK	25	0	15.66	15.68	15.60	16.70
10	QPSK	25	12	15.54	15.56	15.59	16.70
10	QPSK	25	25	15.66	15.55	15.53	16.70
10	QPSK	50	0	15.65	15.69	15.70	16.70
10	16QAM	1	0	15.71	15.56	15.67	16.70
10	16QAM	1	25	15.60	15.59	15.58	16.70
10	16QAM	1	49	15.65	15.72	15.61	16.70
10	16QAM	25	0	15.61	15.61	15.61	16.70



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10	16QAM	25	12	15.63	15.70	15.72	16.70
10	16QAM	25	25	15.66	15.67	15.62	16.70
10	16QAM	50	0	15.61	15.62	15.73	16.70
10	64QAM	1	0	15.64	15.60	15.69	16.70
10	64QAM	1	25	15.61	15.70	15.69	16.70
10	64QAM	1	49	15.61	15.60	15.64	16.70
10	64QAM	25	0	15.70	15.72	15.59	16.70
10	64QAM	25	12	15.66	15.69	15.69	16.70
10	64QAM	25	25	15.59	15.61	15.65	16.70
10	64QAM	50	0	15.67	15.68	15.62	16.70
10	256QAM	1	0	15.55	15.67	15.55	16.70
10	256QAM	1	25	15.54	15.69	15.59	16.70
10	256QAM	1	49	15.64	15.60	15.60	16.70
10	256QAM	25	0	15.64	15.65	15.71	16.70
10	256QAM	25	12	15.70	15.66	15.68	16.70
10	256QAM	25	25	15.65	15.61	15.67	16.70
10	256QAM	50	0	15.73	15.58	15.63	16.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	15.73	15.73	15.71	16.70
5	QPSK	1	12	15.63	15.70	15.60	16.70
5	QPSK	1	24	15.56	15.68	15.63	16.70
5	QPSK	12	0	15.63	15.74	15.68	16.70
5	QPSK	12	7	15.58	15.53	15.56	16.70
5	QPSK	12	13	15.66	15.61	15.55	16.70
5	QPSK	25	0	15.66	15.71	15.66	16.70
5	16QAM	1	0	15.61	15.63	15.66	16.70
5	16QAM	1	12	15.54	15.64	15.59	16.70
5	16QAM	1	24	15.60	15.66	15.59	16.70
5	16QAM	12	0	15.64	15.58	15.60	16.70
5	16QAM	12	7	15.66	15.67	15.68	16.70
5	16QAM	12	13	15.66	15.65	15.67	16.70
5	16QAM	25	0	15.59	15.61	15.63	16.70
5	64QAM	1	0	15.63	15.58	15.56	16.70
5	64QAM	1	12	15.59	15.73	15.70	16.70
5	64QAM	1	24	15.65	15.58	15.62	16.70
5	64QAM	12	0	15.57	15.68	15.60	16.70
5	64QAM	12	7	15.69	15.65	15.66	16.70
5	64QAM	12	13	15.66	15.63	15.70	16.70
5	64QAM	25	0	15.69	15.58	15.64	16.70
5	256QAM	1	0	15.67	15.68	15.64	16.70
5	256QAM	1	12	15.61	15.59	15.66	16.70
5	256QAM	1	24	15.74	15.58	15.67	16.70
5	256QAM	12	0	15.62	15.69	15.70	16.70
5	256QAM	12	7	15.68	15.67	15.59	16.70
5	256QAM	12	13	15.64	15.61	15.71	16.70
5	256QAM	25	0	15.64	15.65	15.57	16.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.65	15.67	15.74	16.70
3	QPSK	1	8	15.60	15.70	15.64	16.70
3	QPSK	1	14	15.66	15.60	15.61	16.70
3	QPSK	8	0	15.56	15.74	15.70	16.70
3	QPSK	8	4	15.62	15.56	15.64	16.70
3	QPSK	8	7	15.66	15.53	15.59	16.70
3	QPSK	15	0	15.63	15.64	15.71	16.70
3	16QAM	1	0	15.71	15.65	15.63	16.70
3	16QAM	1	8	15.62	15.58	15.60	16.70
3	16QAM	1	14	15.61	15.65	15.70	16.70
3	16QAM	8	0	15.62	15.68	15.64	16.70
3	16QAM	8	4	15.70	15.73	15.72	16.70
3	16QAM	8	7	15.72	15.63	15.58	16.70
3	16QAM	15	0	15.55	15.64	15.72	16.70
3	64QAM	1	0	15.66	15.59	15.56	16.70
3	64QAM	1	8	15.63	15.63	15.59	16.70
3	64QAM	1	14	15.70	15.64	15.68	16.70
3	64QAM	8	0	15.58	15.64	15.58	16.70
3	64QAM	8	4	15.65	15.70	15.62	16.70
3	64QAM	8	7	15.68	15.59	15.63	16.70
3	64QAM	15	0	15.58	15.69	15.63	16.70
3	256QAM	1	0	15.56	15.60	15.67	16.70
3	256QAM	1	8	15.63	15.59	15.58	16.70
3	256QAM	1	14	15.75	15.57	15.65	16.70
3	256QAM	8	0	15.52	15.64	15.66	16.70
3	256QAM	8	4	15.68	15.57	15.66	16.70
3	256QAM	8	7	15.67	15.60	15.64	16.70
3	256QAM	15	0	15.62	15.55	15.58	16.70
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	15.68	15.66	15.76	16.70
1.4	QPSK	1	3	15.52	15.70	15.57	16.70
1.4	QPSK	1	5	15.54	15.56	15.58	16.70
1.4	QPSK	3	0	15.56	15.65	15.70	16.70
1.4	QPSK	3	1	15.61	15.56	15.65	16.70
1.4	QPSK	3	3	15.61	15.63	15.55	16.70
1.4	QPSK	6	0	15.65	15.71	15.67	16.70
1.4	16QAM	1	0	15.64	15.60	15.61	16.70
1.4	16QAM	1	3	15.62	15.68	15.57	16.70
1.4	16QAM	1	5	15.65	15.66	15.67	16.70
1.4	16QAM	3	0	15.60	15.69	15.59	16.70
1.4	16QAM	3	1	15.73	15.74	15.66	16.70
1.4	16QAM	3	3	15.67	15.68	15.62	16.70
1.4	16QAM	6	0	15.59	15.63	15.71	16.70
1.4	64QAM	1	0	15.62	15.66	15.67	16.70
1.4	64QAM	1	3	15.69	15.66	15.66	16.70
1.4	64QAM	1	5	15.59	15.67	15.68	16.70
1.4	64QAM	3	0	15.60	15.71	15.64	16.70
1.4	64QAM	3	1	15.63	15.71	15.60	16.70
1.4	64QAM	3	3	15.57	15.60	15.61	16.70
1.4	64QAM	6	0	15.65	15.61	15.68	16.70
1.4	256QAM	1	0	15.65	15.63	15.61	16.70
1.4	256QAM	1	3	15.66	15.62	15.62	16.70
1.4	256QAM	1	5	15.65	15.64	15.61	16.70
1.4	256QAM	3	0	15.59	15.65	15.64	16.70
1.4	256QAM	3	1	15.66	15.63	15.64	16.70
1.4	256QAM	3	3	15.70	15.69	15.59	16.70
1.4	256QAM	6	0	15.61	15.57	15.59	16.70

【LTE Band 4_Ant 4_ECI 7-1】

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	15.75	15.91	15.74	16.70
20	QPSK	1	49	15.71	15.69	15.82	16.70
20	QPSK	1	99	15.71	15.70	15.79	16.70
20	QPSK	50	0	15.71	15.86	15.74	16.70
20	QPSK	50	24	15.69	15.65	15.65	16.70
20	QPSK	50	50	15.73	15.66	15.76	16.70
20	QPSK	100	0	15.56	15.71	15.78	16.70
20	16QAM	1	0	15.78	15.67	15.71	16.70
20	16QAM	1	49	15.73	15.68	15.64	16.70
20	16QAM	1	99	15.72	15.72	15.68	16.70
20	16QAM	50	0	15.70	15.65	15.71	16.70
20	16QAM	50	24	15.65	15.73	15.63	16.70
20	16QAM	50	50	15.76	15.79	15.79	16.70
20	16QAM	100	0	15.62	15.76	15.63	16.70
20	64QAM	1	0	15.70	15.62	15.65	16.70
20	64QAM	1	49	15.76	15.72	15.68	16.70
20	64QAM	1	99	15.62	15.72	15.67	16.70
20	64QAM	50	0	15.78	15.73	15.61	16.70
20	64QAM	50	24	15.71	15.69	15.63	16.70
20	64QAM	50	50	15.69	15.80	15.74	16.70
20	64QAM	100	0	15.65	15.70	15.54	16.70
20	256QAM	1	0	15.69	15.69	15.68	16.70
20	256QAM	1	49	15.83	15.68	15.61	16.70
20	256QAM	1	99	15.71	15.58	15.57	16.70
20	256QAM	50	0	15.66	15.68	15.76	16.70
20	256QAM	50	24	15.78	15.70	15.68	16.70
20	256QAM	50	50	15.68	15.71	15.70	16.70
20	256QAM	100	0	15.72	15.68	15.69	16.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.66	15.87	15.59	16.70
15	QPSK	1	37	15.57	15.67	15.70	16.70
15	QPSK	1	74	15.70	15.57	15.75	16.70
15	QPSK	36	0	15.67	15.73	15.72	16.70
15	QPSK	36	20	15.65	15.54	15.57	16.70
15	QPSK	36	39	15.64	15.54	15.61	16.70
15	QPSK	75	0	15.53	15.59	15.64	16.70



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15	16QAM	1	0	15.63	15.65	15.63	16.70
15	16QAM	1	37	15.70	15.65	15.57	16.70
15	16QAM	1	74	15.60	15.71	15.60	16.70
15	16QAM	36	0	15.65	15.61	15.60	16.70
15	16QAM	36	20	15.57	15.68	15.58	16.70
15	16QAM	36	39	15.68	15.66	15.73	16.70
15	16QAM	75	0	15.49	15.68	15.48	16.70
15	64QAM	1	0	15.65	15.53	15.59	16.70
15	64QAM	1	37	15.74	15.64	15.56	16.70
15	64QAM	1	74	15.51	15.68	15.54	16.70
15	64QAM	36	0	15.64	15.71	15.53	16.70
15	64QAM	36	20	15.59	15.61	15.61	16.70
15	64QAM	36	39	15.61	15.70	15.64	16.70
15	64QAM	75	0	15.53	15.56	15.46	16.70
15	256QAM	1	0	15.57	15.57	15.56	16.70
15	256QAM	1	37	15.72	15.64	15.47	16.70
15	256QAM	1	74	15.62	15.49	15.53	16.70
15	256QAM	36	0	15.53	15.57	15.71	16.70
15	256QAM	36	20	15.75	15.57	15.57	16.70
15	256QAM	36	39	15.66	15.67	15.62	16.70
15	256QAM	75	0	15.68	15.55	15.58	16.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	15.65	15.85	15.69	16.70
10	QPSK	1	25	15.69	15.60	15.72	16.70
10	QPSK	1	49	15.58	15.65	15.70	16.70
10	QPSK	25	0	15.68	15.74	15.72	16.70
10	QPSK	25	12	15.55	15.50	15.57	16.70
10	QPSK	25	25	15.60	15.54	15.62	16.70
10	QPSK	50	0	15.50	15.65	15.73	16.70
10	16QAM	1	0	15.66	15.52	15.67	16.70
10	16QAM	1	25	15.70	15.58	15.58	16.70
10	16QAM	1	49	15.59	15.70	15.65	16.70
10	16QAM	25	0	15.56	15.62	15.65	16.70
10	16QAM	25	12	15.61	15.61	15.54	16.70
10	16QAM	25	25	15.68	15.76	15.69	16.70
10	16QAM	50	0	15.55	15.62	15.51	16.70
10	64QAM	1	0	15.67	15.49	15.50	16.70
10	64QAM	1	25	15.70	15.59	15.56	16.70
10	64QAM	1	49	15.54	15.58	15.61	16.70
10	64QAM	25	0	15.75	15.70	15.56	16.70
10	64QAM	25	12	15.64	15.66	15.60	16.70
10	64QAM	25	25	15.68	15.66	15.61	16.70
10	64QAM	50	0	15.56	15.58	15.45	16.70
10	256QAM	1	0	15.55	15.65	15.60	16.70
10	256QAM	1	25	15.70	15.60	15.57	16.70
10	256QAM	1	49	15.67	15.57	15.47	16.70
10	256QAM	25	0	15.62	15.56	15.72	16.70
10	256QAM	25	12	15.68	15.56	15.63	16.70
10	256QAM	25	25	15.64	15.70	15.56	16.70
10	256QAM	50	0	15.59	15.61	15.55	16.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	15.74	15.84	15.60	16.70
5	QPSK	1	12	15.56	15.67	15.77	16.70
5	QPSK	1	24	15.60	15.62	15.78	16.70
5	QPSK	12	0	15.59	15.76	15.63	16.70
5	QPSK	12	7	15.66	15.61	15.51	16.70
5	QPSK	12	13	15.60	15.58	15.73	16.70
5	QPSK	25	0	15.43	15.58	15.72	16.70
5	16QAM	1	0	15.68	15.52	15.64	16.70
5	16QAM	1	12	15.66	15.58	15.57	16.70
5	16QAM	1	24	15.71	15.62	15.67	16.70
5	16QAM	12	0	15.67	15.62	15.64	16.70
5	16QAM	12	7	15.58	15.70	15.59	16.70
5	16QAM	12	13	15.74	15.77	15.75	16.70
5	16QAM	25	0	15.48	15.66	15.49	16.70
5	64QAM	1	0	15.63	15.48	15.54	16.70
5	64QAM	1	12	15.69	15.65	15.58	16.70
5	64QAM	1	24	15.55	15.62	15.61	16.70
5	64QAM	12	0	15.66	15.70	15.51	16.70
5	64QAM	12	7	15.61	15.57	15.51	16.70
5	64QAM	12	13	15.63	15.75	15.71	16.70
5	64QAM	25	0	15.57	15.59	15.45	16.70
5	256QAM	1	0	15.56	15.59	15.65	16.70
5	256QAM	1	12	15.73	15.64	15.51	16.70
5	256QAM	1	24	15.67	15.46	15.48	16.70
5	256QAM	12	0	15.61	15.63	15.65	16.70



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5	256QAM	12	7	15.72	15.58	15.61	16.70
5	256QAM	12	13	15.65	15.60	15.56	16.70
5	256QAM	25	0	15.65	15.59	15.67	16.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.71	15.87	15.60	16.70
3	QPSK	1	8	15.59	15.59	15.78	16.70
3	QPSK	1	14	15.65	15.68	15.68	16.70
3	QPSK	8	0	15.58	15.72	15.63	16.70
3	QPSK	8	4	15.66	15.54	15.52	16.70
3	QPSK	8	7	15.66	15.63	15.74	16.70
3	QPSK	15	0	15.45	15.56	15.67	16.70
3	16QAM	1	0	15.76	15.58	15.69	16.70
3	16QAM	1	8	15.66	15.57	15.53	16.70
3	16QAM	1	14	15.63	15.71	15.65	16.70
3	16QAM	8	0	15.64	15.61	15.70	16.70
3	16QAM	8	4	15.57	15.64	15.58	16.70
3	16QAM	8	7	15.75	15.74	15.74	16.70
3	16QAM	15	0	15.55	15.62	15.57	16.70
3	64QAM	1	0	15.57	15.50	15.64	16.70
3	64QAM	1	8	15.69	15.59	15.59	16.70
3	64QAM	1	14	15.56	15.67	15.64	16.70
3	64QAM	8	0	15.63	15.66	15.60	16.70
3	64QAM	8	4	15.65	15.66	15.56	16.70
3	64QAM	8	7	15.68	15.67	15.59	16.70
3	64QAM	15	0	15.56	15.56	15.46	16.70
3	256QAM	1	0	15.66	15.58	15.64	16.70
3	256QAM	1	8	15.74	15.63	15.53	16.70
3	256QAM	1	14	15.65	15.47	15.45	16.70
3	256QAM	8	0	15.59	15.59	15.66	16.70
3	256QAM	8	4	15.74	15.56	15.64	16.70
3	256QAM	8	7	15.62	15.66	15.56	16.70
3	256QAM	15	0	15.61	15.54	15.59	16.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.71	15.83	15.68	16.70
1.4	QPSK	1	3	15.66	15.54	15.74	16.70
1.4	QPSK	1	5	15.58	15.59	15.75	16.70
1.4	QPSK	3	0	15.57	15.78	15.68	16.70
1.4	QPSK	3	1	15.55	15.61	15.60	16.70
1.4	QPSK	3	3	15.70	15.57	15.62	16.70
1.4	QPSK	6	0	15.52	15.68	15.74	16.70
1.4	16QAM	1	0	15.74	15.63	15.67	16.70
1.4	16QAM	1	3	15.64	15.53	15.56	16.70
1.4	16QAM	1	5	15.63	15.63	15.54	16.70
1.4	16QAM	3	0	15.60	15.63	15.70	16.70
1.4	16QAM	3	1	15.58	15.66	15.57	16.70
1.4	16QAM	3	3	15.65	15.73	15.69	16.70
1.4	16QAM	6	0	15.48	15.74	15.61	16.70
1.4	64QAM	1	0	15.59	15.60	15.62	16.70
1.4	64QAM	1	3	15.71	15.59	15.59	16.70
1.4	64QAM	1	5	15.50	15.68	15.58	16.70
1.4	64QAM	3	0	15.76	15.58	15.57	16.70
1.4	64QAM	3	1	15.64	15.66	15.57	16.70
1.4	64QAM	3	3	15.55	15.78	15.66	16.70
1.4	64QAM	6	0	15.56	15.68	15.48	16.70
1.4	256QAM	1	0	15.60	15.62	15.64	16.70
1.4	256QAM	1	3	15.80	15.61	15.55	16.70
1.4	256QAM	1	5	15.66	15.48	15.47	16.70
1.4	256QAM	3	0	15.55	15.59	15.71	16.70
1.4	256QAM	3	1	15.71	15.60	15.61	16.70
1.4	256QAM	3	3	15.61	15.62	15.64	16.70
1.4	256QAM	6	0	15.59	15.54	15.61	16.70

**【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	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00
10	64QAM	25	25	19.01	19.13	19.00	21.00
10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00
5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00
5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00



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3	16QAM	8	4	20.00	20.14	20.00	22.00
3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00
1.4	16QAM	1	0	21.36	21.56	21.31	23.00
1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00

【LTE Band 5_Ant 0_ECI 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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00



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10	64QAM	25	25	19.01	19.13	19.00	21.00
10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00
5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00
5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00
3	16QAM	8	4	20.00	20.14	20.00	22.00
3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00



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1.4	16QAM	1	0	21.36	21.56	21.31	23.00
1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00

【LTE Band 5_Ant 0_ECI 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	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00
10	64QAM	25	25	19.01	19.13	19.00	21.00
10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00



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5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00
5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00
3	16QAM	8	4	20.00	20.14	20.00	22.00
3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00
1.4	16QAM	1	0	21.36	21.56	21.31	23.00
1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00

**【LTE Band 5_Ant 0_ECI 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	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00
10	64QAM	25	25	19.01	19.13	19.00	21.00
10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00
5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00
5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00
3	16QAM	8	4	20.00	20.14	20.00	22.00



3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00
1.4	16QAM	1	0	21.36	21.56	21.31	23.00
1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00

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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				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00
10	64QAM	25	25	19.01	19.13	19.00	21.00



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10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00
5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00
5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00
3	16QAM	8	4	20.00	20.14	20.00	22.00
3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00
1.4	16QAM	1	0	21.36	21.56	21.31	23.00



1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00

【LTE Band 5_Ant 0_ECI 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	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.25	22.33	22.24	24.00
10	QPSK	1	25	22.07	22.18	22.01	24.00
10	QPSK	1	49	22.05	22.20	22.02	24.00
10	QPSK	25	0	21.08	21.21	21.12	23.00
10	QPSK	25	12	21.07	21.20	21.08	23.00
10	QPSK	25	25	21.00	21.17	21.00	23.00
10	QPSK	50	0	21.10	21.19	21.10	23.00
10	16QAM	1	0	21.48	21.57	21.40	23.00
10	16QAM	1	25	21.25	21.46	21.24	23.00
10	16QAM	1	49	21.39	21.59	21.48	23.00
10	16QAM	25	0	20.02	20.19	20.01	22.00
10	16QAM	25	12	20.01	20.18	20.00	22.00
10	16QAM	25	25	20.00	20.13	20.03	22.00
10	16QAM	50	0	20.05	20.14	20.04	22.00
10	64QAM	1	0	20.20	20.41	20.23	22.00
10	64QAM	1	25	20.20	20.32	20.23	22.00
10	64QAM	1	49	20.23	20.37	20.17	22.00
10	64QAM	25	0	19.02	19.17	19.06	21.00
10	64QAM	25	12	19.07	19.14	19.02	21.00
10	64QAM	25	25	19.01	19.13	19.00	21.00
10	64QAM	50	0	19.00	19.15	19.02	21.00
10	256QAM	1	0	17.20	17.32	17.15	19.00
10	256QAM	1	25	17.15	17.27	17.15	19.00
10	256QAM	1	49	17.06	17.26	17.13	19.00
10	256QAM	25	0	17.01	17.17	17.05	19.00
10	256QAM	25	12	17.06	17.15	17.04	19.00
10	256QAM	25	25	17.01	17.12	17.02	19.00
10	256QAM	50	0	17.07	17.17	17.01	19.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.16	22.23	22.11	24.00
5	QPSK	1	12	22.05	22.15	22.00	24.00
5	QPSK	1	24	22.03	22.08	22.01	24.00
5	QPSK	12	0	21.03	21.07	21.04	23.00
5	QPSK	12	7	21.00	21.06	21.03	23.00
5	QPSK	12	13	21.00	21.09	21.00	23.00
5	QPSK	25	0	21.01	21.06	21.06	23.00
5	16QAM	1	0	21.44	21.52	21.33	23.00
5	16QAM	1	12	21.20	21.37	21.16	23.00
5	16QAM	1	24	21.34	21.46	21.37	23.00
5	16QAM	12	0	20.01	20.07	20.00	22.00
5	16QAM	12	7	20.00	20.09	20.01	22.00
5	16QAM	12	13	20.01	20.01	20.01	22.00
5	16QAM	25	0	20.00	20.10	20.00	22.00
5	64QAM	1	0	20.14	20.34	20.14	22.00
5	64QAM	1	12	20.11	20.18	20.20	22.00
5	64QAM	1	24	20.13	20.23	20.10	22.00
5	64QAM	12	0	19.00	19.13	19.01	21.00
5	64QAM	12	7	19.00	19.00	19.00	21.00



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5	64QAM	12	13	19.02	19.10	19.02	21.00
5	64QAM	25	0	19.00	19.04	19.01	21.00
5	256QAM	1	0	17.12	17.20	17.05	19.00
5	256QAM	1	12	17.07	17.16	17.02	19.00
5	256QAM	1	24	17.02	17.25	17.00	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.02	17.10	17.00	19.00
5	256QAM	12	13	17.01	17.00	17.01	19.00
5	256QAM	25	0	17.01	17.14	17.00	19.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	22.16	22.18	22.14	24.00
3	QPSK	1	8	22.01	22.17	22.02	24.00
3	QPSK	1	14	22.00	22.05	22.01	24.00
3	QPSK	8	0	21.00	21.13	21.00	23.00
3	QPSK	8	4	21.05	21.19	21.00	23.00
3	QPSK	8	7	21.00	21.10	21.01	23.00
3	QPSK	15	0	21.01	21.17	21.03	23.00
3	16QAM	1	0	21.34	21.53	21.25	23.00
3	16QAM	1	8	21.11	21.37	21.10	23.00
3	16QAM	1	14	21.34	21.53	21.46	23.00
3	16QAM	8	0	20.01	20.08	20.00	22.00
3	16QAM	8	4	20.00	20.14	20.00	22.00
3	16QAM	8	7	20.00	20.01	20.00	22.00
3	16QAM	15	0	20.00	20.05	20.01	22.00
3	64QAM	1	0	20.12	20.33	20.20	22.00
3	64QAM	1	8	20.14	20.24	20.21	22.00
3	64QAM	1	14	20.18	20.34	20.11	22.00
3	64QAM	8	0	19.01	19.03	19.04	21.00
3	64QAM	8	4	19.00	19.02	19.00	21.00
3	64QAM	8	7	19.00	19.08	19.00	21.00
3	64QAM	15	0	19.00	19.05	19.00	21.00
3	256QAM	1	0	17.09	17.22	17.06	19.00
3	256QAM	1	8	17.03	17.21	17.12	19.00
3	256QAM	1	14	17.00	17.12	17.07	19.00
3	256QAM	8	0	17.02	17.11	17.00	19.00
3	256QAM	8	4	17.01	17.08	17.02	19.00
3	256QAM	8	7	17.01	17.05	17.01	19.00
3	256QAM	15	0	17.01	17.08	17.00	19.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	22.21	22.17	22.14	24.00
1.4	QPSK	1	3	22.00	22.08	22.01	24.00
1.4	QPSK	1	5	22.01	22.18	22.01	24.00
1.4	QPSK	3	0	22.00	22.10	22.01	24.00
1.4	QPSK	3	1	22.00	22.17	22.00	24.00
1.4	QPSK	3	3	22.01	22.06	22.01	24.00
1.4	QPSK	6	0	21.02	21.09	21.00	23.00
1.4	16QAM	1	0	21.36	21.56	21.31	23.00
1.4	16QAM	1	3	21.11	21.33	21.10	23.00
1.4	16QAM	1	5	21.28	21.45	21.42	23.00
1.4	16QAM	3	0	21.00	21.07	21.00	23.00
1.4	16QAM	3	1	21.00	21.04	21.01	23.00
1.4	16QAM	3	3	21.01	21.06	21.00	23.00
1.4	16QAM	6	0	20.04	20.13	20.01	22.00
1.4	64QAM	1	0	20.19	20.31	20.13	22.00
1.4	64QAM	1	3	20.12	20.27	20.13	22.00
1.4	64QAM	1	5	20.16	20.33	20.05	22.00
1.4	64QAM	3	0	20.00	20.15	20.00	22.00
1.4	64QAM	3	1	20.04	20.02	20.00	22.00
1.4	64QAM	3	3	20.00	20.02	20.00	22.00
1.4	64QAM	6	0	19.00	19.03	19.00	21.00
1.4	256QAM	1	0	17.09	17.27	17.09	19.00
1.4	256QAM	1	3	17.04	17.19	17.12	19.00
1.4	256QAM	1	5	17.00	17.17	17.05	19.00
1.4	256QAM	3	0	17.00	17.10	17.02	19.00
1.4	256QAM	3	1	17.00	17.08	17.00	19.00
1.4	256QAM	3	3	17.01	17.07	17.01	19.00
1.4	256QAM	6	0	17.01	17.11	17.00	19.00



【LTE Band 5_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				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.76	21.77	21.75	23.00
10	QPSK	1	25	21.61	21.71	21.66	23.00
10	QPSK	1	49	21.66	21.76	21.70	23.00
10	QPSK	25	0	20.69	20.76	20.60	22.00
10	QPSK	25	12	20.56	20.71	20.58	22.00
10	QPSK	25	25	20.67	20.74	20.64	22.00
10	QPSK	50	0	20.67	20.72	20.55	22.00
10	16QAM	1	0	20.98	21.06	20.92	22.00
10	16QAM	1	25	21.04	21.12	20.98	22.00
10	16QAM	1	49	21.02	21.11	21.02	22.00
10	16QAM	25	0	19.63	19.74	19.57	21.00
10	16QAM	25	12	19.57	19.72	19.63	21.00
10	16QAM	25	25	19.66	19.72	19.66	21.00
10	16QAM	50	0	19.63	19.71	19.61	21.00
10	64QAM	1	0	19.92	19.96	19.86	21.00
10	64QAM	1	25	19.81	19.88	19.72	21.00
10	64QAM	1	49	19.85	19.94	19.81	21.00
10	64QAM	25	0	18.65	18.70	18.61	20.00
10	64QAM	25	12	18.55	18.68	18.60	20.00
10	64QAM	25	25	18.63	18.69	18.61	20.00
10	64QAM	50	0	18.64	18.69	18.59	20.00
10	256QAM	1	0	16.76	16.88	16.79	18.00
10	256QAM	1	25	16.74	16.89	16.78	18.00
10	256QAM	1	49	16.67	16.75	16.72	18.00
10	256QAM	25	0	16.63	16.71	16.59	18.00
10	256QAM	25	12	16.66	16.69	16.61	18.00
10	256QAM	25	25	16.61	16.71	16.64	18.00
10	256QAM	50	0	16.58	16.72	16.69	18.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.72	21.75	21.73	23.00
5	QPSK	1	12	21.50	21.59	21.57	23.00
5	QPSK	1	24	21.61	21.74	21.61	23.00
5	QPSK	12	0	20.58	20.62	20.47	22.00
5	QPSK	12	7	20.50	20.62	20.50	22.00
5	QPSK	12	13	20.58	20.69	20.54	22.00
5	QPSK	25	0	20.66	20.68	20.48	22.00
5	16QAM	1	0	20.89	20.92	20.82	22.00
5	16QAM	1	12	20.95	21.02	20.94	22.00
5	16QAM	1	24	20.87	21.01	20.94	22.00
5	16QAM	12	0	19.59	19.65	19.45	21.00
5	16QAM	12	7	19.49	19.61	19.60	21.00
5	16QAM	12	13	19.63	19.62	19.55	21.00
5	16QAM	25	0	19.55	19.61	19.47	21.00
5	64QAM	1	0	19.80	19.86	19.80	21.00
5	64QAM	1	12	19.72	19.78	19.69	21.00
5	64QAM	1	24	19.72	19.88	19.72	21.00
5	64QAM	12	0	18.61	18.63	18.57	20.00
5	64QAM	12	7	18.43	18.63	18.46	20.00
5	64QAM	12	13	18.55	18.63	18.47	20.00
5	64QAM	25	0	18.57	18.59	18.54	20.00
5	256QAM	1	0	16.69	16.83	16.77	18.00
5	256QAM	1	12	16.70	16.79	16.67	18.00
5	256QAM	1	24	16.65	16.62	16.60	18.00
5	256QAM	12	0	16.55	16.60	16.50	18.00
5	256QAM	12	7	16.63	16.65	16.52	18.00
5	256QAM	12	13	16.46	16.58	16.49	18.00
5	256QAM	25	0	16.55	16.59	16.55	18.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.64	21.68	21.70	23.00
3	QPSK	1	8	21.54	21.60	21.55	23.00
3	QPSK	1	14	21.61	21.70	21.63	23.00
3	QPSK	8	0	20.56	20.63	20.46	22.00
3	QPSK	8	4	20.55	20.59	20.56	22.00
3	QPSK	8	7	20.64	20.61	20.60	22.00
3	QPSK	15	0	20.55	20.61	20.43	22.00
3	16QAM	1	0	20.83	21.00	20.80	22.00
3	16QAM	1	8	21.02	20.97	20.88	22.00
3	16QAM	1	14	20.98	21.08	20.91	22.00
3	16QAM	8	0	19.50	19.65	19.42	21.00



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3	16QAM	8	4	19.56	19.62	19.62	21.00
3	16QAM	8	7	19.57	19.59	19.54	21.00
3	16QAM	15	0	19.57	19.57	19.47	21.00
3	64QAM	1	0	19.80	19.86	19.73	21.00
3	64QAM	1	8	19.72	19.78	19.65	21.00
3	64QAM	1	14	19.79	19.87	19.74	21.00
3	64QAM	8	0	18.61	18.59	18.56	20.00
3	64QAM	8	4	18.40	18.60	18.52	20.00
3	64QAM	8	7	18.55	18.62	18.50	20.00
3	64QAM	15	0	18.61	18.55	18.50	20.00
3	256QAM	1	0	16.62	16.76	16.69	18.00
3	256QAM	1	8	16.68	16.79	16.71	18.00
3	256QAM	1	14	16.55	16.73	16.61	18.00
3	256QAM	8	0	16.56	16.68	16.50	18.00
3	256QAM	8	4	16.56	16.55	16.58	18.00
3	256QAM	8	7	16.60	16.65	16.60	18.00
3	256QAM	15	0	16.56	16.60	16.54	18.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	21.65	21.69	21.73	23.00
1.4	QPSK	1	3	21.54	21.64	21.55	23.00
1.4	QPSK	1	5	21.64	21.70	21.56	23.00
1.4	QPSK	3	0	21.57	21.65	21.58	23.00
1.4	QPSK	3	1	21.53	21.59	21.48	23.00
1.4	QPSK	3	3	21.61	21.68	21.61	23.00
1.4	QPSK	6	0	20.61	20.58	20.50	22.00
1.4	16QAM	1	0	20.88	21.01	20.86	22.00
1.4	16QAM	1	3	20.90	21.00	20.84	22.00
1.4	16QAM	1	5	20.89	20.97	20.92	22.00
1.4	16QAM	3	0	20.54	20.63	20.51	22.00
1.4	16QAM	3	1	20.55	20.60	20.52	22.00
1.4	16QAM	3	3	20.59	20.68	20.54	22.00
1.4	16QAM	6	0	19.57	19.59	19.48	21.00
1.4	64QAM	1	0	19.83	19.91	19.78	21.00
1.4	64QAM	1	3	19.72	19.87	19.67	21.00
1.4	64QAM	1	5	19.74	19.90	19.72	21.00
1.4	64QAM	3	0	19.55	19.66	19.56	21.00
1.4	64QAM	3	1	19.53	19.59	19.55	21.00
1.4	64QAM	3	3	19.51	19.54	19.55	21.00
1.4	64QAM	6	0	18.54	18.64	18.57	20.00
1.4	256QAM	1	0	16.69	16.76	16.74	18.00
1.4	256QAM	1	3	16.65	16.74	16.75	18.00
1.4	256QAM	1	5	16.66	16.67	16.67	18.00
1.4	256QAM	3	0	16.48	16.57	16.52	18.00
1.4	256QAM	3	1	16.57	16.68	16.58	18.00
1.4	256QAM	3	3	16.53	16.64	16.50	18.00
1.4	256QAM	6	0	16.52	16.68	16.57	18.00

【LTE Band 5_Ant 4_ECI 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	21.32	21.35	21.27	22.50
10	QPSK	1	25	21.18	21.23	21.24	22.50
10	QPSK	1	49	21.27	21.19	21.25	22.50
10	QPSK	25	0	20.69	20.76	20.60	22.00
10	QPSK	25	12	20.56	20.71	20.58	22.00
10	QPSK	25	25	20.67	20.74	20.64	22.00
10	QPSK	50	0	20.67	20.72	20.55	22.00
10	16QAM	1	0	20.98	21.06	20.92	22.00
10	16QAM	1	25	21.04	21.12	20.98	22.00
10	16QAM	1	49	21.02	21.11	21.02	22.00
10	16QAM	25	0	19.63	19.74	19.57	21.00
10	16QAM	25	12	19.57	19.72	19.63	21.00
10	16QAM	25	25	19.66	19.72	19.66	21.00
10	16QAM	50	0	19.63	19.71	19.61	21.00
10	64QAM	1	0	19.92	19.96	19.86	21.00
10	64QAM	1	25	19.81	19.88	19.72	21.00
10	64QAM	1	49	19.85	19.94	19.81	21.00
10	64QAM	25	0	18.65	18.70	18.61	20.00
10	64QAM	25	12	18.55	18.68	18.60	20.00
10	64QAM	25	25	18.63	18.69	18.61	20.00
10	64QAM	50	0	18.64	18.69	18.59	20.00
10	256QAM	1	0	16.76	16.88	16.79	18.00



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10	256QAM	1	25	16.74	16.89	16.78	18.00
10	256QAM	1	49	16.67	16.75	16.72	18.00
10	256QAM	25	0	16.63	16.71	16.59	18.00
10	256QAM	25	12	16.66	16.69	16.61	18.00
10	256QAM	25	25	16.61	16.71	16.64	18.00
10	256QAM	50	0	16.58	16.72	16.69	18.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	21.18	21.33	21.13	22.50
5	QPSK	1	12	21.09	21.14	21.19	22.50
5	QPSK	1	24	21.22	21.07	21.23	22.50
5	QPSK	12	0	20.58	20.62	20.47	22.00
5	QPSK	12	7	20.50	20.62	20.50	22.00
5	QPSK	12	13	20.58	20.69	20.54	22.00
5	QPSK	25	0	20.66	20.68	20.48	22.00
5	16QAM	1	0	20.89	20.92	20.82	22.00
5	16QAM	1	12	20.95	21.02	20.94	22.00
5	16QAM	1	24	20.87	21.01	20.94	22.00
5	16QAM	12	0	19.59	19.65	19.45	21.00
5	16QAM	12	7	19.49	19.61	19.60	21.00
5	16QAM	12	13	19.63	19.62	19.55	21.00
5	16QAM	25	0	19.55	19.61	19.47	21.00
5	64QAM	1	0	19.80	19.86	19.80	21.00
5	64QAM	1	12	19.72	19.78	19.69	21.00
5	64QAM	1	24	19.72	19.88	19.72	21.00
5	64QAM	12	0	18.61	18.63	18.57	20.00
5	64QAM	12	7	18.43	18.63	18.46	20.00
5	64QAM	12	13	18.55	18.63	18.47	20.00
5	64QAM	25	0	18.57	18.59	18.54	20.00
5	256QAM	1	0	16.69	16.83	16.77	18.00
5	256QAM	1	12	16.70	16.79	16.67	18.00
5	256QAM	1	24	16.65	16.62	16.60	18.00
5	256QAM	12	0	16.55	16.60	16.50	18.00
5	256QAM	12	7	16.63	16.65	16.52	18.00
5	256QAM	12	13	16.46	16.58	16.49	18.00
5	256QAM	25	0	16.55	16.59	16.55	18.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	21.23	21.22	21.17	22.50
3	QPSK	1	8	21.14	21.16	21.18	22.50
3	QPSK	1	14	21.15	21.04	21.20	22.50
3	QPSK	8	0	20.56	20.63	20.46	22.00
3	QPSK	8	4	20.55	20.59	20.56	22.00
3	QPSK	8	7	20.64	20.61	20.60	22.00
3	QPSK	15	0	20.55	20.61	20.43	22.00
3	16QAM	1	0	20.83	21.00	20.80	22.00
3	16QAM	1	8	21.02	20.97	20.88	22.00
3	16QAM	1	14	20.98	21.08	20.91	22.00
3	16QAM	8	0	19.50	19.65	19.42	21.00
3	16QAM	8	4	19.56	19.62	19.62	21.00
3	16QAM	8	7	19.57	19.59	19.54	21.00
3	16QAM	15	0	19.57	19.57	19.47	21.00
3	64QAM	1	0	19.80	19.86	19.73	21.00
3	64QAM	1	8	19.72	19.78	19.65	21.00
3	64QAM	1	14	19.79	19.87	19.74	21.00
3	64QAM	8	0	18.61	18.59	18.56	20.00
3	64QAM	8	4	18.40	18.60	18.52	20.00
3	64QAM	8	7	18.55	18.62	18.50	20.00
3	64QAM	15	0	18.61	18.55	18.50	20.00
3	256QAM	1	0	16.62	16.76	16.69	18.00
3	256QAM	1	8	16.68	16.79	16.71	18.00
3	256QAM	1	14	16.55	16.73	16.61	18.00
3	256QAM	8	0	16.56	16.68	16.50	18.00
3	256QAM	8	4	16.56	16.55	16.58	18.00
3	256QAM	8	7	16.60	16.65	16.60	18.00
3	256QAM	15	0	16.56	16.60	16.54	18.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	21.30	21.23	21.20	22.50
1.4	QPSK	1	3	21.08	21.19	21.13	22.50
1.4	QPSK	1	5	21.20	21.09	21.18	22.50
1.4	QPSK	3	0	21.25	21.21	21.17	22.50
1.4	QPSK	3	1	21.17	21.16	21.04	22.50
1.4	QPSK	3	3	21.07	21.12	21.21	22.50
1.4	QPSK	6	0	20.61	20.58	20.50	22.00
1.4	16QAM	1	0	20.88	21.01	20.86	22.00
1.4	16QAM	1	3	20.90	21.00	20.84	22.00
1.4	16QAM	1	5	20.89	20.97	20.92	22.00



1.4	16QAM	3	0	20.54	20.63	20.51	22.00
1.4	16QAM	3	1	20.55	20.60	20.52	22.00
1.4	16QAM	3	3	20.59	20.68	20.54	22.00
1.4	16QAM	6	0	19.57	19.59	19.48	21.00
1.4	64QAM	1	0	19.83	19.91	19.78	21.00
1.4	64QAM	1	3	19.72	19.87	19.67	21.00
1.4	64QAM	1	5	19.74	19.90	19.72	21.00
1.4	64QAM	3	0	19.55	19.66	19.56	21.00
1.4	64QAM	3	1	19.53	19.59	19.55	21.00
1.4	64QAM	3	3	19.51	19.54	19.55	21.00
1.4	64QAM	6	0	18.54	18.64	18.57	20.00
1.4	256QAM	1	0	16.69	16.76	16.74	18.00
1.4	256QAM	1	3	16.65	16.74	16.75	18.00
1.4	256QAM	1	5	16.66	16.67	16.67	18.00
1.4	256QAM	3	0	16.48	16.57	16.52	18.00
1.4	256QAM	3	1	16.57	16.68	16.58	18.00
1.4	256QAM	3	3	16.53	16.64	16.50	18.00
1.4	256QAM	6	0	16.52	16.68	16.57	18.00

【LTE Band 5_Ant 4_ECI 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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.32	21.35	21.27	22.50
10	QPSK	1	25	21.18	21.23	21.24	22.50
10	QPSK	1	49	21.27	21.19	21.25	22.50
10	QPSK	25	0	21.27	21.33	21.26	21.80
10	QPSK	25	12	21.20	21.21	21.18	21.80
10	QPSK	25	25	21.15	21.27	21.23	21.80
10	QPSK	50	0	21.20	21.26	21.20	21.80
10	16QAM	1	0	21.18	21.24	21.17	21.80
10	16QAM	1	25	21.27	21.16	21.24	21.80
10	16QAM	1	49	21.20	21.26	21.22	21.80
10	16QAM	25	0	19.63	19.74	19.57	20.80
10	16QAM	25	12	19.57	19.72	19.63	20.80
10	16QAM	25	25	19.66	19.72	19.66	20.80
10	16QAM	50	0	19.63	19.71	19.61	20.80
10	64QAM	1	0	19.92	19.96	19.86	20.80
10	64QAM	1	25	19.81	19.88	19.72	20.80
10	64QAM	1	49	19.85	19.94	19.81	20.80
10	64QAM	25	0	18.65	18.70	18.61	19.80
10	64QAM	25	12	18.55	18.68	18.60	19.80
10	64QAM	25	25	18.63	18.69	18.61	19.80
10	64QAM	50	0	18.64	18.69	18.59	19.80
10	256QAM	1	0	16.76	16.88	16.79	17.80
10	256QAM	1	25	16.74	16.89	16.78	17.80
10	256QAM	1	49	16.67	16.75	16.72	17.80
10	256QAM	25	0	16.63	16.71	16.59	17.80
10	256QAM	25	12	16.66	16.69	16.61	17.80
10	256QAM	25	25	16.61	16.71	16.64	17.80
10	256QAM	50	0	16.58	16.72	16.69	17.80
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.29	21.22	21.16	22.50
5	QPSK	1	12	21.04	21.21	21.18	22.50
5	QPSK	1	24	21.26	21.12	21.17	22.50
5	QPSK	12	0	21.13	21.31	21.24	21.80
5	QPSK	12	7	21.05	21.07	21.06	21.80
5	QPSK	12	13	21.06	21.22	21.18	21.80
5	QPSK	25	0	21.19	21.19	21.17	21.80
5	16QAM	1	0	21.04	21.22	21.04	21.80
5	16QAM	1	12	21.23	21.06	21.11	21.80
5	16QAM	1	24	21.15	21.16	21.18	21.80
5	16QAM	12	0	19.52	19.71	19.54	20.80
5	16QAM	12	7	19.44	19.66	19.61	20.80
5	16QAM	12	13	19.62	19.63	19.59	20.80
5	16QAM	25	0	19.61	19.61	19.46	20.80
5	64QAM	1	0	19.81	19.90	19.78	20.80
5	64QAM	1	12	19.73	19.83	19.66	20.80
5	64QAM	1	24	19.70	19.90	19.79	20.80
5	64QAM	12	0	18.62	18.66	18.51	19.80



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5	64QAM	12	7	18.42	18.60	18.52	19.80
5	64QAM	12	13	18.58	18.54	18.51	19.80
5	64QAM	25	0	18.50	18.68	18.53	19.80
5	256QAM	1	0	16.61	16.85	16.67	17.80
5	256QAM	1	12	16.69	16.84	16.65	17.80
5	256QAM	1	24	16.54	16.61	16.62	17.80
5	256QAM	12	0	16.58	16.57	16.52	17.80
5	256QAM	12	7	16.51	16.64	16.51	17.80
5	256QAM	12	13	16.59	16.67	16.49	17.80
5	256QAM	25	0	16.55	16.61	16.55	17.80
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.25	21.23	21.16	22.50
3	QPSK	1	8	21.10	21.15	21.10	22.50
3	QPSK	1	14	21.22	21.09	21.19	22.50
3	QPSK	8	0	21.13	21.21	21.23	21.80
3	QPSK	8	4	21.11	21.08	21.15	21.80
3	QPSK	8	7	21.08	21.16	21.16	21.80
3	QPSK	15	0	21.05	21.25	21.17	21.80
3	16QAM	1	0	21.04	21.10	21.03	21.80
3	16QAM	1	8	21.20	21.07	21.19	21.80
3	16QAM	1	14	21.17	21.19	21.20	21.80
3	16QAM	8	0	19.55	19.60	19.46	20.80
3	16QAM	8	4	19.49	19.69	19.50	20.80
3	16QAM	8	7	19.53	19.62	19.63	20.80
3	16QAM	15	0	19.56	19.66	19.52	20.80
3	64QAM	1	0	19.82	19.89	19.81	20.80
3	64QAM	1	8	19.72	19.80	19.58	20.80
3	64QAM	1	14	19.80	19.85	19.72	20.80
3	64QAM	8	0	18.57	18.55	18.48	19.80
3	64QAM	8	4	18.42	18.62	18.48	19.80
3	64QAM	8	7	18.60	18.57	18.47	19.80
3	64QAM	15	0	18.51	18.62	18.46	19.80
3	256QAM	1	0	16.70	16.80	16.67	17.80
3	256QAM	1	8	16.69	16.81	16.72	17.80
3	256QAM	1	14	16.57	16.71	16.58	17.80
3	256QAM	8	0	16.51	16.61	16.57	17.80
3	256QAM	8	4	16.52	16.63	16.48	17.80
3	256QAM	8	7	16.58	16.67	16.55	17.80
3	256QAM	15	0	16.48	16.66	16.61	17.80
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	21.26	21.32	21.15	22.50
1.4	QPSK	1	3	21.05	21.16	21.14	22.50
1.4	QPSK	1	5	21.19	21.13	21.10	22.50
1.4	QPSK	3	0	21.88	21.91	21.83	22.50
1.4	QPSK	3	1	21.87	21.82	21.73	22.50
1.4	QPSK	3	3	21.78	21.91	21.82	22.50
1.4	QPSK	6	0	21.11	21.18	21.18	21.80
1.4	16QAM	1	0	21.05	21.20	21.07	21.80
1.4	16QAM	1	3	21.21	21.13	21.10	21.80
1.4	16QAM	1	5	21.05	21.17	21.20	21.80
1.4	16QAM	3	0	20.53	20.72	20.46	21.80
1.4	16QAM	3	1	20.45	20.63	20.61	21.80
1.4	16QAM	3	3	20.60	20.58	20.62	21.80
1.4	16QAM	6	0	19.52	19.61	19.56	20.80
1.4	64QAM	1	0	19.90	19.93	19.84	20.80
1.4	64QAM	1	3	19.75	19.85	19.64	20.80
1.4	64QAM	1	5	19.84	19.90	19.70	20.80
1.4	64QAM	3	0	19.53	19.59	19.51	20.80
1.4	64QAM	3	1	19.48	19.59	19.51	20.80
1.4	64QAM	3	3	19.57	19.67	19.50	20.80
1.4	64QAM	6	0	18.52	18.63	18.45	19.80
1.4	256QAM	1	0	16.73	16.73	16.64	17.80
1.4	256QAM	1	3	16.66	16.78	16.75	17.80
1.4	256QAM	1	5	16.59	16.64	16.65	17.80
1.4	256QAM	3	0	16.59	16.56	16.45	17.80
1.4	256QAM	3	1	16.65	16.58	16.53	17.80
1.4	256QAM	3	3	16.52	16.69	16.60	17.80
1.4	256QAM	6	0	16.48	16.59	16.61	17.80

**【LTE Band 5_Ant 4_ECI 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	21.76	21.77	21.75	23.00
10	QPSK	1	25	21.61	21.71	21.66	23.00
10	QPSK	1	49	21.66	21.76	21.70	23.00
10	QPSK	25	0	20.69	20.76	20.60	22.00
10	QPSK	25	12	20.56	20.71	20.58	22.00
10	QPSK	25	25	20.67	20.74	20.64	22.00
10	QPSK	50	0	20.67	20.72	20.55	22.00
10	16QAM	1	0	20.98	21.06	20.92	22.00
10	16QAM	1	25	21.04	21.12	20.98	22.00
10	16QAM	1	49	21.02	21.11	21.02	22.00
10	16QAM	25	0	19.63	19.74	19.57	21.00
10	16QAM	25	12	19.57	19.72	19.63	21.00
10	16QAM	25	25	19.66	19.72	19.66	21.00
10	16QAM	50	0	19.63	19.71	19.61	21.00
10	64QAM	1	0	19.92	19.96	19.86	21.00
10	64QAM	1	25	19.81	19.88	19.72	21.00
10	64QAM	1	49	19.85	19.94	19.81	21.00
10	64QAM	25	0	18.65	18.70	18.61	20.00
10	64QAM	25	12	18.55	18.68	18.60	20.00
10	64QAM	25	25	18.63	18.69	18.61	20.00
10	64QAM	50	0	18.64	18.69	18.59	20.00
10	256QAM	1	0	16.76	16.88	16.79	18.00
10	256QAM	1	25	16.74	16.89	16.78	18.00
10	256QAM	1	49	16.67	16.75	16.72	18.00
10	256QAM	25	0	16.63	16.71	16.59	18.00
10	256QAM	25	12	16.66	16.69	16.61	18.00
10	256QAM	25	25	16.61	16.71	16.64	18.00
10	256QAM	50	0	16.58	16.72	16.69	18.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.72	21.75	21.73	23.00
5	QPSK	1	12	21.50	21.59	21.57	23.00
5	QPSK	1	24	21.61	21.74	21.61	23.00
5	QPSK	12	0	20.58	20.62	20.47	22.00
5	QPSK	12	7	20.50	20.62	20.50	22.00
5	QPSK	12	13	20.58	20.69	20.54	22.00
5	QPSK	25	0	20.66	20.68	20.48	22.00
5	16QAM	1	0	20.89	20.92	20.82	22.00
5	16QAM	1	12	20.95	21.02	20.94	22.00
5	16QAM	1	24	20.87	21.01	20.94	22.00
5	16QAM	12	0	19.59	19.65	19.45	21.00
5	16QAM	12	7	19.49	19.61	19.60	21.00
5	16QAM	12	13	19.63	19.62	19.55	21.00
5	16QAM	25	0	19.55	19.61	19.47	21.00
5	64QAM	1	0	19.80	19.86	19.80	21.00
5	64QAM	1	12	19.72	19.78	19.69	21.00
5	64QAM	1	24	19.72	19.88	19.72	21.00
5	64QAM	12	0	18.61	18.63	18.57	20.00
5	64QAM	12	7	18.43	18.63	18.46	20.00
5	64QAM	12	13	18.55	18.63	18.47	20.00
5	64QAM	25	0	18.57	18.59	18.54	20.00
5	256QAM	1	0	16.69	16.83	16.77	18.00
5	256QAM	1	12	16.70	16.79	16.67	18.00
5	256QAM	1	24	16.65	16.62	16.60	18.00
5	256QAM	12	0	16.55	16.60	16.50	18.00
5	256QAM	12	7	16.63	16.65	16.52	18.00
5	256QAM	12	13	16.46	16.58	16.49	18.00
5	256QAM	25	0	16.55	16.59	16.55	18.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.64	21.68	21.70	23.00
3	QPSK	1	8	21.54	21.60	21.55	23.00
3	QPSK	1	14	21.61	21.70	21.63	23.00
3	QPSK	8	0	20.56	20.63	20.46	22.00
3	QPSK	8	4	20.55	20.59	20.56	22.00
3	QPSK	8	7	20.64	20.61	20.60	22.00
3	QPSK	15	0	20.55	20.61	20.43	22.00
3	16QAM	1	0	20.83	21.00	20.80	22.00
3	16QAM	1	8	21.02	20.97	20.88	22.00
3	16QAM	1	14	20.98	21.08	20.91	22.00
3	16QAM	8	0	19.50	19.65	19.42	21.00



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3	16QAM	8	4	19.56	19.62	19.62	21.00
3	16QAM	8	7	19.57	19.59	19.54	21.00
3	16QAM	15	0	19.57	19.57	19.47	21.00
3	64QAM	1	0	19.80	19.86	19.73	21.00
3	64QAM	1	8	19.72	19.78	19.65	21.00
3	64QAM	1	14	19.79	19.87	19.74	21.00
3	64QAM	8	0	18.61	18.59	18.56	20.00
3	64QAM	8	4	18.40	18.60	18.52	20.00
3	64QAM	8	7	18.55	18.62	18.50	20.00
3	64QAM	15	0	18.61	18.55	18.50	20.00
3	256QAM	1	0	16.62	16.76	16.69	18.00
3	256QAM	1	8	16.68	16.79	16.71	18.00
3	256QAM	1	14	16.55	16.73	16.61	18.00
3	256QAM	8	0	16.56	16.68	16.50	18.00
3	256QAM	8	4	16.56	16.55	16.58	18.00
3	256QAM	8	7	16.60	16.65	16.60	18.00
3	256QAM	15	0	16.56	16.60	16.54	18.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	21.65	21.69	21.73	23.00
1.4	QPSK	1	3	21.54	21.64	21.55	23.00
1.4	QPSK	1	5	21.64	21.70	21.56	23.00
1.4	QPSK	3	0	21.57	21.65	21.58	23.00
1.4	QPSK	3	1	21.53	21.59	21.48	23.00
1.4	QPSK	3	3	21.61	21.68	21.61	23.00
1.4	QPSK	6	0	20.61	20.58	20.50	22.00
1.4	16QAM	1	0	20.88	21.01	20.86	22.00
1.4	16QAM	1	3	20.90	21.00	20.84	22.00
1.4	16QAM	1	5	20.89	20.97	20.92	22.00
1.4	16QAM	3	0	20.54	20.63	20.51	22.00
1.4	16QAM	3	1	20.55	20.60	20.52	22.00
1.4	16QAM	3	3	20.59	20.68	20.54	22.00
1.4	16QAM	6	0	19.57	19.59	19.48	21.00
1.4	64QAM	1	0	19.83	19.91	19.78	21.00
1.4	64QAM	1	3	19.72	19.87	19.67	21.00
1.4	64QAM	1	5	19.74	19.90	19.72	21.00
1.4	64QAM	3	0	19.55	19.66	19.56	21.00
1.4	64QAM	3	1	19.53	19.59	19.55	21.00
1.4	64QAM	3	3	19.51	19.54	19.55	21.00
1.4	64QAM	6	0	18.54	18.64	18.57	20.00
1.4	256QAM	1	0	16.69	16.76	16.74	18.00
1.4	256QAM	1	3	16.65	16.74	16.75	18.00
1.4	256QAM	1	5	16.66	16.67	16.67	18.00
1.4	256QAM	3	0	16.48	16.57	16.52	18.00
1.4	256QAM	3	1	16.57	16.68	16.58	18.00
1.4	256QAM	3	3	16.53	16.64	16.50	18.00
1.4	256QAM	6	0	16.52	16.68	16.57	18.00

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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				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.76	21.77	21.75	23.00
10	QPSK	1	25	21.61	21.71	21.66	23.00
10	QPSK	1	49	21.66	21.76	21.70	23.00
10	QPSK	25	0	20.69	20.76	20.60	22.00
10	QPSK	25	12	20.56	20.71	20.58	22.00
10	QPSK	25	25	20.67	20.74	20.64	22.00
10	QPSK	50	0	20.67	20.72	20.55	22.00
10	16QAM	1	0	20.98	21.06	20.92	22.00
10	16QAM	1	25	21.04	21.12	20.98	22.00
10	16QAM	1	49	21.02	21.11	21.02	22.00
10	16QAM	25	0	19.63	19.74	19.57	21.00
10	16QAM	25	12	19.57	19.72	19.63	21.00
10	16QAM	25	25	19.66	19.72	19.66	21.00
10	16QAM	50	0	19.63	19.71	19.61	21.00
10	64QAM	1	0	19.92	19.96	19.86	21.00
10	64QAM	1	25	19.81	19.88	19.72	21.00
10	64QAM	1	49	19.85	19.94	19.81	21.00
10	64QAM	25	0	18.65	18.70	18.61	20.00
10	64QAM	25	12	18.55	18.68	18.60	20.00



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10	64QAM	25	25	18.63	18.69	18.61	20.00
10	64QAM	50	0	18.64	18.69	18.59	20.00
10	256QAM	1	0	16.76	16.88	16.79	18.00
10	256QAM	1	25	16.74	16.89	16.78	18.00
10	256QAM	1	49	16.67	16.75	16.72	18.00
10	256QAM	25	0	16.63	16.71	16.59	18.00
10	256QAM	25	12	16.66	16.69	16.61	18.00
10	256QAM	25	25	16.61	16.71	16.64	18.00
10	256QAM	50	0	16.58	16.72	16.69	18.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	21.72	21.75	21.73	23.00
5	QPSK	1	12	21.50	21.59	21.57	23.00
5	QPSK	1	24	21.61	21.74	21.61	23.00
5	QPSK	12	0	20.58	20.62	20.47	22.00
5	QPSK	12	7	20.50	20.62	20.50	22.00
5	QPSK	12	13	20.58	20.69	20.54	22.00
5	QPSK	25	0	20.66	20.68	20.48	22.00
5	16QAM	1	0	20.89	20.92	20.82	22.00
5	16QAM	1	12	20.95	21.02	20.94	22.00
5	16QAM	1	24	20.87	21.01	20.94	22.00
5	16QAM	12	0	19.59	19.65	19.45	21.00
5	16QAM	12	7	19.49	19.61	19.60	21.00
5	16QAM	12	13	19.63	19.62	19.55	21.00
5	16QAM	25	0	19.55	19.61	19.47	21.00
5	64QAM	1	0	19.80	19.86	19.80	21.00
5	64QAM	1	12	19.72	19.78	19.69	21.00
5	64QAM	1	24	19.72	19.88	19.72	21.00
5	64QAM	12	0	18.61	18.63	18.57	20.00
5	64QAM	12	7	18.43	18.63	18.46	20.00
5	64QAM	12	13	18.55	18.63	18.47	20.00
5	64QAM	25	0	18.57	18.59	18.54	20.00
5	256QAM	1	0	16.69	16.83	16.77	18.00
5	256QAM	1	12	16.70	16.79	16.67	18.00
5	256QAM	1	24	16.65	16.62	16.60	18.00
5	256QAM	12	0	16.55	16.60	16.50	18.00
5	256QAM	12	7	16.63	16.65	16.52	18.00
5	256QAM	12	13	16.46	16.58	16.49	18.00
5	256QAM	25	0	16.55	16.59	16.55	18.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	21.64	21.68	21.70	23.00
3	QPSK	1	8	21.54	21.60	21.55	23.00
3	QPSK	1	14	21.61	21.70	21.63	23.00
3	QPSK	8	0	20.56	20.63	20.46	22.00
3	QPSK	8	4	20.55	20.59	20.56	22.00
3	QPSK	8	7	20.64	20.61	20.60	22.00
3	QPSK	15	0	20.55	20.61	20.43	22.00
3	16QAM	1	0	20.83	21.00	20.80	22.00
3	16QAM	1	8	21.02	20.97	20.88	22.00
3	16QAM	1	14	20.98	21.08	20.91	22.00
3	16QAM	8	0	19.50	19.65	19.42	21.00
3	16QAM	8	4	19.56	19.62	19.62	21.00
3	16QAM	8	7	19.57	19.59	19.54	21.00
3	16QAM	15	0	19.57	19.57	19.47	21.00
3	64QAM	1	0	19.80	19.86	19.73	21.00
3	64QAM	1	8	19.72	19.78	19.65	21.00
3	64QAM	1	14	19.79	19.87	19.74	21.00
3	64QAM	8	0	18.61	18.59	18.56	20.00
3	64QAM	8	4	18.40	18.60	18.52	20.00
3	64QAM	8	7	18.55	18.62	18.50	20.00
3	64QAM	15	0	18.61	18.55	18.50	20.00
3	256QAM	1	0	16.62	16.76	16.69	18.00
3	256QAM	1	8	16.68	16.79	16.71	18.00
3	256QAM	1	14	16.55	16.73	16.61	18.00
3	256QAM	8	0	16.56	16.68	16.50	18.00
3	256QAM	8	4	16.56	16.55	16.58	18.00
3	256QAM	8	7	16.60	16.65	16.60	18.00
3	256QAM	15	0	16.56	16.60	16.54	18.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	21.65	21.69	21.73	23.00
1.4	QPSK	1	3	21.54	21.64	21.55	23.00
1.4	QPSK	1	5	21.64	21.70	21.56	23.00
1.4	QPSK	3	0	21.57	21.65	21.58	23.00
1.4	QPSK	3	1	21.53	21.59	21.48	23.00
1.4	QPSK	3	3	21.61	21.68	21.61	23.00
1.4	QPSK	6	0	20.61	20.58	20.50	22.00



1.4	16QAM	1	0	20.88	21.01	20.86	22.00
1.4	16QAM	1	3	20.90	21.00	20.84	22.00
1.4	16QAM	1	5	20.89	20.97	20.92	22.00
1.4	16QAM	3	0	20.54	20.63	20.51	22.00
1.4	16QAM	3	1	20.55	20.60	20.52	22.00
1.4	16QAM	3	3	20.59	20.68	20.54	22.00
1.4	16QAM	6	0	19.57	19.59	19.48	21.00
1.4	64QAM	1	0	19.83	19.91	19.78	21.00
1.4	64QAM	1	3	19.72	19.87	19.67	21.00
1.4	64QAM	1	5	19.74	19.90	19.72	21.00
1.4	64QAM	3	0	19.55	19.66	19.56	21.00
1.4	64QAM	3	1	19.53	19.59	19.55	21.00
1.4	64QAM	3	3	19.51	19.54	19.55	21.00
1.4	64QAM	6	0	18.54	18.64	18.57	20.00
1.4	256QAM	1	0	16.69	16.76	16.74	18.00
1.4	256QAM	1	3	16.65	16.74	16.75	18.00
1.4	256QAM	1	5	16.66	16.67	16.67	18.00
1.4	256QAM	3	0	16.48	16.57	16.52	18.00
1.4	256QAM	3	1	16.57	16.68	16.58	18.00
1.4	256QAM	3	3	16.53	16.64	16.50	18.00
1.4	256QAM	6	0	16.52	16.68	16.57	18.00

【LTE Band 5_Ant 4_ECI 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	19.24	19.26	19.27	20.10
10	QPSK	1	25	19.15	19.18	19.11	20.10
10	QPSK	1	49	19.10	19.23	19.08	20.10
10	QPSK	25	0	19.13	19.24	19.14	20.10
10	QPSK	25	12	19.14	19.10	19.16	20.10
10	QPSK	25	25	19.10	19.16	19.15	20.10
10	QPSK	50	0	19.13	19.14	19.03	20.10
10	16QAM	1	0	19.08	19.17	19.18	20.10
10	16QAM	1	25	19.12	19.17	19.12	20.10
10	16QAM	1	49	19.13	19.12	19.13	20.10
10	16QAM	25	0	19.17	19.12	19.14	20.10
10	16QAM	25	12	19.11	19.17	19.10	20.10
10	16QAM	25	25	19.16	19.24	19.17	20.10
10	16QAM	50	0	19.15	19.17	19.09	20.10
10	64QAM	1	0	19.17	19.07	19.08	20.10
10	64QAM	1	25	19.07	19.14	19.04	20.10
10	64QAM	1	49	19.13	19.12	19.02	20.10
10	64QAM	25	0	18.65	18.70	18.61	19.60
10	64QAM	25	12	18.55	18.68	18.60	19.60
10	64QAM	25	25	18.63	18.69	18.61	19.60
10	64QAM	50	0	18.64	18.69	18.59	19.60
10	256QAM	1	0	16.76	16.88	16.79	17.60
10	256QAM	1	25	16.74	16.89	16.78	17.60
10	256QAM	1	49	16.67	16.75	16.72	17.60
10	256QAM	25	0	16.63	16.71	16.59	17.60
10	256QAM	25	12	16.66	16.69	16.61	17.60
10	256QAM	25	25	16.61	16.71	16.64	17.60
10	256QAM	50	0	16.58	16.72	16.69	17.60
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.13	19.19	19.20	20.10
5	QPSK	1	12	19.09	19.10	19.00	20.10
5	QPSK	1	24	19.05	19.20	19.03	20.10
5	QPSK	12	0	19.08	19.16	19.03	20.10
5	QPSK	12	7	18.99	18.97	19.04	20.10
5	QPSK	12	13	19.00	19.03	19.08	20.10
5	QPSK	25	0	19.04	19.07	18.96	20.10
5	16QAM	1	0	19.06	19.07	19.11	20.10
5	16QAM	1	12	19.03	19.11	19.06	20.10
5	16QAM	1	24	19.03	18.97	18.99	20.10
5	16QAM	12	0	19.15	18.99	19.08	20.10
5	16QAM	12	7	19.08	19.06	19.06	20.10
5	16QAM	12	13	19.11	19.23	19.10	20.10
5	16QAM	25	0	19.04	19.13	18.99	20.10
5	64QAM	1	0	19.09	18.98	19.00	20.10



5	64QAM	1	12	18.98	19.10	18.92	20.10
5	64QAM	1	24	19.12	19.00	18.92	20.10
5	64QAM	12	0	18.63	18.59	18.48	19.60
5	64QAM	12	7	18.41	18.56	18.55	19.60
5	64QAM	12	13	18.52	18.60	18.55	19.60
5	64QAM	25	0	18.56	18.63	18.47	19.60
5	256QAM	1	0	16.66	16.73	16.77	17.60
5	256QAM	1	12	16.61	16.82	16.71	17.60
5	256QAM	1	24	16.64	16.64	16.57	17.60
5	256QAM	12	0	16.55	16.63	16.51	17.60
5	256QAM	12	7	16.52	16.55	16.53	17.60
5	256QAM	12	13	16.58	16.68	16.61	17.60
5	256QAM	25	0	16.43	16.69	16.60	17.60
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	19.19	19.15	19.13	20.10
3	QPSK	1	8	19.00	19.13	18.98	20.10
3	QPSK	1	14	18.97	19.18	18.94	20.10
3	QPSK	8	0	18.99	19.11	19.00	20.10
3	QPSK	8	4	19.01	19.03	19.14	20.10
3	QPSK	8	7	18.98	19.06	19.14	20.10
3	QPSK	15	0	19.02	19.10	18.94	20.10
3	16QAM	1	0	18.95	19.05	19.16	20.10
3	16QAM	1	8	19.03	19.14	19.01	20.10
3	16QAM	1	14	19.06	19.02	19.09	20.10
3	16QAM	8	0	19.13	19.06	19.10	20.10
3	16QAM	8	4	19.01	19.13	19.05	20.10
3	16QAM	8	7	19.07	19.17	19.10	20.10
3	16QAM	15	0	19.09	19.14	18.95	20.10
3	64QAM	1	0	19.13	19.05	19.02	20.10
3	64QAM	1	8	18.93	19.02	18.90	20.10
3	64QAM	1	14	19.03	19.03	18.97	20.10
3	64QAM	8	0	18.51	18.65	18.59	19.60
3	64QAM	8	4	18.52	18.61	18.45	19.60
3	64QAM	8	7	18.53	18.68	18.49	19.60
3	64QAM	15	0	18.60	18.60	18.53	19.60
3	256QAM	1	0	16.61	16.83	16.71	17.60
3	256QAM	1	8	16.64	16.76	16.70	17.60
3	256QAM	1	14	16.61	16.61	16.66	17.60
3	256QAM	8	0	16.56	16.65	16.50	17.60
3	256QAM	8	4	16.64	16.57	16.47	17.60
3	256QAM	8	7	16.57	16.65	16.55	17.60
3	256QAM	15	0	16.48	16.59	16.56	17.60
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.15	19.14	19.26	20.10
1.4	QPSK	1	3	19.10	19.04	19.00	20.10
1.4	QPSK	1	5	19.01	19.12	18.96	20.10
1.4	QPSK	3	0	19.03	19.20	19.04	20.10
1.4	QPSK	3	1	19.06	19.05	19.07	20.10
1.4	QPSK	3	3	19.07	19.12	19.03	20.10
1.4	QPSK	6	0	19.03	19.08	19.00	20.10
1.4	16QAM	1	0	19.05	19.06	19.13	20.10
1.4	16QAM	1	3	19.11	19.16	19.04	20.10
1.4	16QAM	1	5	19.07	18.98	19.08	20.10
1.4	16QAM	3	0	19.15	19.10	19.11	20.10
1.4	16QAM	3	1	19.01	19.03	18.97	20.10
1.4	16QAM	3	3	19.07	19.22	19.11	20.10
1.4	16QAM	6	0	19.06	19.11	19.01	20.10
1.4	64QAM	1	0	19.07	18.94	19.04	20.10
1.4	64QAM	1	3	19.00	19.02	18.98	20.10
1.4	64QAM	1	5	18.99	19.04	18.94	20.10
1.4	64QAM	3	0	19.12	19.12	19.06	20.10
1.4	64QAM	3	1	19.03	19.11	18.97	20.10
1.4	64QAM	3	3	19.11	19.17	19.07	20.10
1.4	64QAM	6	0	18.53	18.64	18.50	19.60
1.4	256QAM	1	0	16.74	16.79	16.71	17.60
1.4	256QAM	1	3	16.62	16.79	16.76	17.60
1.4	256QAM	1	5	16.57	16.68	16.67	17.60
1.4	256QAM	3	0	16.54	16.68	16.57	17.60
1.4	256QAM	3	1	16.58	16.63	16.48	17.60
1.4	256QAM	3	3	16.48	16.69	16.61	17.60
1.4	256QAM	6	0	16.44	16.57	16.56	17.60



【LTE Band 7_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				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.18	22.29	22.26	24.00
20	QPSK	1	49	22.02	22.22	22.05	24.00
20	QPSK	1	99	22.00	22.15	22.02	24.00
20	QPSK	50	0	21.01	21.23	21.10	23.00
20	QPSK	50	24	21.03	21.22	21.08	23.00
20	QPSK	50	50	21.05	21.19	21.10	23.00
20	QPSK	100	0	21.01	21.22	21.17	23.00
20	16QAM	1	0	21.26	21.46	21.42	23.00
20	16QAM	1	49	21.20	21.42	21.35	23.00
20	16QAM	1	99	21.25	21.48	21.31	23.00
20	16QAM	50	0	20.01	20.22	20.15	22.00
20	16QAM	50	24	20.06	20.21	20.07	22.00
20	16QAM	50	50	20.00	20.16	20.02	22.00
20	16QAM	100	0	20.10	20.21	20.15	22.00
20	64QAM	1	0	20.20	20.34	20.20	22.00
20	64QAM	1	49	20.27	20.43	20.26	22.00
20	64QAM	1	99	20.18	20.36	20.31	22.00
20	64QAM	50	0	19.11	19.23	19.15	21.00
20	64QAM	50	24	19.03	19.21	19.04	21.00
20	64QAM	50	50	19.01	19.13	19.00	21.00
20	64QAM	100	0	19.00	19.17	19.06	21.00
20	256QAM	1	0	17.15	17.26	17.09	19.00
20	256QAM	1	49	17.12	17.34	17.20	19.00
20	256QAM	1	99	17.13	17.23	17.17	19.00
20	256QAM	50	0	17.04	17.22	17.15	19.00
20	256QAM	50	24	17.01	17.18	17.05	19.00
20	256QAM	50	50	17.01	17.14	17.05	19.00
20	256QAM	100	0	17.05	17.19	17.05	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.10	22.21	22.15	24.00
15	QPSK	1	37	22.00	22.08	22.00	24.00
15	QPSK	1	74	22.00	22.02	22.02	24.00
15	QPSK	36	0	21.01	21.19	21.02	23.00
15	QPSK	36	20	21.01	21.16	21.00	23.00
15	QPSK	36	39	21.02	21.15	21.00	23.00
15	QPSK	75	0	21.00	21.13	21.09	23.00
15	16QAM	1	0	21.19	21.40	21.37	23.00
15	16QAM	1	37	21.13	21.34	21.31	23.00
15	16QAM	1	74	21.22	21.43	21.20	23.00
15	16QAM	36	0	20.00	20.18	20.06	22.00
15	16QAM	36	20	20.04	20.10	20.04	22.00
15	16QAM	36	39	20.00	20.01	20.00	22.00
15	16QAM	75	0	20.01	20.15	20.09	22.00
15	64QAM	1	0	20.17	20.32	20.11	22.00
15	64QAM	1	37	20.21	20.41	20.24	22.00
15	64QAM	1	74	20.14	20.22	20.17	22.00
15	64QAM	36	0	19.02	19.18	19.03	21.00
15	64QAM	36	20	19.00	19.09	19.02	21.00
15	64QAM	36	39	19.02	19.02	19.01	21.00
15	64QAM	75	0	19.01	19.07	19.00	21.00
15	256QAM	1	0	17.14	17.23	17.05	19.00
15	256QAM	1	37	17.10	17.23	17.19	19.00
15	256QAM	1	74	17.00	17.16	17.09	19.00
15	256QAM	36	0	17.00	17.13	17.02	19.00
15	256QAM	36	20	17.00	17.13	17.00	19.00
15	256QAM	36	39	17.00	17.03	17.00	19.00
15	256QAM	75	0	17.00	17.09	17.01	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.13	22.21	22.13	24.00
10	QPSK	1	25	22.01	22.16	22.00	24.00
10	QPSK	1	49	22.00	22.12	22.02	24.00
10	QPSK	25	0	21.01	21.09	21.06	23.00
10	QPSK	25	12	21.00	21.20	21.00	23.00
10	QPSK	25	25	21.01	21.07	21.00	23.00
10	QPSK	50	0	21.01	21.17	21.02	23.00
10	16QAM	1	0	21.13	21.34	21.33	23.00
10	16QAM	1	25	21.08	21.31	21.29	23.00
10	16QAM	1	49	21.15	21.36	21.27	23.00
10	16QAM	25	0	20.00	20.17	20.12	22.00
10	16QAM	25	12	20.05	20.13	20.04	22.00



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10	16QAM	25	25	20.02	20.05	20.01	22.00
10	16QAM	50	0	20.01	20.08	20.11	22.00
10	64QAM	1	0	20.08	20.30	20.08	22.00
10	64QAM	1	25	20.16	20.33	20.16	22.00
10	64QAM	1	49	20.06	20.22	20.23	22.00
10	64QAM	25	0	19.01	19.10	19.05	21.00
10	64QAM	25	12	19.00	19.15	19.00	21.00
10	64QAM	25	25	19.00	19.00	19.01	21.00
10	64QAM	50	0	19.00	19.03	19.01	21.00
10	256QAM	1	0	17.07	17.18	17.06	19.00
10	256QAM	1	25	17.01	17.28	17.05	19.00
10	256QAM	1	49	17.00	17.16	17.13	19.00
10	256QAM	25	0	17.00	17.18	17.07	19.00
10	256QAM	25	12	17.01	17.13	17.02	19.00
10	256QAM	25	25	17.02	17.11	17.00	19.00
10	256QAM	50	0	17.00	17.12	17.01	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.04	22.14	22.18	24.00
5	QPSK	1	12	22.00	22.18	22.00	24.00
5	QPSK	1	24	22.00	22.01	22.00	24.00
5	QPSK	12	0	21.00	21.18	21.06	23.00
5	QPSK	12	7	21.00	21.21	21.02	23.00
5	QPSK	12	13	21.02	21.04	21.02	23.00
5	QPSK	25	0	21.00	21.18	21.09	23.00
5	16QAM	1	0	21.14	21.40	21.31	23.00
5	16QAM	1	12	21.10	21.31	21.31	23.00
5	16QAM	1	24	21.22	21.44	21.25	23.00
5	16QAM	12	0	20.01	20.11	20.12	22.00
5	16QAM	12	7	20.01	20.20	20.05	22.00
5	16QAM	12	13	20.00	20.07	20.00	22.00
5	16QAM	25	0	20.04	20.09	20.04	22.00
5	64QAM	1	0	20.06	20.27	20.14	22.00
5	64QAM	1	12	20.20	20.39	20.11	22.00
5	64QAM	1	24	20.08	20.23	20.24	22.00
5	64QAM	12	0	19.05	19.17	19.08	21.00
5	64QAM	12	7	19.01	19.08	19.00	21.00
5	64QAM	12	13	19.01	19.10	19.02	21.00
5	64QAM	25	0	19.01	19.13	19.01	21.00
5	256QAM	1	0	17.10	17.19	17.06	19.00
5	256QAM	1	12	17.05	17.28	17.09	19.00
5	256QAM	1	24	17.10	17.09	17.10	19.00
5	256QAM	12	0	17.00	17.10	17.10	19.00
5	256QAM	12	7	17.01	17.06	17.00	19.00
5	256QAM	12	13	17.00	17.09	17.00	19.00
5	256QAM	25	0	17.00	17.07	17.01	19.00

【LTE Band 7_Ant 1_ECI 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	22.18	22.29	22.26	24.00
20	QPSK	1	49	22.02	22.22	22.05	24.00
20	QPSK	1	99	22.00	22.15	22.02	24.00
20	QPSK	50	0	21.01	21.23	21.10	23.00
20	QPSK	50	24	21.03	21.22	21.08	23.00
20	QPSK	50	50	21.05	21.19	21.10	23.00
20	QPSK	100	0	21.01	21.22	21.17	23.00
20	16QAM	1	0	21.26	21.46	21.42	23.00
20	16QAM	1	49	21.20	21.42	21.35	23.00
20	16QAM	1	99	21.25	21.48	21.31	23.00
20	16QAM	50	0	20.01	20.22	20.15	22.00
20	16QAM	50	24	20.06	20.21	20.07	22.00
20	16QAM	50	50	20.00	20.16	20.02	22.00
20	16QAM	100	0	20.10	20.21	20.15	22.00
20	64QAM	1	0	20.20	20.34	20.20	22.00
20	64QAM	1	49	20.27	20.43	20.26	22.00
20	64QAM	1	99	20.18	20.36	20.31	22.00
20	64QAM	50	0	19.11	19.23	19.15	21.00
20	64QAM	50	24	19.03	19.21	19.04	21.00
20	64QAM	50	50	19.01	19.13	19.00	21.00



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20	64QAM	100	0	19.00	19.17	19.06	21.00
20	256QAM	1	0	17.15	17.26	17.09	19.00
20	256QAM	1	49	17.12	17.34	17.20	19.00
20	256QAM	1	99	17.13	17.23	17.17	19.00
20	256QAM	50	0	17.04	17.22	17.15	19.00
20	256QAM	50	24	17.01	17.18	17.05	19.00
20	256QAM	50	50	17.01	17.14	17.05	19.00
20	256QAM	100	0	17.05	17.19	17.05	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	22.10	22.21	22.15	24.00
15	QPSK	1	37	22.00	22.08	22.00	24.00
15	QPSK	1	74	22.00	22.02	22.02	24.00
15	QPSK	36	0	21.01	21.19	21.02	23.00
15	QPSK	36	20	21.01	21.16	21.00	23.00
15	QPSK	36	39	21.02	21.15	21.00	23.00
15	QPSK	75	0	21.00	21.13	21.09	23.00
15	16QAM	1	0	21.19	21.40	21.37	23.00
15	16QAM	1	37	21.13	21.34	21.31	23.00
15	16QAM	1	74	21.22	21.43	21.20	23.00
15	16QAM	36	0	20.00	20.18	20.06	22.00
15	16QAM	36	20	20.04	20.10	20.04	22.00
15	16QAM	36	39	20.00	20.01	20.00	22.00
15	16QAM	75	0	20.01	20.15	20.09	22.00
15	64QAM	1	0	20.17	20.32	20.11	22.00
15	64QAM	1	37	20.21	20.41	20.24	22.00
15	64QAM	1	74	20.14	20.22	20.17	22.00
15	64QAM	36	0	19.02	19.18	19.03	21.00
15	64QAM	36	20	19.00	19.09	19.02	21.00
15	64QAM	36	39	19.02	19.02	19.01	21.00
15	64QAM	75	0	19.01	19.07	19.00	21.00
15	256QAM	1	0	17.14	17.23	17.05	19.00
15	256QAM	1	37	17.10	17.23	17.19	19.00
15	256QAM	1	74	17.00	17.16	17.09	19.00
15	256QAM	36	0	17.00	17.13	17.02	19.00
15	256QAM	36	20	17.00	17.13	17.00	19.00
15	256QAM	36	39	17.00	17.03	17.00	19.00
15	256QAM	75	0	17.00	17.09	17.01	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	22.13	22.21	22.13	24.00
10	QPSK	1	25	22.01	22.16	22.00	24.00
10	QPSK	1	49	22.00	22.12	22.02	24.00
10	QPSK	25	0	21.01	21.09	21.06	23.00
10	QPSK	25	12	21.00	21.20	21.00	23.00
10	QPSK	25	25	21.01	21.07	21.00	23.00
10	QPSK	50	0	21.01	21.17	21.02	23.00
10	16QAM	1	0	21.13	21.34	21.33	23.00
10	16QAM	1	25	21.08	21.31	21.29	23.00
10	16QAM	1	49	21.15	21.36	21.27	23.00
10	16QAM	25	0	20.00	20.17	20.12	22.00
10	16QAM	25	12	20.05	20.13	20.04	22.00
10	16QAM	25	25	20.02	20.05	20.01	22.00
10	16QAM	50	0	20.01	20.08	20.11	22.00
10	64QAM	1	0	20.08	20.30	20.08	22.00
10	64QAM	1	25	20.16	20.33	20.16	22.00
10	64QAM	1	49	20.06	20.22	20.23	22.00
10	64QAM	25	0	19.01	19.10	19.05	21.00
10	64QAM	25	12	19.00	19.15	19.00	21.00
10	64QAM	25	25	19.00	19.00	19.01	21.00
10	64QAM	50	0	19.00	19.03	19.01	21.00
10	256QAM	1	0	17.07	17.18	17.06	19.00
10	256QAM	1	25	17.01	17.28	17.05	19.00
10	256QAM	1	49	17.00	17.16	17.13	19.00
10	256QAM	25	0	17.00	17.18	17.07	19.00
10	256QAM	25	12	17.01	17.13	17.02	19.00
10	256QAM	25	25	17.02	17.11	17.00	19.00
10	256QAM	50	0	17.00	17.12	17.01	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	22.04	22.14	22.18	24.00
5	QPSK	1	12	22.00	22.18	22.00	24.00
5	QPSK	1	24	22.00	22.01	22.00	24.00
5	QPSK	12	0	21.00	21.18	21.06	23.00
5	QPSK	12	7	21.00	21.21	21.02	23.00
5	QPSK	12	13	21.02	21.04	21.02	23.00
5	QPSK	25	0	21.00	21.18	21.09	23.00
5	16QAM	1	0	21.14	21.40	21.31	23.00



5	16QAM	1	12	21.10	21.31	21.31	23.00
5	16QAM	1	24	21.22	21.44	21.25	23.00
5	16QAM	12	0	20.01	20.11	20.12	22.00
5	16QAM	12	7	20.01	20.20	20.05	22.00
5	16QAM	12	13	20.00	20.07	20.00	22.00
5	16QAM	25	0	20.04	20.09	20.04	22.00
5	64QAM	1	0	20.06	20.27	20.14	22.00
5	64QAM	1	12	20.20	20.39	20.11	22.00
5	64QAM	1	24	20.08	20.23	20.24	22.00
5	64QAM	12	0	19.05	19.17	19.08	21.00
5	64QAM	12	7	19.01	19.08	19.00	21.00
5	64QAM	12	13	19.01	19.10	19.02	21.00
5	64QAM	25	0	19.01	19.13	19.01	21.00
5	256QAM	1	0	17.10	17.19	17.06	19.00
5	256QAM	1	12	17.05	17.28	17.09	19.00
5	256QAM	1	24	17.10	17.09	17.10	19.00
5	256QAM	12	0	17.00	17.10	17.10	19.00
5	256QAM	12	7	17.01	17.06	17.00	19.00
5	256QAM	12	13	17.00	17.09	17.00	19.00
5	256QAM	25	0	17.00	17.07	17.01	19.00

【LTE Band 7_Ant 1_ECI 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	16.82	16.85	16.82	18.30
20	QPSK	1	49	16.79	16.81	16.81	18.30
20	QPSK	1	99	16.81	16.83	16.80	18.30
20	QPSK	50	0	16.80	16.83	16.78	18.30
20	QPSK	50	24	16.73	16.77	16.75	18.30
20	QPSK	50	50	16.74	16.72	16.72	18.30
20	QPSK	100	0	16.82	16.77	16.72	18.30
20	16QAM	1	0	16.82	16.79	16.80	18.30
20	16QAM	1	49	16.71	16.77	16.73	18.30
20	16QAM	1	99	16.76	16.73	16.77	18.30
20	16QAM	50	0	16.74	16.80	16.74	18.30
20	16QAM	50	24	16.73	16.73	16.73	18.30
20	16QAM	50	50	16.73	16.79	16.77	18.30
20	16QAM	100	0	16.78	16.83	16.77	18.30
20	64QAM	1	0	16.73	16.80	16.72	18.30
20	64QAM	1	49	16.75	16.82	16.73	18.30
20	64QAM	1	99	16.81	16.72	16.80	18.30
20	64QAM	50	0	16.79	16.79	16.78	18.30
20	64QAM	50	24	16.79	16.79	16.71	18.30
20	64QAM	50	50	16.81	16.77	16.75	18.30
20	64QAM	100	0	16.81	16.76	16.72	18.30
20	256QAM	1	0	16.79	16.75	16.80	18.30
20	256QAM	1	49	16.79	16.83	16.81	18.30
20	256QAM	1	99	16.76	16.81	16.82	18.30
20	256QAM	50	0	16.80	16.82	16.77	18.30
20	256QAM	50	24	16.76	16.78	16.81	18.30
20	256QAM	50	50	16.78	16.76	16.78	18.30
20	256QAM	100	0	16.74	16.73	16.74	18.30
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.71	16.71	16.71	18.30
15	QPSK	1	37	16.78	16.78	16.72	18.30
15	QPSK	1	74	16.79	16.71	16.76	18.30
15	QPSK	36	0	16.73	16.73	16.66	18.30
15	QPSK	36	20	16.60	16.68	16.68	18.30
15	QPSK	36	39	16.59	16.61	16.64	18.30
15	QPSK	75	0	16.76	16.75	16.60	18.30
15	16QAM	1	0	16.80	16.66	16.72	18.30
15	16QAM	1	37	16.62	16.73	16.65	18.30
15	16QAM	1	74	16.66	16.63	16.70	18.30
15	16QAM	36	0	16.72	16.71	16.63	18.30
15	16QAM	36	20	16.72	16.61	16.66	18.30
15	16QAM	36	39	16.70	16.78	16.72	18.30
15	16QAM	75	0	16.75	16.70	16.64	18.30
15	64QAM	1	0	16.63	16.77	16.64	18.30
15	64QAM	1	37	16.66	16.69	16.72	18.30



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15	64QAM	1	74	16.72	16.70	16.72	18.30
15	64QAM	36	0	16.66	16.74	16.75	18.30
15	64QAM	36	20	16.65	16.68	16.60	18.30
15	64QAM	36	39	16.77	16.72	16.74	18.30
15	64QAM	75	0	16.71	16.73	16.58	18.30
15	256QAM	1	0	16.71	16.66	16.70	18.30
15	256QAM	1	37	16.72	16.76	16.68	18.30
15	256QAM	1	74	16.69	16.67	16.79	18.30
15	256QAM	36	0	16.71	16.69	16.75	18.30
15	256QAM	36	20	16.74	16.65	16.67	18.30
15	256QAM	36	39	16.76	16.75	16.67	18.30
15	256QAM	75	0	16.67	16.71	16.67	18.30
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	16.67	16.79	16.69	18.30
10	QPSK	1	25	16.71	16.79	16.76	18.30
10	QPSK	1	49	16.75	16.70	16.68	18.30
10	QPSK	25	0	16.78	16.75	16.65	18.30
10	QPSK	25	12	16.70	16.75	16.71	18.30
10	QPSK	25	25	16.66	16.64	16.60	18.30
10	QPSK	50	0	16.81	16.75	16.65	18.30
10	16QAM	1	0	16.70	16.65	16.77	18.30
10	16QAM	1	25	16.66	16.65	16.66	18.30
10	16QAM	1	49	16.72	16.66	16.69	18.30
10	16QAM	25	0	16.72	16.68	16.62	18.30
10	16QAM	25	12	16.69	16.66	16.62	18.30
10	16QAM	25	25	16.63	16.72	16.65	18.30
10	16QAM	50	0	16.63	16.72	16.63	18.30
10	64QAM	1	0	16.72	16.73	16.58	18.30
10	64QAM	1	25	16.64	16.76	16.61	18.30
10	64QAM	1	49	16.72	16.70	16.66	18.30
10	64QAM	25	0	16.71	16.71	16.70	18.30
10	64QAM	25	12	16.74	16.67	16.62	18.30
10	64QAM	25	25	16.75	16.65	16.61	18.30
10	64QAM	50	0	16.70	16.63	16.60	18.30
10	256QAM	1	0	16.77	16.72	16.68	18.30
10	256QAM	1	25	16.72	16.79	16.72	18.30
10	256QAM	1	49	16.74	16.75	16.73	18.30
10	256QAM	25	0	16.74	16.79	16.68	18.30
10	256QAM	25	12	16.65	16.68	16.78	18.30
10	256QAM	25	25	16.66	16.64	16.65	18.30
10	256QAM	50	0	16.71	16.68	16.62	18.30
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	16.69	16.71	16.81	18.30
5	QPSK	1	12	16.77	16.76	16.68	18.30
5	QPSK	1	24	16.76	16.77	16.71	18.30
5	QPSK	12	0	16.71	16.79	16.73	18.30
5	QPSK	12	7	16.65	16.67	16.67	18.30
5	QPSK	12	13	16.62	16.68	16.60	18.30
5	QPSK	25	0	16.81	16.76	16.65	18.30
5	16QAM	1	0	16.73	16.75	16.78	18.30
5	16QAM	1	12	16.66	16.69	16.65	18.30
5	16QAM	1	24	16.67	16.60	16.75	18.30
5	16QAM	12	0	16.67	16.66	16.69	18.30
5	16QAM	12	7	16.59	16.62	16.60	18.30
5	16QAM	12	13	16.70	16.69	16.65	18.30
5	16QAM	25	0	16.75	16.71	16.65	18.30
5	64QAM	1	0	16.65	16.74	16.63	18.30
5	64QAM	1	12	16.64	16.75	16.62	18.30
5	64QAM	1	24	16.69	16.67	16.67	18.30
5	64QAM	12	0	16.78	16.74	16.72	18.30
5	64QAM	12	7	16.74	16.67	16.62	18.30
5	64QAM	12	13	16.69	16.66	16.74	18.30
5	64QAM	25	0	16.78	16.74	16.70	18.30
5	256QAM	1	0	16.76	16.65	16.79	18.30
5	256QAM	1	12	16.69	16.77	16.72	18.30
5	256QAM	1	24	16.71	16.78	16.74	18.30
5	256QAM	12	0	16.78	16.72	16.67	18.30
5	256QAM	12	7	16.75	16.72	16.79	18.30
5	256QAM	12	13	16.77	16.72	16.67	18.30
5	256QAM	25	0	16.66	16.70	16.71	18.30

**【LTE Band 7_Ant 1_ECI 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	22.18	22.29	22.26	24.00
20	QPSK	1	49	22.02	22.22	22.05	24.00
20	QPSK	1	99	22.00	22.15	22.02	24.00
20	QPSK	50	0	21.01	21.23	21.10	23.00
20	QPSK	50	24	21.03	21.22	21.08	23.00
20	QPSK	50	50	21.05	21.19	21.10	23.00
20	QPSK	100	0	21.01	21.22	21.17	23.00
20	16QAM	1	0	21.26	21.46	21.42	23.00
20	16QAM	1	49	21.20	21.42	21.35	23.00
20	16QAM	1	99	21.25	21.48	21.31	23.00
20	16QAM	50	0	20.01	20.22	20.15	22.00
20	16QAM	50	24	20.06	20.21	20.07	22.00
20	16QAM	50	50	20.00	20.16	20.02	22.00
20	16QAM	100	0	20.10	20.21	20.15	22.00
20	64QAM	1	0	20.20	20.34	20.20	22.00
20	64QAM	1	49	20.27	20.43	20.26	22.00
20	64QAM	1	99	20.18	20.36	20.31	22.00
20	64QAM	50	0	19.11	19.23	19.15	21.00
20	64QAM	50	24	19.03	19.21	19.04	21.00
20	64QAM	50	50	19.01	19.13	19.00	21.00
20	64QAM	100	0	19.00	19.17	19.06	21.00
20	256QAM	1	0	17.15	17.26	17.09	19.00
20	256QAM	1	49	17.12	17.34	17.20	19.00
20	256QAM	1	99	17.13	17.23	17.17	19.00
20	256QAM	50	0	17.04	17.22	17.15	19.00
20	256QAM	50	24	17.01	17.18	17.05	19.00
20	256QAM	50	50	17.01	17.14	17.05	19.00
20	256QAM	100	0	17.05	17.19	17.05	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.10	22.21	22.15	24.00
15	QPSK	1	37	22.00	22.08	22.00	24.00
15	QPSK	1	74	22.00	22.02	22.02	24.00
15	QPSK	36	0	21.01	21.19	21.02	23.00
15	QPSK	36	20	21.01	21.16	21.00	23.00
15	QPSK	36	39	21.02	21.15	21.00	23.00
15	QPSK	75	0	21.00	21.13	21.09	23.00
15	16QAM	1	0	21.19	21.40	21.37	23.00
15	16QAM	1	37	21.13	21.34	21.31	23.00
15	16QAM	1	74	21.22	21.43	21.20	23.00
15	16QAM	36	0	20.00	20.18	20.06	22.00
15	16QAM	36	20	20.04	20.10	20.04	22.00
15	16QAM	36	39	20.00	20.01	20.00	22.00
15	16QAM	75	0	20.01	20.15	20.09	22.00
15	64QAM	1	0	20.17	20.32	20.11	22.00
15	64QAM	1	37	20.21	20.41	20.24	22.00
15	64QAM	1	74	20.14	20.22	20.17	22.00
15	64QAM	36	0	19.02	19.18	19.03	21.00
15	64QAM	36	20	19.00	19.09	19.02	21.00
15	64QAM	36	39	19.02	19.02	19.01	21.00
15	64QAM	75	0	19.01	19.07	19.00	21.00
15	256QAM	1	0	17.14	17.23	17.05	19.00
15	256QAM	1	37	17.10	17.23	17.19	19.00
15	256QAM	1	74	17.00	17.16	17.09	19.00
15	256QAM	36	0	17.00	17.13	17.02	19.00
15	256QAM	36	20	17.00	17.13	17.00	19.00
15	256QAM	36	39	17.00	17.03	17.00	19.00
15	256QAM	75	0	17.00	17.09	17.01	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.13	22.21	22.13	24.00
10	QPSK	1	25	22.01	22.16	22.00	24.00
10	QPSK	1	49	22.00	22.12	22.02	24.00
10	QPSK	25	0	21.01	21.09	21.06	23.00
10	QPSK	25	12	21.00	21.20	21.00	23.00
10	QPSK	25	25	21.01	21.07	21.00	23.00
10	QPSK	50	0	21.01	21.17	21.02	23.00
10	16QAM	1	0	21.13	21.34	21.33	23.00
10	16QAM	1	25	21.08	21.31	21.29	23.00
10	16QAM	1	49	21.15	21.36	21.27	23.00
10	16QAM	25	0	20.00	20.17	20.12	22.00
10	16QAM	25	12	20.05	20.13	20.04	22.00



10	16QAM	25	25	20.02	20.05	20.01	22.00
10	16QAM	50	0	20.01	20.08	20.11	22.00
10	64QAM	1	0	20.08	20.30	20.08	22.00
10	64QAM	1	25	20.16	20.33	20.16	22.00
10	64QAM	1	49	20.06	20.22	20.23	22.00
10	64QAM	25	0	19.01	19.10	19.05	21.00
10	64QAM	25	12	19.00	19.15	19.00	21.00
10	64QAM	25	25	19.00	19.00	19.01	21.00
10	64QAM	50	0	19.00	19.03	19.01	21.00
10	256QAM	1	0	17.07	17.18	17.06	19.00
10	256QAM	1	25	17.01	17.28	17.05	19.00
10	256QAM	1	49	17.00	17.16	17.13	19.00
10	256QAM	25	0	17.00	17.18	17.07	19.00
10	256QAM	25	12	17.01	17.13	17.02	19.00
10	256QAM	25	25	17.02	17.11	17.00	19.00
10	256QAM	50	0	17.00	17.12	17.01	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.04	22.14	22.18	24.00
5	QPSK	1	12	22.00	22.18	22.00	24.00
5	QPSK	1	24	22.00	22.01	22.00	24.00
5	QPSK	12	0	21.00	21.18	21.06	23.00
5	QPSK	12	7	21.00	21.21	21.02	23.00
5	QPSK	12	13	21.02	21.04	21.02	23.00
5	QPSK	25	0	21.00	21.18	21.09	23.00
5	16QAM	1	0	21.14	21.40	21.31	23.00
5	16QAM	1	12	21.10	21.31	21.31	23.00
5	16QAM	1	24	21.22	21.44	21.25	23.00
5	16QAM	12	0	20.01	20.11	20.12	22.00
5	16QAM	12	7	20.01	20.20	20.05	22.00
5	16QAM	12	13	20.00	20.07	20.00	22.00
5	16QAM	25	0	20.04	20.09	20.04	22.00
5	64QAM	1	0	20.06	20.27	20.14	22.00
5	64QAM	1	12	20.20	20.39	20.11	22.00
5	64QAM	1	24	20.08	20.23	20.24	22.00
5	64QAM	12	0	19.05	19.17	19.08	21.00
5	64QAM	12	7	19.01	19.08	19.00	21.00
5	64QAM	12	13	19.01	19.10	19.02	21.00
5	64QAM	25	0	19.01	19.13	19.01	21.00
5	256QAM	1	0	17.10	17.19	17.06	19.00
5	256QAM	1	12	17.05	17.28	17.09	19.00
5	256QAM	1	24	17.10	17.09	17.10	19.00
5	256QAM	12	0	17.00	17.10	17.10	19.00
5	256QAM	12	7	17.01	17.06	17.00	19.00
5	256QAM	12	13	17.00	17.09	17.00	19.00
5	256QAM	25	0	17.00	17.07	17.01	19.00

【LTE Band 7_Ant 1_ECI 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	20.29	20.37	20.35	21.20
20	QPSK	1	49	20.26	20.21	20.26	21.20
20	QPSK	1	99	20.21	20.23	20.23	21.20
20	QPSK	50	0	20.24	20.28	20.26	21.20
20	QPSK	50	24	20.21	20.26	20.22	21.20
20	QPSK	50	50	20.21	20.22	20.25	21.20
20	QPSK	100	0	20.20	20.27	20.23	21.20
20	16QAM	1	0	20.26	20.18	20.24	21.20
20	16QAM	1	49	20.23	20.18	20.23	21.20
20	16QAM	1	99	20.18	20.26	20.26	21.20
20	16QAM	50	0	20.20	20.26	20.19	21.20
20	16QAM	50	24	20.25	20.27	20.20	21.20
20	16QAM	50	50	20.28	20.18	20.27	21.20
20	16QAM	100	0	20.17	20.24	20.26	21.20
20	64QAM	1	0	20.29	20.28	20.18	21.20
20	64QAM	1	49	20.21	20.28	20.28	21.20
20	64QAM	1	99	20.23	20.23	20.23	21.20
20	64QAM	50	0	19.11	19.23	19.15	20.20
20	64QAM	50	24	19.03	19.21	19.04	20.20
20	64QAM	50	50	19.01	19.13	19.00	20.20



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20	64QAM	100	0	19.00	19.17	19.06	20.20
20	256QAM	1	0	17.15	17.26	17.09	18.20
20	256QAM	1	49	17.12	17.34	17.20	18.20
20	256QAM	1	99	17.13	17.23	17.17	18.20
20	256QAM	50	0	17.04	17.22	17.15	18.20
20	256QAM	50	24	17.01	17.18	17.05	18.20
20	256QAM	50	50	17.01	17.14	17.05	18.20
20	256QAM	100	0	17.05	17.19	17.05	18.20
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	20.26	20.28	20.24	21.20
15	QPSK	1	37	20.12	20.18	20.24	21.20
15	QPSK	1	74	20.18	20.08	20.12	21.20
15	QPSK	36	0	20.22	20.16	20.21	21.20
15	QPSK	36	20	20.20	20.23	20.21	21.20
15	QPSK	36	39	20.18	20.10	20.16	21.20
15	QPSK	75	0	20.09	20.13	20.10	21.20
15	16QAM	1	0	20.20	20.15	20.14	21.20
15	16QAM	1	37	20.16	20.13	20.21	21.20
15	16QAM	1	74	20.13	20.14	20.12	21.20
15	16QAM	36	0	20.05	20.18	20.17	21.20
15	16QAM	36	20	20.22	20.18	20.18	21.20
15	16QAM	36	39	20.15	20.06	20.17	21.20
15	16QAM	75	0	20.05	20.20	20.21	21.20
15	64QAM	1	0	20.18	20.21	20.04	21.20
15	64QAM	1	37	20.13	20.16	20.16	21.20
15	64QAM	1	74	20.18	20.13	20.22	21.20
15	64QAM	36	0	19.06	19.20	19.04	20.20
15	64QAM	36	20	19.01	19.15	18.92	20.20
15	64QAM	36	39	18.86	18.99	18.98	20.20
15	64QAM	75	0	18.87	19.08	19.02	20.20
15	256QAM	1	0	17.10	17.20	17.01	18.20
15	256QAM	1	37	17.03	17.22	17.06	18.20
15	256QAM	1	74	17.06	17.11	17.13	18.20
15	256QAM	36	0	17.02	17.17	17.01	18.20
15	256QAM	36	20	16.86	17.13	17.01	18.20
15	256QAM	36	39	16.98	17.03	16.91	18.20
15	256QAM	75	0	16.99	17.16	16.95	18.20
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	20.24	20.28	20.30	21.20
10	QPSK	1	25	20.19	20.17	20.17	21.20
10	QPSK	1	49	20.15	20.16	20.08	21.20
10	QPSK	25	0	20.12	20.19	20.19	21.20
10	QPSK	25	12	20.19	20.20	20.21	21.20
10	QPSK	25	25	20.17	20.17	20.13	21.20
10	QPSK	50	0	20.17	20.22	20.09	21.20
10	16QAM	1	0	20.14	20.17	20.18	21.20
10	16QAM	1	25	20.19	20.13	20.16	21.20
10	16QAM	1	49	20.07	20.22	20.22	21.20
10	16QAM	25	0	20.08	20.12	20.09	21.20
10	16QAM	25	12	20.16	20.21	20.06	21.20
10	16QAM	25	25	20.17	20.05	20.14	21.20
10	16QAM	50	0	20.08	20.18	20.22	21.20
10	64QAM	1	0	20.25	20.22	20.17	21.20
10	64QAM	1	25	20.17	20.16	20.14	21.20
10	64QAM	1	49	20.15	20.11	20.09	21.20
10	64QAM	25	0	19.08	19.14	19.12	20.20
10	64QAM	25	12	18.98	19.07	18.98	20.20
10	64QAM	25	25	18.98	19.00	18.88	20.20
10	64QAM	50	0	18.93	19.05	18.96	20.20
10	256QAM	1	0	17.10	17.25	17.03	18.20
10	256QAM	1	25	16.98	17.30	17.15	18.20
10	256QAM	1	49	17.00	17.22	17.04	18.20
10	256QAM	25	0	16.94	17.17	17.08	18.20
10	256QAM	25	12	16.91	17.13	16.91	18.20
10	256QAM	25	25	16.89	17.00	16.91	18.20
10	256QAM	50	0	17.02	17.07	17.01	18.20
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	20.16	20.26	20.32	21.20
5	QPSK	1	12	20.21	20.07	20.17	21.20
5	QPSK	1	24	20.17	20.11	20.09	21.20
5	QPSK	12	0	20.17	20.13	20.13	21.20
5	QPSK	12	7	20.20	20.25	20.11	21.20
5	QPSK	12	13	20.14	20.14	20.11	21.20
5	QPSK	25	0	20.08	20.18	20.10	21.20
5	16QAM	1	0	20.18	20.09	20.20	21.20



5	16QAM	1	12	20.18	20.04	20.15	21.20
5	16QAM	1	24	20.14	20.17	20.24	21.20
5	16QAM	12	0	20.14	20.25	20.06	21.20
5	16QAM	12	7	20.21	20.23	20.12	21.20
5	16QAM	12	13	20.23	20.09	20.19	21.20
5	16QAM	25	0	20.05	20.14	20.13	21.20
5	64QAM	1	0	20.20	20.23	20.17	21.20
5	64QAM	1	12	20.09	20.16	20.17	21.20
5	64QAM	1	24	20.21	20.08	20.09	21.20
5	64QAM	12	0	18.96	19.10	19.03	20.20
5	64QAM	12	7	18.97	19.12	19.01	20.20
5	64QAM	12	13	18.97	19.10	18.94	20.20
5	64QAM	25	0	18.87	19.15	19.03	20.20
5	256QAM	1	0	17.13	17.16	17.03	18.20
5	256QAM	1	12	17.05	17.31	17.13	18.20
5	256QAM	1	24	17.06	17.19	17.09	18.20
5	256QAM	12	0	16.91	17.09	17.13	18.20
5	256QAM	12	7	16.89	17.11	17.03	18.20
5	256QAM	12	13	16.93	17.07	16.92	18.20
5	256QAM	25	0	16.90	17.04	16.97	18.20

【LTE Band 7_Ant 1_ECI 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	16.80	16.86	16.81	18.30
20	QPSK	1	49	16.79	16.71	16.71	18.30
20	QPSK	1	99	16.74	16.71	16.76	18.30
20	QPSK	50	0	16.78	16.82	16.77	18.30
20	QPSK	50	24	16.77	16.80	16.73	18.30
20	QPSK	50	50	16.74	16.76	16.75	18.30
20	QPSK	100	0	16.76	16.82	16.71	18.30
20	16QAM	1	0	16.79	16.79	16.71	18.30
20	16QAM	1	49	16.82	16.77	16.75	18.30
20	16QAM	1	99	16.73	16.72	16.74	18.30
20	16QAM	50	0	16.82	16.82	16.78	18.30
20	16QAM	50	24	16.74	16.75	16.76	18.30
20	16QAM	50	50	16.72	16.80	16.82	18.30
20	16QAM	100	0	16.79	16.78	16.79	18.30
20	64QAM	1	0	16.78	16.72	16.78	18.30
20	64QAM	1	49	16.74	16.72	16.75	18.30
20	64QAM	1	99	16.73	16.76	16.71	18.30
20	64QAM	50	0	16.72	16.71	16.70	18.30
20	64QAM	50	24	16.72	16.76	16.78	18.30
20	64QAM	50	50	16.77	16.73	16.77	18.30
20	64QAM	100	0	16.76	16.70	16.78	18.30
20	256QAM	1	0	16.73	16.78	16.76	18.30
20	256QAM	1	49	16.77	16.70	16.80	18.30
20	256QAM	1	99	16.80	16.71	16.77	18.30
20	256QAM	50	0	16.73	16.73	16.77	18.30
20	256QAM	50	24	16.72	16.79	16.78	18.30
20	256QAM	50	50	16.75	16.76	16.75	18.30
20	256QAM	100	0	16.79	16.81	16.74	18.30
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.75	16.80	16.78	18.30
15	QPSK	1	37	16.68	16.57	16.56	18.30
15	QPSK	1	74	16.66	16.65	16.67	18.30
15	QPSK	36	0	16.69	16.78	16.74	18.30
15	QPSK	36	20	16.63	16.78	16.63	18.30
15	QPSK	36	39	16.67	16.68	16.68	18.30
15	QPSK	75	0	16.67	16.72	16.63	18.30
15	16QAM	1	0	16.72	16.72	16.63	18.30
15	16QAM	1	37	16.76	16.74	16.64	18.30
15	16QAM	1	74	16.68	16.63	16.69	18.30
15	16QAM	36	0	16.79	16.70	16.66	18.30
15	16QAM	36	20	16.71	16.66	16.65	18.30
15	16QAM	36	39	16.60	16.77	16.69	18.30
15	16QAM	75	0	16.68	16.75	16.74	18.30
15	64QAM	1	0	16.68	16.65	16.77	18.30
15	64QAM	1	37	16.68	16.58	16.69	18.30



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15	64QAM	1	74	16.68	16.67	16.63	18.30
15	64QAM	36	0	16.59	16.67	16.62	18.30
15	64QAM	36	20	16.58	16.71	16.76	18.30
15	64QAM	36	39	16.71	16.64	16.64	18.30
15	64QAM	75	0	16.66	16.62	16.75	18.30
15	256QAM	1	0	16.70	16.67	16.62	18.30
15	256QAM	1	37	16.67	16.64	16.77	18.30
15	256QAM	1	74	16.71	16.61	16.65	18.30
15	256QAM	36	0	16.64	16.68	16.74	18.30
15	256QAM	36	20	16.64	16.65	16.67	18.30
15	256QAM	36	39	16.63	16.70	16.62	18.30
15	256QAM	75	0	16.68	16.77	16.68	18.30
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	16.65	16.78	16.68	18.30
10	QPSK	1	25	16.72	16.59	16.68	18.30
10	QPSK	1	49	16.61	16.57	16.69	18.30
10	QPSK	25	0	16.70	16.78	16.73	18.30
10	QPSK	25	12	16.65	16.73	16.63	18.30
10	QPSK	25	25	16.70	16.74	16.72	18.30
10	QPSK	50	0	16.69	16.74	16.57	18.30
10	16QAM	1	0	16.71	16.72	16.67	18.30
10	16QAM	1	25	16.79	16.66	16.65	18.30
10	16QAM	1	49	16.62	16.61	16.64	18.30
10	16QAM	25	0	16.69	16.77	16.77	18.30
10	16QAM	25	12	16.63	16.65	16.72	18.30
10	16QAM	25	25	16.71	16.78	16.70	18.30
10	16QAM	50	0	16.76	16.66	16.67	18.30
10	64QAM	1	0	16.77	16.58	16.65	18.30
10	64QAM	1	25	16.68	16.59	16.67	18.30
10	64QAM	1	49	16.61	16.64	16.61	18.30
10	64QAM	25	0	16.65	16.61	16.57	18.30
10	64QAM	25	12	16.64	16.68	16.64	18.30
10	64QAM	25	25	16.62	16.72	16.63	18.30
10	64QAM	50	0	16.64	16.63	16.68	18.30
10	256QAM	1	0	16.69	16.76	16.72	18.30
10	256QAM	1	25	16.71	16.56	16.76	18.30
10	256QAM	1	49	16.73	16.63	16.74	18.30
10	256QAM	25	0	16.65	16.67	16.64	18.30
10	256QAM	25	12	16.62	16.76	16.75	18.30
10	256QAM	25	25	16.74	16.71	16.65	18.30
10	256QAM	50	0	16.77	16.70	16.71	18.30
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	16.72	16.80	16.70	18.30
5	QPSK	1	12	16.65	16.59	16.63	18.30
5	QPSK	1	24	16.60	16.66	16.71	18.30
5	QPSK	12	0	16.71	16.77	16.75	18.30
5	QPSK	12	7	16.63	16.72	16.61	18.30
5	QPSK	12	13	16.63	16.69	16.72	18.30
5	QPSK	25	0	16.63	16.69	16.65	18.30
5	16QAM	1	0	16.70	16.76	16.63	18.30
5	16QAM	1	12	16.70	16.67	16.72	18.30
5	16QAM	1	24	16.66	16.59	16.72	18.30
5	16QAM	12	0	16.73	16.71	16.69	18.30
5	16QAM	12	7	16.64	16.63	16.73	18.30
5	16QAM	12	13	16.64	16.65	16.71	18.30
5	16QAM	25	0	16.68	16.70	16.64	18.30
5	64QAM	1	0	16.66	16.61	16.75	18.30
5	64QAM	1	12	16.59	16.68	16.61	18.30
5	64QAM	1	24	16.68	16.64	16.57	18.30
5	64QAM	12	0	16.61	16.66	16.68	18.30
5	64QAM	12	7	16.58	16.64	16.74	18.30
5	64QAM	12	13	16.75	16.69	16.63	18.30
5	64QAM	25	0	16.65	16.69	16.72	18.30
5	256QAM	1	0	16.60	16.64	16.65	18.30
5	256QAM	1	12	16.69	16.68	16.77	18.30
5	256QAM	1	24	16.72	16.68	16.68	18.30
5	256QAM	12	0	16.63	16.63	16.70	18.30
5	256QAM	12	7	16.70	16.76	16.72	18.30
5	256QAM	12	13	16.71	16.68	16.62	18.30
5	256QAM	25	0	16.71	16.66	16.62	18.30

**【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	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.50	22.79	22.64	24.00
20	QPSK	1	49	22.40	22.78	22.60	24.00
20	QPSK	1	99	22.26	22.69	22.47	24.00
20	QPSK	50	0	21.28	21.81	21.42	23.00
20	QPSK	50	24	21.29	21.72	21.44	23.00
20	QPSK	50	50	21.48	21.77	21.54	23.00
20	QPSK	100	0	21.38	21.72	21.51	23.00
20	16QAM	1	0	21.34	21.72	21.47	23.00
20	16QAM	1	49	21.53	21.85	21.64	23.00
20	16QAM	1	99	21.45	21.74	21.45	23.00
20	16QAM	50	0	20.36	20.69	20.45	22.00
20	16QAM	50	24	20.42	20.73	20.46	22.00
20	16QAM	50	50	20.41	20.76	20.57	22.00
20	16QAM	100	0	20.40	20.72	20.55	22.00
20	64QAM	1	0	20.33	20.61	20.43	22.00
20	64QAM	1	49	20.34	20.75	20.55	22.00
20	64QAM	1	99	20.27	20.67	20.51	22.00
20	64QAM	50	0	19.38	19.69	19.51	21.00
20	64QAM	50	24	19.34	19.73	19.52	21.00
20	64QAM	50	50	19.41	19.78	19.58	21.00
20	64QAM	100	0	19.47	19.73	19.57	21.00
20	256QAM	1	0	17.18	17.54	17.41	19.00
20	256QAM	1	49	17.28	17.62	17.37	19.00
20	256QAM	1	99	17.22	17.53	17.39	19.00
20	256QAM	50	0	17.38	17.71	17.52	19.00
20	256QAM	50	24	17.42	17.72	17.54	19.00
20	256QAM	50	50	17.39	17.71	17.51	19.00
20	256QAM	100	0	17.33	17.70	17.49	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.41	22.61	22.59	24.00
15	QPSK	1	37	22.29	22.72	22.45	24.00
15	QPSK	1	74	22.23	22.62	22.34	24.00
15	QPSK	36	0	21.18	21.54	21.36	23.00
15	QPSK	36	20	21.28	21.69	21.37	23.00
15	QPSK	36	39	21.33	21.69	21.51	23.00
15	QPSK	75	0	21.28	21.59	21.39	23.00
15	16QAM	1	0	21.27	21.68	21.35	23.00
15	16QAM	1	37	21.52	21.74	21.51	23.00
15	16QAM	1	74	21.40	21.65	21.39	23.00
15	16QAM	36	0	20.28	20.64	20.43	22.00
15	16QAM	36	20	20.29	20.71	20.42	22.00
15	16QAM	36	39	20.39	20.71	20.48	22.00
15	16QAM	75	0	20.37	20.68	20.46	22.00
15	64QAM	1	0	20.31	20.47	20.41	22.00
15	64QAM	1	37	20.27	20.74	20.44	22.00
15	64QAM	1	74	20.16	20.64	20.39	22.00
15	64QAM	36	0	19.31	19.56	19.43	21.00
15	64QAM	36	20	19.24	19.63	19.42	21.00
15	64QAM	36	39	19.37	19.65	19.46	21.00
15	64QAM	75	0	19.43	19.70	19.50	21.00
15	256QAM	1	0	17.11	17.44	17.30	19.00
15	256QAM	1	37	17.15	17.56	17.35	19.00
15	256QAM	1	74	17.12	17.47	17.34	19.00
15	256QAM	36	0	17.34	17.62	17.39	19.00
15	256QAM	36	20	17.30	17.65	17.44	19.00
15	256QAM	36	39	17.28	17.68	17.37	19.00
15	256QAM	75	0	17.31	17.62	17.47	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.43	22.71	22.54	24.00
10	QPSK	1	25	22.39	22.65	22.55	24.00
10	QPSK	1	49	22.15	22.58	22.39	24.00
10	QPSK	25	0	21.23	21.64	21.35	23.00
10	QPSK	25	12	21.14	21.69	21.32	23.00
10	QPSK	25	25	21.41	21.72	21.43	23.00
10	QPSK	50	0	21.26	21.62	21.47	23.00
10	16QAM	1	0	21.25	21.63	21.41	23.00
10	16QAM	1	25	21.38	21.79	21.57	23.00
10	16QAM	1	49	21.41	21.68	21.34	23.00
10	16QAM	25	0	20.31	20.57	20.36	22.00
10	16QAM	25	12	20.39	20.66	20.42	22.00



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10	16QAM	25	25	20.33	20.64	20.53	22.00
10	16QAM	50	0	20.25	20.67	20.41	22.00
10	64QAM	1	0	20.29	20.51	20.30	22.00
10	64QAM	1	25	20.30	20.67	20.46	22.00
10	64QAM	1	49	20.13	20.60	20.46	22.00
10	64QAM	25	0	19.29	19.57	19.38	21.00
10	64QAM	25	12	19.25	19.59	19.43	21.00
10	64QAM	25	25	19.27	19.70	19.50	21.00
10	64QAM	50	0	19.42	19.61	19.48	21.00
10	256QAM	1	0	17.09	17.47	17.33	19.00
10	256QAM	1	25	17.27	17.51	17.22	19.00
10	256QAM	1	49	17.14	17.48	17.36	19.00
10	256QAM	25	0	17.33	17.66	17.50	19.00
10	256QAM	25	12	17.34	17.67	17.46	19.00
10	256QAM	25	25	17.26	17.67	17.47	19.00
10	256QAM	50	0	17.31	17.55	17.35	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.37	22.68	22.63	24.00
5	QPSK	1	12	22.31	22.69	22.46	24.00
5	QPSK	1	24	22.19	22.56	22.36	24.00
5	QPSK	12	0	21.16	21.61	21.36	23.00
5	QPSK	12	7	21.25	21.62	21.39	23.00
5	QPSK	12	13	21.45	21.65	21.41	23.00
5	QPSK	25	0	21.25	21.63	21.39	23.00
5	16QAM	1	0	21.29	21.60	21.35	23.00
5	16QAM	1	12	21.46	21.79	21.55	23.00
5	16QAM	1	24	21.33	21.72	21.35	23.00
5	16QAM	12	0	20.33	20.62	20.43	22.00
5	16QAM	12	7	20.37	20.59	20.44	22.00
5	16QAM	12	13	20.27	20.73	20.54	22.00
5	16QAM	25	0	20.29	20.64	20.43	22.00
5	64QAM	1	0	20.31	20.48	20.33	22.00
5	64QAM	1	12	20.30	20.68	20.50	22.00
5	64QAM	1	24	20.20	20.58	20.37	22.00
5	64QAM	12	0	19.30	19.59	19.38	21.00
5	64QAM	12	7	19.32	19.62	19.41	21.00
5	64QAM	12	13	19.33	19.65	19.56	21.00
5	64QAM	25	0	19.34	19.62	19.53	21.00
5	256QAM	1	0	17.09	17.48	17.31	19.00
5	256QAM	1	12	17.24	17.50	17.29	19.00
5	256QAM	1	24	17.14	17.45	17.37	19.00
5	256QAM	12	0	17.36	17.67	17.43	19.00
5	256QAM	12	7	17.39	17.58	17.51	19.00
5	256QAM	12	13	17.30	17.69	17.42	19.00
5	256QAM	25	0	17.28	17.66	17.47	19.00

【LTE Band 7_Ant 4_ECI 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	17.46	17.53	17.48	18.50
20	QPSK	1	49	17.40	17.46	17.33	18.50
20	QPSK	1	99	17.40	17.40	17.46	18.50
20	QPSK	50	0	17.48	17.51	17.50	18.50
20	QPSK	50	24	17.38	17.40	17.35	18.50
20	QPSK	50	50	17.46	17.45	17.40	18.50
20	QPSK	100	0	17.40	17.43	17.41	18.50
20	16QAM	1	0	17.49	17.36	17.47	18.50
20	16QAM	1	49	17.42	17.43	17.39	18.50
20	16QAM	1	99	17.43	17.40	17.37	18.50
20	16QAM	50	0	17.38	17.32	17.33	18.50
20	16QAM	50	24	17.35	17.46	17.47	18.50
20	16QAM	50	50	17.45	17.43	17.41	18.50
20	16QAM	100	0	17.32	17.36	17.31	18.50
20	64QAM	1	0	17.47	17.36	17.39	18.50
20	64QAM	1	49	17.38	17.38	17.49	18.50
20	64QAM	1	99	17.48	17.41	17.41	18.50
20	64QAM	50	0	17.32	17.34	17.34	18.50
20	64QAM	50	24	17.31	17.48	17.45	18.50
20	64QAM	50	50	17.32	17.36	17.41	18.50



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20	64QAM	100	0	17.34	17.36	17.47	18.50
20	256QAM	1	0	17.33	17.40	17.35	18.50
20	256QAM	1	49	17.42	17.42	17.38	18.50
20	256QAM	1	99	17.39	17.42	17.40	18.50
20	256QAM	50	0	17.45	17.42	17.40	18.50
20	256QAM	50	24	17.41	17.39	17.44	18.50
20	256QAM	50	50	17.43	17.42	17.36	18.50
20	256QAM	100	0	17.33	17.29	17.37	18.50
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	17.42	17.45	17.45	18.50
15	QPSK	1	37	17.36	17.37	17.25	18.50
15	QPSK	1	74	17.25	17.33	17.44	18.50
15	QPSK	36	0	17.39	17.44	17.44	18.50
15	QPSK	36	20	17.24	17.32	17.27	18.50
15	QPSK	36	39	17.35	17.41	17.37	18.50
15	QPSK	75	0	17.33	17.29	17.35	18.50
15	16QAM	1	0	17.40	17.34	17.35	18.50
15	16QAM	1	37	17.39	17.28	17.32	18.50
15	16QAM	1	74	17.30	17.31	17.32	18.50
15	16QAM	36	0	17.28	17.21	17.20	18.50
15	16QAM	36	20	17.32	17.44	17.34	18.50
15	16QAM	36	39	17.31	17.38	17.30	18.50
15	16QAM	75	0	17.27	17.28	17.30	18.50
15	64QAM	1	0	17.41	17.25	17.32	18.50
15	64QAM	1	37	17.24	17.31	17.42	18.50
15	64QAM	1	74	17.41	17.29	17.34	18.50
15	64QAM	36	0	17.31	17.20	17.19	18.50
15	64QAM	36	20	17.27	17.35	17.42	18.50
15	64QAM	36	39	17.25	17.32	17.27	18.50
15	64QAM	75	0	17.26	17.31	17.37	18.50
15	256QAM	1	0	17.20	17.33	17.32	18.50
15	256QAM	1	37	17.40	17.32	17.25	18.50
15	256QAM	1	74	17.29	17.34	17.36	18.50
15	256QAM	36	0	17.33	17.33	17.33	18.50
15	256QAM	36	20	17.36	17.36	17.42	18.50
15	256QAM	36	39	17.41	17.36	17.22	18.50
15	256QAM	75	0	17.30	17.15	17.30	18.50
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	17.37	17.48	17.35	18.50
10	QPSK	1	25	17.31	17.38	17.19	18.50
10	QPSK	1	49	17.31	17.37	17.42	18.50
10	QPSK	25	0	17.45	17.44	17.42	18.50
10	QPSK	25	12	17.33	17.31	17.23	18.50
10	QPSK	25	25	17.37	17.36	17.25	18.50
10	QPSK	50	0	17.36	17.37	17.38	18.50
10	16QAM	1	0	17.40	17.30	17.44	18.50
10	16QAM	1	25	17.39	17.40	17.37	18.50
10	16QAM	1	49	17.33	17.33	17.31	18.50
10	16QAM	25	0	17.36	17.20	17.27	18.50
10	16QAM	25	12	17.30	17.40	17.39	18.50
10	16QAM	25	25	17.38	17.29	17.34	18.50
10	16QAM	50	0	17.26	17.26	17.22	18.50
10	64QAM	1	0	17.42	17.33	17.28	18.50
10	64QAM	1	25	17.33	17.30	17.47	18.50
10	64QAM	1	49	17.37	17.40	17.39	18.50
10	64QAM	25	0	17.25	17.25	17.29	18.50
10	64QAM	25	12	17.27	17.35	17.30	18.50
10	64QAM	25	25	17.29	17.29	17.39	18.50
10	64QAM	50	0	17.23	17.24	17.42	18.50
10	256QAM	1	0	17.26	17.34	17.33	18.50
10	256QAM	1	25	17.34	17.37	17.30	18.50
10	256QAM	1	49	17.33	17.40	17.30	18.50
10	256QAM	25	0	17.32	17.37	17.38	18.50
10	256QAM	25	12	17.37	17.30	17.33	18.50
10	256QAM	25	25	17.39	17.33	17.27	18.50
10	256QAM	50	0	17.25	17.19	17.32	18.50
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	17.41	17.49	17.40	18.50
5	QPSK	1	12	17.27	17.42	17.24	18.50
5	QPSK	1	24	17.26	17.36	17.34	18.50
5	QPSK	12	0	17.34	17.39	17.41	18.50
5	QPSK	12	7	17.33	17.26	17.23	18.50
5	QPSK	12	13	17.36	17.36	17.31	18.50
5	QPSK	25	0	17.28	17.40	17.35	18.50
5	16QAM	1	0	17.40	17.31	17.42	18.50



5	16QAM	1	12	17.34	17.40	17.36	18.50
5	16QAM	1	24	17.41	17.38	17.26	18.50
5	16QAM	12	0	17.36	17.27	17.22	18.50
5	16QAM	12	7	17.31	17.39	17.38	18.50
5	16QAM	12	13	17.34	17.32	17.36	18.50
5	16QAM	25	0	17.30	17.34	17.30	18.50
5	64QAM	1	0	17.38	17.33	17.34	18.50
5	64QAM	1	12	17.26	17.28	17.39	18.50
5	64QAM	1	24	17.40	17.27	17.35	18.50
5	64QAM	12	0	17.30	17.19	17.29	18.50
5	64QAM	12	7	17.20	17.40	17.33	18.50
5	64QAM	12	13	17.19	17.22	17.31	18.50
5	64QAM	25	0	17.25	17.35	17.37	18.50
5	256QAM	1	0	17.29	17.31	17.24	18.50
5	256QAM	1	12	17.30	17.28	17.36	18.50
5	256QAM	1	24	17.34	17.29	17.37	18.50
5	256QAM	12	0	17.43	17.27	17.30	18.50
5	256QAM	12	7	17.29	17.35	17.34	18.50
5	256QAM	12	13	17.30	17.37	17.34	18.50
5	256QAM	25	0	17.23	17.17	17.25	18.50

【LTE Band 7_Ant 4_ECI 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	16.46	16.48	16.42	17.60
20	QPSK	1	49	16.37	16.36	16.41	17.60
20	QPSK	1	99	16.36	16.44	16.41	17.60
20	QPSK	50	0	16.43	16.46	16.42	17.60
20	QPSK	50	24	16.33	16.39	16.31	17.60
20	QPSK	50	50	16.32	16.40	16.36	17.60
20	QPSK	100	0	16.41	16.42	16.34	17.60
20	16QAM	1	0	16.43	16.35	16.39	17.60
20	16QAM	1	49	16.40	16.37	16.40	17.60
20	16QAM	1	99	16.39	16.43	16.39	17.60
20	16QAM	50	0	16.42	16.32	16.39	17.60
20	16QAM	50	24	16.43	16.34	16.46	17.60
20	16QAM	50	50	16.45	16.40	16.45	17.60
20	16QAM	100	0	16.30	16.40	16.38	17.60
20	64QAM	1	0	16.41	16.39	16.43	17.60
20	64QAM	1	49	16.43	16.45	16.34	17.60
20	64QAM	1	99	16.48	16.36	16.46	17.60
20	64QAM	50	0	16.47	16.33	16.50	17.60
20	64QAM	50	24	16.45	16.45	16.33	17.60
20	64QAM	50	50	16.43	16.34	16.33	17.60
20	64QAM	100	0	16.39	16.40	16.38	17.60
20	256QAM	1	0	16.40	16.36	16.35	17.60
20	256QAM	1	49	16.44	16.51	16.47	17.60
20	256QAM	1	99	16.49	16.45	16.39	17.60
20	256QAM	50	0	16.40	16.46	16.39	17.60
20	256QAM	50	24	16.31	16.40	16.35	17.60
20	256QAM	50	50	16.41	16.39	16.29	17.60
20	256QAM	100	0	16.47	16.33	16.39	17.60
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.35	16.34	16.29	17.60
15	QPSK	1	37	16.31	16.27	16.30	17.60
15	QPSK	1	74	16.31	16.42	16.30	17.60
15	QPSK	36	0	16.33	16.43	16.37	17.60
15	QPSK	36	20	16.27	16.32	16.22	17.60
15	QPSK	36	39	16.28	16.25	16.35	17.60
15	QPSK	75	0	16.35	16.32	16.21	17.60
15	16QAM	1	0	16.32	16.28	16.31	17.60
15	16QAM	1	37	16.33	16.25	16.34	17.60
15	16QAM	1	74	16.27	16.37	16.35	17.60
15	16QAM	36	0	16.36	16.25	16.25	17.60
15	16QAM	36	20	16.41	16.33	16.43	17.60
15	16QAM	36	39	16.41	16.28	16.42	17.60
15	16QAM	75	0	16.22	16.28	16.30	17.60
15	64QAM	1	0	16.33	16.26	16.39	17.60
15	64QAM	1	37	16.29	16.31	16.32	17.60



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15	64QAM	1	74	16.37	16.21	16.38	17.60
15	64QAM	36	0	16.42	16.26	16.37	17.60
15	64QAM	36	20	16.39	16.38	16.21	17.60
15	64QAM	36	39	16.33	16.29	16.24	17.60
15	64QAM	75	0	16.34	16.33	16.31	17.60
15	256QAM	1	0	16.29	16.30	16.30	17.60
15	256QAM	1	37	16.35	16.48	16.42	17.60
15	256QAM	1	74	16.36	16.32	16.30	17.60
15	256QAM	36	0	16.32	16.36	16.26	17.60
15	256QAM	36	20	16.23	16.37	16.23	17.60
15	256QAM	36	39	16.36	16.37	16.22	17.60
15	256QAM	75	0	16.40	16.18	16.32	17.60
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.43	16.40	16.29	17.60
10	QPSK	1	25	16.23	16.23	16.26	17.60
10	QPSK	1	49	16.28	16.29	16.34	17.60
10	QPSK	25	0	16.33	16.34	16.34	17.60
10	QPSK	25	12	16.30	16.27	16.19	17.60
10	QPSK	25	25	16.25	16.38	16.34	17.60
10	QPSK	50	0	16.40	16.37	16.23	17.60
10	16QAM	1	0	16.38	16.31	16.27	17.60
10	16QAM	1	25	16.32	16.25	16.25	17.60
10	16QAM	1	49	16.31	16.34	16.26	17.60
10	16QAM	25	0	16.28	16.19	16.33	17.60
10	16QAM	25	12	16.40	16.32	16.33	17.60
10	16QAM	25	25	16.32	16.30	16.35	17.60
10	16QAM	50	0	16.27	16.34	16.26	17.60
10	64QAM	1	0	16.35	16.32	16.40	17.60
10	64QAM	1	25	16.32	16.42	16.32	17.60
10	64QAM	1	49	16.43	16.23	16.31	17.60
10	64QAM	25	0	16.39	16.24	16.42	17.60
10	64QAM	25	12	16.37	16.39	16.19	17.60
10	64QAM	25	25	16.29	16.24	16.23	17.60
10	64QAM	50	0	16.24	16.35	16.28	17.60
10	256QAM	1	0	16.33	16.21	16.31	17.60
10	256QAM	1	25	16.42	16.49	16.46	17.60
10	256QAM	1	49	16.39	16.44	16.31	17.60
10	256QAM	25	0	16.27	16.38	16.35	17.60
10	256QAM	25	12	16.24	16.26	16.27	17.60
10	256QAM	25	25	16.34	16.25	16.16	17.60
10	256QAM	50	0	16.44	16.26	16.38	17.60
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.32	16.47	16.28	17.60
5	QPSK	1	12	16.32	16.22	16.28	17.60
5	QPSK	1	24	16.22	16.33	16.28	17.60
5	QPSK	12	0	16.37	16.37	16.32	17.60
5	QPSK	12	7	16.28	16.36	16.24	17.60
5	QPSK	12	13	16.21	16.25	16.24	17.60
5	QPSK	25	0	16.36	16.27	16.33	17.60
5	16QAM	1	0	16.32	16.23	16.38	17.60
5	16QAM	1	12	16.34	16.25	16.37	17.60
5	16QAM	1	24	16.33	16.38	16.32	17.60
5	16QAM	12	0	16.30	16.27	16.35	17.60
5	16QAM	12	7	16.33	16.19	16.32	17.60
5	16QAM	12	13	16.37	16.39	16.31	17.60
5	16QAM	25	0	16.17	16.34	16.26	17.60
5	64QAM	1	0	16.33	16.38	16.36	17.60
5	64QAM	1	12	16.38	16.43	16.19	17.60
5	64QAM	1	24	16.40	16.30	16.36	17.60
5	64QAM	12	0	16.36	16.24	16.48	17.60
5	64QAM	12	7	16.40	16.34	16.23	17.60
5	64QAM	12	13	16.34	16.29	16.25	17.60
5	64QAM	25	0	16.28	16.26	16.32	17.60
5	256QAM	1	0	16.33	16.33	16.33	17.60
5	256QAM	1	12	16.36	16.39	16.41	17.60
5	256QAM	1	24	16.46	16.35	16.30	17.60
5	256QAM	12	0	16.30	16.37	16.36	17.60
5	256QAM	12	7	16.21	16.26	16.25	17.60
5	256QAM	12	13	16.34	16.34	16.27	17.60
5	256QAM	25	0	16.42	16.20	16.33	17.60



【LTE Band 7_Ant 4_ECI 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	22.50	22.79	22.64	24.00
20	QPSK	1	49	22.40	22.78	22.60	24.00
20	QPSK	1	99	22.26	22.69	22.47	24.00
20	QPSK	50	0	21.28	21.81	21.42	23.00
20	QPSK	50	24	21.29	21.72	21.44	23.00
20	QPSK	50	50	21.48	21.77	21.54	23.00
20	QPSK	100	0	21.38	21.72	21.51	23.00
20	16QAM	1	0	21.34	21.72	21.47	23.00
20	16QAM	1	49	21.53	21.85	21.64	23.00
20	16QAM	1	99	21.45	21.74	21.45	23.00
20	16QAM	50	0	20.36	20.69	20.45	22.00
20	16QAM	50	24	20.42	20.73	20.46	22.00
20	16QAM	50	50	20.41	20.76	20.57	22.00
20	16QAM	100	0	20.40	20.72	20.55	22.00
20	64QAM	1	0	20.33	20.61	20.43	22.00
20	64QAM	1	49	20.34	20.75	20.55	22.00
20	64QAM	1	99	20.27	20.67	20.51	22.00
20	64QAM	50	0	19.38	19.69	19.51	21.00
20	64QAM	50	24	19.34	19.73	19.52	21.00
20	64QAM	50	50	19.41	19.78	19.58	21.00
20	64QAM	100	0	19.47	19.73	19.57	21.00
20	256QAM	1	0	17.18	17.54	17.41	19.00
20	256QAM	1	49	17.28	17.62	17.37	19.00
20	256QAM	1	99	17.22	17.53	17.39	19.00
20	256QAM	50	0	17.38	17.71	17.52	19.00
20	256QAM	50	24	17.42	17.72	17.54	19.00
20	256QAM	50	50	17.39	17.71	17.51	19.00
20	256QAM	100	0	17.33	17.70	17.49	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.41	22.61	22.59	24.00
15	QPSK	1	37	22.29	22.72	22.45	24.00
15	QPSK	1	74	22.23	22.62	22.34	24.00
15	QPSK	36	0	21.18	21.54	21.36	23.00
15	QPSK	36	20	21.28	21.69	21.37	23.00
15	QPSK	36	39	21.33	21.69	21.51	23.00
15	QPSK	75	0	21.28	21.59	21.39	23.00
15	16QAM	1	0	21.27	21.68	21.35	23.00
15	16QAM	1	37	21.52	21.74	21.51	23.00
15	16QAM	1	74	21.40	21.65	21.39	23.00
15	16QAM	36	0	20.28	20.64	20.43	22.00
15	16QAM	36	20	20.29	20.71	20.42	22.00
15	16QAM	36	39	20.39	20.71	20.48	22.00
15	16QAM	75	0	20.37	20.68	20.46	22.00
15	64QAM	1	0	20.31	20.47	20.41	22.00
15	64QAM	1	37	20.27	20.74	20.44	22.00
15	64QAM	1	74	20.16	20.64	20.39	22.00
15	64QAM	36	0	19.31	19.56	19.43	21.00
15	64QAM	36	20	19.24	19.63	19.42	21.00
15	64QAM	36	39	19.37	19.65	19.46	21.00
15	64QAM	75	0	19.43	19.70	19.50	21.00
15	256QAM	1	0	17.11	17.44	17.30	19.00
15	256QAM	1	37	17.15	17.56	17.35	19.00
15	256QAM	1	74	17.12	17.47	17.34	19.00
15	256QAM	36	0	17.34	17.62	17.39	19.00
15	256QAM	36	20	17.30	17.65	17.44	19.00
15	256QAM	36	39	17.28	17.68	17.37	19.00
15	256QAM	75	0	17.31	17.62	17.47	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.43	22.71	22.54	24.00
10	QPSK	1	25	22.39	22.65	22.55	24.00
10	QPSK	1	49	22.15	22.58	22.39	24.00
10	QPSK	25	0	21.23	21.64	21.35	23.00
10	QPSK	25	12	21.14	21.69	21.32	23.00
10	QPSK	25	25	21.41	21.72	21.43	23.00
10	QPSK	50	0	21.26	21.62	21.47	23.00
10	16QAM	1	0	21.25	21.63	21.41	23.00
10	16QAM	1	25	21.38	21.79	21.57	23.00
10	16QAM	1	49	21.41	21.68	21.34	23.00
10	16QAM	25	0	20.31	20.57	20.36	22.00
10	16QAM	25	12	20.39	20.66	20.42	22.00



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10	16QAM	25	25	20.33	20.64	20.53	22.00
10	16QAM	50	0	20.25	20.67	20.41	22.00
10	64QAM	1	0	20.29	20.51	20.30	22.00
10	64QAM	1	25	20.30	20.67	20.46	22.00
10	64QAM	1	49	20.13	20.60	20.46	22.00
10	64QAM	25	0	19.29	19.57	19.38	21.00
10	64QAM	25	12	19.25	19.59	19.43	21.00
10	64QAM	25	25	19.27	19.70	19.50	21.00
10	64QAM	50	0	19.42	19.61	19.48	21.00
10	256QAM	1	0	17.09	17.47	17.33	19.00
10	256QAM	1	25	17.27	17.51	17.22	19.00
10	256QAM	1	49	17.14	17.48	17.36	19.00
10	256QAM	25	0	17.33	17.66	17.50	19.00
10	256QAM	25	12	17.34	17.67	17.46	19.00
10	256QAM	25	25	17.26	17.67	17.47	19.00
10	256QAM	50	0	17.31	17.55	17.35	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.37	22.68	22.63	24.00
5	QPSK	1	12	22.31	22.69	22.46	24.00
5	QPSK	1	24	22.19	22.56	22.36	24.00
5	QPSK	12	0	21.16	21.61	21.36	23.00
5	QPSK	12	7	21.25	21.62	21.39	23.00
5	QPSK	12	13	21.45	21.65	21.41	23.00
5	QPSK	25	0	21.25	21.63	21.39	23.00
5	16QAM	1	0	21.29	21.60	21.35	23.00
5	16QAM	1	12	21.46	21.79	21.55	23.00
5	16QAM	1	24	21.33	21.72	21.35	23.00
5	16QAM	12	0	20.33	20.62	20.43	22.00
5	16QAM	12	7	20.37	20.59	20.44	22.00
5	16QAM	12	13	20.27	20.73	20.54	22.00
5	16QAM	25	0	20.29	20.64	20.43	22.00
5	64QAM	1	0	20.31	20.48	20.33	22.00
5	64QAM	1	12	20.30	20.68	20.50	22.00
5	64QAM	1	24	20.20	20.58	20.37	22.00
5	64QAM	12	0	19.30	19.59	19.38	21.00
5	64QAM	12	7	19.32	19.62	19.41	21.00
5	64QAM	12	13	19.33	19.65	19.56	21.00
5	64QAM	25	0	19.34	19.62	19.53	21.00
5	256QAM	1	0	17.09	17.48	17.31	19.00
5	256QAM	1	12	17.24	17.50	17.29	19.00
5	256QAM	1	24	17.14	17.45	17.37	19.00
5	256QAM	12	0	17.36	17.67	17.43	19.00
5	256QAM	12	7	17.39	17.58	17.51	19.00
5	256QAM	12	13	17.30	17.69	17.42	19.00
5	256QAM	25	0	17.28	17.66	17.47	19.00

【LTE Band 7_Ant 4_ECI 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	20.43	20.56	20.52	21.50
20	QPSK	1	49	20.24	20.50	20.29	21.50
20	QPSK	1	99	20.29	20.37	20.37	21.50
20	QPSK	50	0	20.37	20.43	20.42	21.50
20	QPSK	50	24	20.29	20.42	20.36	21.50
20	QPSK	50	50	20.23	20.37	20.31	21.50
20	QPSK	100	0	20.25	20.39	20.26	21.50
20	16QAM	1	0	20.29	20.44	20.27	21.50
20	16QAM	1	49	20.41	20.47	20.35	21.50
20	16QAM	1	99	20.32	20.41	20.40	21.50
20	16QAM	50	0	20.33	20.43	20.34	21.50
20	16QAM	50	24	20.26	20.41	20.44	21.50
20	16QAM	50	50	20.32	20.38	20.32	21.50
20	16QAM	100	0	20.26	20.36	20.37	21.50
20	64QAM	1	0	20.34	20.43	20.28	21.50
20	64QAM	1	49	20.35	20.46	20.32	21.50
20	64QAM	1	99	20.24	20.39	20.39	21.50
20	64QAM	50	0	19.38	19.69	19.51	21.00
20	64QAM	50	24	19.34	19.73	19.52	21.00
20	64QAM	50	50	19.41	19.78	19.58	21.00



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20	64QAM	100	0	19.47	19.73	19.57	21.00
20	256QAM	1	0	17.18	17.54	17.41	19.00
20	256QAM	1	49	17.28	17.62	17.37	19.00
20	256QAM	1	99	17.22	17.53	17.39	19.00
20	256QAM	50	0	17.38	17.71	17.52	19.00
20	256QAM	50	24	17.42	17.72	17.54	19.00
20	256QAM	50	50	17.39	17.71	17.51	19.00
20	256QAM	100	0	17.33	17.70	17.49	19.00
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	20.28	20.55	20.51	21.50
15	QPSK	1	37	20.20	20.45	20.23	21.50
15	QPSK	1	74	20.27	20.31	20.34	21.50
15	QPSK	36	0	20.32	20.38	20.34	21.50
15	QPSK	36	20	20.23	20.34	20.33	21.50
15	QPSK	36	39	20.12	20.29	20.20	21.50
15	QPSK	75	0	20.13	20.26	20.16	21.50
15	16QAM	1	0	20.20	20.31	20.26	21.50
15	16QAM	1	37	20.27	20.46	20.22	21.50
15	16QAM	1	74	20.31	20.36	20.35	21.50
15	16QAM	36	0	20.22	20.39	20.24	21.50
15	16QAM	36	20	20.14	20.35	20.39	21.50
15	16QAM	36	39	20.31	20.36	20.23	21.50
15	16QAM	75	0	20.14	20.28	20.22	21.50
15	64QAM	1	0	20.28	20.30	20.23	21.50
15	64QAM	1	37	20.27	20.33	20.17	21.50
15	64QAM	1	74	20.16	20.28	20.24	21.50
15	64QAM	36	0	19.86	20.02	19.78	21.00
15	64QAM	36	20	19.88	20.01	19.88	21.00
15	64QAM	36	39	19.92	19.81	19.92	21.00
15	64QAM	75	0	19.90	19.99	19.81	21.00
15	256QAM	1	0	17.88	17.94	17.99	19.00
15	256QAM	1	37	17.91	17.88	17.96	19.00
15	256QAM	1	74	17.87	17.91	17.89	19.00
15	256QAM	36	0	17.90	17.88	17.88	19.00
15	256QAM	36	20	17.97	17.96	17.85	19.00
15	256QAM	36	39	17.86	17.94	17.84	19.00
15	256QAM	75	0	17.83	17.95	17.89	19.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	20.29	20.43	20.42	21.50
10	QPSK	1	25	20.09	20.41	20.14	21.50
10	QPSK	1	49	20.22	20.31	20.35	21.50
10	QPSK	25	0	20.22	20.38	20.34	21.50
10	QPSK	25	12	20.20	20.32	20.23	21.50
10	QPSK	25	25	20.12	20.25	20.20	21.50
10	QPSK	50	0	20.15	20.33	20.15	21.50
10	16QAM	1	0	20.17	20.29	20.18	21.50
10	16QAM	1	25	20.35	20.36	20.31	21.50
10	16QAM	1	49	20.31	20.38	20.38	21.50
10	16QAM	25	0	20.27	20.33	20.30	21.50
10	16QAM	25	12	20.20	20.27	20.40	21.50
10	16QAM	25	25	20.24	20.37	20.24	21.50
10	16QAM	50	0	20.16	20.28	20.24	21.50
10	64QAM	1	0	20.19	20.39	20.15	21.50
10	64QAM	1	25	20.26	20.45	20.26	21.50
10	64QAM	1	49	20.21	20.38	20.30	21.50
10	64QAM	25	0	19.82	20.01	19.82	21.00
10	64QAM	25	12	19.93	19.94	19.86	21.00
10	64QAM	25	25	19.85	19.82	19.98	21.00
10	64QAM	50	0	19.99	19.94	19.84	21.00
10	256QAM	1	0	17.85	17.98	17.91	19.00
10	256QAM	1	25	17.83	17.91	18.01	19.00
10	256QAM	1	49	17.79	18.00	17.83	19.00
10	256QAM	25	0	17.83	17.90	17.91	19.00
10	256QAM	25	12	17.87	17.95	17.83	19.00
10	256QAM	25	25	17.80	18.00	17.79	19.00
10	256QAM	50	0	17.84	17.91	17.87	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	20.39	20.51	20.45	21.50
5	QPSK	1	12	20.16	20.36	20.28	21.50
5	QPSK	1	24	20.21	20.28	20.25	21.50
5	QPSK	12	0	20.24	20.40	20.28	21.50
5	QPSK	12	7	20.19	20.37	20.23	21.50
5	QPSK	12	13	20.17	20.32	20.18	21.50
5	QPSK	25	0	20.11	20.34	20.19	21.50
5	16QAM	1	0	20.16	20.41	20.25	21.50



5	16QAM	1	12	20.37	20.33	20.23	21.50
5	16QAM	1	24	20.29	20.31	20.28	21.50
5	16QAM	12	0	20.20	20.35	20.28	21.50
5	16QAM	12	7	20.17	20.33	20.32	21.50
5	16QAM	12	13	20.21	20.36	20.30	21.50
5	16QAM	25	0	20.16	20.31	20.28	21.50
5	64QAM	1	0	20.20	20.41	20.19	21.50
5	64QAM	1	12	20.31	20.41	20.25	21.50
5	64QAM	1	24	20.12	20.30	20.35	21.50
5	64QAM	12	0	19.90	20.00	19.79	21.00
5	64QAM	12	7	19.83	19.91	19.96	21.00
5	64QAM	12	13	19.83	19.83	19.96	21.00
5	64QAM	25	0	19.90	19.97	19.83	21.00
5	256QAM	1	0	17.90	17.86	17.89	19.00
5	256QAM	1	12	17.95	17.87	17.94	19.00
5	256QAM	1	24	17.81	18.01	17.85	19.00
5	256QAM	12	0	17.88	17.92	17.91	19.00
5	256QAM	12	7	17.96	17.91	17.82	19.00
5	256QAM	12	13	17.85	17.97	17.76	19.00
5	256QAM	25	0	17.81	18.04	17.80	19.00

【LTE Band 7_Ant 4_ECI 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	14.44	14.54	14.46	15.60
20	QPSK	1	49	14.39	14.45	14.43	15.60
20	QPSK	1	99	14.40	14.48	14.37	15.60
20	QPSK	50	0	14.46	14.55	14.44	15.60
20	QPSK	50	24	14.39	14.43	14.34	15.60
20	QPSK	50	50	14.33	14.39	14.32	15.60
20	QPSK	100	0	14.38	14.44	14.48	15.60
20	16QAM	1	0	14.38	14.30	14.44	15.60
20	16QAM	1	49	14.35	14.36	14.46	15.60
20	16QAM	1	99	14.37	14.45	14.34	15.60
20	16QAM	50	0	14.40	14.39	14.42	15.60
20	16QAM	50	24	14.46	14.35	14.30	15.60
20	16QAM	50	50	14.48	14.38	14.47	15.60
20	16QAM	100	0	14.39	14.38	14.36	15.60
20	64QAM	1	0	14.46	14.37	14.39	15.60
20	64QAM	1	49	14.32	14.34	14.30	15.60
20	64QAM	1	99	14.42	14.36	14.49	15.60
20	64QAM	50	0	14.30	14.42	14.44	15.60
20	64QAM	50	24	14.46	14.46	14.42	15.60
20	64QAM	50	50	14.49	14.37	14.41	15.60
20	64QAM	100	0	14.38	14.40	14.39	15.60
20	256QAM	1	0	14.34	14.36	14.44	15.60
20	256QAM	1	49	14.39	14.40	14.38	15.60
20	256QAM	1	99	14.40	14.45	14.49	15.60
20	256QAM	50	0	14.35	14.47	14.38	15.60
20	256QAM	50	24	14.41	14.35	14.37	15.60
20	256QAM	50	50	14.37	14.42	14.36	15.60
20	256QAM	100	0	14.34	14.42	14.43	15.60
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.33	14.48	14.39	15.60
15	QPSK	1	37	14.32	14.31	14.41	15.60
15	QPSK	1	74	14.37	14.40	14.26	15.60
15	QPSK	36	0	14.39	14.48	14.37	15.60
15	QPSK	36	20	14.28	14.36	14.28	15.60
15	QPSK	36	39	14.23	14.35	14.28	15.60
15	QPSK	75	0	14.33	14.33	14.42	15.60
15	16QAM	1	0	14.31	14.16	14.42	15.60
15	16QAM	1	37	14.32	14.32	14.37	15.60
15	16QAM	1	74	14.33	14.39	14.19	15.60
15	16QAM	36	0	14.34	14.31	14.35	15.60
15	16QAM	36	20	14.44	14.24	14.28	15.60
15	16QAM	36	39	14.47	14.28	14.34	15.60
15	16QAM	75	0	14.27	14.36	14.24	15.60
15	64QAM	1	0	14.39	14.33	14.32	15.60
15	64QAM	1	37	14.19	14.22	14.23	15.60



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15	64QAM	1	74	14.36	14.23	14.41	15.60
15	64QAM	36	0	14.27	14.36	14.38	15.60
15	64QAM	36	20	14.39	14.45	14.36	15.60
15	64QAM	36	39	14.41	14.30	14.27	15.60
15	64QAM	75	0	14.28	14.36	14.34	15.60
15	256QAM	1	0	14.23	14.33	14.33	15.60
15	256QAM	1	37	14.32	14.30	14.26	15.60
15	256QAM	1	74	14.25	14.31	14.43	15.60
15	256QAM	36	0	14.26	14.43	14.33	15.60
15	256QAM	36	20	14.38	14.25	14.31	15.60
15	256QAM	36	39	14.36	14.41	14.33	15.60
15	256QAM	75	0	14.30	14.32	14.28	15.60
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.36	14.53	14.34	15.60
10	QPSK	1	25	14.26	14.34	14.29	15.60
10	QPSK	1	49	14.32	14.33	14.32	15.60
10	QPSK	25	0	14.42	14.42	14.39	15.60
10	QPSK	25	12	14.31	14.31	14.31	15.60
10	QPSK	25	25	14.24	14.32	14.21	15.60
10	QPSK	50	0	14.27	14.31	14.46	15.60
10	16QAM	1	0	14.31	14.16	14.32	15.60
10	16QAM	1	25	14.22	14.27	14.41	15.60
10	16QAM	1	49	14.35	14.43	14.30	15.60
10	16QAM	25	0	14.29	14.36	14.34	15.60
10	16QAM	25	12	14.34	14.29	14.19	15.60
10	16QAM	25	25	14.47	14.31	14.45	15.60
10	16QAM	50	0	14.31	14.28	14.30	15.60
10	64QAM	1	0	14.37	14.31	14.33	15.60
10	64QAM	1	25	14.23	14.21	14.24	15.60
10	64QAM	1	49	14.34	14.33	14.37	15.60
10	64QAM	25	0	14.20	14.38	14.41	15.60
10	64QAM	25	12	14.33	14.39	14.37	15.60
10	64QAM	25	25	14.48	14.28	14.29	15.60
10	64QAM	50	0	14.28	14.30	14.26	15.60
10	256QAM	1	0	14.29	14.28	14.31	15.60
10	256QAM	1	25	14.34	14.35	14.35	15.60
10	256QAM	1	49	14.29	14.30	14.41	15.60
10	256QAM	25	0	14.26	14.43	14.29	15.60
10	256QAM	25	12	14.35	14.30	14.36	15.60
10	256QAM	25	25	14.24	14.41	14.23	15.60
10	256QAM	50	0	14.28	14.40	14.31	15.60
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	14.37	14.44	14.35	15.60
5	QPSK	1	12	14.28	14.43	14.41	15.60
5	QPSK	1	24	14.38	14.36	14.33	15.60
5	QPSK	12	0	14.32	14.42	14.40	15.60
5	QPSK	12	7	14.35	14.30	14.31	15.60
5	QPSK	12	13	14.22	14.25	14.19	15.60
5	QPSK	25	0	14.31	14.40	14.41	15.60
5	16QAM	1	0	14.33	14.29	14.32	15.60
5	16QAM	1	12	14.26	14.22	14.43	15.60
5	16QAM	1	24	14.35	14.39	14.29	15.60
5	16QAM	12	0	14.29	14.26	14.33	15.60
5	16QAM	12	7	14.45	14.28	14.20	15.60
5	16QAM	12	13	14.43	14.28	14.40	15.60
5	16QAM	25	0	14.29	14.31	14.31	15.60
5	64QAM	1	0	14.38	14.27	14.32	15.60
5	64QAM	1	12	14.28	14.28	14.21	15.60
5	64QAM	1	24	14.36	14.33	14.40	15.60
5	64QAM	12	0	14.21	14.32	14.29	15.60
5	64QAM	12	7	14.43	14.33	14.33	15.60
5	64QAM	12	13	14.43	14.23	14.26	15.60
5	64QAM	25	0	14.29	14.32	14.29	15.60
5	256QAM	1	0	14.24	14.21	14.35	15.60
5	256QAM	1	12	14.32	14.27	14.37	15.60
5	256QAM	1	24	14.35	14.36	14.43	15.60
5	256QAM	12	0	14.23	14.33	14.34	15.60
5	256QAM	12	7	14.39	14.32	14.31	15.60
5	256QAM	12	13	14.30	14.36	14.29	15.60
5	256QAM	25	0	14.26	14.28	14.32	15.60

**【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	22.57	22.66	22.29	24.00
10	QPSK	1	25	22.54	22.54	22.17	24.00
10	QPSK	1	49	22.50	22.51	22.11	24.00
10	QPSK	25	0	21.56	21.58	21.20	23.00
10	QPSK	25	12	21.39	21.44	21.17	23.00
10	QPSK	25	25	21.51	21.54	21.16	23.00
10	QPSK	50	0	21.40	21.46	21.14	23.00
10	16QAM	1	0	21.91	21.92	21.56	23.00
10	16QAM	1	25	21.68	21.81	21.54	23.00
10	16QAM	1	49	21.82	21.88	21.55	23.00
10	16QAM	25	0	20.43	20.46	20.19	22.00
10	16QAM	25	12	20.35	20.41	20.04	22.00
10	16QAM	25	25	20.50	20.53	20.14	22.00
10	16QAM	50	0	20.34	20.44	20.13	22.00
10	64QAM	1	0	20.74	20.75	20.38	22.00
10	64QAM	1	25	20.59	20.73	20.38	22.00
10	64QAM	1	49	20.67	20.73	20.34	22.00
10	64QAM	25	0	19.41	19.46	19.15	21.00
10	64QAM	25	12	19.44	19.45	19.20	21.00
10	64QAM	25	25	19.47	19.50	19.12	21.00
10	64QAM	50	0	19.47	19.48	19.14	21.00
10	256QAM	1	0	17.70	17.72	17.40	19.00
10	256QAM	1	25	17.62	17.65	17.34	19.00
10	256QAM	1	49	17.66	17.67	17.38	19.00
10	256QAM	25	0	17.48	17.51	17.23	19.00
10	256QAM	25	12	17.32	17.42	17.12	19.00
10	256QAM	25	25	17.44	17.51	17.26	19.00
10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.53	22.36	22.25	24.00
5	QPSK	1	12	22.41	22.49	22.06	24.00
5	QPSK	1	24	22.35	22.43	22.00	24.00
5	QPSK	12	0	21.54	21.50	21.06	23.00
5	QPSK	12	7	21.31	21.32	21.13	23.00
5	QPSK	12	13	21.50	21.43	21.04	23.00
5	QPSK	25	0	21.28	21.41	21.04	23.00
5	16QAM	1	0	21.78	21.89	21.45	23.00
5	16QAM	1	12	21.56	21.74	21.50	23.00
5	16QAM	1	24	21.68	21.87	21.46	23.00
5	16QAM	12	0	20.36	20.35	20.17	22.00
5	16QAM	12	7	20.20	20.32	20.02	22.00
5	16QAM	12	13	20.40	20.38	20.09	22.00
5	16QAM	25	0	20.31	20.36	20.04	22.00
5	64QAM	1	0	20.66	20.69	20.27	22.00
5	64QAM	1	12	20.52	20.62	20.35	22.00
5	64QAM	1	24	20.63	20.64	20.26	22.00
5	64QAM	12	0	19.31	19.36	19.01	21.00
5	64QAM	12	7	19.32	19.34	19.18	21.00
5	64QAM	12	13	19.41	19.40	19.01	21.00
5	64QAM	25	0	19.38	19.46	19.04	21.00
5	256QAM	1	0	17.65	17.67	17.28	19.00
5	256QAM	1	12	17.60	17.61	17.21	19.00
5	256QAM	1	24	17.62	17.57	17.26	19.00
5	256QAM	12	0	17.45	17.40	17.11	19.00
5	256QAM	12	7	17.21	17.36	17.07	19.00
5	256QAM	12	13	17.30	17.48	17.20	19.00
5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.49	22.19	22.16	24.00
3	QPSK	1	8	22.46	22.52	22.13	24.00
3	QPSK	1	14	22.45	22.37	22.08	24.00
3	QPSK	8	0	21.44	21.49	21.06	23.00
3	QPSK	8	4	21.24	21.31	21.15	23.00
3	QPSK	8	7	21.49	21.42	21.12	23.00
3	QPSK	15	0	21.32	21.39	21.08	23.00
3	16QAM	1	0	21.85	21.82	21.42	23.00
3	16QAM	1	8	21.63	21.73	21.40	23.00
3	16QAM	1	14	21.72	21.78	21.48	23.00
3	16QAM	8	0	20.34	20.38	20.11	22.00
3	16QAM	8	4	20.28	20.31	20.00	22.00



3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00
1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00

【LTE Band 12_Ant 0_ECI 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	22.57	22.66	22.29	24.00
10	QPSK	1	25	22.54	22.54	22.17	24.00
10	QPSK	1	49	22.50	22.51	22.11	24.00
10	QPSK	25	0	21.56	21.58	21.20	23.00
10	QPSK	25	12	21.39	21.44	21.17	23.00
10	QPSK	25	25	21.51	21.54	21.16	23.00
10	QPSK	50	0	21.40	21.46	21.14	23.00
10	16QAM	1	0	21.91	21.92	21.56	23.00
10	16QAM	1	25	21.68	21.81	21.54	23.00
10	16QAM	1	49	21.82	21.88	21.55	23.00
10	16QAM	25	0	20.43	20.46	20.19	22.00
10	16QAM	25	12	20.35	20.41	20.04	22.00
10	16QAM	25	25	20.50	20.53	20.14	22.00
10	16QAM	50	0	20.34	20.44	20.13	22.00
10	64QAM	1	0	20.74	20.75	20.38	22.00
10	64QAM	1	25	20.59	20.73	20.38	22.00
10	64QAM	1	49	20.67	20.73	20.34	22.00
10	64QAM	25	0	19.41	19.46	19.15	21.00
10	64QAM	25	12	19.44	19.45	19.20	21.00
10	64QAM	25	25	19.47	19.50	19.12	21.00



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10	64QAM	50	0	19.47	19.48	19.14	21.00
10	256QAM	1	0	17.70	17.72	17.40	19.00
10	256QAM	1	25	17.62	17.65	17.34	19.00
10	256QAM	1	49	17.66	17.67	17.38	19.00
10	256QAM	25	0	17.48	17.51	17.23	19.00
10	256QAM	25	12	17.32	17.42	17.12	19.00
10	256QAM	25	25	17.44	17.51	17.26	19.00
10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.53	22.36	22.25	24.00
5	QPSK	1	12	22.41	22.49	22.06	24.00
5	QPSK	1	24	22.35	22.43	22.00	24.00
5	QPSK	12	0	21.54	21.50	21.06	23.00
5	QPSK	12	7	21.31	21.32	21.13	23.00
5	QPSK	12	13	21.50	21.43	21.04	23.00
5	QPSK	25	0	21.28	21.41	21.04	23.00
5	16QAM	1	0	21.78	21.89	21.45	23.00
5	16QAM	1	12	21.56	21.74	21.50	23.00
5	16QAM	1	24	21.68	21.87	21.46	23.00
5	16QAM	12	0	20.36	20.35	20.17	22.00
5	16QAM	12	7	20.20	20.32	20.02	22.00
5	16QAM	12	13	20.40	20.38	20.09	22.00
5	16QAM	25	0	20.31	20.36	20.04	22.00
5	64QAM	1	0	20.66	20.69	20.27	22.00
5	64QAM	1	12	20.52	20.62	20.35	22.00
5	64QAM	1	24	20.63	20.64	20.26	22.00
5	64QAM	12	0	19.31	19.36	19.01	21.00
5	64QAM	12	7	19.32	19.34	19.18	21.00
5	64QAM	12	13	19.41	19.40	19.01	21.00
5	64QAM	25	0	19.38	19.46	19.04	21.00
5	256QAM	1	0	17.65	17.67	17.28	19.00
5	256QAM	1	12	17.60	17.61	17.21	19.00
5	256QAM	1	24	17.62	17.57	17.26	19.00
5	256QAM	12	0	17.45	17.40	17.11	19.00
5	256QAM	12	7	17.21	17.36	17.07	19.00
5	256QAM	12	13	17.30	17.48	17.20	19.00
5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.49	22.19	22.16	24.00
3	QPSK	1	8	22.46	22.52	22.13	24.00
3	QPSK	1	14	22.45	22.37	22.08	24.00
3	QPSK	8	0	21.44	21.49	21.06	23.00
3	QPSK	8	4	21.24	21.31	21.15	23.00
3	QPSK	8	7	21.49	21.42	21.12	23.00
3	QPSK	15	0	21.32	21.39	21.08	23.00
3	16QAM	1	0	21.85	21.82	21.42	23.00
3	16QAM	1	8	21.63	21.73	21.40	23.00
3	16QAM	1	14	21.72	21.78	21.48	23.00
3	16QAM	8	0	20.34	20.38	20.11	22.00
3	16QAM	8	4	20.28	20.31	20.00	22.00
3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00



1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00

【LTE Band 12_Ant 0_ECI 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	22.57	22.66	22.29	24.00
10	QPSK	1	25	22.54	22.54	22.17	24.00
10	QPSK	1	49	22.50	22.51	22.11	24.00
10	QPSK	25	0	21.56	21.58	21.20	23.00
10	QPSK	25	12	21.39	21.44	21.17	23.00
10	QPSK	25	25	21.51	21.54	21.16	23.00
10	QPSK	50	0	21.40	21.46	21.14	23.00
10	16QAM	1	0	21.91	21.92	21.56	23.00
10	16QAM	1	25	21.68	21.81	21.54	23.00
10	16QAM	1	49	21.82	21.88	21.55	23.00
10	16QAM	25	0	20.43	20.46	20.19	22.00
10	16QAM	25	12	20.35	20.41	20.04	22.00
10	16QAM	25	25	20.50	20.53	20.14	22.00
10	16QAM	50	0	20.34	20.44	20.13	22.00
10	64QAM	1	0	20.74	20.75	20.38	22.00
10	64QAM	1	25	20.59	20.73	20.38	22.00
10	64QAM	1	49	20.67	20.73	20.34	22.00
10	64QAM	25	0	19.41	19.46	19.15	21.00
10	64QAM	25	12	19.44	19.45	19.20	21.00
10	64QAM	25	25	19.47	19.50	19.12	21.00
10	64QAM	50	0	19.47	19.48	19.14	21.00
10	256QAM	1	0	17.70	17.72	17.40	19.00
10	256QAM	1	25	17.62	17.65	17.34	19.00
10	256QAM	1	49	17.66	17.67	17.38	19.00
10	256QAM	25	0	17.48	17.51	17.23	19.00
10	256QAM	25	12	17.32	17.42	17.12	19.00
10	256QAM	25	25	17.44	17.51	17.26	19.00
10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.53	22.36	22.25	24.00
5	QPSK	1	12	22.41	22.49	22.06	24.00
5	QPSK	1	24	22.35	22.43	22.00	24.00
5	QPSK	12	0	21.54	21.50	21.06	23.00
5	QPSK	12	7	21.31	21.32	21.13	23.00
5	QPSK	12	13	21.50	21.43	21.04	23.00
5	QPSK	25	0	21.28	21.41	21.04	23.00
5	16QAM	1	0	21.78	21.89	21.45	23.00
5	16QAM	1	12	21.56	21.74	21.50	23.00
5	16QAM	1	24	21.68	21.87	21.46	23.00
5	16QAM	12	0	20.36	20.35	20.17	22.00
5	16QAM	12	7	20.20	20.32	20.02	22.00
5	16QAM	12	13	20.40	20.38	20.09	22.00
5	16QAM	25	0	20.31	20.36	20.04	22.00
5	64QAM	1	0	20.66	20.69	20.27	22.00
5	64QAM	1	12	20.52	20.62	20.35	22.00



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5	64QAM	1	24	20.63	20.64	20.26	22.00
5	64QAM	12	0	19.31	19.36	19.01	21.00
5	64QAM	12	7	19.32	19.34	19.18	21.00
5	64QAM	12	13	19.41	19.40	19.01	21.00
5	64QAM	25	0	19.38	19.46	19.04	21.00
5	256QAM	1	0	17.65	17.67	17.28	19.00
5	256QAM	1	12	17.60	17.61	17.21	19.00
5	256QAM	1	24	17.62	17.57	17.26	19.00
5	256QAM	12	0	17.45	17.40	17.11	19.00
5	256QAM	12	7	17.21	17.36	17.07	19.00
5	256QAM	12	13	17.30	17.48	17.20	19.00
5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.49	22.19	22.16	24.00
3	QPSK	1	8	22.46	22.52	22.13	24.00
3	QPSK	1	14	22.45	22.37	22.08	24.00
3	QPSK	8	0	21.44	21.49	21.06	23.00
3	QPSK	8	4	21.24	21.31	21.15	23.00
3	QPSK	8	7	21.49	21.42	21.12	23.00
3	QPSK	15	0	21.32	21.39	21.08	23.00
3	16QAM	1	0	21.85	21.82	21.42	23.00
3	16QAM	1	8	21.63	21.73	21.40	23.00
3	16QAM	1	14	21.72	21.78	21.48	23.00
3	16QAM	8	0	20.34	20.38	20.11	22.00
3	16QAM	8	4	20.28	20.31	20.00	22.00
3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00
1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00

**【LTE Band 12_Ant 0_ECI 4】**

Band	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23060	23095	23130	
Frequency (MHz)					704	707.5	711	
10	10	QPSK	1	0	22.57	22.66	22.29	24.00
10	10	QPSK	1	25	22.54	22.54	22.17	24.00
10	10	QPSK	1	49	22.50	22.51	22.11	24.00
10	10	QPSK	25	0	21.56	21.58	21.20	23.00
10	10	QPSK	25	12	21.39	21.44	21.17	23.00
10	10	QPSK	25	25	21.51	21.54	21.16	23.00
10	10	QPSK	50	0	21.40	21.46	21.14	23.00
10	10	16QAM	1	0	21.91	21.92	21.56	23.00
10	10	16QAM	1	25	21.68	21.81	21.54	23.00
10	10	16QAM	1	49	21.82	21.88	21.55	23.00
10	10	16QAM	25	0	20.43	20.46	20.19	22.00
10	10	16QAM	25	12	20.35	20.41	20.04	22.00
10	10	16QAM	25	25	20.50	20.53	20.14	22.00
10	10	16QAM	50	0	20.34	20.44	20.13	22.00
10	10	64QAM	1	0	20.74	20.75	20.38	22.00
10	10	64QAM	1	25	20.59	20.73	20.38	22.00
10	10	64QAM	1	49	20.67	20.73	20.34	22.00
10	10	64QAM	25	0	19.41	19.46	19.15	21.00
10	10	64QAM	25	12	19.44	19.45	19.20	21.00
10	10	64QAM	25	25	19.47	19.50	19.12	21.00
10	10	64QAM	50	0	19.47	19.48	19.14	21.00
10	10	256QAM	1	0	17.70	17.72	17.40	19.00
10	10	256QAM	1	25	17.62	17.65	17.34	19.00
10	10	256QAM	1	49	17.66	17.67	17.38	19.00
10	10	256QAM	25	0	17.48	17.51	17.23	19.00
10	10	256QAM	25	12	17.32	17.42	17.12	19.00
10	10	256QAM	25	25	17.44	17.51	17.26	19.00
10	10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel					23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)					701.5	707.5	713.5	
5	5	QPSK	1	0	22.53	22.36	22.25	24.00
5	5	QPSK	1	12	22.41	22.49	22.06	24.00
5	5	QPSK	1	24	22.35	22.43	22.00	24.00
5	5	QPSK	12	0	21.54	21.50	21.06	23.00
5	5	QPSK	12	7	21.31	21.32	21.13	23.00
5	5	QPSK	12	13	21.50	21.43	21.04	23.00
5	5	QPSK	25	0	21.28	21.41	21.04	23.00
5	5	16QAM	1	0	21.78	21.89	21.45	23.00
5	5	16QAM	1	12	21.56	21.74	21.50	23.00
5	5	16QAM	1	24	21.68	21.87	21.46	23.00
5	5	16QAM	12	0	20.36	20.35	20.17	22.00
5	5	16QAM	12	7	20.20	20.32	20.02	22.00
5	5	16QAM	12	13	20.40	20.38	20.09	22.00
5	5	16QAM	25	0	20.31	20.36	20.04	22.00
5	5	64QAM	1	0	20.66	20.69	20.27	22.00
5	5	64QAM	1	12	20.52	20.62	20.35	22.00
5	5	64QAM	1	24	20.63	20.64	20.26	22.00
5	5	64QAM	12	0	19.31	19.36	19.01	21.00
5	5	64QAM	12	7	19.32	19.34	19.18	21.00
5	5	64QAM	12	13	19.41	19.40	19.01	21.00
5	5	64QAM	25	0	19.38	19.46	19.04	21.00
5	5	256QAM	1	0	17.65	17.67	17.28	19.00
5	5	256QAM	1	12	17.60	17.61	17.21	19.00
5	5	256QAM	1	24	17.62	17.57	17.26	19.00
5	5	256QAM	12	0	17.45	17.40	17.11	19.00
5	5	256QAM	12	7	17.21	17.36	17.07	19.00
5	5	256QAM	12	13	17.30	17.48	17.20	19.00
5	5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel					23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)					700.5	707.5	714.5	
3	3	QPSK	1	0	22.49	22.19	22.16	24.00
3	3	QPSK	1	8	22.46	22.52	22.13	24.00
3	3	QPSK	1	14	22.45	22.37	22.08	24.00
3	3	QPSK	8	0	21.44	21.49	21.06	23.00
3	3	QPSK	8	4	21.24	21.31	21.15	23.00
3	3	QPSK	8	7	21.49	21.42	21.12	23.00
3	3	QPSK	15	0	21.32	21.39	21.08	23.00
3	3	16QAM	1	0	21.85	21.82	21.42	23.00
3	3	16QAM	1	8	21.63	21.73	21.40	23.00
3	3	16QAM	1	14	21.72	21.78	21.48	23.00
3	3	16QAM	8	0	20.34	20.38	20.11	22.00
3	3	16QAM	8	4	20.28	20.31	20.00	22.00



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3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00
1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00

【LTE Band 12_Ant 0_ECI 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	22.57	22.66	22.29	24.00
10	QPSK	1	25	22.54	22.54	22.17	24.00
10	QPSK	1	49	22.50	22.51	22.11	24.00
10	QPSK	25	0	21.56	21.58	21.20	23.00
10	QPSK	25	12	21.39	21.44	21.17	23.00
10	QPSK	25	25	21.51	21.54	21.16	23.00
10	QPSK	50	0	21.40	21.46	21.14	23.00
10	16QAM	1	0	21.91	21.92	21.56	23.00
10	16QAM	1	25	21.68	21.81	21.54	23.00
10	16QAM	1	49	21.82	21.88	21.55	23.00
10	16QAM	25	0	20.43	20.46	20.19	22.00
10	16QAM	25	12	20.35	20.41	20.04	22.00
10	16QAM	25	25	20.50	20.53	20.14	22.00
10	16QAM	50	0	20.34	20.44	20.13	22.00
10	64QAM	1	0	20.74	20.75	20.38	22.00
10	64QAM	1	25	20.59	20.73	20.38	22.00
10	64QAM	1	49	20.67	20.73	20.34	22.00
10	64QAM	25	0	19.41	19.46	19.15	21.00
10	64QAM	25	12	19.44	19.45	19.20	21.00
10	64QAM	25	25	19.47	19.50	19.12	21.00



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10	64QAM	50	0	19.47	19.48	19.14	21.00
10	256QAM	1	0	17.70	17.72	17.40	19.00
10	256QAM	1	25	17.62	17.65	17.34	19.00
10	256QAM	1	49	17.66	17.67	17.38	19.00
10	256QAM	25	0	17.48	17.51	17.23	19.00
10	256QAM	25	12	17.32	17.42	17.12	19.00
10	256QAM	25	25	17.44	17.51	17.26	19.00
10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.53	22.36	22.25	24.00
5	QPSK	1	12	22.41	22.49	22.06	24.00
5	QPSK	1	24	22.35	22.43	22.00	24.00
5	QPSK	12	0	21.54	21.50	21.06	23.00
5	QPSK	12	7	21.31	21.32	21.13	23.00
5	QPSK	12	13	21.50	21.43	21.04	23.00
5	QPSK	25	0	21.28	21.41	21.04	23.00
5	16QAM	1	0	21.78	21.89	21.45	23.00
5	16QAM	1	12	21.56	21.74	21.50	23.00
5	16QAM	1	24	21.68	21.87	21.46	23.00
5	16QAM	12	0	20.36	20.35	20.17	22.00
5	16QAM	12	7	20.20	20.32	20.02	22.00
5	16QAM	12	13	20.40	20.38	20.09	22.00
5	16QAM	25	0	20.31	20.36	20.04	22.00
5	64QAM	1	0	20.66	20.69	20.27	22.00
5	64QAM	1	12	20.52	20.62	20.35	22.00
5	64QAM	1	24	20.63	20.64	20.26	22.00
5	64QAM	12	0	19.31	19.36	19.01	21.00
5	64QAM	12	7	19.32	19.34	19.18	21.00
5	64QAM	12	13	19.41	19.40	19.01	21.00
5	64QAM	25	0	19.38	19.46	19.04	21.00
5	256QAM	1	0	17.65	17.67	17.28	19.00
5	256QAM	1	12	17.60	17.61	17.21	19.00
5	256QAM	1	24	17.62	17.57	17.26	19.00
5	256QAM	12	0	17.45	17.40	17.11	19.00
5	256QAM	12	7	17.21	17.36	17.07	19.00
5	256QAM	12	13	17.30	17.48	17.20	19.00
5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.49	22.19	22.16	24.00
3	QPSK	1	8	22.46	22.52	22.13	24.00
3	QPSK	1	14	22.45	22.37	22.08	24.00
3	QPSK	8	0	21.44	21.49	21.06	23.00
3	QPSK	8	4	21.24	21.31	21.15	23.00
3	QPSK	8	7	21.49	21.42	21.12	23.00
3	QPSK	15	0	21.32	21.39	21.08	23.00
3	16QAM	1	0	21.85	21.82	21.42	23.00
3	16QAM	1	8	21.63	21.73	21.40	23.00
3	16QAM	1	14	21.72	21.78	21.48	23.00
3	16QAM	8	0	20.34	20.38	20.11	22.00
3	16QAM	8	4	20.28	20.31	20.00	22.00
3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00



1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00

【LTE Band 12_Ant 0_ECI 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	22.57	22.66	22.29	24.00
10	QPSK	1	25	22.54	22.54	22.17	24.00
10	QPSK	1	49	22.50	22.51	22.11	24.00
10	QPSK	25	0	21.56	21.58	21.20	23.00
10	QPSK	25	12	21.39	21.44	21.17	23.00
10	QPSK	25	25	21.51	21.54	21.16	23.00
10	QPSK	50	0	21.40	21.46	21.14	23.00
10	16QAM	1	0	21.91	21.92	21.56	23.00
10	16QAM	1	25	21.68	21.81	21.54	23.00
10	16QAM	1	49	21.82	21.88	21.55	23.00
10	16QAM	25	0	20.43	20.46	20.19	22.00
10	16QAM	25	12	20.35	20.41	20.04	22.00
10	16QAM	25	25	20.50	20.53	20.14	22.00
10	16QAM	50	0	20.34	20.44	20.13	22.00
10	64QAM	1	0	20.74	20.75	20.38	22.00
10	64QAM	1	25	20.59	20.73	20.38	22.00
10	64QAM	1	49	20.67	20.73	20.34	22.00
10	64QAM	25	0	19.41	19.46	19.15	21.00
10	64QAM	25	12	19.44	19.45	19.20	21.00
10	64QAM	25	25	19.47	19.50	19.12	21.00
10	64QAM	50	0	19.47	19.48	19.14	21.00
10	256QAM	1	0	17.70	17.72	17.40	19.00
10	256QAM	1	25	17.62	17.65	17.34	19.00
10	256QAM	1	49	17.66	17.67	17.38	19.00
10	256QAM	25	0	17.48	17.51	17.23	19.00
10	256QAM	25	12	17.32	17.42	17.12	19.00
10	256QAM	25	25	17.44	17.51	17.26	19.00
10	256QAM	50	0	17.43	17.49	17.22	19.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.53	22.36	22.25	24.00
5	QPSK	1	12	22.41	22.49	22.06	24.00
5	QPSK	1	24	22.35	22.43	22.00	24.00
5	QPSK	12	0	21.54	21.50	21.06	23.00
5	QPSK	12	7	21.31	21.32	21.13	23.00
5	QPSK	12	13	21.50	21.43	21.04	23.00
5	QPSK	25	0	21.28	21.41	21.04	23.00
5	16QAM	1	0	21.78	21.89	21.45	23.00
5	16QAM	1	12	21.56	21.74	21.50	23.00
5	16QAM	1	24	21.68	21.87	21.46	23.00
5	16QAM	12	0	20.36	20.35	20.17	22.00
5	16QAM	12	7	20.20	20.32	20.02	22.00
5	16QAM	12	13	20.40	20.38	20.09	22.00
5	16QAM	25	0	20.31	20.36	20.04	22.00
5	64QAM	1	0	20.66	20.69	20.27	22.00
5	64QAM	1	12	20.52	20.62	20.35	22.00



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5	64QAM	1	24	20.63	20.64	20.26	22.00
5	64QAM	12	0	19.31	19.36	19.01	21.00
5	64QAM	12	7	19.32	19.34	19.18	21.00
5	64QAM	12	13	19.41	19.40	19.01	21.00
5	64QAM	25	0	19.38	19.46	19.04	21.00
5	256QAM	1	0	17.65	17.67	17.28	19.00
5	256QAM	1	12	17.60	17.61	17.21	19.00
5	256QAM	1	24	17.62	17.57	17.26	19.00
5	256QAM	12	0	17.45	17.40	17.11	19.00
5	256QAM	12	7	17.21	17.36	17.07	19.00
5	256QAM	12	13	17.30	17.48	17.20	19.00
5	256QAM	25	0	17.41	17.43	17.20	19.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	22.49	22.19	22.16	24.00
3	QPSK	1	8	22.46	22.52	22.13	24.00
3	QPSK	1	14	22.45	22.37	22.08	24.00
3	QPSK	8	0	21.44	21.49	21.06	23.00
3	QPSK	8	4	21.24	21.31	21.15	23.00
3	QPSK	8	7	21.49	21.42	21.12	23.00
3	QPSK	15	0	21.32	21.39	21.08	23.00
3	16QAM	1	0	21.85	21.82	21.42	23.00
3	16QAM	1	8	21.63	21.73	21.40	23.00
3	16QAM	1	14	21.72	21.78	21.48	23.00
3	16QAM	8	0	20.34	20.38	20.11	22.00
3	16QAM	8	4	20.28	20.31	20.00	22.00
3	16QAM	8	7	20.46	20.44	20.04	22.00
3	16QAM	15	0	20.21	20.34	20.00	22.00
3	64QAM	1	0	20.63	20.62	20.30	22.00
3	64QAM	1	8	20.45	20.62	20.29	22.00
3	64QAM	1	14	20.63	20.62	20.22	22.00
3	64QAM	8	0	19.38	19.39	19.04	21.00
3	64QAM	8	4	19.30	19.33	19.18	21.00
3	64QAM	8	7	19.38	19.49	19.00	21.00
3	64QAM	15	0	19.34	19.43	19.02	21.00
3	256QAM	1	0	17.56	17.64	17.26	19.00
3	256QAM	1	8	17.49	17.54	17.27	19.00
3	256QAM	1	14	17.60	17.57	17.28	19.00
3	256QAM	8	0	17.43	17.36	17.12	19.00
3	256QAM	8	4	17.27	17.36	17.03	19.00
3	256QAM	8	7	17.40	17.40	17.12	19.00
3	256QAM	15	0	17.33	17.44	17.10	19.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	22.54	22.38	22.18	24.00
1.4	QPSK	1	3	22.42	22.42	22.12	24.00
1.4	QPSK	1	5	22.39	22.39	22.00	24.00
1.4	QPSK	3	0	22.44	22.48	22.13	24.00
1.4	QPSK	3	1	22.25	22.34	22.13	24.00
1.4	QPSK	3	3	22.42	22.46	22.06	24.00
1.4	QPSK	6	0	21.32	21.36	21.01	23.00
1.4	16QAM	1	0	21.76	21.83	21.46	23.00
1.4	16QAM	1	3	21.64	21.80	21.47	23.00
1.4	16QAM	1	5	21.69	21.85	21.46	23.00
1.4	16QAM	3	0	21.35	21.34	21.13	23.00
1.4	16QAM	3	1	21.27	21.34	21.01	23.00
1.4	16QAM	3	3	21.38	21.44	21.00	23.00
1.4	16QAM	6	0	20.31	20.35	20.01	22.00
1.4	64QAM	1	0	20.63	20.65	20.34	22.00
1.4	64QAM	1	3	20.47	20.61	20.34	22.00
1.4	64QAM	1	5	20.53	20.62	20.21	22.00
1.4	64QAM	3	0	20.33	20.35	20.00	22.00
1.4	64QAM	3	1	20.33	20.44	20.15	22.00
1.4	64QAM	3	3	20.38	20.44	20.01	22.00
1.4	64QAM	6	0	19.35	19.40	19.00	21.00
1.4	256QAM	1	0	17.55	17.70	17.31	19.00
1.4	256QAM	1	3	17.59	17.51	17.26	19.00
1.4	256QAM	1	5	17.63	17.54	17.30	19.00
1.4	256QAM	3	0	17.42	17.41	17.17	19.00
1.4	256QAM	3	1	17.23	17.38	17.05	19.00
1.4	256QAM	3	3	17.40	17.39	17.12	19.00
1.4	256QAM	6	0	17.34	17.43	17.18	19.00



【LTE Band 12_Ant 4_Full Power】

Band	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23060	23095	23130	
Frequency (MHz)					704	707.5	711	
10	10	QPSK	1	0	22.07	22.18	21.84	23.00
10	10	QPSK	1	25	21.85	22.10	21.71	23.00
10	10	QPSK	1	49	21.84	22.08	21.69	23.00
10	10	QPSK	25	0	20.94	21.15	20.77	22.00
10	10	QPSK	25	12	20.73	20.94	20.57	22.00
10	10	QPSK	25	25	20.87	21.11	20.71	22.00
10	10	QPSK	50	0	20.86	21.05	20.66	22.00
10	10	16QAM	1	0	21.21	21.38	20.96	22.00
10	10	16QAM	1	25	21.23	21.36	20.96	22.00
10	10	16QAM	1	49	21.27	21.42	20.99	22.00
10	10	16QAM	25	0	19.92	20.05	19.66	21.00
10	10	16QAM	25	12	19.80	19.96	19.53	21.00
10	10	16QAM	25	25	19.89	20.09	19.76	21.00
10	10	16QAM	50	0	19.90	20.02	19.59	21.00
10	10	64QAM	1	0	20.10	20.27	19.91	21.00
10	10	64QAM	1	25	20.12	20.26	19.83	21.00
10	10	64QAM	1	49	20.16	20.28	19.88	21.00
10	10	64QAM	25	0	18.92	19.03	18.61	20.00
10	10	64QAM	25	12	18.83	18.94	18.55	20.00
10	10	64QAM	25	25	18.85	19.09	18.75	20.00
10	10	64QAM	50	0	18.93	19.07	18.76	20.00
10	10	256QAM	1	0	17.01	17.21	16.91	18.00
10	10	256QAM	1	25	17.11	17.24	16.94	18.00
10	10	256QAM	1	49	17.05	17.16	16.80	18.00
10	10	256QAM	25	0	16.93	17.06	16.77	18.00
10	10	256QAM	25	12	16.84	16.97	16.67	18.00
10	10	256QAM	25	25	16.99	17.09	16.69	18.00
10	10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel					23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)					701.5	707.5	713.5	
5	5	QPSK	1	0	22.05	21.88	21.80	23.00
5	5	QPSK	1	12	21.75	22.08	21.56	23.00
5	5	QPSK	1	24	21.77	22.05	21.58	23.00
5	5	QPSK	12	0	20.80	21.11	20.69	22.00
5	5	QPSK	12	7	20.66	20.88	20.45	22.00
5	5	QPSK	12	13	20.73	21.02	20.60	22.00
5	5	QPSK	25	0	20.73	21.04	20.64	22.00
5	5	16QAM	1	0	21.16	21.37	20.91	22.00
5	5	16QAM	1	12	21.18	21.31	20.81	22.00
5	5	16QAM	1	24	21.20	21.31	20.92	22.00
5	5	16QAM	12	0	19.89	20.00	19.53	21.00
5	5	16QAM	12	7	19.72	19.92	19.39	21.00
5	5	16QAM	12	13	19.75	20.02	19.74	21.00
5	5	16QAM	25	0	19.78	19.98	19.54	21.00
5	5	64QAM	1	0	19.95	20.21	19.81	21.00
5	5	64QAM	1	12	20.08	20.23	19.75	21.00
5	5	64QAM	1	24	20.08	20.25	19.82	21.00
5	5	64QAM	12	0	18.91	18.98	18.57	20.00
5	5	64QAM	12	7	18.81	18.87	18.47	20.00
5	5	64QAM	12	13	18.72	19.04	18.60	20.00
5	5	64QAM	25	0	18.86	18.97	18.63	20.00
5	5	256QAM	1	0	16.95	17.06	16.83	18.00
5	5	256QAM	1	12	17.00	17.23	16.89	18.00
5	5	256QAM	1	24	16.92	17.01	16.77	18.00
5	5	256QAM	12	0	16.79	16.93	16.76	18.00
5	5	256QAM	12	7	16.80	16.85	16.56	18.00
5	5	256QAM	12	13	16.94	16.95	16.63	18.00
5	5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel					23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)					700.5	707.5	714.5	
3	3	QPSK	1	0	21.94	21.74	21.73	23.00
3	3	QPSK	1	8	21.72	22.08	21.67	23.00
3	3	QPSK	1	14	21.78	21.98	21.56	23.00
3	3	QPSK	8	0	20.84	21.02	20.70	22.00
3	3	QPSK	8	4	20.65	20.81	20.56	22.00
3	3	QPSK	8	7	20.77	21.02	20.62	22.00
3	3	QPSK	15	0	20.79	21.01	20.52	22.00
3	3	16QAM	1	0	21.16	21.31	20.86	22.00
3	3	16QAM	1	8	21.10	21.30	20.93	22.00
3	3	16QAM	1	14	21.16	21.28	20.89	22.00
3	3	16QAM	8	0	19.82	19.96	19.57	21.00
3	3	16QAM	8	4	19.69	19.90	19.42	21.00



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3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00
1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

【LTE Band 12_Ant 4_ECI 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	22.07	22.18	21.84	23.00
10	QPSK	1	25	21.85	22.10	21.71	23.00
10	QPSK	1	49	21.84	22.08	21.69	23.00
10	QPSK	25	0	20.94	21.15	20.77	22.00
10	QPSK	25	12	20.73	20.94	20.57	22.00
10	QPSK	25	25	20.87	21.11	20.71	22.00
10	QPSK	50	0	20.86	21.05	20.66	22.00
10	16QAM	1	0	21.21	21.38	20.96	22.00
10	16QAM	1	25	21.23	21.36	20.96	22.00
10	16QAM	1	49	21.27	21.42	20.99	22.00
10	16QAM	25	0	19.92	20.05	19.66	21.00
10	16QAM	25	12	19.80	19.96	19.53	21.00
10	16QAM	25	25	19.89	20.09	19.76	21.00
10	16QAM	50	0	19.90	20.02	19.59	21.00
10	64QAM	1	0	20.10	20.27	19.91	21.00
10	64QAM	1	25	20.12	20.26	19.83	21.00
10	64QAM	1	49	20.16	20.28	19.88	21.00
10	64QAM	25	0	18.92	19.03	18.61	20.00
10	64QAM	25	12	18.83	18.94	18.55	20.00
10	64QAM	25	25	18.85	19.09	18.75	20.00



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10	64QAM	50	0	18.93	19.07	18.76	20.00
10	256QAM	1	0	17.01	17.21	16.91	18.00
10	256QAM	1	25	17.11	17.24	16.94	18.00
10	256QAM	1	49	17.05	17.16	16.80	18.00
10	256QAM	25	0	16.93	17.06	16.77	18.00
10	256QAM	25	12	16.84	16.97	16.67	18.00
10	256QAM	25	25	16.99	17.09	16.69	18.00
10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.05	21.88	21.80	23.00
5	QPSK	1	12	21.75	22.08	21.56	23.00
5	QPSK	1	24	21.77	22.05	21.58	23.00
5	QPSK	12	0	20.80	21.11	20.69	22.00
5	QPSK	12	7	20.66	20.88	20.45	22.00
5	QPSK	12	13	20.73	21.02	20.60	22.00
5	QPSK	25	0	20.73	21.04	20.64	22.00
5	16QAM	1	0	21.16	21.37	20.91	22.00
5	16QAM	1	12	21.18	21.31	20.81	22.00
5	16QAM	1	24	21.20	21.31	20.92	22.00
5	16QAM	12	0	19.89	20.00	19.53	21.00
5	16QAM	12	7	19.72	19.92	19.39	21.00
5	16QAM	12	13	19.75	20.02	19.74	21.00
5	16QAM	25	0	19.78	19.98	19.54	21.00
5	64QAM	1	0	19.95	20.21	19.81	21.00
5	64QAM	1	12	20.08	20.23	19.75	21.00
5	64QAM	1	24	20.08	20.25	19.82	21.00
5	64QAM	12	0	18.91	18.98	18.57	20.00
5	64QAM	12	7	18.81	18.87	18.47	20.00
5	64QAM	12	13	18.72	19.04	18.60	20.00
5	64QAM	25	0	18.86	18.97	18.63	20.00
5	256QAM	1	0	16.95	17.06	16.83	18.00
5	256QAM	1	12	17.00	17.23	16.89	18.00
5	256QAM	1	24	16.92	17.01	16.77	18.00
5	256QAM	12	0	16.79	16.93	16.76	18.00
5	256QAM	12	7	16.80	16.85	16.56	18.00
5	256QAM	12	13	16.94	16.95	16.63	18.00
5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	21.94	21.74	21.73	23.00
3	QPSK	1	8	21.72	22.08	21.67	23.00
3	QPSK	1	14	21.78	21.98	21.56	23.00
3	QPSK	8	0	20.84	21.02	20.70	22.00
3	QPSK	8	4	20.65	20.81	20.56	22.00
3	QPSK	8	7	20.77	21.02	20.62	22.00
3	QPSK	15	0	20.79	21.01	20.52	22.00
3	16QAM	1	0	21.16	21.31	20.86	22.00
3	16QAM	1	8	21.10	21.30	20.93	22.00
3	16QAM	1	14	21.16	21.28	20.89	22.00
3	16QAM	8	0	19.82	19.96	19.57	21.00
3	16QAM	8	4	19.69	19.90	19.42	21.00
3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00



1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

【LTE Band 12_Ant 4_ECI 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	22.07	22.18	21.84	23.00
10	QPSK	1	25	21.85	22.10	21.71	23.00
10	QPSK	1	49	21.84	22.08	21.69	23.00
10	QPSK	25	0	20.94	21.15	20.77	22.00
10	QPSK	25	12	20.73	20.94	20.57	22.00
10	QPSK	25	25	20.87	21.11	20.71	22.00
10	QPSK	50	0	20.86	21.05	20.66	22.00
10	16QAM	1	0	21.21	21.38	20.96	22.00
10	16QAM	1	25	21.23	21.36	20.96	22.00
10	16QAM	1	49	21.27	21.42	20.99	22.00
10	16QAM	25	0	19.92	20.05	19.66	21.00
10	16QAM	25	12	19.80	19.96	19.53	21.00
10	16QAM	25	25	19.89	20.09	19.76	21.00
10	16QAM	50	0	19.90	20.02	19.59	21.00
10	64QAM	1	0	20.10	20.27	19.91	21.00
10	64QAM	1	25	20.12	20.26	19.83	21.00
10	64QAM	1	49	20.16	20.28	19.88	21.00
10	64QAM	25	0	18.92	19.03	18.61	20.00
10	64QAM	25	12	18.83	18.94	18.55	20.00
10	64QAM	25	25	18.85	19.09	18.75	20.00
10	64QAM	50	0	18.93	19.07	18.76	20.00
10	256QAM	1	0	17.01	17.21	16.91	18.00
10	256QAM	1	25	17.11	17.24	16.94	18.00
10	256QAM	1	49	17.05	17.16	16.80	18.00
10	256QAM	25	0	16.93	17.06	16.77	18.00
10	256QAM	25	12	16.84	16.97	16.67	18.00
10	256QAM	25	25	16.99	17.09	16.69	18.00
10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.05	21.88	21.80	23.00
5	QPSK	1	12	21.75	22.08	21.56	23.00
5	QPSK	1	24	21.77	22.05	21.58	23.00
5	QPSK	12	0	20.80	21.11	20.69	22.00
5	QPSK	12	7	20.66	20.88	20.45	22.00
5	QPSK	12	13	20.73	21.02	20.60	22.00
5	QPSK	25	0	20.73	21.04	20.64	22.00
5	16QAM	1	0	21.16	21.37	20.91	22.00
5	16QAM	1	12	21.18	21.31	20.81	22.00
5	16QAM	1	24	21.20	21.31	20.92	22.00
5	16QAM	12	0	19.89	20.00	19.53	21.00
5	16QAM	12	7	19.72	19.92	19.39	21.00
5	16QAM	12	13	19.75	20.02	19.74	21.00
5	16QAM	25	0	19.78	19.98	19.54	21.00
5	64QAM	1	0	19.95	20.21	19.81	21.00
5	64QAM	1	12	20.08	20.23	19.75	21.00



5	64QAM	1	24	20.08	20.25	19.82	21.00
5	64QAM	12	0	18.91	18.98	18.57	20.00
5	64QAM	12	7	18.81	18.87	18.47	20.00
5	64QAM	12	13	18.72	19.04	18.60	20.00
5	64QAM	25	0	18.86	18.97	18.63	20.00
5	256QAM	1	0	16.95	17.06	16.83	18.00
5	256QAM	1	12	17.00	17.23	16.89	18.00
5	256QAM	1	24	16.92	17.01	16.77	18.00
5	256QAM	12	0	16.79	16.93	16.76	18.00
5	256QAM	12	7	16.80	16.85	16.56	18.00
5	256QAM	12	13	16.94	16.95	16.63	18.00
5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	21.94	21.74	21.73	23.00
3	QPSK	1	8	21.72	22.08	21.67	23.00
3	QPSK	1	14	21.78	21.98	21.56	23.00
3	QPSK	8	0	20.84	21.02	20.70	22.00
3	QPSK	8	4	20.65	20.81	20.56	22.00
3	QPSK	8	7	20.77	21.02	20.62	22.00
3	QPSK	15	0	20.79	21.01	20.52	22.00
3	16QAM	1	0	21.16	21.31	20.86	22.00
3	16QAM	1	8	21.10	21.30	20.93	22.00
3	16QAM	1	14	21.16	21.28	20.89	22.00
3	16QAM	8	0	19.82	19.96	19.57	21.00
3	16QAM	8	4	19.69	19.90	19.42	21.00
3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00
1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

**【LTE Band 12_Ant 4_ECI 4】**

Band	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23060	23095	23130	
Frequency (MHz)					704	707.5	711	
10	10	QPSK	1	0	22.07	22.18	21.84	23.00
10	10	QPSK	1	25	21.85	22.10	21.71	23.00
10	10	QPSK	1	49	21.84	22.08	21.69	23.00
10	10	QPSK	25	0	20.94	21.15	20.77	22.00
10	10	QPSK	25	12	20.73	20.94	20.57	22.00
10	10	QPSK	25	25	20.87	21.11	20.71	22.00
10	10	QPSK	50	0	20.86	21.05	20.66	22.00
10	10	16QAM	1	0	21.21	21.38	20.96	22.00
10	10	16QAM	1	25	21.23	21.36	20.96	22.00
10	10	16QAM	1	49	21.27	21.42	20.99	22.00
10	10	16QAM	25	0	19.92	20.05	19.66	21.00
10	10	16QAM	25	12	19.80	19.96	19.53	21.00
10	10	16QAM	25	25	19.89	20.09	19.76	21.00
10	10	16QAM	50	0	19.90	20.02	19.59	21.00
10	10	64QAM	1	0	20.10	20.27	19.91	21.00
10	10	64QAM	1	25	20.12	20.26	19.83	21.00
10	10	64QAM	1	49	20.16	20.28	19.88	21.00
10	10	64QAM	25	0	18.92	19.03	18.61	20.00
10	10	64QAM	25	12	18.83	18.94	18.55	20.00
10	10	64QAM	25	25	18.85	19.09	18.75	20.00
10	10	64QAM	50	0	18.93	19.07	18.76	20.00
10	10	256QAM	1	0	17.01	17.21	16.91	18.00
10	10	256QAM	1	25	17.11	17.24	16.94	18.00
10	10	256QAM	1	49	17.05	17.16	16.80	18.00
10	10	256QAM	25	0	16.93	17.06	16.77	18.00
10	10	256QAM	25	12	16.84	16.97	16.67	18.00
10	10	256QAM	25	25	16.99	17.09	16.69	18.00
10	10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel					23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)					701.5	707.5	713.5	
5	5	QPSK	1	0	22.05	21.88	21.80	23.00
5	5	QPSK	1	12	21.75	22.08	21.56	23.00
5	5	QPSK	1	24	21.77	22.05	21.58	23.00
5	5	QPSK	12	0	20.80	21.11	20.69	22.00
5	5	QPSK	12	7	20.66	20.88	20.45	22.00
5	5	QPSK	12	13	20.73	21.02	20.60	22.00
5	5	QPSK	25	0	20.73	21.04	20.64	22.00
5	5	16QAM	1	0	21.16	21.37	20.91	22.00
5	5	16QAM	1	12	21.18	21.31	20.81	22.00
5	5	16QAM	1	24	21.20	21.31	20.92	22.00
5	5	16QAM	12	0	19.89	20.00	19.53	21.00
5	5	16QAM	12	7	19.72	19.92	19.39	21.00
5	5	16QAM	12	13	19.75	20.02	19.74	21.00
5	5	16QAM	25	0	19.78	19.98	19.54	21.00
5	5	64QAM	1	0	19.95	20.21	19.81	21.00
5	5	64QAM	1	12	20.08	20.23	19.75	21.00
5	5	64QAM	1	24	20.08	20.25	19.82	21.00
5	5	64QAM	12	0	18.91	18.98	18.57	20.00
5	5	64QAM	12	7	18.81	18.87	18.47	20.00
5	5	64QAM	12	13	18.72	19.04	18.60	20.00
5	5	64QAM	25	0	18.86	18.97	18.63	20.00
5	5	256QAM	1	0	16.95	17.06	16.83	18.00
5	5	256QAM	1	12	17.00	17.23	16.89	18.00
5	5	256QAM	1	24	16.92	17.01	16.77	18.00
5	5	256QAM	12	0	16.79	16.93	16.76	18.00
5	5	256QAM	12	7	16.80	16.85	16.56	18.00
5	5	256QAM	12	13	16.94	16.95	16.63	18.00
5	5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel					23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)					700.5	707.5	714.5	
3	3	QPSK	1	0	21.94	21.74	21.73	23.00
3	3	QPSK	1	8	21.72	22.08	21.67	23.00
3	3	QPSK	1	14	21.78	21.98	21.56	23.00
3	3	QPSK	8	0	20.84	21.02	20.70	22.00
3	3	QPSK	8	4	20.65	20.81	20.56	22.00
3	3	QPSK	8	7	20.77	21.02	20.62	22.00
3	3	QPSK	15	0	20.79	21.01	20.52	22.00
3	3	16QAM	1	0	21.16	21.31	20.86	22.00
3	3	16QAM	1	8	21.10	21.30	20.93	22.00
3	3	16QAM	1	14	21.16	21.28	20.89	22.00
3	3	16QAM	8	0	19.82	19.96	19.57	21.00
3	3	16QAM	8	4	19.69	19.90	19.42	21.00



3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00
1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

【LTE Band 12_Ant 4_ECI 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	22.07	22.18	21.84	23.00
10	QPSK	1	25	21.85	22.10	21.71	23.00
10	QPSK	1	49	21.84	22.08	21.69	23.00
10	QPSK	25	0	20.94	21.15	20.77	22.00
10	QPSK	25	12	20.73	20.94	20.57	22.00
10	QPSK	25	25	20.87	21.11	20.71	22.00
10	QPSK	50	0	20.86	21.05	20.66	22.00
10	16QAM	1	0	21.21	21.38	20.96	22.00
10	16QAM	1	25	21.23	21.36	20.96	22.00
10	16QAM	1	49	21.27	21.42	20.99	22.00
10	16QAM	25	0	19.92	20.05	19.66	21.00
10	16QAM	25	12	19.80	19.96	19.53	21.00
10	16QAM	25	25	19.89	20.09	19.76	21.00
10	16QAM	50	0	19.90	20.02	19.59	21.00
10	64QAM	1	0	20.10	20.27	19.91	21.00
10	64QAM	1	25	20.12	20.26	19.83	21.00
10	64QAM	1	49	20.16	20.28	19.88	21.00
10	64QAM	25	0	18.92	19.03	18.61	20.00
10	64QAM	25	12	18.83	18.94	18.55	20.00
10	64QAM	25	25	18.85	19.09	18.75	20.00



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10	64QAM	50	0	18.93	19.07	18.76	20.00
10	256QAM	1	0	17.01	17.21	16.91	18.00
10	256QAM	1	25	17.11	17.24	16.94	18.00
10	256QAM	1	49	17.05	17.16	16.80	18.00
10	256QAM	25	0	16.93	17.06	16.77	18.00
10	256QAM	25	12	16.84	16.97	16.67	18.00
10	256QAM	25	25	16.99	17.09	16.69	18.00
10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel				23035	23095	23115	Tune-up limit
Frequency (MHz)				701.5	707.5	713.5	(dBm)
5	QPSK	1	0	22.05	21.88	21.80	23.00
5	QPSK	1	12	21.75	22.08	21.56	23.00
5	QPSK	1	24	21.77	22.05	21.58	23.00
5	QPSK	12	0	20.80	21.11	20.69	22.00
5	QPSK	12	7	20.66	20.88	20.45	22.00
5	QPSK	12	13	20.73	21.02	20.60	22.00
5	QPSK	25	0	20.73	21.04	20.64	22.00
5	16QAM	1	0	21.16	21.37	20.91	22.00
5	16QAM	1	12	21.18	21.31	20.81	22.00
5	16QAM	1	24	21.20	21.31	20.92	22.00
5	16QAM	12	0	19.89	20.00	19.53	21.00
5	16QAM	12	7	19.72	19.92	19.39	21.00
5	16QAM	12	13	19.75	20.02	19.74	21.00
5	16QAM	25	0	19.78	19.98	19.54	21.00
5	64QAM	1	0	19.95	20.21	19.81	21.00
5	64QAM	1	12	20.08	20.23	19.75	21.00
5	64QAM	1	24	20.08	20.25	19.82	21.00
5	64QAM	12	0	18.91	18.98	18.57	20.00
5	64QAM	12	7	18.81	18.87	18.47	20.00
5	64QAM	12	13	18.72	19.04	18.60	20.00
5	64QAM	25	0	18.86	18.97	18.63	20.00
5	256QAM	1	0	16.95	17.06	16.83	18.00
5	256QAM	1	12	17.00	17.23	16.89	18.00
5	256QAM	1	24	16.92	17.01	16.77	18.00
5	256QAM	12	0	16.79	16.93	16.76	18.00
5	256QAM	12	7	16.80	16.85	16.56	18.00
5	256QAM	12	13	16.94	16.95	16.63	18.00
5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel				23025	23095	23165	Tune-up limit
Frequency (MHz)				700.5	707.5	714.5	(dBm)
3	QPSK	1	0	21.94	21.74	21.73	23.00
3	QPSK	1	8	21.72	22.08	21.67	23.00
3	QPSK	1	14	21.78	21.98	21.56	23.00
3	QPSK	8	0	20.84	21.02	20.70	22.00
3	QPSK	8	4	20.65	20.81	20.56	22.00
3	QPSK	8	7	20.77	21.02	20.62	22.00
3	QPSK	15	0	20.79	21.01	20.52	22.00
3	16QAM	1	0	21.16	21.31	20.86	22.00
3	16QAM	1	8	21.10	21.30	20.93	22.00
3	16QAM	1	14	21.16	21.28	20.89	22.00
3	16QAM	8	0	19.82	19.96	19.57	21.00
3	16QAM	8	4	19.69	19.90	19.42	21.00
3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit
Frequency (MHz)				699.7	707.5	715.3	(dBm)
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00



1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

【LTE Band 12_Ant 4_ECI 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	22.07	22.18	21.84	23.00
10	QPSK	1	25	21.85	22.10	21.71	23.00
10	QPSK	1	49	21.84	22.08	21.69	23.00
10	QPSK	25	0	20.94	21.15	20.77	22.00
10	QPSK	25	12	20.73	20.94	20.57	22.00
10	QPSK	25	25	20.87	21.11	20.71	22.00
10	QPSK	50	0	20.86	21.05	20.66	22.00
10	16QAM	1	0	21.21	21.38	20.96	22.00
10	16QAM	1	25	21.23	21.36	20.96	22.00
10	16QAM	1	49	21.27	21.42	20.99	22.00
10	16QAM	25	0	19.92	20.05	19.66	21.00
10	16QAM	25	12	19.80	19.96	19.53	21.00
10	16QAM	25	25	19.89	20.09	19.76	21.00
10	16QAM	50	0	19.90	20.02	19.59	21.00
10	64QAM	1	0	20.10	20.27	19.91	21.00
10	64QAM	1	25	20.12	20.26	19.83	21.00
10	64QAM	1	49	20.16	20.28	19.88	21.00
10	64QAM	25	0	18.92	19.03	18.61	20.00
10	64QAM	25	12	18.83	18.94	18.55	20.00
10	64QAM	25	25	18.85	19.09	18.75	20.00
10	64QAM	50	0	18.93	19.07	18.76	20.00
10	256QAM	1	0	17.01	17.21	16.91	18.00
10	256QAM	1	25	17.11	17.24	16.94	18.00
10	256QAM	1	49	17.05	17.16	16.80	18.00
10	256QAM	25	0	16.93	17.06	16.77	18.00
10	256QAM	25	12	16.84	16.97	16.67	18.00
10	256QAM	25	25	16.99	17.09	16.69	18.00
10	256QAM	50	0	16.87	17.06	16.78	18.00
Channel				23035	23095	23115	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.05	21.88	21.80	23.00
5	QPSK	1	12	21.75	22.08	21.56	23.00
5	QPSK	1	24	21.77	22.05	21.58	23.00
5	QPSK	12	0	20.80	21.11	20.69	22.00
5	QPSK	12	7	20.66	20.88	20.45	22.00
5	QPSK	12	13	20.73	21.02	20.60	22.00
5	QPSK	25	0	20.73	21.04	20.64	22.00
5	16QAM	1	0	21.16	21.37	20.91	22.00
5	16QAM	1	12	21.18	21.31	20.81	22.00
5	16QAM	1	24	21.20	21.31	20.92	22.00
5	16QAM	12	0	19.89	20.00	19.53	21.00
5	16QAM	12	7	19.72	19.92	19.39	21.00
5	16QAM	12	13	19.75	20.02	19.74	21.00
5	16QAM	25	0	19.78	19.98	19.54	21.00
5	64QAM	1	0	19.95	20.21	19.81	21.00
5	64QAM	1	12	20.08	20.23	19.75	21.00



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5	64QAM	1	24	20.08	20.25	19.82	21.00
5	64QAM	12	0	18.91	18.98	18.57	20.00
5	64QAM	12	7	18.81	18.87	18.47	20.00
5	64QAM	12	13	18.72	19.04	18.60	20.00
5	64QAM	25	0	18.86	18.97	18.63	20.00
5	256QAM	1	0	16.95	17.06	16.83	18.00
5	256QAM	1	12	17.00	17.23	16.89	18.00
5	256QAM	1	24	16.92	17.01	16.77	18.00
5	256QAM	12	0	16.79	16.93	16.76	18.00
5	256QAM	12	7	16.80	16.85	16.56	18.00
5	256QAM	12	13	16.94	16.95	16.63	18.00
5	256QAM	25	0	16.82	16.94	16.70	18.00
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	21.94	21.74	21.73	23.00
3	QPSK	1	8	21.72	22.08	21.67	23.00
3	QPSK	1	14	21.78	21.98	21.56	23.00
3	QPSK	8	0	20.84	21.02	20.70	22.00
3	QPSK	8	4	20.65	20.81	20.56	22.00
3	QPSK	8	7	20.77	21.02	20.62	22.00
3	QPSK	15	0	20.79	21.01	20.52	22.00
3	16QAM	1	0	21.16	21.31	20.86	22.00
3	16QAM	1	8	21.10	21.30	20.93	22.00
3	16QAM	1	14	21.16	21.28	20.89	22.00
3	16QAM	8	0	19.82	19.96	19.57	21.00
3	16QAM	8	4	19.69	19.90	19.42	21.00
3	16QAM	8	7	19.81	20.03	19.75	21.00
3	16QAM	15	0	19.81	19.99	19.46	21.00
3	64QAM	1	0	20.03	20.14	19.82	21.00
3	64QAM	1	8	20.03	20.14	19.71	21.00
3	64QAM	1	14	20.12	20.24	19.80	21.00
3	64QAM	8	0	18.84	18.89	18.58	20.00
3	64QAM	8	4	18.81	18.82	18.53	20.00
3	64QAM	8	7	18.76	18.96	18.67	20.00
3	64QAM	15	0	18.90	19.00	18.64	20.00
3	256QAM	1	0	16.86	17.17	16.81	18.00
3	256QAM	1	8	16.97	17.15	16.89	18.00
3	256QAM	1	14	16.98	17.05	16.73	18.00
3	256QAM	8	0	16.82	16.96	16.74	18.00
3	256QAM	8	4	16.72	16.89	16.60	18.00
3	256QAM	8	7	16.97	17.00	16.59	18.00
3	256QAM	15	0	16.79	17.01	16.64	18.00
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	21.97	21.95	21.74	23.00
1.4	QPSK	1	3	21.75	22.08	21.62	23.00
1.4	QPSK	1	5	21.73	21.99	21.66	23.00
1.4	QPSK	3	0	21.83	22.02	21.74	23.00
1.4	QPSK	3	1	21.64	21.83	21.54	23.00
1.4	QPSK	3	3	21.82	22.09	21.63	23.00
1.4	QPSK	6	0	20.78	20.95	20.64	22.00
1.4	16QAM	1	0	21.06	21.25	20.86	22.00
1.4	16QAM	1	3	21.13	21.24	20.89	22.00
1.4	16QAM	1	5	21.25	21.29	20.84	22.00
1.4	16QAM	3	0	20.91	20.97	20.52	22.00
1.4	16QAM	3	1	20.69	20.87	20.46	22.00
1.4	16QAM	3	3	20.82	20.98	20.65	22.00
1.4	16QAM	6	0	19.78	19.96	19.45	21.00
1.4	64QAM	1	0	20.00	20.21	19.79	21.00
1.4	64QAM	1	3	19.97	20.12	19.76	21.00
1.4	64QAM	1	5	20.06	20.16	19.85	21.00
1.4	64QAM	3	0	19.81	19.93	19.47	21.00
1.4	64QAM	3	1	19.69	19.80	19.47	21.00
1.4	64QAM	3	3	19.82	20.06	19.67	21.00
1.4	64QAM	6	0	18.80	18.97	18.67	20.00
1.4	256QAM	1	0	16.94	17.16	16.88	18.00
1.4	256QAM	1	3	17.03	17.22	16.80	18.00
1.4	256QAM	1	5	16.95	17.04	16.76	18.00
1.4	256QAM	3	0	16.90	16.93	16.72	18.00
1.4	256QAM	3	1	16.83	16.84	16.59	18.00
1.4	256QAM	3	3	16.85	16.95	16.59	18.00
1.4	256QAM	6	0	16.83	16.95	16.72	18.00

**【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		22.39		24.00
10	QPSK	1	25		22.28		24.00
10	QPSK	1	49		22.26		24.00
10	QPSK	25	0		21.39		23.00
10	QPSK	25	12		21.27		23.00
10	QPSK	25	25		21.33		23.00
10	QPSK	50	0		21.31		23.00
10	16QAM	1	0		21.63		23.00
10	16QAM	1	25		21.57		23.00
10	16QAM	1	49		21.56		23.00
10	16QAM	25	0		20.31		22.00
10	16QAM	25	12		20.32		22.00
10	16QAM	25	25		20.30		22.00
10	16QAM	50	0		20.28		22.00
10	64QAM	1	0		20.52		22.00
10	64QAM	1	25		20.51		22.00
10	64QAM	1	49		20.44		22.00
10	64QAM	25	0		19.26		21.00
10	64QAM	25	12		19.27		21.00
10	64QAM	25	25		19.26		21.00
10	64QAM	50	0		19.29		21.00
10	256QAM	1	0		17.45		19.00
10	256QAM	1	25		17.46		19.00
10	256QAM	1	49		17.38		19.00
10	256QAM	25	0		17.31		19.00
10	256QAM	25	12		17.28		19.00
10	256QAM	25	25		17.29		19.00
10	256QAM	50	0		17.32		19.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	22.28	22.37	22.21	24.00
5	QPSK	1	12	22.11	22.25	22.07	24.00
5	QPSK	1	24	22.00	22.11	22.01	24.00
5	QPSK	12	0	21.03	21.22	21.00	23.00
5	QPSK	12	7	21.06	21.21	21.00	23.00
5	QPSK	12	13	21.02	21.12	21.01	23.00
5	QPSK	25	0	21.16	21.31	21.10	23.00
5	16QAM	1	0	21.43	21.64	21.42	23.00
5	16QAM	1	12	21.25	21.38	21.16	23.00
5	16QAM	1	24	21.36	21.50	21.29	23.00
5	16QAM	12	0	20.03	20.20	20.03	22.00
5	16QAM	12	7	20.18	20.31	20.10	22.00
5	16QAM	12	13	20.08	20.27	20.00	22.00
5	16QAM	25	0	20.07	20.26	20.10	22.00
5	64QAM	1	0	20.24	20.47	20.19	22.00
5	64QAM	1	12	20.18	20.39	20.17	22.00
5	64QAM	1	24	20.21	20.44	20.26	22.00
5	64QAM	12	0	19.00	19.16	19.00	21.00
5	64QAM	12	7	19.00	19.10	19.00	21.00
5	64QAM	12	13	19.01	19.05	19.00	21.00
5	64QAM	25	0	19.11	19.26	19.02	21.00
5	256QAM	1	0	17.26	17.43	17.23	19.00
5	256QAM	1	12	17.33	17.47	17.21	19.00
5	256QAM	1	24	17.19	17.33	17.14	19.00
5	256QAM	12	0	17.16	17.29	17.11	19.00
5	256QAM	12	7	17.12	17.24	17.04	19.00
5	256QAM	12	13	17.00	17.13	17.00	19.00
5	256QAM	25	0	17.11	17.24	17.10	19.00