

**Appendix E. Output Power Measurement****<GSM Conducted Power>****【GSM1900_Ant 3_DSI 2】**

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.15	29.37	29.23	30.50	20.15	20.37	20.23	21.50
GPRS 1 Tx slot	29.12	29.35	29.22	30.50	20.12	20.35	20.22	21.50
GPRS 2 Tx slots	27.03	27.00	26.97	28.00	21.03	21.00	20.97	22.00
GPRS 3 Tx slots	25.04	25.36	25.00	26.50	20.78	21.10	20.74	22.24
GPRS 4 Tx slots	23.43	23.87	23.44	25.00	20.43	20.87	20.44	22.00
EDGE 1 Tx slot	23.99	23.98	23.87	25.00	14.99	14.98	14.87	16.00
EDGE 2 Tx slots	23.84	23.87	23.70	25.00	17.84	17.87	17.70	19.00
EDGE 3 Tx slots	22.83	22.88	22.93	24.00	18.57	18.62	18.67	19.74
EDGE 4 Tx slots	21.01	21.00	21.18	22.00	18.01	18.00	18.18	19.00

【GSM1900_Ant 3_DSI 3】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.49	27.55	27.46	28.20	18.49	18.55	18.46	19.20
GPRS 1 Tx slot	27.48	27.54	27.44	28.20	18.48	18.54	18.44	19.20
GPRS 2 Tx slots	24.59	24.47	24.36	25.20	18.59	18.47	18.36	19.20
GPRS 3 Tx slots	22.74	22.81	22.68	23.70	18.48	18.55	18.42	19.44
GPRS 4 Tx slots	21.36	21.42	21.35	22.20	18.36	18.42	18.35	19.20
EDGE 1 Tx slot	22.69	22.73	22.63	23.60	13.69	13.73	13.63	14.60
EDGE 2 Tx slots	21.54	21.56	21.54	22.60	15.54	15.56	15.54	16.60
EDGE 3 Tx slots	20.62	20.73	20.33	21.60	16.36	16.47	16.07	17.34
EDGE 4 Tx slots	18.70	18.85	18.33	19.60	15.70	15.85	15.33	16.60

【GSM1900_Ant 3_DSI 6】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.15	29.37	29.23	30.50	20.15	20.37	20.23	21.50
GPRS 1 Tx slot	29.12	29.35	29.22	30.50	20.12	20.35	20.22	21.50
GPRS 2 Tx slots	27.03	27.00	26.97	28.00	21.03	21.00	20.97	22.00
GPRS 3 Tx slots	25.04	25.36	25.00	26.50	20.78	21.10	20.74	22.24
GPRS 4 Tx slots	23.43	23.87	23.44	25.00	20.43	20.87	20.44	22.00
EDGE 1 Tx slot	23.99	23.98	23.87	25.00	14.99	14.98	14.87	16.00
EDGE 2 Tx slots	23.84	23.87	23.70	25.00	17.84	17.87	17.70	19.00
EDGE 3 Tx slots	22.83	22.88	22.93	24.00	18.57	18.62	18.67	19.74
EDGE 4 Tx slots	21.01	21.00	21.18	22.00	18.01	18.00	18.18	19.00

【GSM1900_Ant 3_DSI 12】

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	23.25	23.31	23.20	25.10	14.25	14.31	14.20	16.10
GPRS 1 Tx slot	23.29	23.36	23.30	25.10	14.29	14.36	14.30	16.10
GPRS 2 Tx slots	20.19	20.25	20.17	22.10	14.19	14.25	14.17	16.10
GPRS 3 Tx slots	18.74	18.78	18.70	20.30	14.48	14.52	14.44	16.04
GPRS 4 Tx slots	17.62	17.70	17.57	19.10	14.62	14.70	14.57	16.10
EDGE 1 Tx slot	23.46	23.50	23.46	24.60	14.46	14.50	14.46	15.60
EDGE 2 Tx slots	20.13	20.20	20.13	21.60	14.13	14.20	14.13	15.60
EDGE 3 Tx slots	18.08	18.20	18.08	19.90	13.82	13.94	13.82	15.64
EDGE 4 Tx slots	17.06	17.20	17.10	18.60	14.06	14.20	14.10	15.60

【GSM1900_Ant 3_DSI 7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.49	27.55	27.46	27.90	18.49	18.55	18.46	18.90
GPRS 1 Tx slot	27.48	27.54	27.44	27.90	18.48	18.54	18.44	18.90
GPRS 2 Tx slots	24.59	24.47	24.36	24.90	18.59	18.47	18.36	18.90
GPRS 3 Tx slots	22.74	22.81	22.68	23.40	18.48	18.55	18.42	19.14
GPRS 4 Tx slots	21.36	21.42	21.35	21.90	18.36	18.42	18.35	18.90
EDGE 1 Tx slot	22.69	22.73	22.63	23.30	13.69	13.73	13.63	14.30
EDGE 2 Tx slots	21.54	21.56	21.54	22.30	15.54	15.56	15.54	16.30
EDGE 3 Tx slots	20.62	20.73	20.33	21.30	16.36	16.47	16.07	17.04
EDGE 4 Tx slots	18.70	18.85	18.33	19.30	15.70	15.85	15.33	16.30

【GSM1900_Ant 3_DSI 4】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.15	29.37	29.23	30.50	20.15	20.37	20.23	21.50
GPRS 1 Tx slot	29.12	29.35	29.22	30.50	20.12	20.35	20.22	21.50
GPRS 2 Tx slots	27.03	27.00	26.97	28.00	21.03	21.00	20.97	22.00
GPRS 3 Tx slots	25.04	25.36	25.00	26.50	20.78	21.10	20.74	22.24
GPRS 4 Tx slots	23.43	23.87	23.44	25.00	20.43	20.87	20.44	22.00
EDGE 1 Tx slot	23.99	23.98	23.87	25.00	14.99	14.98	14.87	16.00
EDGE 2 Tx slots	23.84	23.87	23.70	25.00	17.84	17.87	17.70	19.00
EDGE 3 Tx slots	22.83	22.88	22.93	24.00	18.57	18.62	18.67	19.74
EDGE 4 Tx slots	21.01	21.00	21.18	22.00	18.01	18.00	18.18	19.00

【GSM1900_Ant 3_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	29.15	29.37	29.23	30.50	20.15	20.37	20.23	21.50
GPRS 1 Tx slot	29.12	29.35	29.22	30.50	20.12	20.35	20.22	21.50
GPRS 2 Tx slots	27.03	27.00	26.97	28.00	21.03	21.00	20.97	22.00
GPRS 3 Tx slots	25.04	25.36	25.00	26.50	20.78	21.10	20.74	22.24
GPRS 4 Tx slots	23.43	23.87	23.44	25.00	20.43	20.87	20.44	22.00
EDGE 1 Tx slot	23.99	23.98	23.87	25.00	14.99	14.98	14.87	16.00
EDGE 2 Tx slots	23.84	23.87	23.70	25.00	17.84	17.87	17.70	19.00
EDGE 3 Tx slots	22.83	22.88	22.93	24.00	18.57	18.62	18.67	19.74
EDGE 4 Tx slots	21.01	21.00	21.18	22.00	18.01	18.00	18.18	19.00

【GSM1900_Ant 4_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	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

【GSM1900_Ant 4_DSI 2】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

【GSM1900_Ant 4_DSI 3】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

【GSM1900_Ant 4_DSI 6】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

【GSM1900_Ant 4_DSI 12】

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	23.57	23.65	23.53	25.10	14.57	14.65	14.53	16.10
GPRS 1 Tx slot	23.55	23.70	23.61	25.10	14.55	14.70	14.61	16.10
GPRS 2 Tx slots	20.66	20.70	20.64	22.10	14.66	14.70	14.64	16.10
GPRS 3 Tx slots	18.63	18.70	18.64	20.30	14.37	14.44	14.38	16.04
GPRS 4 Tx slots	17.66	17.80	17.73	19.10	14.66	14.80	14.73	16.10
EDGE 1 Tx slot	22.99	23.10	23.01	24.60	13.99	14.10	14.01	15.60
EDGE 2 Tx slots	20.60	20.70	20.64	21.60	14.60	14.70	14.64	15.60
EDGE 3 Tx slots	18.82	18.87	18.83	19.90	14.56	14.61	14.57	15.64
EDGE 4 Tx slots	17.15	17.30	17.25	18.60	14.15	14.30	14.25	15.60

**【GSM1900_Ant 4_DSI 7】**

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

【GSM1900_Ant 4_DSI 4】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.05	28.16	28.07	29.00	19.05	19.16	19.07	20.00
GPRS 1 Tx slot	28.04	28.15	28.04	29.00	19.04	19.15	19.04	20.00
GPRS 2 Tx slots	25.67	25.74	25.64	26.50	19.67	19.74	19.64	20.50
GPRS 3 Tx slots	24.01	24.25	24.10	25.00	19.75	19.99	19.84	20.74
GPRS 4 Tx slots	22.27	22.66	22.46	23.50	19.27	19.66	19.46	20.50
EDGE 1 Tx slot	22.91	22.87	22.78	24.00	13.91	13.87	13.78	15.00
EDGE 2 Tx slots	22.80	22.79	22.61	24.00	16.80	16.79	16.61	18.00
EDGE 3 Tx slots	21.92	21.83	21.59	23.00	17.66	17.57	17.33	18.74
EDGE 4 Tx slots	20.06	19.97	19.69	21.00	17.06	16.97	16.69	18.00

GSM850_Ant 0_DSI 12		Burst Avg. Power (dBm)			Tune-up Limit (dBm)	Frame Avg. Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency(MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		27.51	27.56	27.41	28.40	18.51	18.56	18.41	19.40
GPRS 1 Tx slot		27.54	27.61	27.48	28.40	18.54	18.61	18.48	19.40
GPRS 2 Tx slots		24.13	24.16	24.15	25.40	18.13	18.16	18.15	19.40
GPRS 3 Tx slots		22.20	22.31	22.23	23.60	17.90	18.01	17.93	19.30
GPRS 4 Tx slots		21.05	21.16	21.03	22.40	18.05	18.16	18.03	19.40
EDGE 1 Tx slot		25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots		23.93	24.17	24.22	25.40	14.93	15.17	15.22	16.40
EDGE 3 Tx slots		22.23	22.55	22.45	23.70	16.23	16.55	16.45	17.70
EDGE 4 Tx slots		21.01	21.36	21.35	22.40	16.71	17.06	17.05	18.10

**<WCDMA Conducted Power>****【WCDMA II_Ant 3_DSI 2】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.96	20.98	20.97	21.70
3GPP Rel 99	RMC 12.2Kbps	21.02	21.06	20.98	21.70
3GPP Rel 6	HSDPA Subtest-1	20.01	20.17	20.06	20.70
3GPP Rel 6	HSDPA Subtest-2	20.08	20.10	20.00	20.70
3GPP Rel 6	HSDPA Subtest-3	19.59	19.67	19.45	20.20
3GPP Rel 6	HSDPA Subtest-4	19.55	19.54	19.39	20.20
3GPP Rel 8	DC-HSDPA Subtest-1	19.95	20.08	20.04	20.70
3GPP Rel 8	DC-HSDPA Subtest-2	19.92	20.06	20.08	20.70
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.65	19.46	20.20
3GPP Rel 8	DC-HSDPA Subtest-4	19.42	19.48	19.44	20.20
3GPP Rel 6	HSUPA Subtest-1	19.94	19.97	19.91	20.70
3GPP Rel 6	HSUPA Subtest-2	17.98	18.01	17.92	18.70
3GPP Rel 6	HSUPA Subtest-3	18.96	19.08	19.04	19.70
3GPP Rel 6	HSUPA Subtest-4	17.91	18.13	17.93	18.70
3GPP Rel 6	HSUPA Subtest-5	20.05	20.12	20.05	20.70

【WCDMA II_Ant 3_DSI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.48	17.53	17.50	19.20
3GPP Rel 99	RMC 12.2Kbps	17.51	17.55	17.53	19.20
3GPP Rel 6	HSDPA Subtest-1	16.53	16.58	16.47	18.20
3GPP Rel 6	HSDPA Subtest-2	16.51	16.52	16.32	18.20
3GPP Rel 6	HSDPA Subtest-3	16.04	15.96	15.90	17.70
3GPP Rel 6	HSDPA Subtest-4	16.02	15.99	16.01	17.70
3GPP Rel 8	DC-HSDPA Subtest-1	16.54	16.65	16.39	18.20
3GPP Rel 8	DC-HSDPA Subtest-2	16.43	16.64	16.49	18.20
3GPP Rel 8	DC-HSDPA Subtest-3	15.91	16.03	15.97	17.70
3GPP Rel 8	DC-HSDPA Subtest-4	15.89	16.02	16.02	17.70
3GPP Rel 6	HSUPA Subtest-1	16.34	16.60	16.36	18.20
3GPP Rel 6	HSUPA Subtest-2	14.49	14.60	14.46	16.20
3GPP Rel 6	HSUPA Subtest-3	15.34	15.60	15.46	17.20
3GPP Rel 6	HSUPA Subtest-4	14.53	14.65	14.44	16.20
3GPP Rel 6	HSUPA Subtest-5	16.45	16.56	16.34	18.20

【WCDMA II_Ant 3_DSI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.96	20.98	20.97	22.50
3GPP Rel 99	RMC 12.2Kbps	21.02	21.06	20.98	22.50
3GPP Rel 6	HSDPA Subtest-1	20.01	20.17	20.06	21.50
3GPP Rel 6	HSDPA Subtest-2	20.08	20.10	20.00	21.50
3GPP Rel 6	HSDPA Subtest-3	19.59	19.67	19.45	21.00
3GPP Rel 6	HSDPA Subtest-4	19.55	19.54	19.39	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.95	20.08	20.04	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.92	20.06	20.08	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.65	19.46	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.42	19.48	19.44	21.00
3GPP Rel 6	HSUPA Subtest-1	19.94	19.97	19.91	21.50
3GPP Rel 6	HSUPA Subtest-2	17.98	18.01	17.92	19.50
3GPP Rel 6	HSUPA Subtest-3	18.96	19.08	19.04	20.50
3GPP Rel 6	HSUPA Subtest-4	17.91	18.13	17.93	19.50
3GPP Rel 6	HSUPA Subtest-5	20.05	20.12	20.05	21.50

**【WCDMA II_Ant 3_DSI 12】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	13.93	13.94	13.98	15.60
3GPP Rel 99	RMC 12.2Kbps	13.86	13.99	13.96	15.60
3GPP Rel 6	HSDPA Subtest-1	12.82	13.01	12.93	14.60
3GPP Rel 6	HSDPA Subtest-2	12.85	13.08	12.73	14.60
3GPP Rel 6	HSDPA Subtest-3	12.28	12.49	12.45	14.10
3GPP Rel 6	HSDPA Subtest-4	12.29	12.28	12.39	14.10
3GPP Rel 8	DC-HSDPA Subtest-1	12.69	12.86	12.70	14.60
3GPP Rel 8	DC-HSDPA Subtest-2	12.64	12.69	12.88	14.60
3GPP Rel 8	DC-HSDPA Subtest-3	12.21	12.31	12.19	14.10
3GPP Rel 8	DC-HSDPA Subtest-4	12.15	12.35	12.29	14.10
3GPP Rel 6	HSUPA Subtest-1	12.65	12.82	12.75	14.60
3GPP Rel 6	HSUPA Subtest-2	10.98	11.00	10.91	12.60
3GPP Rel 6	HSUPA Subtest-3	11.88	11.92	12.04	13.60
3GPP Rel 6	HSUPA Subtest-4	10.81	10.90	10.90	12.60
3GPP Rel 6	HSUPA Subtest-5	12.76	12.86	12.81	14.60

【WCDMA II_Ant 3_DSI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.48	17.53	17.50	19.20
3GPP Rel 99	RMC 12.2Kbps	17.51	17.55	17.53	19.20
3GPP Rel 6	HSDPA Subtest-1	16.53	16.58	16.47	18.20
3GPP Rel 6	HSDPA Subtest-2	16.51	16.52	16.32	18.20
3GPP Rel 6	HSDPA Subtest-3	16.04	15.96	15.90	17.70
3GPP Rel 6	HSDPA Subtest-4	16.02	15.99	16.01	17.70
3GPP Rel 8	DC-HSDPA Subtest-1	16.54	16.65	16.39	18.20
3GPP Rel 8	DC-HSDPA Subtest-2	16.43	16.64	16.49	18.20
3GPP Rel 8	DC-HSDPA Subtest-3	15.91	16.03	15.97	17.70
3GPP Rel 8	DC-HSDPA Subtest-4	15.89	16.02	16.02	17.70
3GPP Rel 6	HSUPA Subtest-1	16.34	16.60	16.36	18.20
3GPP Rel 6	HSUPA Subtest-2	14.49	14.60	14.46	16.20
3GPP Rel 6	HSUPA Subtest-3	15.34	15.60	15.46	17.20
3GPP Rel 6	HSUPA Subtest-4	14.53	14.65	14.44	16.20
3GPP Rel 6	HSUPA Subtest-5	16.45	16.56	16.34	18.20

【WCDMA II_Ant 3_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.74	23.72	24.00
3GPP Rel 99	RMC 12.2Kbps	23.70	23.76	23.74	24.00
3GPP Rel 6	HSDPA Subtest-1	22.56	22.77	22.74	23.00
3GPP Rel 6	HSDPA Subtest-2	22.61	22.82	22.57	23.00
3GPP Rel 6	HSDPA Subtest-3	22.06	22.28	22.26	22.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.11	22.17	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.48	22.63	22.54	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.43	22.52	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.01	22.16	22.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	22.13	22.10	22.50
3GPP Rel 6	HSUPA Subtest-1	22.42	22.66	22.55	23.00
3GPP Rel 6	HSUPA Subtest-2	20.77	20.83	20.73	21.00
3GPP Rel 6	HSUPA Subtest-3	21.71	21.67	21.82	22.00
3GPP Rel 6	HSUPA Subtest-4	20.59	20.72	20.66	21.00
3GPP Rel 6	HSUPA Subtest-5	22.56	22.66	22.64	23.00



【WCDMA II_Ant 3_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.69	23.74	23.72	24.00
3GPP Rel 99	RMC 12.2Kbps	23.70	23.76	23.74	24.00
3GPP Rel 6	HSDPA Subtest-1	22.56	22.77	22.74	23.00
3GPP Rel 6	HSDPA Subtest-2	22.61	22.82	22.57	23.00
3GPP Rel 6	HSDPA Subtest-3	22.06	22.28	22.26	22.50
3GPP Rel 6	HSDPA Subtest-4	22.06	22.11	22.17	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.48	22.63	22.54	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.43	22.52	22.70	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.01	22.16	22.00	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	22.13	22.10	22.50
3GPP Rel 6	HSUPA Subtest-1	22.42	22.66	22.55	23.00
3GPP Rel 6	HSUPA Subtest-2	20.77	20.83	20.73	21.00
3GPP Rel 6	HSUPA Subtest-3	21.71	21.67	21.82	22.00
3GPP Rel 6	HSUPA Subtest-4	20.59	20.72	20.66	21.00
3GPP Rel 6	HSUPA Subtest-5	22.56	22.66	22.64	23.00

【WCDMA II_Ant 4_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.60	22.73	22.65	24.00
3GPP Rel 99	RMC 12.2Kbps	22.62	22.74	22.67	24.00
3GPP Rel 6	HSDPA Subtest-1	21.61	21.64	21.42	23.00
3GPP Rel 6	HSDPA Subtest-2	21.43	21.63	21.52	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.29	21.09	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.25	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.61	21.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.64	21.50	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.18	21.22	20.96	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	21.21	20.81	22.50
3GPP Rel 6	HSUPA Subtest-1	21.52	21.71	21.44	23.00
3GPP Rel 6	HSUPA Subtest-2	19.41	19.56	19.37	21.00
3GPP Rel 6	HSUPA Subtest-3	20.38	20.73	20.61	22.00
3GPP Rel 6	HSUPA Subtest-4	19.35	19.63	19.37	21.00
3GPP Rel 6	HSUPA Subtest-5	21.46	21.68	21.42	23.00

【WCDMA II_Ant 4_DSI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.60	22.73	22.65	24.00
3GPP Rel 99	RMC 12.2Kbps	22.62	22.74	22.67	24.00
3GPP Rel 6	HSDPA Subtest-1	21.61	21.64	21.42	23.00
3GPP Rel 6	HSDPA Subtest-2	21.43	21.63	21.52	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.29	21.09	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.25	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.61	21.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.64	21.50	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.18	21.22	20.96	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	21.21	20.81	22.50
3GPP Rel 6	HSUPA Subtest-1	21.52	21.71	21.44	23.00
3GPP Rel 6	HSUPA Subtest-2	19.41	19.56	19.37	21.00
3GPP Rel 6	HSUPA Subtest-3	20.38	20.73	20.61	22.00
3GPP Rel 6	HSUPA Subtest-4	19.35	19.63	19.37	21.00
3GPP Rel 6	HSUPA Subtest-5	21.46	21.68	21.42	23.00

**【WCDMA II_Ant 4_DSI 3】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.04	22.16	22.05	22.70
3GPP Rel 99	RMC 12.2Kbps	22.07	22.17	22.16	22.70
3GPP Rel 6	HSDPA Subtest-1	21.22	21.18	21.08	21.70
3GPP Rel 6	HSDPA Subtest-2	21.23	20.99	20.99	21.70
3GPP Rel 6	HSDPA Subtest-3	20.60	20.63	20.48	21.20
3GPP Rel 6	HSDPA Subtest-4	20.49	20.66	20.57	21.20
3GPP Rel 8	DC-HSDPA Subtest-1	21.00	21.19	21.16	21.70
3GPP Rel 8	DC-HSDPA Subtest-2	21.04	21.06	21.00	21.70
3GPP Rel 8	DC-HSDPA Subtest-3	20.68	20.73	20.63	21.20
3GPP Rel 8	DC-HSDPA Subtest-4	20.60	20.63	20.42	21.20
3GPP Rel 6	HSUPA Subtest-1	21.19	21.10	21.01	21.70
3GPP Rel 6	HSUPA Subtest-2	19.06	19.05	19.05	19.70
3GPP Rel 6	HSUPA Subtest-3	20.10	20.14	20.06	20.70
3GPP Rel 6	HSUPA Subtest-4	19.11	19.05	19.17	19.70
3GPP Rel 6	HSUPA Subtest-5	21.01	21.08	20.91	21.70

【WCDMA II_Ant 4_DSI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.60	22.73	22.65	24.00
3GPP Rel 99	RMC 12.2Kbps	22.62	22.74	22.67	24.00
3GPP Rel 6	HSDPA Subtest-1	21.61	21.64	21.42	23.00
3GPP Rel 6	HSDPA Subtest-2	21.43	21.63	21.52	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.29	21.09	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.25	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.61	21.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.64	21.50	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.18	21.22	20.96	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	21.21	20.81	22.50
3GPP Rel 6	HSUPA Subtest-1	21.52	21.71	21.44	23.00
3GPP Rel 6	HSUPA Subtest-2	19.41	19.56	19.37	21.00
3GPP Rel 6	HSUPA Subtest-3	20.38	20.73	20.61	22.00
3GPP Rel 6	HSUPA Subtest-4	19.35	19.63	19.37	21.00
3GPP Rel 6	HSUPA Subtest-5	21.46	21.68	21.42	23.00

【WCDMA II_Ant 4_DSI 12】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	14.23	14.23	14.21	16.00
3GPP Rel 99	RMC 12.2Kbps	14.27	14.28	14.24	16.00
3GPP Rel 6	HSDPA Subtest-1	13.07	13.36	13.25	15.00
3GPP Rel 6	HSDPA Subtest-2	13.13	13.38	13.11	15.00
3GPP Rel 6	HSDPA Subtest-3	12.59	12.89	12.82	14.50
3GPP Rel 6	HSDPA Subtest-4	12.59	12.72	12.71	14.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.05	13.18	13.06	15.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.02	13.11	13.32	15.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.55	12.72	12.52	14.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.75	12.70	12.66	14.50
3GPP Rel 6	HSUPA Subtest-1	13.01	13.18	13.16	15.00
3GPP Rel 6	HSUPA Subtest-2	11.34	11.37	11.27	13.00
3GPP Rel 6	HSUPA Subtest-3	12.24	12.26	12.42	14.00
3GPP Rel 6	HSUPA Subtest-4	11.12	11.28	11.25	13.00
3GPP Rel 6	HSUPA Subtest-5	13.18	13.26	13.21	15.00



【WCDMA II_Ant 4_DSI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.04	22.16	22.05	22.70
3GPP Rel 99	RMC 12.2Kbps	22.07	22.17	22.16	22.70
3GPP Rel 6	HSDPA Subtest-1	21.22	21.18	21.08	21.70
3GPP Rel 6	HSDPA Subtest-2	21.23	20.99	20.99	21.70
3GPP Rel 6	HSDPA Subtest-3	20.60	20.63	20.48	21.20
3GPP Rel 6	HSDPA Subtest-4	20.49	20.66	20.57	21.20
3GPP Rel 8	DC-HSDPA Subtest-1	21.00	21.19	21.16	21.70
3GPP Rel 8	DC-HSDPA Subtest-2	21.04	21.06	21.00	21.70
3GPP Rel 8	DC-HSDPA Subtest-3	20.68	20.73	20.63	21.20
3GPP Rel 8	DC-HSDPA Subtest-4	20.60	20.63	20.42	21.20
3GPP Rel 6	HSUPA Subtest-1	21.19	21.10	21.01	21.70
3GPP Rel 6	HSUPA Subtest-2	19.06	19.05	19.05	19.70
3GPP Rel 6	HSUPA Subtest-3	20.10	20.14	20.06	20.70
3GPP Rel 6	HSUPA Subtest-4	19.11	19.05	19.17	19.70
3GPP Rel 6	HSUPA Subtest-5	21.01	21.08	20.91	21.70

【WCDMA II_Ant 4_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.60	22.73	22.65	24.00
3GPP Rel 99	RMC 12.2Kbps	22.62	22.74	22.67	24.00
3GPP Rel 6	HSDPA Subtest-1	21.61	21.64	21.42	23.00
3GPP Rel 6	HSDPA Subtest-2	21.43	21.63	21.52	23.00
3GPP Rel 6	HSDPA Subtest-3	21.10	21.29	21.09	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.25	21.04	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.61	21.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.64	21.50	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.18	21.22	20.96	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	21.21	20.81	22.50
3GPP Rel 6	HSUPA Subtest-1	21.52	21.71	21.44	23.00
3GPP Rel 6	HSUPA Subtest-2	19.41	19.56	19.37	21.00
3GPP Rel 6	HSUPA Subtest-3	20.38	20.73	20.61	22.00
3GPP Rel 6	HSUPA Subtest-4	19.35	19.63	19.37	21.00
3GPP Rel 6	HSUPA Subtest-5	21.46	21.68	21.42	23.00

【WCDMA IV_Ant 3_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	23.66	23.74	23.71	24.00
3GPP Rel 99	RMC 12.2Kbps	23.67	23.75	23.73	24.00
3GPP Rel 6	HSDPA Subtest-1	22.64	22.68	22.61	23.00
3GPP Rel 6	HSDPA Subtest-2	22.59	22.60	22.58	23.00
3GPP Rel 6	HSDPA Subtest-3	22.11	22.19	22.26	22.50
3GPP Rel 6	HSDPA Subtest-4	22.15	22.18	22.27	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.67	22.76	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.44	22.62	22.51	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.19	22.19	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.97	22.22	22.18	22.50
3GPP Rel 6	HSUPA Subtest-1	22.44	22.74	22.73	23.00
3GPP Rel 6	HSUPA Subtest-2	20.74	20.70	20.81	21.00
3GPP Rel 6	HSUPA Subtest-3	21.66	21.79	21.83	22.00
3GPP Rel 6	HSUPA Subtest-4	20.67	20.77	20.71	21.00
3GPP Rel 6	HSUPA Subtest-5	22.59	22.73	22.63	23.00

**【WCDMA IV_Ant 3_DSI 2】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.47	19.51	19.58	20.00
3GPP Rel 99	RMC 12.2Kbps	19.52	19.57	19.56	20.00
3GPP Rel 6	HSDPA Subtest-1	18.48	18.49	18.52	19.00
3GPP Rel 6	HSDPA Subtest-2	18.36	18.64	18.58	19.00
3GPP Rel 6	HSDPA Subtest-3	17.96	17.97	17.99	18.50
3GPP Rel 6	HSDPA Subtest-4	17.96	17.95	18.04	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.38	18.69	18.59	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.50	18.55	18.48	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.91	18.10	18.13	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.87	18.09	17.82	18.50
3GPP Rel 6	HSUPA Subtest-1	18.64	18.62	18.49	19.00
3GPP Rel 6	HSUPA Subtest-2	16.50	16.68	16.49	17.00
3GPP Rel 6	HSUPA Subtest-3	17.57	17.50	17.52	18.00
3GPP Rel 6	HSUPA Subtest-4	16.39	16.60	16.45	17.00
3GPP Rel 6	HSUPA Subtest-5	18.49	18.60	18.55	19.00

【WCDMA IV_Ant 3_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.97	19.06	19.01	20.90
3GPP Rel 99	RMC 12.2Kbps	18.98	19.09	19.03	20.90
3GPP Rel 6	HSDPA Subtest-1	17.93	18.15	18.01	19.90
3GPP Rel 6	HSDPA Subtest-2	18.00	17.98	18.03	19.90
3GPP Rel 6	HSDPA Subtest-3	17.60	17.56	17.58	19.40
3GPP Rel 6	HSDPA Subtest-4	17.65	17.61	17.41	19.40
3GPP Rel 8	DC-HSDPA Subtest-1	18.03	18.19	18.02	19.90
3GPP Rel 8	DC-HSDPA Subtest-2	18.00	18.20	17.98	19.90
3GPP Rel 8	DC-HSDPA Subtest-3	17.47	17.54	17.44	19.40
3GPP Rel 8	DC-HSDPA Subtest-4	17.57	17.49	17.60	19.40
3GPP Rel 6	HSUPA Subtest-1	17.98	18.08	18.10	19.90
3GPP Rel 6	HSUPA Subtest-2	16.08	15.99	15.90	17.90
3GPP Rel 6	HSUPA Subtest-3	16.96	17.08	17.03	18.90
3GPP Rel 6	HSUPA Subtest-4	16.05	16.05	15.92	17.90
3GPP Rel 6	HSUPA Subtest-5	17.97	18.13	18.04	19.90

【WCDMA IV_Ant 3_DSI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.66	19.67	19.72	21.00
3GPP Rel 99	RMC 12.2Kbps	19.64	19.73	19.71	21.00
3GPP Rel 6	HSDPA Subtest-1	18.62	18.65	18.65	20.00
3GPP Rel 6	HSDPA Subtest-2	18.61	18.69	18.62	20.00
3GPP Rel 6	HSDPA Subtest-3	18.13	18.13	18.23	19.50
3GPP Rel 6	HSDPA Subtest-4	18.11	18.11	18.18	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.64	18.66	18.75	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.61	18.64	18.69	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.19	18.23	18.12	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.25	18.24	18.26	19.50
3GPP Rel 6	HSUPA Subtest-1	18.66	18.83	18.75	20.00
3GPP Rel 6	HSUPA Subtest-2	16.74	16.65	16.81	18.00
3GPP Rel 6	HSUPA Subtest-3	17.68	17.74	17.70	19.00
3GPP Rel 6	HSUPA Subtest-4	16.60	16.68	16.63	18.00
3GPP Rel 6	HSUPA Subtest-5	18.64	18.75	18.62	20.00

**【WCDMA IV_Ant 3_DSI 12】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	13.86	13.81	13.84	15.10
3GPP Rel 99	RMC 12.2Kbps	13.86	13.89	13.86	15.10
3GPP Rel 6	HSDPA Subtest-1	12.69	12.93	12.87	14.10
3GPP Rel 6	HSDPA Subtest-2	12.81	13.02	12.76	14.10
3GPP Rel 6	HSDPA Subtest-3	12.28	12.44	12.39	13.60
3GPP Rel 6	HSDPA Subtest-4	12.17	12.24	12.32	13.60
3GPP Rel 8	DC-HSDPA Subtest-1	12.66	12.78	12.65	14.10
3GPP Rel 8	DC-HSDPA Subtest-2	12.61	12.69	12.84	14.10
3GPP Rel 8	DC-HSDPA Subtest-3	12.13	12.38	12.18	13.60
3GPP Rel 8	DC-HSDPA Subtest-4	12.07	12.27	12.20	13.60
3GPP Rel 6	HSUPA Subtest-1	12.59	12.81	12.74	14.10
3GPP Rel 6	HSUPA Subtest-2	10.88	10.96	10.88	12.10
3GPP Rel 6	HSUPA Subtest-3	11.82	11.86	12.03	13.10
3GPP Rel 6	HSUPA Subtest-4	10.80	10.86	10.81	12.10
3GPP Rel 6	HSUPA Subtest-5	12.75	12.79	12.78	14.10

【WCDMA IV_Ant 3_DSI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.97	19.06	19.01	20.00
3GPP Rel 99	RMC 12.2Kbps	18.98	19.09	19.03	20.00
3GPP Rel 6	HSDPA Subtest-1	17.93	18.15	18.01	19.00
3GPP Rel 6	HSDPA Subtest-2	18.00	17.98	18.03	19.00
3GPP Rel 6	HSDPA Subtest-3	17.60	17.56	17.58	18.50
3GPP Rel 6	HSDPA Subtest-4	17.39	17.61	17.41	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.03	18.19	18.02	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.00	18.20	17.98	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.47	17.54	17.44	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.57	17.49	17.60	18.50
3GPP Rel 6	HSUPA Subtest-1	17.98	18.08	18.10	19.00
3GPP Rel 6	HSUPA Subtest-2	16.08	15.99	15.90	17.00
3GPP Rel 6	HSUPA Subtest-3	16.96	17.08	17.03	18.00
3GPP Rel 6	HSUPA Subtest-4	16.05	16.05	15.92	17.00
3GPP Rel 6	HSUPA Subtest-5	17.97	18.13	18.04	19.00

【WCDMA IV_Ant 3_DSI 4】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.66	23.74	23.71	24.00
3GPP Rel 99	RMC 12.2Kbps	23.67	23.75	23.73	24.00
3GPP Rel 6	HSDPA Subtest-1	22.64	22.68	22.61	23.00
3GPP Rel 6	HSDPA Subtest-2	22.59	22.60	22.58	23.00
3GPP Rel 6	HSDPA Subtest-3	22.11	22.19	22.26	22.50
3GPP Rel 6	HSDPA Subtest-4	22.15	22.18	22.27	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.56	22.67	22.76	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.44	22.62	22.51	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.19	22.19	21.94	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.97	22.22	22.18	22.50
3GPP Rel 6	HSUPA Subtest-1	22.44	22.74	22.73	23.00
3GPP Rel 6	HSUPA Subtest-2	20.74	20.70	20.81	21.00
3GPP Rel 6	HSUPA Subtest-3	21.66	21.79	21.83	22.00
3GPP Rel 6	HSUPA Subtest-4	20.67	20.77	20.71	21.00
3GPP Rel 6	HSUPA Subtest-5	22.59	22.73	22.63	23.00

**【WCDMA IV_Ant 4_Full Power】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.72	22.75	22.70	24.00
3GPP Rel 99	RMC 12.2Kbps	22.73	22.76	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	21.47	21.57	21.51	23.00
3GPP Rel 6	HSDPA Subtest-2	21.51	21.59	21.40	23.00
3GPP Rel 6	HSDPA Subtest-3	21.05	21.26	21.05	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.16	20.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.63	21.76	21.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.39	21.67	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.22	20.93	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.03	21.20	20.96	22.50
3GPP Rel 6	HSUPA Subtest-1	21.43	21.67	21.37	23.00
3GPP Rel 6	HSUPA Subtest-2	19.44	19.64	19.40	21.00
3GPP Rel 6	HSUPA Subtest-3	20.60	20.54	20.50	22.00
3GPP Rel 6	HSUPA Subtest-4	19.30	19.64	19.45	21.00
3GPP Rel 6	HSUPA Subtest-5	21.57	21.57	21.55	23.00

【WCDMA IV_Ant 4_DSI 2】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.72	22.75	22.70	24.00
3GPP Rel 99	RMC 12.2Kbps	22.73	22.76	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	21.47	21.57	21.51	23.00
3GPP Rel 6	HSDPA Subtest-2	21.51	21.59	21.40	23.00
3GPP Rel 6	HSDPA Subtest-3	21.05	21.26	21.05	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.16	20.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.63	21.76	21.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.39	21.67	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.22	20.93	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.03	21.20	20.96	22.50
3GPP Rel 6	HSUPA Subtest-1	21.43	21.67	21.37	23.00
3GPP Rel 6	HSUPA Subtest-2	19.44	19.64	19.40	21.00
3GPP Rel 6	HSUPA Subtest-3	20.60	20.54	20.50	22.00
3GPP Rel 6	HSUPA Subtest-4	19.30	19.64	19.45	21.00
3GPP Rel 6	HSUPA Subtest-5	21.57	21.57	21.55	23.00

【WCDMA IV_Ant 4_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.06	21.12	21.09	22.20
3GPP Rel 99	RMC 12.2Kbps	21.11	21.16	21.13	22.20
3GPP Rel 6	HSDPA Subtest-1	20.08	20.21	19.89	21.20
3GPP Rel 6	HSDPA Subtest-2	20.05	20.19	19.98	21.20
3GPP Rel 6	HSDPA Subtest-3	19.60	19.57	19.41	20.70
3GPP Rel 6	HSDPA Subtest-4	19.53	19.50	19.52	20.70
3GPP Rel 8	DC-HSDPA Subtest-1	20.06	20.22	19.95	21.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.93	20.09	20.06	21.20
3GPP Rel 8	DC-HSDPA Subtest-3	19.42	19.58	19.54	20.70
3GPP Rel 8	DC-HSDPA Subtest-4	19.39	19.61	19.58	20.70
3GPP Rel 6	HSUPA Subtest-1	19.99	20.04	20.00	21.20
3GPP Rel 6	HSUPA Subtest-2	17.96	18.01	17.92	19.20
3GPP Rel 6	HSUPA Subtest-3	18.96	19.01	19.05	20.20
3GPP Rel 6	HSUPA Subtest-4	18.02	18.17	18.03	19.20
3GPP Rel 6	HSUPA Subtest-5	19.97	20.04	20.05	21.20



【WCDMA IV_Ant 4_DSI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.72	22.75	22.70	24.00
3GPP Rel 99	RMC 12.2Kbps	22.73	22.76	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	21.47	21.57	21.51	23.00
3GPP Rel 6	HSDPA Subtest-2	21.51	21.59	21.40	23.00
3GPP Rel 6	HSDPA Subtest-3	21.05	21.26	21.05	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.16	20.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.63	21.76	21.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.39	21.67	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.22	20.93	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.03	21.20	20.96	22.50
3GPP Rel 6	HSUPA Subtest-1	21.43	21.67	21.37	23.00
3GPP Rel 6	HSUPA Subtest-2	19.44	19.64	19.40	21.00
3GPP Rel 6	HSUPA Subtest-3	20.60	20.54	20.50	22.00
3GPP Rel 6	HSUPA Subtest-4	19.30	19.64	19.45	21.00
3GPP Rel 6	HSUPA Subtest-5	21.57	21.57	21.55	23.00

【WCDMA IV_Ant 4_DSI 12】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	14.30	14.36	14.43	16.00
3GPP Rel 99	RMC 12.2Kbps	14.33	14.46	14.43	16.00
3GPP Rel 6	HSDPA Subtest-1	13.24	13.39	13.38	15.00
3GPP Rel 6	HSDPA Subtest-2	13.24	13.50	13.21	15.00
3GPP Rel 6	HSDPA Subtest-3	12.72	12.98	12.88	14.50
3GPP Rel 6	HSDPA Subtest-4	12.70	12.74	12.80	14.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.15	13.26	13.20	15.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.15	13.16	13.39	15.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.67	12.79	12.60	14.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.56	12.84	12.78	14.50
3GPP Rel 6	HSUPA Subtest-1	13.04	13.27	13.21	15.00
3GPP Rel 6	HSUPA Subtest-2	11.42	11.54	11.34	13.00
3GPP Rel 6	HSUPA Subtest-3	12.33	12.35	12.47	14.00
3GPP Rel 6	HSUPA Subtest-4	11.30	11.41	11.28	13.00
3GPP Rel 6	HSUPA Subtest-5	13.21	13.34	13.34	15.00

【WCDMA IV_Ant 4_DSI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.06	21.12	21.09	22.20
3GPP Rel 99	RMC 12.2Kbps	21.11	21.16	21.13	22.20
3GPP Rel 6	HSDPA Subtest-1	20.08	20.21	19.89	21.20
3GPP Rel 6	HSDPA Subtest-2	20.05	20.19	19.98	21.20
3GPP Rel 6	HSDPA Subtest-3	19.60	19.57	19.41	20.70
3GPP Rel 6	HSDPA Subtest-4	19.53	19.50	19.52	20.70
3GPP Rel 8	DC-HSDPA Subtest-1	20.06	20.22	19.95	21.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.93	20.09	20.06	21.20
3GPP Rel 8	DC-HSDPA Subtest-3	19.42	19.58	19.54	20.70
3GPP Rel 8	DC-HSDPA Subtest-4	19.39	19.61	19.58	20.70
3GPP Rel 6	HSUPA Subtest-1	19.99	20.04	20.00	21.20
3GPP Rel 6	HSUPA Subtest-2	17.96	18.01	17.92	19.20
3GPP Rel 6	HSUPA Subtest-3	18.96	19.01	19.05	20.20
3GPP Rel 6	HSUPA Subtest-4	18.02	18.17	18.03	19.20
3GPP Rel 6	HSUPA Subtest-5	19.97	20.04	20.05	21.20



【WCDMA IV_Ant 4_DSI 4】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.72	22.75	22.70	24.00
3GPP Rel 99	RMC 12.2Kbps	22.73	22.76	22.72	24.00
3GPP Rel 6	HSDPA Subtest-1	21.47	21.57	21.51	23.00
3GPP Rel 6	HSDPA Subtest-2	21.51	21.59	21.40	23.00
3GPP Rel 6	HSDPA Subtest-3	21.05	21.26	21.05	22.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.16	20.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.63	21.76	21.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.39	21.67	21.48	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.22	20.93	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.03	21.20	20.96	22.50
3GPP Rel 6	HSUPA Subtest-1	21.43	21.67	21.37	23.00
3GPP Rel 6	HSUPA Subtest-2	19.44	19.64	19.40	21.00
3GPP Rel 6	HSUPA Subtest-3	20.60	20.54	20.50	22.00
3GPP Rel 6	HSUPA Subtest-4	19.30	19.64	19.45	21.00
3GPP Rel 6	HSUPA Subtest-5	21.57	21.57	21.55	23.00



<LTE Conducted Power>

【LTE Band 2_Ant 3_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	23.16	23.17	23.15	24.00
20	QPSK	1	49	22.89	23.04	22.98	24.00
20	QPSK	1	99	22.93	22.96	22.92	24.00
20	QPSK	50	0	22.14	22.23	22.11	23.00
20	QPSK	50	24	22.12	22.22	22.09	23.00
20	QPSK	50	50	21.98	22.14	22.05	23.00
20	QPSK	100	0	22.05	22.13	22.06	23.00
20	16QAM	1	0	22.28	22.40	22.36	23.00
20	16QAM	1	49	22.25	22.41	22.28	23.00
20	16QAM	1	99	22.15	22.25	22.11	23.00
20	16QAM	50	0	21.11	21.14	21.01	22.00
20	16QAM	50	24	21.12	21.17	21.13	22.00
20	16QAM	50	50	20.95	21.10	21.05	22.00
20	16QAM	100	0	21.07	21.13	21.03	22.00
20	64QAM	1	0	21.22	21.33	21.17	22.00
20	64QAM	1	49	21.18	21.22	21.17	22.00
20	64QAM	1	99	21.17	21.28	21.22	22.00
20	64QAM	50	0	20.27	20.35	20.25	21.00
20	64QAM	50	24	20.21	20.23	20.15	21.00
20	64QAM	50	50	20.08	20.23	20.16	21.00
20	64QAM	100	0	20.07	20.17	20.11	21.00
20	256QAM	1	0	18.03	18.16	18.08	19.00
20	256QAM	1	49	18.21	18.34	18.21	19.00
20	256QAM	1	99	17.90	17.99	17.94	19.00
20	256QAM	50	0	17.97	18.05	18.01	19.00
20	256QAM	50	24	18.03	18.14	18.09	19.00
20	256QAM	50	50	18.08	18.15	18.00	19.00
20	256QAM	100	0	18.06	18.16	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.04	23.10	23.10	24.00
15	QPSK	1	37	22.75	22.90	22.94	24.00
15	QPSK	1	74	22.82	22.90	22.82	24.00
15	QPSK	36	0	22.07	22.17	22.09	23.00
15	QPSK	36	20	22.10	22.14	21.96	23.00
15	QPSK	36	39	21.94	22.06	21.91	23.00
15	QPSK	75	0	21.98	22.01	21.99	23.00
15	16QAM	1	0	22.19	22.38	22.29	23.00
15	16QAM	1	37	22.15	22.35	22.23	23.00
15	16QAM	1	74	22.09	22.19	22.09	23.00
15	16QAM	36	0	20.97	21.02	20.92	22.00
15	16QAM	36	20	21.11	21.13	21.09	22.00
15	16QAM	36	39	20.92	20.96	20.98	22.00
15	16QAM	75	0	21.03	21.07	20.98	22.00
15	64QAM	1	0	21.11	21.30	21.14	22.00
15	64QAM	1	37	21.06	21.14	21.12	22.00
15	64QAM	1	74	21.10	21.23	21.20	22.00
15	64QAM	36	0	20.22	20.31	20.14	21.00
15	64QAM	36	20	20.17	20.10	20.00	21.00
15	64QAM	36	39	20.04	20.21	20.14	21.00
15	64QAM	75	0	20.02	20.03	20.02	21.00
15	256QAM	1	0	17.99	18.05	18.04	19.00
15	256QAM	1	37	18.17	18.27	18.13	19.00
15	256QAM	1	74	17.77	17.88	17.82	19.00
15	256QAM	36	0	17.86	18.03	17.93	19.00
15	256QAM	36	20	17.94	18.08	18.00	19.00
15	256QAM	36	39	17.96	18.12	17.95	19.00
15	256QAM	75	0	17.94	18.08	18.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.07	23.10	23.10	24.00
10	QPSK	1	25	22.85	22.91	22.91	24.00
10	QPSK	1	49	22.87	22.89	22.83	24.00
10	QPSK	25	0	22.08	22.15	21.98	23.00
10	QPSK	25	12	22.11	22.15	22.04	23.00
10	QPSK	25	25	21.86	22.04	21.96	23.00
10	QPSK	50	0	21.93	22.01	22.02	23.00



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10	16QAM	1	0	22.16	22.26	22.24	23.00
10	16QAM	1	25	22.13	22.39	22.20	23.00
10	16QAM	1	49	22.06	22.15	22.03	23.00
10	16QAM	25	0	21.06	21.04	21.00	22.00
10	16QAM	25	12	21.03	21.07	21.03	22.00
10	16QAM	25	25	20.91	21.01	21.01	22.00
10	16QAM	50	0	21.04	20.99	21.01	22.00
10	64QAM	1	0	21.14	21.21	21.09	22.00
10	64QAM	1	25	21.14	21.14	21.14	22.00
10	64QAM	1	49	21.13	21.22	21.07	22.00
10	64QAM	25	0	20.16	20.34	20.24	21.00
10	64QAM	25	12	20.10	20.18	20.07	21.00
10	64QAM	25	25	19.99	20.10	20.04	21.00
10	64QAM	50	0	20.02	20.15	20.02	21.00
10	256QAM	1	0	17.96	18.07	17.94	19.00
10	256QAM	1	25	18.20	18.23	18.18	19.00
10	256QAM	1	49	17.88	17.88	17.84	19.00
10	256QAM	25	0	17.88	18.03	17.93	19.00
10	256QAM	25	12	17.93	18.03	17.96	19.00
10	256QAM	25	25	18.03	18.01	17.88	19.00
10	256QAM	50	0	17.99	18.07	18.03	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.03	23.13	23.14	24.00
5	QPSK	1	12	22.85	23.02	22.90	24.00
5	QPSK	1	24	22.90	22.82	22.85	24.00
5	QPSK	12	0	22.02	22.22	22.00	23.00
5	QPSK	12	7	22.00	22.20	21.96	23.00
5	QPSK	12	13	21.85	22.10	22.02	23.00
5	QPSK	25	0	21.97	22.04	22.01	23.00
5	16QAM	1	0	22.21	22.39	22.33	23.00
5	16QAM	1	12	22.18	22.34	22.16	23.00
5	16QAM	1	24	22.10	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.10	21.00	22.00
5	16QAM	12	7	20.97	21.11	20.99	22.00
5	16QAM	12	13	20.84	20.97	20.94	22.00
5	16QAM	25	0	20.95	21.08	20.92	22.00
5	64QAM	1	0	21.10	21.22	21.05	22.00
5	64QAM	1	12	21.07	21.12	21.04	22.00
5	64QAM	1	24	21.10	21.16	21.13	22.00
5	64QAM	12	0	20.26	20.23	20.12	21.00
5	64QAM	12	7	20.07	20.13	20.06	21.00
5	64QAM	12	13	19.94	20.21	20.09	21.00
5	64QAM	25	0	20.03	20.09	20.10	21.00
5	256QAM	1	0	17.96	18.09	18.07	19.00
5	256QAM	1	12	18.19	18.22	18.17	19.00
5	256QAM	1	24	17.86	17.98	17.90	19.00
5	256QAM	12	0	17.87	18.01	17.94	19.00
5	256QAM	12	7	17.90	18.11	17.95	19.00
5	256QAM	12	13	17.94	18.13	17.99	19.00
5	256QAM	25	0	17.94	18.03	17.94	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.03	23.10	23.13	24.00
3	QPSK	1	8	22.78	22.92	22.97	24.00
3	QPSK	1	14	22.87	22.84	22.84	24.00
3	QPSK	8	0	22.05	22.10	22.00	23.00
3	QPSK	8	4	22.08	22.12	22.01	23.00
3	QPSK	8	7	21.96	22.12	22.02	23.00
3	QPSK	15	0	21.97	22.11	21.98	23.00
3	16QAM	1	0	22.26	22.33	22.26	23.00
3	16QAM	1	8	22.23	22.32	22.14	23.00
3	16QAM	1	14	22.09	22.17	22.10	23.00
3	16QAM	8	0	21.07	21.07	20.91	22.00
3	16QAM	8	4	21.00	21.05	21.06	22.00
3	16QAM	8	7	20.90	21.06	20.99	22.00
3	16QAM	15	0	20.94	21.11	21.01	22.00
3	64QAM	1	0	21.12	21.31	21.11	22.00
3	64QAM	1	8	21.08	21.14	21.05	22.00
3	64QAM	1	14	21.12	21.27	21.21	22.00
3	64QAM	8	0	20.17	20.25	20.24	21.00
3	64QAM	8	4	20.17	20.10	20.03	21.00
3	64QAM	8	7	19.94	20.10	20.02	21.00
3	64QAM	15	0	20.00	20.14	20.04	21.00
3	256QAM	1	0	17.95	18.14	17.97	19.00
3	256QAM	1	8	18.09	18.30	18.07	19.00
3	256QAM	1	14	17.83	17.93	17.80	19.00
3	256QAM	8	0	17.91	18.02	17.94	19.00



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3	256QAM	8	4	17.98	18.05	18.00	19.00
3	256QAM	8	7	17.99	18.13	17.87	19.00
3	256QAM	15	0	17.99	18.02	17.96	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.15	23.12	23.13	24.00
1.4	QPSK	1	3	22.75	22.93	22.95	24.00
1.4	QPSK	1	5	22.80	22.94	22.88	24.00
1.4	QPSK	3	0	23.03	23.12	23.04	24.00
1.4	QPSK	3	1	23.01	23.14	23.08	24.00
1.4	QPSK	3	3	22.86	23.09	22.90	24.00
1.4	QPSK	6	0	21.91	22.03	22.02	23.00
1.4	16QAM	1	0	22.18	22.30	22.26	23.00
1.4	16QAM	1	3	22.11	22.35	22.16	23.00
1.4	16QAM	1	5	22.10	22.17	22.03	23.00
1.4	16QAM	3	0	22.01	22.07	21.93	23.00
1.4	16QAM	3	1	21.99	22.09	22.01	23.00
1.4	16QAM	3	3	21.89	22.03	21.91	23.00
1.4	16QAM	6	0	20.95	21.06	21.02	22.00
1.4	64QAM	1	0	21.21	21.30	21.04	22.00
1.4	64QAM	1	3	21.06	21.15	21.04	22.00
1.4	64QAM	1	5	21.10	21.16	21.07	22.00
1.4	64QAM	3	0	21.16	21.29	21.11	22.00
1.4	64QAM	3	1	21.18	21.16	21.05	22.00
1.4	64QAM	3	3	20.99	21.13	21.02	22.00
1.4	64QAM	6	0	19.94	20.13	20.07	21.00
1.4	256QAM	1	0	17.92	18.14	17.97	19.00
1.4	256QAM	1	3	18.14	18.29	18.12	19.00
1.4	256QAM	1	5	17.77	17.94	17.83	19.00
1.4	256QAM	3	0	17.91	17.92	17.99	19.00
1.4	256QAM	3	1	17.88	18.11	17.97	19.00
1.4	256QAM	3	3	18.05	18.14	17.98	19.00
1.4	256QAM	6	0	17.97	18.11	18.07	19.00

【LTE Band 2_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.66	20.67	20.65	22.00
20	QPSK	1	49	20.22	20.33	20.17	22.00
20	QPSK	1	99	20.51	20.59	20.47	22.00
20	QPSK	50	0	20.55	20.56	20.51	22.00
20	QPSK	50	24	20.27	20.33	20.26	22.00
20	QPSK	50	50	20.27	20.37	20.31	22.00
20	QPSK	100	0	20.47	20.49	20.43	22.00
20	16QAM	1	0	20.46	20.50	20.36	22.00
20	16QAM	1	49	20.29	20.38	20.25	22.00
20	16QAM	1	99	20.56	20.65	20.52	22.00
20	16QAM	50	0	20.52	20.58	20.46	22.00
20	16QAM	50	24	20.32	20.40	20.29	22.00
20	16QAM	50	50	20.33	20.38	20.29	22.00
20	16QAM	100	0	20.50	20.58	20.50	22.00
20	64QAM	1	0	20.35	20.45	20.38	22.00
20	64QAM	1	49	20.45	20.57	20.45	22.00
20	64QAM	1	99	20.37	20.41	20.37	22.00
20	64QAM	50	0	20.27	19.93	20.25	21.00
20	64QAM	50	24	20.21	19.86	20.15	21.00
20	64QAM	50	50	20.08	19.97	20.16	21.00
20	64QAM	100	0	20.07	19.93	20.11	21.00
20	256QAM	1	0	18.03	18.07	18.08	19.00
20	256QAM	1	49	18.21	17.97	18.21	19.00
20	256QAM	1	99	17.90	17.92	17.94	19.00
20	256QAM	50	0	17.97	17.89	18.01	19.00
20	256QAM	50	24	18.03	18.07	18.09	19.00
20	256QAM	50	50	18.08	18.01	18.00	19.00
20	256QAM	100	0	18.06	18.01	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.54	20.55	20.55	22.00
15	QPSK	1	37	20.13	20.32	20.02	22.00
15	QPSK	1	74	20.38	20.45	20.32	22.00
15	QPSK	36	0	20.54	20.48	20.48	22.00



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15	QPSK	36	20	20.13	20.32	20.22	22.00
15	QPSK	36	39	20.17	20.25	20.22	22.00
15	QPSK	75	0	20.33	20.39	20.41	22.00
15	16QAM	1	0	20.40	20.37	20.27	22.00
15	16QAM	1	37	20.25	20.28	20.24	22.00
15	16QAM	1	74	20.50	20.58	20.39	22.00
15	16QAM	36	0	20.42	20.51	20.41	22.00
15	16QAM	36	20	20.21	20.27	20.20	22.00
15	16QAM	36	39	20.20	20.28	20.24	22.00
15	16QAM	75	0	20.40	20.52	20.49	22.00
15	64QAM	1	0	20.24	20.39	20.32	22.00
15	64QAM	1	37	20.34	20.54	20.32	22.00
15	64QAM	1	74	20.31	20.32	20.25	22.00
15	64QAM	36	0	20.20	19.79	20.13	21.00
15	64QAM	36	20	20.10	19.72	20.01	21.00
15	64QAM	36	39	20.06	19.84	20.03	21.00
15	64QAM	75	0	20.03	19.90	20.05	21.00
15	256QAM	1	0	17.96	18.05	17.99	19.00
15	256QAM	1	37	18.08	17.95	18.15	19.00
15	256QAM	1	74	17.78	17.83	17.84	19.00
15	256QAM	36	0	17.92	17.84	17.98	19.00
15	256QAM	36	20	17.94	18.05	17.99	19.00
15	256QAM	36	39	18.03	17.90	17.88	19.00
15	256QAM	75	0	17.97	17.96	18.05	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.59	20.59	20.52	22.00
10	QPSK	1	25	20.17	20.27	20.14	22.00
10	QPSK	1	49	20.39	20.45	20.38	22.00
10	QPSK	25	0	20.44	20.51	20.48	22.00
10	QPSK	25	12	20.25	20.31	20.15	22.00
10	QPSK	25	25	20.25	20.29	20.17	22.00
10	QPSK	50	0	20.41	20.40	20.33	22.00
10	16QAM	1	0	20.34	20.49	20.25	22.00
10	16QAM	1	25	20.18	20.36	20.12	22.00
10	16QAM	1	49	20.48	20.53	20.39	22.00
10	16QAM	25	0	20.47	20.56	20.31	22.00
10	16QAM	25	12	20.20	20.31	20.15	22.00
10	16QAM	25	25	20.20	20.27	20.22	22.00
10	16QAM	50	0	20.43	20.47	20.45	22.00
10	64QAM	1	0	20.23	20.44	20.30	22.00
10	64QAM	1	25	20.36	20.48	20.30	22.00
10	64QAM	1	49	20.28	20.35	20.28	22.00
10	64QAM	25	0	20.23	19.79	20.11	21.00
10	64QAM	25	12	20.07	19.79	20.10	21.00
10	64QAM	25	25	20.00	19.84	20.12	21.00
10	64QAM	50	0	19.96	19.79	20.01	21.00
10	256QAM	1	0	17.98	18.04	18.00	19.00
10	256QAM	1	25	18.08	17.86	18.16	19.00
10	256QAM	1	49	17.83	17.82	17.89	19.00
10	256QAM	25	0	17.88	17.81	17.96	19.00
10	256QAM	25	12	17.96	17.98	17.98	19.00
10	256QAM	25	25	17.97	17.97	17.85	19.00
10	256QAM	50	0	17.95	17.99	18.00	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.57	20.59	20.56	22.00
5	QPSK	1	12	20.15	20.29	20.09	22.00
5	QPSK	1	24	20.50	20.57	20.36	22.00
5	QPSK	12	0	20.47	20.48	20.44	22.00
5	QPSK	12	7	20.15	20.25	20.19	22.00
5	QPSK	12	13	20.23	20.28	20.27	22.00
5	QPSK	25	0	20.42	20.34	20.35	22.00
5	16QAM	1	0	20.35	20.37	20.32	22.00
5	16QAM	1	12	20.24	20.28	20.13	22.00
5	16QAM	1	24	20.54	20.61	20.48	22.00
5	16QAM	12	0	20.43	20.50	20.42	22.00
5	16QAM	12	7	20.27	20.29	20.26	22.00
5	16QAM	12	13	20.31	20.25	20.16	22.00
5	16QAM	25	0	20.44	20.48	20.46	22.00
5	64QAM	1	0	20.21	20.32	20.25	22.00
5	64QAM	1	12	20.42	20.47	20.34	22.00
5	64QAM	1	24	20.26	20.34	20.33	22.00
5	64QAM	12	0	20.26	19.90	20.24	21.00
5	64QAM	12	7	20.09	19.80	20.05	21.00
5	64QAM	12	13	19.95	19.82	20.10	21.00
5	64QAM	25	0	19.96	19.79	20.04	21.00
5	256QAM	1	0	17.92	18.01	17.94	19.00



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5	256QAM	1	12	18.18	17.83	18.15	19.00
5	256QAM	1	24	17.85	17.88	17.83	19.00
5	256QAM	12	0	17.90	17.85	17.99	19.00
5	256QAM	12	7	17.95	17.98	17.94	19.00
5	256QAM	12	13	17.94	18.00	17.99	19.00
5	256QAM	25	0	17.97	17.94	18.06	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	20.64	20.60	20.62	22.00
3	QPSK	1	8	20.10	20.29	20.13	22.00
3	QPSK	1	14	20.44	20.56	20.39	22.00
3	QPSK	8	0	20.47	20.44	20.46	22.00
3	QPSK	8	4	20.21	20.21	20.15	22.00
3	QPSK	8	7	20.17	20.35	20.26	22.00
3	QPSK	15	0	20.34	20.47	20.38	22.00
3	16QAM	1	0	20.44	20.35	20.28	22.00
3	16QAM	1	8	20.26	20.31	20.18	22.00
3	16QAM	1	14	20.46	20.62	20.51	22.00
3	16QAM	8	0	20.46	20.45	20.32	22.00
3	16QAM	8	4	20.30	20.28	20.16	22.00
3	16QAM	8	7	20.19	20.29	20.20	22.00
3	16QAM	15	0	20.47	20.54	20.39	22.00
3	64QAM	1	0	20.30	20.43	20.31	22.00
3	64QAM	1	8	20.39	20.51	20.32	22.00
3	64QAM	1	14	20.34	20.37	20.31	22.00
3	64QAM	8	0	20.13	19.82	20.21	21.00
3	64QAM	8	4	20.19	19.79	20.10	21.00
3	64QAM	8	7	19.94	19.89	20.04	21.00
3	64QAM	15	0	20.01	19.80	20.09	21.00
3	256QAM	1	0	17.90	18.05	17.97	19.00
3	256QAM	1	8	18.09	17.84	18.12	19.00
3	256QAM	1	14	17.82	17.88	17.85	19.00
3	256QAM	8	0	17.91	17.87	17.91	19.00
3	256QAM	8	4	17.92	18.01	17.95	19.00
3	256QAM	8	7	17.95	17.99	17.90	19.00
3	256QAM	15	0	17.97	17.97	18.03	19.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	20.58	20.62	20.63	22.00
1.4	QPSK	1	3	20.18	20.19	20.12	22.00
1.4	QPSK	1	5	20.47	20.54	20.41	22.00
1.4	QPSK	3	0	20.48	20.48	20.50	22.00
1.4	QPSK	3	1	20.18	20.30	20.18	22.00
1.4	QPSK	3	3	20.22	20.25	20.24	22.00
1.4	QPSK	6	0	20.35	20.41	20.36	22.00
1.4	16QAM	1	0	20.41	20.36	20.34	22.00
1.4	16QAM	1	3	20.14	20.33	20.23	22.00
1.4	16QAM	1	5	20.50	20.51	20.39	22.00
1.4	16QAM	3	0	20.38	20.49	20.35	22.00
1.4	16QAM	3	1	20.21	20.38	20.18	22.00
1.4	16QAM	3	3	20.19	20.25	20.25	22.00
1.4	16QAM	6	0	20.45	20.50	20.35	22.00
1.4	64QAM	1	0	20.32	20.40	20.31	22.00
1.4	64QAM	1	3	20.34	20.54	20.42	22.00
1.4	64QAM	1	5	20.27	20.31	20.31	22.00
1.4	64QAM	3	0	20.62	20.28	20.60	21.00
1.4	64QAM	3	1	20.61	20.24	20.51	21.00
1.4	64QAM	3	3	20.55	20.37	20.56	21.00
1.4	64QAM	6	0	20.02	19.90	20.03	21.00
1.4	256QAM	1	0	18.00	17.92	18.06	19.00
1.4	256QAM	1	3	18.15	17.84	18.14	19.00
1.4	256QAM	1	5	17.85	17.91	17.90	19.00
1.4	256QAM	3	0	17.84	17.75	17.97	19.00
1.4	256QAM	3	1	18.00	17.99	18.02	19.00
1.4	256QAM	3	3	18.01	17.87	17.86	19.00
1.4	256QAM	6	0	18.03	17.90	18.02	19.00

**【LTE Band 2_Ant 3_DSI 3】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	19.80
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.90	17.95	17.82	19.80
20	QPSK	1	49	17.81	17.83	17.80	19.80
20	QPSK	1	99	17.80	17.85	17.82	19.80
20	QPSK	50	0	17.80	17.88	17.80	19.80
20	QPSK	50	24	17.81	17.86	17.81	19.80
20	QPSK	50	50	17.81	17.80	17.81	19.80
20	QPSK	100	0	17.82	17.86	17.81	19.80
20	16QAM	1	0	17.80	17.82	17.80	19.80
20	16QAM	1	49	17.81	17.81	17.81	19.80
20	16QAM	1	99	17.80	17.85	17.82	19.80
20	16QAM	50	0	17.80	17.85	17.81	19.80
20	16QAM	50	24	17.81	17.82	17.80	19.80
20	16QAM	50	50	17.80	17.81	17.81	19.80
20	16QAM	100	0	17.80	17.84	17.80	19.80
20	64QAM	1	0	17.80	17.84	17.81	19.80
20	64QAM	1	49	17.81	17.81	17.80	19.80
20	64QAM	1	99	17.80	17.86	17.81	19.80
20	64QAM	50	0	17.80	17.84	17.80	19.80
20	64QAM	50	24	17.81	17.81	17.80	19.80
20	64QAM	50	50	17.82	17.84	17.80	19.80
20	64QAM	100	0	17.80	17.85	17.81	19.80
20	256QAM	1	0	17.73	17.84	17.62	19.00
20	256QAM	1	49	17.56	17.75	17.55	19.00
20	256QAM	1	99	17.63	17.75	17.52	19.00
20	256QAM	50	0	17.51	17.64	17.38	19.00
20	256QAM	50	24	17.72	17.82	17.56	19.00
20	256QAM	50	50	17.55	17.70	17.43	19.00
20	256QAM	100	0	17.57	17.67	17.46	19.00
Channel				18675	18900	19125	19.80
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.85	17.86	17.80	19.80
15	QPSK	1	37	17.80	17.80	17.82	19.80
15	QPSK	1	74	17.80	17.81	17.82	19.80
15	QPSK	36	0	17.81	17.80	17.80	19.80
15	QPSK	36	20	17.81	17.80	17.82	19.80
15	QPSK	36	39	17.80	17.80	17.80	19.80
15	QPSK	75	0	17.80	17.80	17.82	19.80
15	16QAM	1	0	17.80	17.80	17.80	19.80
15	16QAM	1	37	17.80	17.80	17.81	19.80
15	16QAM	1	74	17.80	17.84	17.80	19.80
15	16QAM	36	0	17.81	17.80	17.80	19.80
15	16QAM	36	20	17.82	17.81	17.81	19.80
15	16QAM	36	39	17.80	17.82	17.81	19.80
15	16QAM	75	0	17.82	17.81	17.81	19.80
15	64QAM	1	0	17.80	17.81	17.80	19.80
15	64QAM	1	37	17.80	17.82	17.80	19.80
15	64QAM	1	74	17.80	17.80	17.80	19.80
15	64QAM	36	0	17.80	17.81	17.81	19.80
15	64QAM	36	20	17.81	17.81	17.80	19.80
15	64QAM	36	39	17.80	17.82	17.82	19.80
15	64QAM	75	0	17.80	17.81	17.80	19.80
15	256QAM	1	0	17.61	17.71	17.55	19.00
15	256QAM	1	37	17.46	17.73	17.53	19.00
15	256QAM	1	74	17.51	17.71	17.41	19.00
15	256QAM	36	0	17.37	17.56	17.32	19.00
15	256QAM	36	20	17.57	17.71	17.50	19.00
15	256QAM	36	39	17.42	17.56	17.38	19.00
15	256QAM	75	0	17.53	17.56	17.35	19.00
Channel				18650	18900	19150	19.80
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	17.81	17.83	17.80	19.80
10	QPSK	1	25	17.80	17.81	17.80	19.80
10	QPSK	1	49	17.80	17.84	17.81	19.80
10	QPSK	25	0	17.81	17.80	17.80	19.80
10	QPSK	25	12	17.80	17.80	17.80	19.80
10	QPSK	25	25	17.81	17.81	17.81	19.80
10	QPSK	50	0	17.81	17.81	17.80	19.80
10	16QAM	1	0	17.81	17.80	17.80	19.80
10	16QAM	1	25	17.80	17.81	17.80	19.80
10	16QAM	1	49	17.80	17.80	17.80	19.80



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10	16QAM	25	0	17.80	17.81	17.81	19.80
10	16QAM	25	12	17.80	17.80	17.80	19.80
10	16QAM	25	25	17.80	17.80	17.82	19.80
10	16QAM	50	0	17.81	17.80	17.80	19.80
10	64QAM	1	0	17.81	17.82	17.81	19.80
10	64QAM	1	25	17.80	17.80	17.81	19.80
10	64QAM	1	49	17.82	17.84	17.80	19.80
10	64QAM	25	0	17.80	17.81	17.81	19.80
10	64QAM	25	12	17.81	17.80	17.81	19.80
10	64QAM	25	25	17.82	17.82	17.81	19.80
10	64QAM	50	0	17.80	17.81	17.81	19.80
10	256QAM	1	0	17.63	17.73	17.57	19.00
10	256QAM	1	25	17.51	17.68	17.49	19.00
10	256QAM	1	49	17.60	17.70	17.37	19.00
10	256QAM	25	0	17.44	17.58	17.27	19.00
10	256QAM	25	12	17.63	17.79	17.49	19.00
10	256QAM	25	25	17.42	17.63	17.32	19.00
10	256QAM	50	0	17.55	17.65	17.43	19.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	17.88	17.93	17.80	19.80
5	QPSK	1	12	17.80	17.80	17.80	19.80
5	QPSK	1	24	17.82	17.81	17.81	19.80
5	QPSK	12	0	17.80	17.83	17.81	19.80
5	QPSK	12	7	17.80	17.80	17.80	19.80
5	QPSK	12	13	17.80	17.80	17.80	19.80
5	QPSK	25	0	17.81	17.80	17.80	19.80
5	16QAM	1	0	17.81	17.81	17.82	19.80
5	16QAM	1	12	17.80	17.80	17.80	19.80
5	16QAM	1	24	17.80	17.81	17.80	19.80
5	16QAM	12	0	17.82	17.81	17.80	19.80
5	16QAM	12	7	17.80	17.80	17.80	19.80
5	16QAM	12	13	17.81	17.81	17.81	19.80
5	16QAM	25	0	17.81	17.82	17.81	19.80
5	64QAM	1	0	17.81	17.80	17.80	19.80
5	64QAM	1	12	17.82	17.80	17.82	19.80
5	64QAM	1	24	17.80	17.85	17.82	19.80
5	64QAM	12	0	17.80	17.80	17.80	19.80
5	64QAM	12	7	17.80	17.80	17.81	19.80
5	64QAM	12	13	17.81	17.81	17.80	19.80
5	64QAM	25	0	17.80	17.82	17.80	19.80
5	256QAM	1	0	17.58	17.79	17.48	19.00
5	256QAM	1	12	17.45	17.74	17.41	19.00
5	256QAM	1	24	17.52	17.67	17.51	19.00
5	256QAM	12	0	17.38	17.59	17.28	19.00
5	256QAM	12	7	17.61	17.71	17.44	19.00
5	256QAM	12	13	17.52	17.63	17.40	19.00
5	256QAM	25	0	17.45	17.61	17.39	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	17.88	17.85	17.82	19.80
3	QPSK	1	8	17.80	17.80	17.80	19.80
3	QPSK	1	14	17.81	17.80	17.81	19.80
3	QPSK	8	0	17.81	17.82	17.81	19.80
3	QPSK	8	4	17.81	17.80	17.80	19.80
3	QPSK	8	7	17.80	17.80	17.80	19.80
3	QPSK	15	0	17.81	17.83	17.80	19.80
3	16QAM	1	0	17.80	17.81	17.81	19.80
3	16QAM	1	8	17.81	17.80	17.80	19.80
3	16QAM	1	14	17.81	17.80	17.80	19.80
3	16QAM	8	0	17.81	17.80	17.80	19.80
3	16QAM	8	4	17.80	17.80	17.80	19.80
3	16QAM	8	7	17.80	17.80	17.81	19.80
3	16QAM	15	0	17.80	17.81	17.80	19.80
3	64QAM	1	0	17.80	17.82	17.80	19.80
3	64QAM	1	8	17.81	17.80	17.80	19.80
3	64QAM	1	14	17.80	17.82	17.80	19.80
3	64QAM	8	0	17.81	17.80	17.80	19.80
3	64QAM	8	4	17.80	17.81	17.80	19.80
3	64QAM	8	7	17.80	17.80	17.81	19.80
3	64QAM	15	0	17.81	17.80	17.80	19.80
3	256QAM	1	0	17.68	17.73	17.50	19.00
3	256QAM	1	8	17.50	17.73	17.41	19.00
3	256QAM	1	14	17.56	17.62	17.38	19.00
3	256QAM	8	0	17.50	17.55	17.33	19.00
3	256QAM	8	4	17.68	17.74	17.50	19.00
3	256QAM	8	7	17.49	17.61	17.29	19.00
3	256QAM	15	0	17.55	17.65	17.33	19.00



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Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.80	17.85	17.81	19.80
1.4	QPSK	1	3	17.81	17.80	17.80	19.80
1.4	QPSK	1	5	17.81	17.81	17.80	19.80
1.4	QPSK	3	0	17.81	17.80	17.82	19.80
1.4	QPSK	3	1	17.80	17.81	17.82	19.80
1.4	QPSK	3	3	17.81	17.80	17.80	19.80
1.4	QPSK	6	0	17.80	17.84	17.80	19.80
1.4	16QAM	1	0	17.80	17.81	17.81	19.80
1.4	16QAM	1	3	17.80	17.81	17.82	19.80
1.4	16QAM	1	5	17.80	17.80	17.80	19.80
1.4	16QAM	3	0	17.80	17.82	17.81	19.80
1.4	16QAM	3	1	17.80	17.80	17.81	19.80
1.4	16QAM	3	3	17.82	17.82	17.80	19.80
1.4	16QAM	6	0	17.80	17.82	17.80	19.80
1.4	64QAM	1	0	17.82	17.81	17.81	19.80
1.4	64QAM	1	3	17.81	17.81	17.81	19.80
1.4	64QAM	1	5	17.81	17.80	17.80	19.80
1.4	64QAM	3	0	17.80	17.81	17.80	19.80
1.4	64QAM	3	1	17.81	17.82	17.80	19.80
1.4	64QAM	3	3	17.80	17.81	17.80	19.80
1.4	64QAM	6	0	17.82	17.81	17.80	19.80
1.4	256QAM	1	0	17.61	17.75	17.55	19.00
1.4	256QAM	1	3	17.45	17.61	17.49	19.00
1.4	256QAM	1	5	17.55	17.69	17.42	19.00
1.4	256QAM	3	0	17.37	17.58	17.35	19.00
1.4	256QAM	3	1	17.69	17.73	17.55	19.00
1.4	256QAM	3	3	17.46	17.56	17.34	19.00
1.4	256QAM	6	0	17.54	17.65	17.41	19.00

【LTE Band 2_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.03	22.10	22.02	24.00
20	QPSK	1	49	22.01	22.05	22.00	24.00
20	QPSK	1	99	22.00	22.07	22.01	24.00
20	QPSK	50	0	21.63	21.80	21.62	23.00
20	QPSK	50	24	21.59	21.69	21.53	23.00
20	QPSK	50	50	21.54	21.67	21.46	23.00
20	QPSK	100	0	21.71	21.89	21.79	23.00
20	16QAM	1	0	21.43	21.64	21.45	23.00
20	16QAM	1	49	21.60	21.81	21.71	23.00
20	16QAM	1	99	21.65	21.77	21.61	23.00
20	16QAM	50	0	20.50	20.61	20.43	22.00
20	16QAM	50	24	20.47	20.68	20.46	22.00
20	16QAM	50	50	20.64	20.80	20.67	22.00
20	16QAM	100	0	20.54	20.74	20.62	22.00
20	64QAM	1	0	20.43	20.56	20.42	22.00
20	64QAM	1	49	20.60	20.70	20.52	22.00
20	64QAM	1	99	20.43	20.60	20.46	22.00
20	64QAM	50	0	20.16	20.32	20.13	21.00
20	64QAM	50	24	19.94	20.12	20.02	21.00
20	64QAM	50	50	20.08	20.20	20.01	21.00
20	64QAM	100	0	20.18	20.29	20.16	21.00
20	256QAM	1	0	17.96	18.07	17.86	19.00
20	256QAM	1	49	18.02	18.20	18.07	19.00
20	256QAM	1	99	18.13	18.26	18.12	19.00
20	256QAM	50	0	17.86	18.05	17.93	19.00
20	256QAM	50	24	18.04	18.11	17.99	19.00
20	256QAM	50	50	18.06	18.18	17.99	19.00
20	256QAM	100	0	18.23	18.36	18.18	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.01	22.01	22.01	24.00
15	QPSK	1	37	22.01	22.01	22.00	24.00
15	QPSK	1	74	22.00	22.05	22.00	24.00
15	QPSK	36	0	21.53	21.68	21.61	23.00
15	QPSK	36	20	21.55	21.59	21.43	23.00
15	QPSK	36	39	21.45	21.56	21.38	23.00
15	QPSK	75	0	21.64	21.88	21.75	23.00



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15	16QAM	1	0	21.40	21.62	21.42	23.00
15	16QAM	1	37	21.52	21.68	21.68	23.00
15	16QAM	1	74	21.51	21.71	21.48	23.00
15	16QAM	36	0	20.44	20.57	20.35	22.00
15	16QAM	36	20	20.39	20.53	20.37	22.00
15	16QAM	36	39	20.58	20.69	20.64	22.00
15	16QAM	75	0	20.47	20.60	20.58	22.00
15	64QAM	1	0	20.35	20.51	20.30	22.00
15	64QAM	1	37	20.52	20.60	20.44	22.00
15	64QAM	1	74	20.39	20.55	20.40	22.00
15	64QAM	36	0	20.02	20.24	20.01	21.00
15	64QAM	36	20	19.81	20.08	19.98	21.00
15	64QAM	36	39	20.04	20.07	19.98	21.00
15	64QAM	75	0	20.10	20.25	20.10	21.00
15	256QAM	1	0	17.90	18.06	17.74	19.00
15	256QAM	1	37	17.89	18.16	17.96	19.00
15	256QAM	1	74	18.12	18.17	18.06	19.00
15	256QAM	36	0	17.84	18.02	17.78	19.00
15	256QAM	36	20	17.90	17.98	17.93	19.00
15	256QAM	36	39	17.93	18.13	17.86	19.00
15	256QAM	75	0	18.15	18.31	18.14	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.00	22.00	22.02	24.00
10	QPSK	1	25	22.01	22.01	22.01	24.00
10	QPSK	1	49	22.01	22.00	22.00	24.00
10	QPSK	25	0	21.48	21.66	21.54	23.00
10	QPSK	25	12	21.54	21.60	21.42	23.00
10	QPSK	25	25	21.45	21.64	21.42	23.00
10	QPSK	50	0	21.57	21.86	21.74	23.00
10	16QAM	1	0	21.40	21.51	21.31	23.00
10	16QAM	1	25	21.53	21.75	21.67	23.00
10	16QAM	1	49	21.50	21.74	21.47	23.00
10	16QAM	25	0	20.39	20.56	20.36	22.00
10	16QAM	25	12	20.43	20.62	20.32	22.00
10	16QAM	25	25	20.60	20.74	20.54	22.00
10	16QAM	50	0	20.39	20.61	20.57	22.00
10	64QAM	1	0	20.38	20.48	20.29	22.00
10	64QAM	1	25	20.48	20.67	20.38	22.00
10	64QAM	1	49	20.29	20.55	20.42	22.00
10	64QAM	25	0	20.15	20.25	19.99	21.00
10	64QAM	25	12	19.89	20.01	19.89	21.00
10	64QAM	25	25	19.96	20.17	19.90	21.00
10	64QAM	50	0	20.08	20.25	20.08	21.00
10	256QAM	1	0	17.85	17.98	17.80	19.00
10	256QAM	1	25	17.96	18.06	18.03	19.00
10	256QAM	1	49	17.99	18.12	17.98	19.00
10	256QAM	25	0	17.74	18.01	17.88	19.00
10	256QAM	25	12	17.92	18.01	17.87	19.00
10	256QAM	25	25	17.94	18.13	17.97	19.00
10	256QAM	50	0	18.17	18.23	18.15	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.01	22.00	22.00	24.00
5	QPSK	1	12	22.01	22.01	22.00	24.00
5	QPSK	1	24	22.01	22.00	22.01	24.00
5	QPSK	12	0	21.59	21.70	21.52	23.00
5	QPSK	12	7	21.45	21.65	21.41	23.00
5	QPSK	12	13	21.47	21.63	21.32	23.00
5	QPSK	25	0	21.66	21.88	21.72	23.00
5	16QAM	1	0	21.32	21.51	21.34	23.00
5	16QAM	1	12	21.47	21.78	21.57	23.00
5	16QAM	1	24	21.61	21.65	21.50	23.00
5	16QAM	12	0	20.47	20.47	20.38	22.00
5	16QAM	12	7	20.38	20.66	20.37	22.00
5	16QAM	12	13	20.62	20.77	20.61	22.00
5	16QAM	25	0	20.43	20.64	20.50	22.00
5	64QAM	1	0	20.30	20.45	20.33	22.00
5	64QAM	1	12	20.51	20.69	20.43	22.00
5	64QAM	1	24	20.35	20.58	20.45	22.00
5	64QAM	12	0	20.06	20.25	20.05	21.00
5	64QAM	12	7	19.91	20.04	19.99	21.00
5	64QAM	12	13	19.94	20.08	19.93	21.00
5	64QAM	25	0	20.08	20.20	20.07	21.00
5	256QAM	1	0	17.92	18.02	17.79	19.00
5	256QAM	1	12	18.01	18.15	17.98	19.00
5	256QAM	1	24	18.00	18.19	18.00	19.00
5	256QAM	12	0	17.83	17.94	17.91	19.00



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5	256QAM	12	7	17.95	17.97	17.87	19.00
5	256QAM	12	13	17.98	18.14	17.89	19.00
5	256QAM	25	0	18.17	18.27	18.13	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.01	22.05	22.01	24.00
3	QPSK	1	8	22.01	22.01	22.01	24.00
3	QPSK	1	14	22.02	22.00	22.00	24.00
3	QPSK	8	0	21.54	21.71	21.59	23.00
3	QPSK	8	4	21.55	21.55	21.38	23.00
3	QPSK	8	7	21.44	21.61	21.44	23.00
3	QPSK	15	0	21.69	21.87	21.65	23.00
3	16QAM	1	0	21.36	21.57	21.37	23.00
3	16QAM	1	8	21.48	21.71	21.70	23.00
3	16QAM	1	14	21.55	21.69	21.46	23.00
3	16QAM	8	0	20.46	20.58	20.41	22.00
3	16QAM	8	4	20.36	20.57	20.33	22.00
3	16QAM	8	7	20.59	20.78	20.63	22.00
3	16QAM	15	0	20.43	20.61	20.55	22.00
3	64QAM	1	0	20.41	20.43	20.32	22.00
3	64QAM	1	8	20.52	20.69	20.48	22.00
3	64QAM	1	14	20.32	20.53	20.40	22.00
3	64QAM	8	0	20.03	20.30	20.07	21.00
3	64QAM	8	4	19.85	20.06	19.96	21.00
3	64QAM	8	7	20.07	20.12	19.91	21.00
3	64QAM	15	0	20.13	20.23	20.07	21.00
3	256QAM	1	0	17.93	17.93	17.82	19.00
3	256QAM	1	8	18.00	18.12	17.96	19.00
3	256QAM	1	14	18.05	18.17	18.10	19.00
3	256QAM	8	0	17.80	17.90	17.85	19.00
3	256QAM	8	4	17.92	18.05	17.85	19.00
3	256QAM	8	7	18.03	18.09	17.84	19.00
3	256QAM	15	0	18.19	18.26	18.03	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.02	22.00	22.00	24.00
1.4	QPSK	1	3	22.00	22.00	22.01	24.00
1.4	QPSK	1	5	22.01	22.02	22.00	24.00
1.4	QPSK	3	0	22.00	22.00	22.00	24.00
1.4	QPSK	3	1	22.01	22.02	22.00	24.00
1.4	QPSK	3	3	22.00	22.00	22.00	24.00
1.4	QPSK	6	0	21.59	21.76	21.66	23.00
1.4	16QAM	1	0	21.39	21.59	21.33	23.00
1.4	16QAM	1	3	21.45	21.73	21.64	23.00
1.4	16QAM	1	5	21.59	21.70	21.48	23.00
1.4	16QAM	3	0	21.01	21.02	21.01	23.00
1.4	16QAM	3	1	21.00	21.00	21.00	23.00
1.4	16QAM	3	3	21.00	21.01	21.00	23.00
1.4	16QAM	6	0	20.46	20.71	20.53	22.00
1.4	64QAM	1	0	20.38	20.44	20.39	22.00
1.4	64QAM	1	3	20.49	20.57	20.37	22.00
1.4	64QAM	1	5	20.30	20.52	20.40	22.00
1.4	64QAM	3	0	20.08	20.25	20.02	22.00
1.4	64QAM	3	1	20.00	20.05	20.01	22.00
1.4	64QAM	3	3	20.07	20.09	20.00	22.00
1.4	64QAM	6	0	20.15	20.26	20.11	21.00
1.4	256QAM	1	0	17.93	18.01	17.83	19.00
1.4	256QAM	1	3	17.96	18.13	17.95	19.00
1.4	256QAM	1	5	18.11	18.24	18.08	19.00
1.4	256QAM	3	0	17.83	18.01	17.78	19.00
1.4	256QAM	3	1	17.90	17.97	17.91	19.00
1.4	256QAM	3	3	17.96	18.10	17.94	19.00
1.4	256QAM	6	0	18.17	18.28	18.12	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	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	14.51	14.65	14.49	16.30
20	QPSK	1	49	14.33	14.42	14.32	16.30
20	QPSK	1	99	14.49	14.42	14.47	16.30
20	QPSK	50	0	14.40	14.53	14.40	16.30



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20	QPSK	50	24	14.51	14.41	14.49	16.30
20	QPSK	50	50	14.33	14.40	14.30	16.30
20	QPSK	100	0	14.35	14.47	14.34	16.30
20	16QAM	1	0	14.30	14.41	14.31	16.30
20	16QAM	1	49	14.31	14.48	14.32	16.30
20	16QAM	1	99	14.30	14.47	14.35	16.30
20	16QAM	50	0	14.32	14.53	14.34	16.30
20	16QAM	50	24	14.47	14.56	14.43	16.30
20	16QAM	50	50	14.38	14.47	14.37	16.30
20	16QAM	100	0	14.50	14.53	14.46	16.30
20	64QAM	1	0	14.41	14.48	14.31	16.30
20	64QAM	1	49	14.31	14.47	14.36	16.30
20	64QAM	1	99	14.31	14.46	14.30	16.30
20	64QAM	50	0	14.38	14.52	14.33	16.30
20	64QAM	50	24	14.38	14.48	14.39	16.30
20	64QAM	50	50	14.49	14.57	14.36	16.30
20	64QAM	100	0	14.34	14.46	14.30	16.30
20	256QAM	1	0	14.44	14.44	14.48	16.30
20	256QAM	1	49	14.30	14.44	14.31	16.30
20	256QAM	1	99	14.40	14.35	14.40	16.30
20	256QAM	50	0	14.40	14.33	14.43	16.30
20	256QAM	50	24	14.39	14.57	14.37	16.30
20	256QAM	50	50	14.44	14.52	14.33	16.30
20	256QAM	100	0	14.39	14.50	14.31	16.30
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	14.39	14.44	14.43	16.30
15	QPSK	1	37	14.30	14.30	14.30	16.30
15	QPSK	1	74	14.35	14.53	14.36	16.30
15	QPSK	36	0	14.30	14.50	14.36	16.30
15	QPSK	36	20	14.41	14.46	14.38	16.30
15	QPSK	36	39	14.32	14.30	14.31	16.30
15	QPSK	75	0	14.31	14.41	14.31	16.30
15	16QAM	1	0	14.32	14.30	14.32	16.30
15	16QAM	1	37	14.30	14.38	14.30	16.30
15	16QAM	1	74	14.30	14.43	14.30	16.30
15	16QAM	36	0	14.30	14.40	14.30	16.30
15	16QAM	36	20	14.45	14.55	14.32	16.30
15	16QAM	36	39	14.30	14.34	14.31	16.30
15	16QAM	75	0	14.39	14.48	14.34	16.30
15	64QAM	1	0	14.32	14.41	14.30	16.30
15	64QAM	1	37	14.30	14.41	14.31	16.30
15	64QAM	1	74	14.30	14.35	14.30	16.30
15	64QAM	36	0	14.30	14.43	14.30	16.30
15	64QAM	36	20	14.30	14.37	14.37	16.30
15	64QAM	36	39	14.43	14.50	14.34	16.30
15	64QAM	75	0	14.30	14.42	14.30	16.30
15	256QAM	1	0	14.41	14.57	14.39	16.30
15	256QAM	1	37	14.30	14.40	14.32	16.30
15	256QAM	1	74	14.32	14.49	14.37	16.30
15	256QAM	36	0	14.33	14.57	14.39	16.30
15	256QAM	36	20	14.33	14.48	14.30	16.30
15	256QAM	36	39	14.32	14.39	14.30	16.30
15	256QAM	75	0	14.34	14.44	14.30	16.30
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	14.44	14.47	14.40	16.30
10	QPSK	1	25	14.30	14.30	14.31	16.30
10	QPSK	1	49	14.44	14.54	14.39	16.30
10	QPSK	25	0	14.38	14.46	14.32	16.30
10	QPSK	25	12	14.44	14.56	14.34	16.30
10	QPSK	25	25	14.30	14.36	14.30	16.30
10	QPSK	50	0	14.30	14.40	14.31	16.30
10	16QAM	1	0	14.31	14.32	14.31	16.30
10	16QAM	1	25	14.31	14.35	14.30	16.30
10	16QAM	1	49	14.30	14.39	14.33	16.30
10	16QAM	25	0	14.30	14.50	14.30	16.30
10	16QAM	25	12	14.35	14.51	14.37	16.30
10	16QAM	25	25	14.32	14.36	14.30	16.30
10	16QAM	50	0	14.45	14.57	14.35	16.30
10	64QAM	1	0	14.31	14.40	14.30	16.30
10	64QAM	1	25	14.30	14.32	14.30	16.30
10	64QAM	1	49	14.30	14.36	14.30	16.30
10	64QAM	25	0	14.30	14.46	14.31	16.30
10	64QAM	25	12	14.35	14.41	14.35	16.30
10	64QAM	25	25	14.43	14.43	14.30	16.30
10	64QAM	50	0	14.31	14.37	14.30	16.30
10	256QAM	1	0	14.34	14.56	14.39	16.30



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10	256QAM	1	25	14.30	14.32	14.30	16.30
10	256QAM	1	49	14.31	14.57	14.32	16.30
10	256QAM	25	0	14.37	14.48	14.41	16.30
10	256QAM	25	12	14.30	14.45	14.31	16.30
10	256QAM	25	25	14.33	14.37	14.31	16.30
10	256QAM	50	0	14.35	14.45	14.31	16.30
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	14.41	14.46	14.41	16.30
5	QPSK	1	12	14.30	14.34	14.30	16.30
5	QPSK	1	24	14.42	14.54	14.41	16.30
5	QPSK	12	0	14.37	14.48	14.39	16.30
5	QPSK	12	7	14.44	14.54	14.35	16.30
5	QPSK	12	13	14.30	14.31	14.32	16.30
5	QPSK	25	0	14.32	14.38	14.32	16.30
5	16QAM	1	0	14.30	14.36	14.30	16.30
5	16QAM	1	12	14.30	14.44	14.31	16.30
5	16QAM	1	24	14.30	14.32	14.30	16.30
5	16QAM	12	0	14.32	14.43	14.30	16.30
5	16QAM	12	7	14.44	14.55	14.30	16.30
5	16QAM	12	13	14.31	14.36	14.31	16.30
5	16QAM	25	0	14.44	14.49	14.44	16.30
5	64QAM	1	0	14.30	14.38	14.30	16.30
5	64QAM	1	12	14.32	14.33	14.32	16.30
5	64QAM	1	24	14.30	14.36	14.30	16.30
5	64QAM	12	0	14.30	14.40	14.32	16.30
5	64QAM	12	7	14.30	14.46	14.30	16.30
5	64QAM	12	13	14.47	14.53	14.30	16.30
5	64QAM	25	0	14.30	14.43	14.30	16.30
5	256QAM	1	0	14.43	14.57	14.46	16.30
5	256QAM	1	12	14.31	14.43	14.31	16.30
5	256QAM	1	24	14.30	14.46	14.34	16.30
5	256QAM	12	0	14.32	14.51	14.30	16.30
5	256QAM	12	7	14.34	14.55	14.33	16.30
5	256QAM	12	13	14.31	14.49	14.31	16.30
5	256QAM	25	0	14.32	14.44	14.30	16.30
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	14.45	14.55	14.35	16.30
3	QPSK	1	8	14.30	14.31	14.32	16.30
3	QPSK	1	14	14.35	14.56	14.38	16.30
3	QPSK	8	0	14.34	14.54	14.34	16.30
3	QPSK	8	4	14.46	14.49	14.42	16.30
3	QPSK	8	7	14.31	14.32	14.30	16.30
3	QPSK	15	0	14.33	14.34	14.31	16.30
3	16QAM	1	0	14.31	14.39	14.32	16.30
3	16QAM	1	8	14.30	14.35	14.30	16.30
3	16QAM	1	14	14.31	14.40	14.33	16.30
3	16QAM	8	0	14.30	14.39	14.31	16.30
3	16QAM	8	4	14.34	14.52	14.33	16.30
3	16QAM	8	7	14.32	14.33	14.31	16.30
3	16QAM	15	0	14.36	14.56	14.44	16.30
3	64QAM	1	0	14.33	14.33	14.32	16.30
3	64QAM	1	8	14.31	14.32	14.32	16.30
3	64QAM	1	14	14.31	14.42	14.30	16.30
3	64QAM	8	0	14.37	14.48	14.30	16.30
3	64QAM	8	4	14.32	14.38	14.31	16.30
3	64QAM	8	7	14.47	14.48	14.34	16.30
3	64QAM	15	0	14.30	14.36	14.30	16.30
3	256QAM	1	0	14.31	14.55	14.44	16.30
3	256QAM	1	8	14.30	14.32	14.30	16.30
3	256QAM	1	14	14.32	14.55	14.31	16.30
3	256QAM	8	0	14.35	14.47	14.36	16.30
3	256QAM	8	4	14.34	14.45	14.30	16.30
3	256QAM	8	7	14.33	14.45	14.31	16.30
3	256QAM	15	0	14.30	14.46	14.31	16.30
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	14.46	14.46	14.47	16.30
1.4	QPSK	1	3	14.30	14.34	14.31	16.30
1.4	QPSK	1	5	14.35	14.52	14.41	16.30
1.4	QPSK	3	0	14.30	14.55	14.35	16.30
1.4	QPSK	3	1	14.50	14.50	14.45	16.30
1.4	QPSK	3	3	14.31	14.31	14.30	16.30
1.4	QPSK	6	0	14.30	14.42	14.31	16.30
1.4	16QAM	1	0	14.31	14.30	14.31	16.30
1.4	16QAM	1	3	14.30	14.35	14.30	16.30
1.4	16QAM	1	5	14.30	14.44	14.32	16.30



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1.4	16QAM	3	0	14.31	14.48	14.30	16.30
1.4	16QAM	3	1	14.35	14.43	14.40	16.30
1.4	16QAM	3	3	14.31	14.40	14.35	16.30
1.4	16QAM	6	0	14.39	14.57	14.36	16.30
1.4	64QAM	1	0	14.31	14.38	14.32	16.30
1.4	64QAM	1	3	14.30	14.34	14.30	16.30
1.4	64QAM	1	5	14.30	14.45	14.30	16.30
1.4	64QAM	3	0	14.31	14.37	14.31	16.30
1.4	64QAM	3	1	14.35	14.38	14.36	16.30
1.4	64QAM	3	3	14.38	14.53	14.34	16.30
1.4	64QAM	6	0	14.31	14.45	14.30	16.30
1.4	256QAM	1	0	14.40	14.50	14.44	16.30
1.4	256QAM	1	3	14.30	14.38	14.30	16.30
1.4	256QAM	1	5	14.37	14.44	14.31	16.30
1.4	256QAM	3	0	14.32	14.57	14.30	16.30
1.4	256QAM	3	1	14.31	14.43	14.31	16.30
1.4	256QAM	3	3	14.42	14.47	14.32	16.30
1.4	256QAM	6	0	14.37	14.38	14.30	16.30

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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	17.90	17.95	17.82	19.40
20	QPSK	1	49	17.61	17.68	17.47	19.40
20	QPSK	1	99	17.72	17.85	17.67	19.40
20	QPSK	50	0	17.82	17.88	17.85	19.40
20	QPSK	50	24	17.70	17.78	17.63	19.40
20	QPSK	50	50	17.55	17.68	17.42	19.40
20	QPSK	100	0	17.71	17.86	17.63	19.40
20	16QAM	1	0	17.45	17.63	17.40	19.40
20	16QAM	1	49	17.68	17.75	17.58	19.40
20	16QAM	1	99	17.60	17.66	17.47	19.40
20	16QAM	50	0	17.61	17.79	17.58	19.40
20	16QAM	50	24	17.64	17.73	17.58	19.40
20	16QAM	50	50	17.73	17.81	17.66	19.40
20	16QAM	100	0	17.56	17.66	17.41	19.40
20	64QAM	1	0	17.50	17.67	17.50	19.40
20	64QAM	1	49	17.58	17.66	17.50	19.40
20	64QAM	1	99	17.64	17.74	17.56	19.40
20	64QAM	50	0	17.65	17.84	17.62	19.40
20	64QAM	50	24	17.56	17.67	17.40	19.40
20	64QAM	50	50	17.67	17.84	17.69	19.40
20	64QAM	100	0	17.73	17.85	17.64	19.40
20	256QAM	1	0	17.77	17.84	17.64	19.30
20	256QAM	1	49	17.61	17.75	17.58	19.30
20	256QAM	1	99	17.69	17.75	17.58	19.30
20	256QAM	50	0	17.45	17.64	17.39	19.30
20	256QAM	50	24	17.62	17.82	17.55	19.30
20	256QAM	50	50	17.59	17.70	17.52	19.30
20	256QAM	100	0	17.49	17.67	17.49	19.30
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.83	17.93	17.72	19.40
15	QPSK	1	37	17.59	17.62	17.40	19.40
15	QPSK	1	74	17.67	17.71	17.62	19.40
15	QPSK	36	0	17.68	17.73	17.74	19.40
15	QPSK	36	20	17.67	17.65	17.56	19.40
15	QPSK	36	39	17.40	17.55	17.40	19.40
15	QPSK	75	0	17.66	17.82	17.48	19.40
15	16QAM	1	0	17.40	17.52	17.42	19.40
15	16QAM	1	37	17.63	17.64	17.56	19.40
15	16QAM	1	74	17.53	17.59	17.45	19.40
15	16QAM	36	0	17.58	17.65	17.55	19.40
15	16QAM	36	20	17.56	17.63	17.43	19.40
15	16QAM	36	39	17.66	17.80	17.53	19.40
15	16QAM	75	0	17.43	17.59	17.40	19.40
15	64QAM	1	0	17.42	17.61	17.41	19.40
15	64QAM	1	37	17.54	17.56	17.49	19.40
15	64QAM	1	74	17.60	17.63	17.49	19.40
15	64QAM	36	0	17.59	17.76	17.60	19.40
15	64QAM	36	20	17.42	17.53	17.41	19.40



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15	64QAM	36	39	17.64	17.75	17.55	19.40
15	64QAM	75	0	17.59	17.72	17.50	19.40
15	256QAM	1	0	17.67	17.70	17.58	19.30
15	256QAM	1	37	17.50	17.67	17.50	19.30
15	256QAM	1	74	17.56	17.70	17.49	19.30
15	256QAM	36	0	17.37	17.52	17.30	19.30
15	256QAM	36	20	17.56	17.79	17.50	19.30
15	256QAM	36	39	17.47	17.64	17.40	19.30
15	256QAM	75	0	17.43	17.66	17.45	19.30
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	17.80	17.93	17.72	19.40
10	QPSK	1	25	17.46	17.63	17.40	19.40
10	QPSK	1	49	17.66	17.80	17.59	19.40
10	QPSK	25	0	17.77	17.80	17.71	19.40
10	QPSK	25	12	17.57	17.71	17.62	19.40
10	QPSK	25	25	17.41	17.55	17.41	19.40
10	QPSK	50	0	17.69	17.84	17.60	19.40
10	16QAM	1	0	17.41	17.60	17.40	19.40
10	16QAM	1	25	17.67	17.70	17.56	19.40
10	16QAM	1	49	17.54	17.61	17.42	19.40
10	16QAM	25	0	17.47	17.68	17.55	19.40
10	16QAM	25	12	17.56	17.62	17.44	19.40
10	16QAM	25	25	17.59	17.67	17.62	19.40
10	16QAM	50	0	17.53	17.60	17.40	19.40
10	64QAM	1	0	17.45	17.54	17.40	19.40
10	64QAM	1	25	17.49	17.59	17.46	19.40
10	64QAM	1	49	17.50	17.65	17.42	19.40
10	64QAM	25	0	17.63	17.77	17.48	19.40
10	64QAM	25	12	17.41	17.60	17.40	19.40
10	64QAM	25	25	17.59	17.82	17.57	19.40
10	64QAM	50	0	17.60	17.82	17.51	19.40
10	256QAM	1	0	17.63	17.71	17.54	19.30
10	256QAM	1	25	17.54	17.66	17.45	19.30
10	256QAM	1	49	17.57	17.63	17.47	19.30
10	256QAM	25	0	17.41	17.56	17.36	19.30
10	256QAM	25	12	17.59	17.75	17.45	19.30
10	256QAM	25	25	17.53	17.65	17.44	19.30
10	256QAM	50	0	17.46	17.61	17.39	19.30
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	17.79	17.91	17.79	19.40
5	QPSK	1	12	17.60	17.62	17.42	19.40
5	QPSK	1	24	17.65	17.78	17.54	19.40
5	QPSK	12	0	17.74	17.74	17.74	19.40
5	QPSK	12	7	17.56	17.65	17.58	19.40
5	QPSK	12	13	17.49	17.65	17.41	19.40
5	QPSK	25	0	17.57	17.75	17.60	19.40
5	16QAM	1	0	17.41	17.55	17.40	19.40
5	16QAM	1	12	17.57	17.71	17.49	19.40
5	16QAM	1	24	17.58	17.51	17.41	19.40
5	16QAM	12	0	17.51	17.65	17.44	19.40
5	16QAM	12	7	17.55	17.63	17.47	19.40
5	16QAM	12	13	17.69	17.67	17.61	19.40
5	16QAM	25	0	17.51	17.62	17.40	19.40
5	64QAM	1	0	17.46	17.55	17.42	19.40
5	64QAM	1	12	17.55	17.62	17.47	19.40
5	64QAM	1	24	17.55	17.60	17.55	19.40
5	64QAM	12	0	17.60	17.81	17.47	19.40
5	64QAM	12	7	17.51	17.56	17.40	19.40
5	64QAM	12	13	17.54	17.75	17.60	19.40
5	64QAM	25	0	17.63	17.82	17.63	19.40
5	256QAM	1	0	17.67	17.82	17.62	19.30
5	256QAM	1	12	17.59	17.74	17.47	19.30
5	256QAM	1	24	17.60	17.71	17.52	19.30
5	256QAM	12	0	17.35	17.61	17.30	19.30
5	256QAM	12	7	17.60	17.79	17.45	19.30
5	256QAM	12	13	17.45	17.61	17.42	19.30
5	256QAM	25	0	17.43	17.55	17.43	19.30
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	17.87	17.82	17.75	19.40
3	QPSK	1	8	17.52	17.63	17.41	19.40
3	QPSK	1	14	17.65	17.79	17.63	19.40
3	QPSK	8	0	17.80	17.84	17.71	19.40
3	QPSK	8	4	17.65	17.66	17.62	19.40
3	QPSK	8	7	17.45	17.59	17.40	19.40
3	QPSK	15	0	17.61	17.80	17.48	19.40



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3	16QAM	1	0	17.40	17.53	17.41	19.40
3	16QAM	1	8	17.62	17.68	17.48	19.40
3	16QAM	1	14	17.55	17.51	17.43	19.40
3	16QAM	8	0	17.53	17.73	17.53	19.40
3	16QAM	8	4	17.55	17.69	17.54	19.40
3	16QAM	8	7	17.63	17.75	17.61	19.40
3	16QAM	15	0	17.46	17.61	17.42	19.40
3	64QAM	1	0	17.47	17.55	17.43	19.40
3	64QAM	1	8	17.52	17.64	17.40	19.40
3	64QAM	1	14	17.58	17.68	17.46	19.40
3	64QAM	8	0	17.57	17.77	17.58	19.40
3	64QAM	8	4	17.51	17.54	17.40	19.40
3	64QAM	8	7	17.65	17.83	17.61	19.40
3	64QAM	15	0	17.60	17.79	17.59	19.40
3	256QAM	1	0	17.74	17.75	17.57	19.30
3	256QAM	1	8	17.58	17.70	17.50	19.30
3	256QAM	1	14	17.66	17.67	17.51	19.30
3	256QAM	8	0	17.41	17.58	17.31	19.30
3	256QAM	8	4	17.59	17.79	17.42	19.30
3	256QAM	8	7	17.49	17.65	17.48	19.30
3	256QAM	15	0	17.35	17.55	17.35	19.30
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.85	17.91	17.77	19.40
1.4	QPSK	1	3	17.56	17.60	17.42	19.40
1.4	QPSK	1	5	17.60	17.73	17.57	19.40
1.4	QPSK	3	0	17.80	17.86	17.79	19.40
1.4	QPSK	3	1	17.67	17.74	17.52	19.40
1.4	QPSK	3	3	17.48	17.54	17.40	19.40
1.4	QPSK	6	0	17.61	17.72	17.50	19.40
1.4	16QAM	1	0	17.40	17.50	17.41	19.40
1.4	16QAM	1	3	17.56	17.66	17.47	19.40
1.4	16QAM	1	5	17.54	17.61	17.40	19.40
1.4	16QAM	3	0	17.54	17.73	17.50	19.40
1.4	16QAM	3	1	17.56	17.62	17.56	19.40
1.4	16QAM	3	3	17.68	17.77	17.52	19.40
1.4	16QAM	6	0	17.48	17.58	17.41	19.40
1.4	64QAM	1	0	17.42	17.59	17.40	19.40
1.4	64QAM	1	3	17.52	17.57	17.49	19.40
1.4	64QAM	1	5	17.58	17.62	17.55	19.40
1.4	64QAM	3	0	17.56	17.73	17.58	19.40
1.4	64QAM	3	1	17.51	17.63	17.40	19.40
1.4	64QAM	3	3	17.64	17.76	17.66	19.40
1.4	64QAM	6	0	17.60	17.80	17.49	19.40
1.4	256QAM	1	0	17.73	17.75	17.49	19.30
1.4	256QAM	1	3	17.56	17.71	17.53	19.30
1.4	256QAM	1	5	17.55	17.67	17.49	19.30
1.4	256QAM	3	0	17.35	17.51	17.31	19.30
1.4	256QAM	3	1	17.47	17.70	17.47	19.30
1.4	256QAM	3	3	17.45	17.62	17.51	19.30
1.4	256QAM	6	0	17.45	17.66	17.40	19.30

【LTE Band 2_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.16	23.17	23.15	24.00
20	QPSK	1	49	22.89	23.04	22.98	24.00
20	QPSK	1	99	22.93	22.96	22.92	24.00
20	QPSK	50	0	22.14	22.23	22.11	23.00
20	QPSK	50	24	22.12	22.22	22.09	23.00
20	QPSK	50	50	21.98	22.14	22.05	23.00
20	QPSK	100	0	22.05	22.13	22.06	23.00
20	16QAM	1	0	22.28	22.40	22.36	23.00
20	16QAM	1	49	22.25	22.41	22.28	23.00
20	16QAM	1	99	22.15	22.25	22.11	23.00
20	16QAM	50	0	21.11	21.14	21.01	22.00
20	16QAM	50	24	21.12	21.17	21.13	22.00
20	16QAM	50	50	20.95	21.10	21.05	22.00
20	16QAM	100	0	21.07	21.13	21.03	22.00
20	64QAM	1	0	21.22	21.33	21.17	22.00
20	64QAM	1	49	21.18	21.22	21.17	22.00



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20	64QAM	1	99	21.17	21.28	21.22	22.00
20	64QAM	50	0	20.27	20.35	20.25	21.00
20	64QAM	50	24	20.21	20.23	20.15	21.00
20	64QAM	50	50	20.08	20.23	20.16	21.00
20	64QAM	100	0	20.07	20.17	20.11	21.00
20	256QAM	1	0	18.03	18.16	18.08	19.00
20	256QAM	1	49	18.21	18.34	18.21	19.00
20	256QAM	1	99	17.90	17.99	17.94	19.00
20	256QAM	50	0	17.97	18.05	18.01	19.00
20	256QAM	50	24	18.03	18.14	18.09	19.00
20	256QAM	50	50	18.08	18.15	18.00	19.00
20	256QAM	100	0	18.06	18.16	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.04	23.10	23.10	24.00
15	QPSK	1	37	22.75	22.90	22.94	24.00
15	QPSK	1	74	22.82	22.90	22.82	24.00
15	QPSK	36	0	22.07	22.17	22.09	23.00
15	QPSK	36	20	22.10	22.14	21.96	23.00
15	QPSK	36	39	21.94	22.06	21.91	23.00
15	QPSK	75	0	21.98	22.01	21.99	23.00
15	16QAM	1	0	22.19	22.38	22.29	23.00
15	16QAM	1	37	22.15	22.35	22.23	23.00
15	16QAM	1	74	22.09	22.19	22.09	23.00
15	16QAM	36	0	20.97	21.02	20.92	22.00
15	16QAM	36	20	21.11	21.13	21.09	22.00
15	16QAM	36	39	20.92	20.96	20.98	22.00
15	16QAM	75	0	21.03	21.07	20.98	22.00
15	64QAM	1	0	21.11	21.30	21.14	22.00
15	64QAM	1	37	21.06	21.14	21.12	22.00
15	64QAM	1	74	21.10	21.23	21.20	22.00
15	64QAM	36	0	20.22	20.31	20.14	21.00
15	64QAM	36	20	20.17	20.10	20.00	21.00
15	64QAM	36	39	20.04	20.21	20.14	21.00
15	64QAM	75	0	20.02	20.03	20.02	21.00
15	256QAM	1	0	17.99	18.05	18.04	19.00
15	256QAM	1	37	18.17	18.27	18.13	19.00
15	256QAM	1	74	17.77	17.88	17.82	19.00
15	256QAM	36	0	17.86	18.03	17.93	19.00
15	256QAM	36	20	17.94	18.08	18.00	19.00
15	256QAM	36	39	17.96	18.12	17.95	19.00
15	256QAM	75	0	17.94	18.08	18.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.07	23.10	23.10	24.00
10	QPSK	1	25	22.85	22.91	22.91	24.00
10	QPSK	1	49	22.87	22.89	22.83	24.00
10	QPSK	25	0	22.08	22.15	21.98	23.00
10	QPSK	25	12	22.11	22.15	22.04	23.00
10	QPSK	25	25	21.86	22.04	21.96	23.00
10	QPSK	50	0	21.93	22.01	22.02	23.00
10	16QAM	1	0	22.16	22.26	22.24	23.00
10	16QAM	1	25	22.13	22.39	22.20	23.00
10	16QAM	1	49	22.06	22.15	22.03	23.00
10	16QAM	25	0	21.06	21.04	21.00	22.00
10	16QAM	25	12	21.03	21.07	21.03	22.00
10	16QAM	25	25	20.91	21.01	21.01	22.00
10	16QAM	50	0	21.04	20.99	21.01	22.00
10	64QAM	1	0	21.14	21.21	21.09	22.00
10	64QAM	1	25	21.14	21.14	21.14	22.00
10	64QAM	1	49	21.13	21.22	21.07	22.00
10	64QAM	25	0	20.16	20.34	20.24	21.00
10	64QAM	25	12	20.10	20.18	20.07	21.00
10	64QAM	25	25	19.99	20.10	20.04	21.00
10	64QAM	50	0	20.02	20.15	20.02	21.00
10	256QAM	1	0	17.96	18.07	17.94	19.00
10	256QAM	1	25	18.20	18.23	18.18	19.00
10	256QAM	1	49	17.88	17.88	17.84	19.00
10	256QAM	25	0	17.88	18.03	17.93	19.00
10	256QAM	25	12	17.93	18.03	17.96	19.00
10	256QAM	25	25	18.03	18.01	17.88	19.00
10	256QAM	50	0	17.99	18.07	18.03	19.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.03	23.13	23.14	24.00
5	QPSK	1	12	22.85	23.02	22.90	24.00
5	QPSK	1	24	22.90	22.82	22.85	24.00
5	QPSK	12	0	22.02	22.22	22.00	23.00



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5	QPSK	12	7	22.00	22.20	21.96	23.00
5	QPSK	12	13	21.85	22.10	22.02	23.00
5	QPSK	25	0	21.97	22.04	22.01	23.00
5	16QAM	1	0	22.21	22.39	22.33	23.00
5	16QAM	1	12	22.18	22.34	22.16	23.00
5	16QAM	1	24	22.10	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.10	21.00	22.00
5	16QAM	12	7	20.97	21.11	20.99	22.00
5	16QAM	12	13	20.84	20.97	20.94	22.00
5	16QAM	25	0	20.95	21.08	20.92	22.00
5	64QAM	1	0	21.10	21.22	21.05	22.00
5	64QAM	1	12	21.07	21.12	21.04	22.00
5	64QAM	1	24	21.10	21.16	21.13	22.00
5	64QAM	12	0	20.26	20.23	20.12	21.00
5	64QAM	12	7	20.07	20.13	20.06	21.00
5	64QAM	12	13	19.94	20.21	20.09	21.00
5	64QAM	25	0	20.03	20.09	20.10	21.00
5	256QAM	1	0	17.96	18.09	18.07	19.00
5	256QAM	1	12	18.19	18.22	18.17	19.00
5	256QAM	1	24	17.86	17.98	17.90	19.00
5	256QAM	12	0	17.87	18.01	17.94	19.00
5	256QAM	12	7	17.90	18.11	17.95	19.00
5	256QAM	12	13	17.94	18.13	17.99	19.00
5	256QAM	25	0	17.94	18.03	17.94	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.03	23.10	23.13	24.00
3	QPSK	1	8	22.78	22.92	22.97	24.00
3	QPSK	1	14	22.87	22.84	22.84	24.00
3	QPSK	8	0	22.05	22.10	22.00	23.00
3	QPSK	8	4	22.08	22.12	22.01	23.00
3	QPSK	8	7	21.96	22.12	22.02	23.00
3	QPSK	15	0	21.97	22.11	21.98	23.00
3	16QAM	1	0	22.26	22.33	22.26	23.00
3	16QAM	1	8	22.23	22.32	22.14	23.00
3	16QAM	1	14	22.09	22.17	22.10	23.00
3	16QAM	8	0	21.07	21.07	20.91	22.00
3	16QAM	8	4	21.00	21.05	21.06	22.00
3	16QAM	8	7	20.90	21.06	20.99	22.00
3	16QAM	15	0	20.94	21.11	21.01	22.00
3	64QAM	1	0	21.12	21.31	21.11	22.00
3	64QAM	1	8	21.08	21.14	21.05	22.00
3	64QAM	1	14	21.12	21.27	21.21	22.00
3	64QAM	8	0	20.17	20.25	20.24	21.00
3	64QAM	8	4	20.17	20.10	20.03	21.00
3	64QAM	8	7	19.94	20.10	20.02	21.00
3	64QAM	15	0	20.00	20.14	20.04	21.00
3	256QAM	1	0	17.95	18.14	17.97	19.00
3	256QAM	1	8	18.09	18.30	18.07	19.00
3	256QAM	1	14	17.83	17.93	17.80	19.00
3	256QAM	8	0	17.91	18.02	17.94	19.00
3	256QAM	8	4	17.98	18.05	18.00	19.00
3	256QAM	8	7	17.99	18.13	17.87	19.00
3	256QAM	15	0	17.99	18.02	17.96	19.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.15	23.12	23.13	24.00
1.4	QPSK	1	3	22.75	22.93	22.95	24.00
1.4	QPSK	1	5	22.80	22.94	22.88	24.00
1.4	QPSK	3	0	23.03	23.12	23.04	24.00
1.4	QPSK	3	1	23.01	23.14	23.08	24.00
1.4	QPSK	3	3	22.86	23.09	22.90	24.00
1.4	QPSK	6	0	21.91	22.03	22.02	23.00
1.4	16QAM	1	0	22.18	22.30	22.26	23.00
1.4	16QAM	1	3	22.11	22.35	22.16	23.00
1.4	16QAM	1	5	22.10	22.17	22.03	23.00
1.4	16QAM	3	0	22.01	22.07	21.93	23.00
1.4	16QAM	3	1	21.99	22.09	22.01	23.00
1.4	16QAM	3	3	21.89	22.03	21.91	23.00
1.4	16QAM	6	0	20.95	21.06	21.02	22.00
1.4	64QAM	1	0	21.21	21.30	21.04	22.00
1.4	64QAM	1	3	21.06	21.15	21.04	22.00
1.4	64QAM	1	5	21.10	21.16	21.07	22.00
1.4	64QAM	3	0	21.16	21.29	21.11	22.00
1.4	64QAM	3	1	21.18	21.16	21.05	22.00
1.4	64QAM	3	3	20.99	21.13	21.02	22.00
1.4	64QAM	6	0	19.94	20.13	20.07	21.00
1.4	256QAM	1	0	17.92	18.14	17.97	19.00



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1.4	256QAM	1	3	18.14	18.29	18.12	19.00
1.4	256QAM	1	5	17.77	17.94	17.83	19.00
1.4	256QAM	3	0	17.91	17.92	17.99	19.00
1.4	256QAM	3	1	17.88	18.11	17.97	19.00
1.4	256QAM	3	3	18.05	18.14	17.98	19.00
1.4	256QAM	6	0	17.97	18.11	18.07	19.00

【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	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00



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10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00



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3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00



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Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00



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5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00



【LTE Band 2_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00



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10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00



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Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00



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15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00



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5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	14.79	14.89	14.81	16.70
20	QPSK	1	49	14.70	14.78	14.72	16.70
20	QPSK	1	99	14.70	14.77	14.71	16.70
20	QPSK	50	0	14.76	14.81	14.73	16.70



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20	QPSK	50	24	14.70	14.80	14.70	16.70
20	QPSK	50	50	14.70	14.80	14.71	16.70
20	QPSK	100	0	14.70	14.82	14.74	16.70
20	16QAM	1	0	14.71	14.78	14.71	16.70
20	16QAM	1	49	14.70	14.78	14.71	16.70
20	16QAM	1	99	14.70	14.75	14.70	16.70
20	16QAM	50	0	14.71	14.82	14.71	16.70
20	16QAM	50	24	14.70	14.76	14.71	16.70
20	16QAM	50	50	14.70	14.70	14.71	16.70
20	16QAM	100	0	14.71	14.76	14.70	16.70
20	64QAM	1	0	14.70	14.78	14.70	16.70
20	64QAM	1	49	14.70	14.75	14.71	16.70
20	64QAM	1	99	14.72	14.76	14.70	16.70
20	64QAM	50	0	14.70	14.75	14.71	16.70
20	64QAM	50	24	14.70	14.88	14.75	16.70
20	64QAM	50	50	14.71	14.80	14.72	16.70
20	64QAM	100	0	14.71	14.83	14.72	16.70
20	256QAM	1	0	14.70	14.78	14.70	16.70
20	256QAM	1	49	14.70	14.80	14.70	16.70
20	256QAM	1	99	14.71	14.81	14.70	16.70
20	256QAM	50	0	14.70	14.74	14.70	16.70
20	256QAM	50	24	14.70	14.71	14.70	16.70
20	256QAM	50	50	14.70	14.70	14.72	16.70
20	256QAM	100	0	14.71	14.76	14.70	16.70
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	14.75	14.78	14.71	16.70
15	QPSK	1	37	14.70	14.72	14.71	16.70
15	QPSK	1	74	14.70	14.74	14.70	16.70
15	QPSK	36	0	14.71	14.78	14.70	16.70
15	QPSK	36	20	14.71	14.72	14.71	16.70
15	QPSK	36	39	14.71	14.70	14.71	16.70
15	QPSK	75	0	14.72	14.71	14.70	16.70
15	16QAM	1	0	14.70	14.72	14.72	16.70
15	16QAM	1	37	14.70	14.70	14.72	16.70
15	16QAM	1	74	14.70	14.71	14.71	16.70
15	16QAM	36	0	14.70	14.78	14.70	16.70
15	16QAM	36	20	14.72	14.71	14.70	16.70
15	16QAM	36	39	14.70	14.70	14.70	16.70
15	16QAM	75	0	14.71	14.72	14.71	16.70
15	64QAM	1	0	14.72	14.76	14.71	16.70
15	64QAM	1	37	14.70	14.71	14.70	16.70
15	64QAM	1	74	14.70	14.70	14.70	16.70
15	64QAM	36	0	14.71	14.70	14.71	16.70
15	64QAM	36	20	14.70	14.75	14.71	16.70
15	64QAM	36	39	14.70	14.70	14.71	16.70
15	64QAM	75	0	14.72	14.71	14.70	16.70
15	256QAM	1	0	14.71	14.73	14.70	16.70
15	256QAM	1	37	14.71	14.71	14.70	16.70
15	256QAM	1	74	14.71	14.71	14.70	16.70
15	256QAM	36	0	14.71	14.72	14.70	16.70
15	256QAM	36	20	14.70	14.70	14.70	16.70
15	256QAM	36	39	14.70	14.71	14.70	16.70
15	256QAM	75	0	14.71	14.70	14.72	16.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	14.70	14.73	14.70	16.70
10	QPSK	1	25	14.70	14.76	14.70	16.70
10	QPSK	1	49	14.70	14.70	14.70	16.70
10	QPSK	25	0	14.72	14.78	14.70	16.70
10	QPSK	25	12	14.70	14.72	14.70	16.70
10	QPSK	25	25	14.70	14.71	14.72	16.70
10	QPSK	50	0	14.71	14.80	14.71	16.70
10	16QAM	1	0	14.70	14.70	14.71	16.70
10	16QAM	1	25	14.71	14.76	14.72	16.70
10	16QAM	1	49	14.70	14.74	14.70	16.70
10	16QAM	25	0	14.71	14.72	14.70	16.70
10	16QAM	25	12	14.70	14.71	14.71	16.70
10	16QAM	25	25	14.70	14.70	14.71	16.70
10	16QAM	50	0	14.71	14.70	14.70	16.70
10	64QAM	1	0	14.72	14.76	14.70	16.70
10	64QAM	1	25	14.71	14.70	14.70	16.70
10	64QAM	1	49	14.70	14.71	14.70	16.70
10	64QAM	25	0	14.72	14.70	14.70	16.70
10	64QAM	25	12	14.70	14.83	14.73	16.70
10	64QAM	25	25	14.72	14.72	14.70	16.70
10	64QAM	50	0	14.70	14.75	14.71	16.70
10	256QAM	1	0	14.70	14.71	14.70	16.70



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10	256QAM	1	25	14.71	14.78	14.70	16.70
10	256QAM	1	49	14.72	14.77	14.71	16.70
10	256QAM	25	0	14.71	14.71	14.72	16.70
10	256QAM	25	12	14.70	14.70	14.70	16.70
10	256QAM	25	25	14.71	14.71	14.72	16.70
10	256QAM	50	0	14.71	14.70	14.70	16.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	14.70	14.82	14.74	16.70
5	QPSK	1	12	14.70	14.76	14.71	16.70
5	QPSK	1	24	14.70	14.70	14.70	16.70
5	QPSK	12	0	14.70	14.83	14.70	16.70
5	QPSK	12	7	14.70	14.78	14.70	16.70
5	QPSK	12	13	14.71	14.75	14.71	16.70
5	QPSK	25	0	14.70	14.75	14.70	16.70
5	16QAM	1	0	14.71	14.71	14.70	16.70
5	16QAM	1	12	14.72	14.77	14.70	16.70
5	16QAM	1	24	14.70	14.73	14.70	16.70
5	16QAM	12	0	14.70	14.75	14.71	16.70
5	16QAM	12	7	14.70	14.73	14.70	16.70
5	16QAM	12	13	14.72	14.72	14.71	16.70
5	16QAM	25	0	14.70	14.71	14.71	16.70
5	64QAM	1	0	14.70	14.72	14.70	16.70
5	64QAM	1	12	14.72	14.74	14.70	16.70
5	64QAM	1	24	14.71	14.70	14.72	16.70
5	64QAM	12	0	14.70	14.70	14.70	16.70
5	64QAM	12	7	14.71	14.80	14.70	16.70
5	64QAM	12	13	14.70	14.78	14.71	16.70
5	64QAM	25	0	14.70	14.70	14.70	16.70
5	256QAM	1	0	14.71	14.70	14.71	16.70
5	256QAM	1	12	14.70	14.76	14.70	16.70
5	256QAM	1	24	14.71	14.70	14.72	16.70
5	256QAM	12	0	14.70	14.70	14.72	16.70
5	256QAM	12	7	14.70	14.70	14.72	16.70
5	256QAM	12	13	14.71	14.71	14.70	16.70
5	256QAM	25	0	14.70	14.70	14.70	16.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	14.76	14.82	14.74	16.70
3	QPSK	1	8	14.70	14.77	14.71	16.70
3	QPSK	1	14	14.70	14.71	14.70	16.70
3	QPSK	8	0	14.72	14.84	14.71	16.70
3	QPSK	8	4	14.72	14.79	14.71	16.70
3	QPSK	8	7	14.70	14.72	14.72	16.70
3	QPSK	15	0	14.71	14.78	14.70	16.70
3	16QAM	1	0	14.70	14.70	14.70	16.70
3	16QAM	1	8	14.70	14.76	14.70	16.70
3	16QAM	1	14	14.70	14.71	14.72	16.70
3	16QAM	8	0	14.70	14.76	14.70	16.70
3	16QAM	8	4	14.72	14.70	14.71	16.70
3	16QAM	8	7	14.72	14.71	14.71	16.70
3	16QAM	15	0	14.70	14.72	14.70	16.70
3	64QAM	1	0	14.70	14.74	14.71	16.70
3	64QAM	1	8	14.70	14.70	14.70	16.70
3	64QAM	1	14	14.70	14.71	14.70	16.70
3	64QAM	8	0	14.70	14.71	14.70	16.70
3	64QAM	8	4	14.70	14.81	14.70	16.70
3	64QAM	8	7	14.71	14.75	14.70	16.70
3	64QAM	15	0	14.70	14.71	14.70	16.70
3	256QAM	1	0	14.70	14.70	14.71	16.70
3	256QAM	1	8	14.70	14.70	14.70	16.70
3	256QAM	1	14	14.70	14.71	14.71	16.70
3	256QAM	8	0	14.70	14.70	14.71	16.70
3	256QAM	8	4	14.70	14.70	14.71	16.70
3	256QAM	8	7	14.70	14.72	14.70	16.70
3	256QAM	15	0	14.70	14.74	14.71	16.70
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	14.71	14.82	14.70	16.70
1.4	QPSK	1	3	14.71	14.76	14.70	16.70
1.4	QPSK	1	5	14.72	14.74	14.70	16.70
1.4	QPSK	3	0	14.73	14.84	14.71	16.70
1.4	QPSK	3	1	14.70	14.73	14.70	16.70
1.4	QPSK	3	3	14.71	14.75	14.71	16.70
1.4	QPSK	6	0	14.70	14.77	14.70	16.70
1.4	16QAM	1	0	14.71	14.76	14.71	16.70
1.4	16QAM	1	3	14.70	14.70	14.70	16.70
1.4	16QAM	1	5	14.70	14.70	14.71	16.70



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1.4	16QAM	3	0	14.70	14.80	14.70	16.70
1.4	16QAM	3	1	14.72	14.74	14.72	16.70
1.4	16QAM	3	3	14.70	14.70	14.70	16.70
1.4	16QAM	6	0	14.70	14.73	14.72	16.70
1.4	64QAM	1	0	14.71	14.70	14.70	16.70
1.4	64QAM	1	3	14.71	14.72	14.70	16.70
1.4	64QAM	1	5	14.71	14.70	14.72	16.70
1.4	64QAM	3	0	14.71	14.70	14.70	16.70
1.4	64QAM	3	1	14.70	14.76	14.70	16.70
1.4	64QAM	3	3	14.70	14.70	14.70	16.70
1.4	64QAM	6	0	14.70	14.75	14.71	16.70
1.4	256QAM	1	0	14.71	14.71	14.71	16.70
1.4	256QAM	1	3	14.71	14.77	14.71	16.70
1.4	256QAM	1	5	14.70	14.78	14.71	16.70
1.4	256QAM	3	0	14.70	14.71	14.71	16.70
1.4	256QAM	3	1	14.71	14.71	14.70	16.70
1.4	256QAM	3	3	14.70	14.70	14.70	16.70
1.4	256QAM	6	0	14.70	14.72	14.71	16.70

【LTE Band 2_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00



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15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00



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3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00



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20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00



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5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00



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1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 4_Ant 3_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					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		23.37		24.00
20	QPSK	1	49		23.35		24.00
20	QPSK	1	99		23.14		24.00
20	QPSK	50	0		22.35		23.00
20	QPSK	50	24		22.25		23.00
20	QPSK	50	50		22.30		23.00
20	QPSK	100	0		22.23		23.00
20	16QAM	1	0		22.43		23.00
20	16QAM	1	49		22.44		23.00
20	16QAM	1	99		22.42		23.00
20	16QAM	50	0		21.26		22.00
20	16QAM	50	24		21.28		22.00
20	16QAM	50	50		21.32		22.00
20	16QAM	100	0		21.26		22.00
20	64QAM	1	0		21.34		22.00
20	64QAM	1	49		21.52		22.00
20	64QAM	1	99		21.35		22.00
20	64QAM	50	0		20.28		21.00
20	64QAM	50	24		20.24		21.00
20	64QAM	50	50		20.37		21.00
20	64QAM	100	0		20.25		21.00
20	256QAM	1	0		18.37		19.00
20	256QAM	1	49		18.39		19.00
20	256QAM	1	99		18.36		19.00
20	256QAM	50	0		18.27		19.00
20	256QAM	50	24		18.32		19.00
20	256QAM	50	50		18.27		19.00
20	256QAM	100	0		18.25		19.00
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	23.03	23.27	23.12	24.00
15	QPSK	1	37	23.01	23.32	23.01	24.00
15	QPSK	1	74	23.01	23.12	23.00	24.00
15	QPSK	36	0	22.03	22.30	22.12	23.00
15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	22.00	22.27	22.02	23.00
15	QPSK	75	0	22.00	22.19	22.00	23.00
15	16QAM	1	0	22.14	22.28	22.05	23.00
15	16QAM	1	37	22.09	22.30	22.11	23.00
15	16QAM	1	74	22.17	22.40	22.06	23.00
15	16QAM	36	0	21.00	21.23	21.10	22.00
15	16QAM	36	20	21.00	21.17	21.02	22.00
15	16QAM	36	39	21.00	21.19	21.00	22.00
15	16QAM	75	0	21.02	21.19	21.00	22.00
15	64QAM	1	0	21.02	21.31	21.04	22.00
15	64QAM	1	37	21.13	21.46	21.22	22.00
15	64QAM	1	74	21.03	21.31	21.06	22.00
15	64QAM	36	0	20.02	20.26	20.03	21.00
15	64QAM	36	20	20.00	20.16	20.01	21.00
15	64QAM	36	39	20.07	20.35	20.02	21.00
15	64QAM	75	0	20.00	20.22	20.06	21.00
15	256QAM	1	0	18.00	18.24	18.02	19.00
15	256QAM	1	37	18.15	18.37	18.11	19.00
15	256QAM	1	74	18.01	18.30	18.03	19.00
15	256QAM	36	0	18.01	18.15	18.02	19.00
15	256QAM	36	20	18.03	18.26	18.12	19.00
15	256QAM	36	39	18.00	18.18	18.00	19.00
15	256QAM	75	0	18.02	18.15	18.01	19.00
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	23.11	23.28	23.11	24.00



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10	QPSK	1	25	23.00	23.30	23.02	24.00
10	QPSK	1	49	23.02	23.09	23.00	24.00
10	QPSK	25	0	22.00	22.33	22.04	23.00
10	QPSK	25	12	22.00	22.16	22.00	23.00
10	QPSK	25	25	22.01	22.27	22.01	23.00
10	QPSK	50	0	22.00	22.21	22.01	23.00
10	16QAM	1	0	22.12	22.34	22.03	23.00
10	16QAM	1	25	22.20	22.36	22.05	23.00
10	16QAM	1	49	22.07	22.35	22.00	23.00
10	16QAM	25	0	21.01	21.13	21.04	22.00
10	16QAM	25	12	21.01	21.26	21.01	22.00
10	16QAM	25	25	21.01	21.28	21.01	22.00
10	16QAM	50	0	21.01	21.21	21.01	22.00
10	64QAM	1	0	21.05	21.29	21.00	22.00
10	64QAM	1	25	21.22	21.46	21.18	22.00
10	64QAM	1	49	21.08	21.22	21.05	22.00
10	64QAM	25	0	20.03	20.22	20.02	21.00
10	64QAM	25	12	20.01	20.17	20.00	21.00
10	64QAM	25	25	20.12	20.33	20.06	21.00
10	64QAM	50	0	20.01	20.23	20.08	21.00
10	256QAM	1	0	18.01	18.29	18.03	19.00
10	256QAM	1	25	18.08	18.27	18.08	19.00
10	256QAM	1	49	18.03	18.34	18.07	19.00
10	256QAM	25	0	18.01	18.18	18.12	19.00
10	256QAM	25	12	18.12	18.24	18.01	19.00
10	256QAM	25	25	18.00	18.17	18.01	19.00
10	256QAM	50	0	18.00	18.17	18.06	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.14	23.26	23.11	24.00
5	QPSK	1	12	23.02	23.26	23.00	24.00
5	QPSK	1	24	23.01	23.00	23.00	24.00
5	QPSK	12	0	22.02	22.23	22.10	23.00
5	QPSK	12	7	22.00	22.13	22.01	23.00
5	QPSK	12	13	22.01	22.21	22.01	23.00
5	QPSK	25	0	22.00	22.09	22.00	23.00
5	16QAM	1	0	22.15	22.33	22.05	23.00
5	16QAM	1	12	22.16	22.38	22.12	23.00
5	16QAM	1	24	22.13	22.40	22.12	23.00
5	16QAM	12	0	21.00	21.11	21.00	22.00
5	16QAM	12	7	21.01	21.13	21.01	22.00
5	16QAM	12	13	21.00	21.17	21.00	22.00
5	16QAM	25	0	21.01	21.22	21.02	22.00
5	64QAM	1	0	21.02	21.29	21.01	22.00
5	64QAM	1	12	21.23	21.40	21.28	22.00
5	64QAM	1	24	21.08	21.32	21.14	22.00
5	64QAM	12	0	20.01	20.18	20.01	21.00
5	64QAM	12	7	20.00	20.14	20.00	21.00
5	64QAM	12	13	20.09	20.24	20.05	21.00
5	64QAM	25	0	20.00	20.18	20.03	21.00
5	256QAM	1	0	18.01	18.24	18.11	19.00
5	256QAM	1	12	18.03	18.32	18.01	19.00
5	256QAM	1	24	18.00	18.22	18.02	19.00
5	256QAM	12	0	18.01	18.25	18.11	19.00
5	256QAM	12	7	18.12	18.17	18.09	19.00
5	256QAM	12	13	18.01	18.20	18.04	19.00
5	256QAM	25	0	18.00	18.21	18.03	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.03	23.35	23.12	24.00
3	QPSK	1	8	23.00	23.28	23.00	24.00
3	QPSK	1	14	23.01	23.03	23.01	24.00
3	QPSK	8	0	22.01	22.31	22.12	23.00
3	QPSK	8	4	22.00	22.13	22.00	23.00
3	QPSK	8	7	22.01	22.17	22.01	23.00
3	QPSK	15	0	22.00	22.15	22.00	23.00
3	16QAM	1	0	22.08	22.40	22.09	23.00
3	16QAM	1	8	22.13	22.36	22.10	23.00
3	16QAM	1	14	22.06	22.30	22.01	23.00
3	16QAM	8	0	21.00	21.25	21.02	22.00
3	16QAM	8	4	21.01	21.23	21.01	22.00
3	16QAM	8	7	21.07	21.20	21.03	22.00
3	16QAM	15	0	21.02	21.22	21.04	22.00
3	64QAM	1	0	21.00	21.30	21.01	22.00
3	64QAM	1	8	21.15	21.50	21.19	22.00
3	64QAM	1	14	21.06	21.29	21.14	22.00
3	64QAM	8	0	20.01	20.15	20.02	21.00
3	64QAM	8	4	20.01	20.09	20.01	21.00



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3	64QAM	8	7	20.06	20.29	20.09	21.00
3	64QAM	15	0	20.02	20.21	20.07	21.00
3	256QAM	1	0	18.01	18.22	18.01	19.00
3	256QAM	1	8	18.03	18.38	18.01	19.00
3	256QAM	1	14	18.01	18.22	18.00	19.00
3	256QAM	8	0	18.01	18.20	18.04	19.00
3	256QAM	8	4	18.07	18.25	18.10	19.00
3	256QAM	8	7	18.01	18.14	18.03	19.00
3	256QAM	15	0	18.01	18.13	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	23.09	23.23	23.09	24.00
1.4	QPSK	1	3	23.00	23.30	23.00	24.00
1.4	QPSK	1	5	23.01	23.01	23.00	24.00
1.4	QPSK	3	0	23.01	23.33	23.05	24.00
1.4	QPSK	3	1	23.00	23.10	23.00	24.00
1.4	QPSK	3	3	23.00	23.28	23.03	24.00
1.4	QPSK	6	0	22.00	22.21	22.01	23.00
1.4	16QAM	1	0	22.09	22.30	22.11	23.00
1.4	16QAM	1	3	22.17	22.35	22.05	23.00
1.4	16QAM	1	5	22.16	22.35	22.12	23.00
1.4	16QAM	3	0	22.01	22.14	22.00	23.00
1.4	16QAM	3	1	22.01	22.19	22.07	23.00
1.4	16QAM	3	3	22.04	22.25	22.05	23.00
1.4	16QAM	6	0	21.01	21.15	21.00	22.00
1.4	64QAM	1	0	21.00	21.30	21.03	22.00
1.4	64QAM	1	3	21.12	21.48	21.23	22.00
1.4	64QAM	1	5	21.02	21.27	21.09	22.00
1.4	64QAM	3	0	21.01	21.16	21.09	22.00
1.4	64QAM	3	1	21.01	21.11	21.01	22.00
1.4	64QAM	3	3	21.07	21.30	21.00	22.00
1.4	64QAM	6	0	20.01	20.13	20.00	21.00
1.4	256QAM	1	0	18.00	18.29	18.13	19.00
1.4	256QAM	1	3	18.04	18.28	18.05	19.00
1.4	256QAM	1	5	18.04	18.27	18.01	19.00
1.4	256QAM	3	0	18.02	18.17	18.06	19.00
1.4	256QAM	3	1	18.10	18.27	18.14	19.00
1.4	256QAM	3	3	18.00	18.23	18.01	19.00
1.4	256QAM	6	0	18.05	18.10	18.08	19.00

【LTE Band 4_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		20.39		21.50
20	QPSK	1	49		20.38		21.50
20	QPSK	1	99		20.24		21.50
20	QPSK	50	0		20.29		21.50
20	QPSK	50	24		20.31		21.50
20	QPSK	50	50		20.25		21.50
20	QPSK	100	0		20.22		21.50
20	16QAM	1	0		20.26		21.50
20	16QAM	1	49		20.24		21.50
20	16QAM	1	99		20.22		21.50
20	16QAM	50	0		20.11		21.50
20	16QAM	50	24		20.19		21.50
20	16QAM	50	50		20.24		21.50
20	16QAM	100	0		20.16		21.50
20	64QAM	1	0		20.20		21.50
20	64QAM	1	49		20.23		21.50
20	64QAM	1	99		20.11		21.50
20	64QAM	50	0		19.85		21.00
20	64QAM	50	24		19.76		21.00
20	64QAM	50	50		19.88		21.00
20	64QAM	100	0		19.84		21.00
20	256QAM	1	0		18.37		19.00
20	256QAM	1	49		18.39		19.00
20	256QAM	1	99		18.36		19.00
20	256QAM	50	0		18.27		19.00
20	256QAM	50	24		18.32		19.00
20	256QAM	50	50		18.27		19.00
20	256QAM	100	0		18.25		19.00



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Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.22	20.28	20.21	21.50
15	QPSK	1	37	20.20	20.35	20.22	21.50
15	QPSK	1	74	20.08	20.11	20.07	21.50
15	QPSK	36	0	20.14	20.27	20.14	21.50
15	QPSK	36	20	20.08	20.27	20.09	21.50
15	QPSK	36	39	20.06	20.18	20.13	21.50
15	QPSK	75	0	20.05	20.12	20.01	21.50
15	16QAM	1	0	20.04	20.18	20.03	21.50
15	16QAM	1	37	20.01	20.14	20.00	21.50
15	16QAM	1	74	19.95	20.18	19.99	21.50
15	16QAM	36	0	19.98	20.02	19.93	21.50
15	16QAM	36	20	19.95	20.15	19.99	21.50
15	16QAM	36	39	20.07	20.15	19.98	21.50
15	16QAM	75	0	19.94	20.04	19.96	21.50
15	64QAM	1	0	20.11	20.05	19.92	21.50
15	64QAM	1	37	20.09	20.11	19.91	21.50
15	64QAM	1	74	19.88	20.05	19.93	21.50
15	64QAM	36	0	19.76	19.71	19.67	21.00
15	64QAM	36	20	19.43	19.71	19.45	21.00
15	64QAM	36	39	19.74	19.76	19.66	21.00
15	64QAM	75	0	19.58	19.78	19.67	21.00
15	256QAM	1	0	18.12	18.27	18.18	19.00
15	256QAM	1	37	18.22	18.37	18.22	19.00
15	256QAM	1	74	18.18	18.30	18.24	19.00
15	256QAM	36	0	18.01	18.22	18.13	19.00
15	256QAM	36	20	18.10	18.27	18.16	19.00
15	256QAM	36	39	17.95	18.23	18.07	19.00
15	256QAM	75	0	18.14	18.21	18.07	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.23	20.28	20.28	21.50
10	QPSK	1	25	20.17	20.33	20.19	21.50
10	QPSK	1	49	20.14	20.20	20.02	21.50
10	QPSK	25	0	20.14	20.17	20.09	21.50
10	QPSK	25	12	20.15	20.23	20.08	21.50
10	QPSK	25	25	20.13	20.11	20.04	21.50
10	QPSK	50	0	20.00	20.13	20.11	21.50
10	16QAM	1	0	20.10	20.21	20.03	21.50
10	16QAM	1	25	19.98	20.21	19.96	21.50
10	16QAM	1	49	19.94	20.12	19.93	21.50
10	16QAM	25	0	19.97	20.01	19.93	21.50
10	16QAM	25	12	20.07	20.08	20.00	21.50
10	16QAM	25	25	20.08	20.15	20.05	21.50
10	16QAM	50	0	19.94	20.09	19.95	21.50
10	64QAM	1	0	20.11	20.16	19.97	21.50
10	64QAM	1	25	20.00	20.16	20.01	21.50
10	64QAM	1	49	19.99	20.08	19.83	21.50
10	64QAM	25	0	19.75	19.77	19.61	21.00
10	64QAM	25	12	19.55	19.72	19.50	21.00
10	64QAM	25	25	19.74	19.79	19.54	21.00
10	64QAM	50	0	19.57	19.72	19.59	21.00
10	256QAM	1	0	18.06	18.25	18.15	19.00
10	256QAM	1	25	18.25	18.37	18.17	19.00
10	256QAM	1	49	18.15	18.26	18.15	19.00
10	256QAM	25	0	17.98	18.13	18.13	19.00
10	256QAM	25	12	18.03	18.26	18.18	19.00
10	256QAM	25	25	17.99	18.16	18.06	19.00
10	256QAM	50	0	18.05	18.17	18.07	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.30	20.25	20.25	21.50
5	QPSK	1	12	20.27	20.25	20.13	21.50
5	QPSK	1	24	20.16	20.15	20.02	21.50
5	QPSK	12	0	20.11	20.22	20.08	21.50
5	QPSK	12	7	20.07	20.28	20.13	21.50
5	QPSK	12	13	20.06	20.22	20.02	21.50
5	QPSK	25	0	20.05	20.08	20.03	21.50
5	16QAM	1	0	20.04	20.25	20.04	21.50
5	16QAM	1	12	19.99	20.10	20.02	21.50
5	16QAM	1	24	20.02	20.11	19.98	21.50
5	16QAM	12	0	19.90	20.00	19.92	21.50
5	16QAM	12	7	20.02	20.12	20.06	21.50
5	16QAM	12	13	19.99	20.10	19.95	21.50
5	16QAM	25	0	19.93	20.06	19.91	21.50
5	64QAM	1	0	20.02	20.12	19.95	21.50
5	64QAM	1	12	20.04	20.21	19.94	21.50



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5	64QAM	1	24	19.96	20.02	19.87	21.50
5	64QAM	12	0	19.67	19.76	19.61	21.00
5	64QAM	12	7	19.45	19.62	19.49	21.00
5	64QAM	12	13	19.68	19.74	19.65	21.00
5	64QAM	25	0	19.64	19.82	19.60	21.00
5	256QAM	1	0	18.08	18.34	18.11	19.00
5	256QAM	1	12	18.12	18.31	18.24	19.00
5	256QAM	1	24	18.13	18.30	18.23	19.00
5	256QAM	12	0	18.01	18.14	18.06	19.00
5	256QAM	12	7	18.01	18.19	18.12	19.00
5	256QAM	12	13	18.06	18.21	18.09	19.00
5	256QAM	25	0	18.06	18.18	18.02	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.21	20.37	20.28	21.50
3	QPSK	1	8	20.21	20.25	20.14	21.50
3	QPSK	1	14	20.05	20.22	20.11	21.50
3	QPSK	8	0	20.19	20.26	20.16	21.50
3	QPSK	8	4	20.04	20.30	20.11	21.50
3	QPSK	8	7	20.09	20.12	20.00	21.50
3	QPSK	15	0	20.04	20.19	20.03	21.50
3	16QAM	1	0	20.07	20.20	20.03	21.50
3	16QAM	1	8	19.92	20.11	20.00	21.50
3	16QAM	1	14	19.97	20.20	19.87	21.50
3	16QAM	8	0	19.88	20.04	19.91	21.50
3	16QAM	8	4	20.05	20.07	20.08	21.50
3	16QAM	8	7	19.98	20.13	19.98	21.50
3	16QAM	15	0	19.90	20.09	19.98	21.50
3	64QAM	1	0	20.10	20.16	20.00	21.50
3	64QAM	1	8	20.01	20.20	19.91	21.50
3	64QAM	1	14	19.99	19.97	19.87	21.50
3	64QAM	8	0	19.74	19.75	19.61	21.00
3	64QAM	8	4	19.56	19.66	19.42	21.00
3	64QAM	8	7	19.67	19.85	19.62	21.00
3	64QAM	15	0	19.57	19.76	19.64	21.00
3	256QAM	1	0	18.17	18.30	18.17	19.00
3	256QAM	1	8	18.14	18.25	18.16	19.00
3	256QAM	1	14	18.11	18.25	18.26	19.00
3	256QAM	8	0	17.94	18.17	18.05	19.00
3	256QAM	8	4	18.15	18.27	18.13	19.00
3	256QAM	8	7	17.99	18.24	18.09	19.00
3	256QAM	15	0	18.16	18.11	18.00	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.25	20.30	20.30	21.50
1.4	QPSK	1	3	20.29	20.33	20.16	21.50
1.4	QPSK	1	5	20.11	20.18	20.10	21.50
1.4	QPSK	3	0	20.12	20.28	20.12	21.50
1.4	QPSK	3	1	20.02	20.26	20.17	21.50
1.4	QPSK	3	3	20.02	20.15	20.01	21.50
1.4	QPSK	6	0	19.98	20.11	20.07	21.50
1.4	16QAM	1	0	20.06	20.24	19.96	21.50
1.4	16QAM	1	3	19.92	20.20	19.93	21.50
1.4	16QAM	1	5	20.01	20.12	19.89	21.50
1.4	16QAM	3	0	20.00	19.97	19.97	21.50
1.4	16QAM	3	1	20.02	20.16	20.09	21.50
1.4	16QAM	3	3	20.07	20.20	20.05	21.50
1.4	16QAM	6	0	19.94	20.12	20.00	21.50
1.4	64QAM	1	0	20.01	20.18	19.95	21.50
1.4	64QAM	1	3	20.08	20.21	19.90	21.50
1.4	64QAM	1	5	19.90	20.06	19.89	21.50
1.4	64QAM	3	0	19.68	19.81	19.63	21.50
1.4	64QAM	3	1	19.55	19.62	19.50	21.50
1.4	64QAM	3	3	19.67	19.74	19.65	21.50
1.4	64QAM	6	0	19.52	19.69	19.64	21.00
1.4	256QAM	1	0	18.14	18.31	18.12	19.00
1.4	256QAM	1	3	18.23	18.26	18.26	19.00
1.4	256QAM	1	5	18.11	18.31	18.16	19.00
1.4	256QAM	3	0	18.04	18.18	18.17	19.00
1.4	256QAM	3	1	18.02	18.24	18.17	19.00
1.4	256QAM	3	3	17.94	18.19	18.07	19.00
1.4	256QAM	6	0	18.03	18.10	18.10	19.00

**【LTE Band 4_Ant 3_DSI 3】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		17.34		19.10
20	QPSK	1	49		17.17		19.10
20	QPSK	1	99		17.19		19.10
20	QPSK	50	0		17.25		19.10
20	QPSK	50	24		17.11		19.10
20	QPSK	50	50		17.16		19.10
20	QPSK	100	0		17.18		19.10
20	16QAM	1	0		17.24		19.10
20	16QAM	1	49		17.16		19.10
20	16QAM	1	99		17.12		19.10
20	16QAM	50	0		17.16		19.10
20	16QAM	50	24		17.11		19.10
20	16QAM	50	50		17.15		19.10
20	16QAM	100	0		17.18		19.10
20	64QAM	1	0		17.16		19.10
20	64QAM	1	49		17.10		19.10
20	64QAM	1	99		17.14		19.10
20	64QAM	50	0		17.18		19.10
20	64QAM	50	24		17.12		19.10
20	64QAM	50	50		17.11		19.10
20	64QAM	100	0		17.21		19.10
20	256QAM	1	0		17.06		19.00
20	256QAM	1	49		17.09		19.00
20	256QAM	1	99		17.06		19.00
20	256QAM	50	0		17.06		19.00
20	256QAM	50	24		17.11		19.00
20	256QAM	50	50		17.09		19.00
20	256QAM	100	0		17.19		19.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	17.21	17.23	17.17	19.10
15	QPSK	1	37	17.10	17.10	17.11	19.10
15	QPSK	1	74	17.10	17.16	17.10	19.10
15	QPSK	36	0	17.10	17.22	17.10	19.10
15	QPSK	36	20	17.10	17.11	17.10	19.10
15	QPSK	36	39	17.10	17.11	17.11	19.10
15	QPSK	75	0	17.10	17.10	17.11	19.10
15	16QAM	1	0	17.10	17.23	17.10	19.10
15	16QAM	1	37	17.11	17.10	17.10	19.10
15	16QAM	1	74	17.11	17.10	17.10	19.10
15	16QAM	36	0	17.11	17.10	17.10	19.10
15	16QAM	36	20	17.10	17.10	17.11	19.10
15	16QAM	36	39	17.12	17.10	17.10	19.10
15	16QAM	75	0	17.10	17.11	17.11	19.10
15	64QAM	1	0	17.10	17.15	17.10	19.10
15	64QAM	1	37	17.10	17.10	17.10	19.10
15	64QAM	1	74	17.11	17.11	17.10	19.10
15	64QAM	36	0	17.10	17.10	17.10	19.10
15	64QAM	36	20	17.11	17.12	17.10	19.10
15	64QAM	36	39	17.10	17.10	17.10	19.10
15	64QAM	75	0	17.11	17.10	17.10	19.10
15	256QAM	1	0	17.01	17.00	17.01	19.00
15	256QAM	1	37	17.02	17.03	17.00	19.00
15	256QAM	1	74	17.00	17.00	17.01	19.00
15	256QAM	36	0	17.01	17.01	17.00	19.00
15	256QAM	36	20	17.01	17.10	17.00	19.00
15	256QAM	36	39	17.01	17.01	17.02	19.00
15	256QAM	75	0	17.00	17.10	17.00	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	17.12	17.30	17.19	19.10
10	QPSK	1	25	17.10	17.16	17.10	19.10
10	QPSK	1	49	17.10	17.13	17.11	19.10
10	QPSK	25	0	17.10	17.16	17.10	19.10
10	QPSK	25	12	17.12	17.10	17.11	19.10
10	QPSK	25	25	17.11	17.14	17.10	19.10
10	QPSK	50	0	17.11	17.12	17.10	19.10
10	16QAM	1	0	17.10	17.18	17.10	19.10
10	16QAM	1	25	17.10	17.11	17.10	19.10
10	16QAM	1	49	17.11	17.11	17.10	19.10



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10	16QAM	25	0	17.11	17.10	17.10	19.10
10	16QAM	25	12	17.10	17.10	17.10	19.10
10	16QAM	25	25	17.10	17.11	17.11	19.10
10	16QAM	50	0	17.10	17.12	17.10	19.10
10	64QAM	1	0	17.12	17.12	17.10	19.10
10	64QAM	1	25	17.10	17.10	17.10	19.10
10	64QAM	1	49	17.10	17.12	17.10	19.10
10	64QAM	25	0	17.10	17.13	17.11	19.10
10	64QAM	25	12	17.10	17.10	17.10	19.10
10	64QAM	25	25	17.11	17.11	17.10	19.10
10	64QAM	50	0	17.12	17.17	17.12	19.10
10	256QAM	1	0	17.00	17.04	17.01	19.00
10	256QAM	1	25	17.01	17.00	17.00	19.00
10	256QAM	1	49	17.00	17.00	17.01	19.00
10	256QAM	25	0	17.02	17.00	17.01	19.00
10	256QAM	25	12	17.02	17.08	17.02	19.00
10	256QAM	25	25	17.02	17.00	17.00	19.00
10	256QAM	50	0	17.02	17.10	17.01	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.22	17.23	17.17	19.10
5	QPSK	1	12	17.10	17.12	17.11	19.10
5	QPSK	1	24	17.10	17.10	17.11	19.10
5	QPSK	12	0	17.10	17.16	17.11	19.10
5	QPSK	12	7	17.10	17.10	17.10	19.10
5	QPSK	12	13	17.11	17.11	17.10	19.10
5	QPSK	25	0	17.10	17.10	17.10	19.10
5	16QAM	1	0	17.11	17.20	17.10	19.10
5	16QAM	1	12	17.10	17.14	17.10	19.10
5	16QAM	1	24	17.11	17.10	17.10	19.10
5	16QAM	12	0	17.11	17.10	17.10	19.10
5	16QAM	12	7	17.11	17.10	17.10	19.10
5	16QAM	12	13	17.11	17.10	17.10	19.10
5	16QAM	25	0	17.10	17.12	17.11	19.10
5	64QAM	1	0	17.10	17.11	17.11	19.10
5	64QAM	1	12	17.10	17.12	17.11	19.10
5	64QAM	1	24	17.11	17.10	17.10	19.10
5	64QAM	12	0	17.10	17.10	17.10	19.10
5	64QAM	12	7	17.10	17.11	17.10	19.10
5	64QAM	12	13	17.10	17.11	17.11	19.10
5	64QAM	25	0	17.10	17.10	17.10	19.10
5	256QAM	1	0	17.00	17.00	17.00	19.00
5	256QAM	1	12	17.01	17.04	17.00	19.00
5	256QAM	1	24	17.00	17.05	17.00	19.00
5	256QAM	12	0	17.01	17.01	17.02	19.00
5	256QAM	12	7	17.00	17.01	17.01	19.00
5	256QAM	12	13	17.00	17.04	17.02	19.00
5	256QAM	25	0	17.02	17.18	17.01	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	17.18	17.22	17.10	19.10
3	QPSK	1	8	17.11	17.10	17.10	19.10
3	QPSK	1	14	17.11	17.12	17.11	19.10
3	QPSK	8	0	17.10	17.19	17.10	19.10
3	QPSK	8	4	17.10	17.10	17.10	19.10
3	QPSK	8	7	17.11	17.12	17.11	19.10
3	QPSK	15	0	17.11	17.11	17.11	19.10
3	16QAM	1	0	17.10	17.13	17.12	19.10
3	16QAM	1	8	17.11	17.15	17.11	19.10
3	16QAM	1	14	17.10	17.10	17.11	19.10
3	16QAM	8	0	17.10	17.10	17.11	19.10
3	16QAM	8	4	17.12	17.10	17.12	19.10
3	16QAM	8	7	17.11	17.10	17.10	19.10
3	16QAM	15	0	17.12	17.11	17.10	19.10
3	64QAM	1	0	17.10	17.11	17.11	19.10
3	64QAM	1	8	17.10	17.11	17.11	19.10
3	64QAM	1	14	17.10	17.10	17.10	19.10
3	64QAM	8	0	17.10	17.10	17.10	19.10
3	64QAM	8	4	17.10	17.10	17.10	19.10
3	64QAM	8	7	17.11	17.10	17.10	19.10
3	64QAM	15	0	17.10	17.16	17.10	19.10
3	256QAM	1	0	17.01	17.00	17.00	19.00
3	256QAM	1	8	17.00	17.00	17.00	19.00
3	256QAM	1	14	17.01	17.01	17.01	19.00
3	256QAM	8	0	17.00	17.00	17.00	19.00
3	256QAM	8	4	17.00	17.01	17.00	19.00
3	256QAM	8	7	17.00	17.05	17.02	19.00
3	256QAM	15	0	17.00	17.05	17.00	19.00



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Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	17.22	17.29	17.12	19.10
1.4	QPSK	1	3	17.10	17.15	17.11	19.10
1.4	QPSK	1	5	17.12	17.12	17.10	19.10
1.4	QPSK	3	0	17.12	17.11	17.11	19.10
1.4	QPSK	3	1	17.11	17.10	17.10	19.10
1.4	QPSK	3	3	17.10	17.12	17.10	19.10
1.4	QPSK	6	0	17.11	17.13	17.11	19.10
1.4	16QAM	1	0	17.11	17.14	17.10	19.10
1.4	16QAM	1	3	17.10	17.10	17.10	19.10
1.4	16QAM	1	5	17.11	17.10	17.10	19.10
1.4	16QAM	3	0	17.11	17.11	17.10	19.10
1.4	16QAM	3	1	17.10	17.10	17.10	19.10
1.4	16QAM	3	3	17.11	17.14	17.11	19.10
1.4	16QAM	6	0	17.11	17.10	17.11	19.10
1.4	64QAM	1	0	17.11	17.12	17.10	19.10
1.4	64QAM	1	3	17.11	17.11	17.11	19.10
1.4	64QAM	1	5	17.11	17.11	17.10	19.10
1.4	64QAM	3	0	17.12	17.10	17.10	19.10
1.4	64QAM	3	1	17.10	17.12	17.11	19.10
1.4	64QAM	3	3	17.10	17.12	17.11	19.10
1.4	64QAM	6	0	17.10	17.20	17.10	19.10
1.4	256QAM	1	0	17.00	17.00	17.01	19.00
1.4	256QAM	1	3	17.00	17.04	17.00	19.00
1.4	256QAM	1	5	17.00	17.03	17.00	19.00
1.4	256QAM	3	0	17.00	17.00	17.01	19.00
1.4	256QAM	3	1	17.00	17.04	17.01	19.00
1.4	256QAM	3	3	17.00	17.03	17.00	19.00
1.4	256QAM	6	0	17.00	17.04	17.01	19.00

【LTE Band 4_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.42		22.60
20	QPSK	1	49		21.20		22.60
20	QPSK	1	99		21.29		22.60
20	QPSK	50	0		21.28		22.60
20	QPSK	50	24		21.19		22.60
20	QPSK	50	50		21.17		22.60
20	QPSK	100	0		21.19		22.60
20	16QAM	1	0		21.29		22.60
20	16QAM	1	49		21.35		22.60
20	16QAM	1	99		21.33		22.60
20	16QAM	50	0		21.19		22.00
20	16QAM	50	24		20.90		22.00
20	16QAM	50	50		20.88		22.00
20	16QAM	100	0		20.85		22.00
20	64QAM	1	0		21.07		22.00
20	64QAM	1	49		20.85		22.00
20	64QAM	1	99		20.77		22.00
20	64QAM	50	0		19.88		21.00
20	64QAM	50	24		19.90		21.00
20	64QAM	50	50		19.85		21.00
20	64QAM	100	0		19.76		21.00
20	256QAM	1	0		17.60		19.00
20	256QAM	1	49		17.67		19.00
20	256QAM	1	99		17.71		19.00
20	256QAM	50	0		17.76		19.00
20	256QAM	50	24		17.78		19.00
20	256QAM	50	50		17.69		19.00
20	256QAM	100	0		17.61		19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.30	21.28	21.34	22.60
15	QPSK	1	37	21.05	21.14	20.94	22.60
15	QPSK	1	74	21.06	21.15	21.04	22.60
15	QPSK	36	0	21.12	21.22	21.09	22.60
15	QPSK	36	20	21.07	21.06	20.91	22.60
15	QPSK	36	39	21.01	21.15	20.94	22.60
15	QPSK	75	0	21.07	21.05	20.98	22.60



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15	16QAM	1	0	21.24	21.41	21.27	22.60
15	16QAM	1	37	21.29	21.41	21.22	22.60
15	16QAM	1	74	21.30	21.40	21.23	22.60
15	16QAM	36	0	21.07	21.10	20.93	22.00
15	16QAM	36	20	20.63	20.86	20.60	22.00
15	16QAM	36	39	20.63	20.84	20.68	22.00
15	16QAM	75	0	20.63	20.76	20.71	22.00
15	64QAM	1	0	20.83	20.95	20.88	22.00
15	64QAM	1	37	20.64	20.75	20.61	22.00
15	64QAM	1	74	20.56	20.69	20.50	22.00
15	64QAM	36	0	19.75	19.75	19.71	21.00
15	64QAM	36	20	19.63	19.87	19.75	21.00
15	64QAM	36	39	19.75	19.75	19.59	21.00
15	64QAM	75	0	19.52	19.73	19.56	21.00
15	256QAM	1	0	17.41	17.52	17.46	19.00
15	256QAM	1	37	17.49	17.62	17.45	19.00
15	256QAM	1	74	17.55	17.62	17.45	19.00
15	256QAM	36	0	17.67	17.63	17.53	19.00
15	256QAM	36	20	17.70	17.67	17.54	19.00
15	256QAM	36	39	17.49	17.59	17.47	19.00
15	256QAM	75	0	17.44	17.54	17.38	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.25	21.37	21.31	22.60
10	QPSK	1	25	21.02	21.17	20.93	22.60
10	QPSK	1	49	21.13	21.16	20.98	22.60
10	QPSK	25	0	21.18	21.19	21.04	22.60
10	QPSK	25	12	21.02	21.10	20.98	22.60
10	QPSK	25	25	20.99	21.09	20.95	22.60
10	QPSK	50	0	21.06	21.09	21.08	22.60
10	16QAM	1	0	21.35	21.42	21.29	22.60
10	16QAM	1	25	21.33	21.42	21.29	22.60
10	16QAM	1	49	21.34	21.40	21.32	22.60
10	16QAM	25	0	21.04	21.15	20.89	22.00
10	16QAM	25	12	20.66	20.81	20.67	22.00
10	16QAM	25	25	20.60	20.85	20.59	22.00
10	16QAM	50	0	20.58	20.83	20.71	22.00
10	64QAM	1	0	20.86	21.00	20.94	22.00
10	64QAM	1	25	20.66	20.71	20.56	22.00
10	64QAM	1	49	20.54	20.68	20.44	22.00
10	64QAM	25	0	19.65	19.81	19.70	21.00
10	64QAM	25	12	19.72	19.76	19.69	21.00
10	64QAM	25	25	19.70	19.73	19.57	21.00
10	64QAM	50	0	19.63	19.72	19.58	21.00
10	256QAM	1	0	17.50	17.48	17.46	19.00
10	256QAM	1	25	17.57	17.62	17.47	19.00
10	256QAM	1	49	17.58	17.67	17.54	19.00
10	256QAM	25	0	17.54	17.73	17.58	19.00
10	256QAM	25	12	17.69	17.70	17.53	19.00
10	256QAM	25	25	17.50	17.58	17.46	19.00
10	256QAM	50	0	17.49	17.59	17.36	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.31	21.37	21.34	22.60
5	QPSK	1	12	21.03	21.19	20.93	22.60
5	QPSK	1	24	21.01	21.19	21.01	22.60
5	QPSK	12	0	21.14	21.19	21.04	22.60
5	QPSK	12	7	21.04	21.16	20.88	22.60
5	QPSK	12	13	20.94	21.10	20.86	22.60
5	QPSK	25	0	21.08	21.05	21.02	22.60
5	16QAM	1	0	21.31	21.41	21.26	22.60
5	16QAM	1	12	21.28	21.42	21.24	22.60
5	16QAM	1	24	21.38	21.40	21.21	22.60
5	16QAM	12	0	21.00	21.13	20.90	22.00
5	16QAM	12	7	20.68	20.78	20.58	22.00
5	16QAM	12	13	20.63	20.74	20.68	22.00
5	16QAM	25	0	20.64	20.73	20.66	22.00
5	64QAM	1	0	20.91	21.03	20.88	22.00
5	64QAM	1	12	20.71	20.80	20.54	22.00
5	64QAM	1	24	20.50	20.70	20.48	22.00
5	64QAM	12	0	19.72	19.82	19.62	21.00
5	64QAM	12	7	19.65	19.81	19.74	21.00
5	64QAM	12	13	19.64	19.79	19.64	21.00
5	64QAM	25	0	19.52	19.63	19.56	21.00
5	256QAM	1	0	17.51	17.55	17.43	19.00
5	256QAM	1	12	17.51	17.55	17.48	19.00
5	256QAM	1	24	17.52	17.63	17.53	19.00
5	256QAM	12	0	17.63	17.70	17.54	19.00



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5	256QAM	12	7	17.68	17.66	17.56	19.00
5	256QAM	12	13	17.48	17.66	17.50	19.00
5	256QAM	25	0	17.51	17.52	17.39	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.24	21.32	21.34	22.60
3	QPSK	1	8	21.01	21.15	20.95	22.60
3	QPSK	1	14	21.12	21.21	21.05	22.60
3	QPSK	8	0	21.10	21.27	21.03	22.60
3	QPSK	8	4	21.02	21.10	20.93	22.60
3	QPSK	8	7	20.92	21.05	20.91	22.60
3	QPSK	15	0	21.09	21.04	21.04	22.60
3	16QAM	1	0	21.34	21.42	21.21	22.60
3	16QAM	1	8	21.33	21.40	21.23	22.60
3	16QAM	1	14	21.37	21.40	21.33	22.60
3	16QAM	8	0	20.99	21.05	20.86	22.00
3	16QAM	8	4	20.64	20.80	20.70	22.00
3	16QAM	8	7	20.62	20.86	20.59	22.00
3	16QAM	15	0	20.65	20.81	20.66	22.00
3	64QAM	1	0	20.87	21.03	20.96	22.00
3	64QAM	1	8	20.64	20.75	20.51	22.00
3	64QAM	1	14	20.52	20.64	20.53	22.00
3	64QAM	8	0	19.75	19.76	19.62	21.00
3	64QAM	8	4	19.60	19.88	19.69	21.00
3	64QAM	8	7	19.68	19.76	19.55	21.00
3	64QAM	15	0	19.59	19.69	19.64	21.00
3	256QAM	1	0	17.43	17.51	17.47	19.00
3	256QAM	1	8	17.49	17.62	17.42	19.00
3	256QAM	1	14	17.50	17.62	17.48	19.00
3	256QAM	8	0	17.63	17.65	17.60	19.00
3	256QAM	8	4	17.68	17.70	17.54	19.00
3	256QAM	8	7	17.43	17.61	17.40	19.00
3	256QAM	15	0	17.47	17.57	17.32	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.28	21.36	21.26	22.60
1.4	QPSK	1	3	20.99	21.12	20.89	22.60
1.4	QPSK	1	5	21.10	21.23	21.03	22.60
1.4	QPSK	3	0	21.17	21.18	21.12	22.60
1.4	QPSK	3	1	21.09	21.06	20.99	22.60
1.4	QPSK	3	3	20.95	21.15	20.83	22.60
1.4	QPSK	6	0	20.99	21.18	20.96	22.60
1.4	16QAM	1	0	21.36	21.42	21.33	22.60
1.4	16QAM	1	3	21.24	21.42	21.27	22.60
1.4	16QAM	1	5	21.27	21.42	21.23	22.60
1.4	16QAM	3	0	21.08	21.09	20.96	22.00
1.4	16QAM	3	1	20.62	20.86	20.68	22.00
1.4	16QAM	3	3	20.71	20.78	20.61	22.00
1.4	16QAM	6	0	20.54	20.79	20.76	22.00
1.4	64QAM	1	0	20.92	21.04	20.83	22.00
1.4	64QAM	1	3	20.73	20.76	20.53	22.00
1.4	64QAM	1	5	20.52	20.63	20.53	22.00
1.4	64QAM	3	0	20.73	20.80	20.69	22.00
1.4	64QAM	3	1	20.63	20.79	20.69	22.00
1.4	64QAM	3	3	20.69	20.76	20.61	22.00
1.4	64QAM	6	0	19.55	19.70	19.54	21.00
1.4	256QAM	1	0	17.46	17.55	17.48	19.00
1.4	256QAM	1	3	17.57	17.58	17.44	19.00
1.4	256QAM	1	5	17.61	17.58	17.47	19.00
1.4	256QAM	3	0	17.59	17.75	17.59	19.00
1.4	256QAM	3	1	17.68	17.64	17.59	19.00
1.4	256QAM	3	3	17.41	17.58	17.44	19.00
1.4	256QAM	6	0	17.55	17.56	17.33	19.00

【LTE Band 4_Ant 3_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		14.84		15.90
20	QPSK	1	49		14.63		15.90
20	QPSK	1	99		14.66		15.90
20	QPSK	50	0		14.74		15.90



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20	QPSK	50	24		14.69		15.90
20	QPSK	50	50		14.67		15.90
20	QPSK	100	0		14.66		15.90
20	16QAM	1	0		14.63		15.90
20	16QAM	1	49		14.73		15.90
20	16QAM	1	99		14.65		15.90
20	16QAM	50	0		14.65		15.90
20	16QAM	50	24		14.79		15.90
20	16QAM	50	50		14.76		15.90
20	16QAM	100	0		14.78		15.90
20	64QAM	1	0		14.76		15.90
20	64QAM	1	49		14.61		15.90
20	64QAM	1	99		14.52		15.90
20	64QAM	50	0		14.67		15.90
20	64QAM	50	24		14.63		15.90
20	64QAM	50	50		14.71		15.90
20	64QAM	100	0		14.70		15.90
20	256QAM	1	0		14.68		15.90
20	256QAM	1	49		14.64		15.90
20	256QAM	1	99		14.62		15.90
20	256QAM	50	0		14.59		15.90
20	256QAM	50	24		14.57		15.90
20	256QAM	50	50		14.72		15.90
20	256QAM	100	0		14.64		15.90
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	14.67	14.82	14.76	15.90
15	QPSK	1	37	14.47	14.60	14.37	15.90
15	QPSK	1	74	14.51	14.51	14.53	15.90
15	QPSK	36	0	14.55	14.70	14.61	15.90
15	QPSK	36	20	14.37	14.63	14.47	15.90
15	QPSK	36	39	14.42	14.57	14.50	15.90
15	QPSK	75	0	14.39	14.60	14.45	15.90
15	16QAM	1	0	14.39	14.55	14.50	15.90
15	16QAM	1	37	14.53	14.61	14.60	15.90
15	16QAM	1	74	14.46	14.58	14.57	15.90
15	16QAM	36	0	14.52	14.61	14.52	15.90
15	16QAM	36	20	14.51	14.78	14.51	15.90
15	16QAM	36	39	14.52	14.72	14.54	15.90
15	16QAM	75	0	14.57	14.64	14.68	15.90
15	64QAM	1	0	14.58	14.67	14.49	15.90
15	64QAM	1	37	14.47	14.56	14.48	15.90
15	64QAM	1	74	14.21	14.51	14.25	15.90
15	64QAM	36	0	14.49	14.56	14.44	15.90
15	64QAM	36	20	14.41	14.61	14.48	15.90
15	64QAM	36	39	14.56	14.68	14.59	15.90
15	64QAM	75	0	14.48	14.61	14.40	15.90
15	256QAM	1	0	14.49	14.55	14.40	15.90
15	256QAM	1	37	14.37	14.56	14.40	15.90
15	256QAM	1	74	14.35	14.56	14.44	15.90
15	256QAM	36	0	14.37	14.52	14.41	15.90
15	256QAM	36	20	14.32	14.55	14.43	15.90
15	256QAM	36	39	14.55	14.68	14.50	15.90
15	256QAM	75	0	14.44	14.54	14.39	15.90
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	14.70	14.80	14.78	15.90
10	QPSK	1	25	14.49	14.57	14.38	15.90
10	QPSK	1	49	14.43	14.56	14.53	15.90
10	QPSK	25	0	14.46	14.61	14.55	15.90
10	QPSK	25	12	14.39	14.59	14.47	15.90
10	QPSK	25	25	14.47	14.64	14.43	15.90
10	QPSK	50	0	14.44	14.61	14.43	15.90
10	16QAM	1	0	14.45	14.53	14.53	15.90
10	16QAM	1	25	14.55	14.60	14.57	15.90
10	16QAM	1	49	14.43	14.56	14.50	15.90
10	16QAM	25	0	14.40	14.54	14.54	15.90
10	16QAM	25	12	14.49	14.72	14.56	15.90
10	16QAM	25	25	14.65	14.69	14.45	15.90
10	16QAM	50	0	14.65	14.68	14.71	15.90
10	64QAM	1	0	14.55	14.73	14.52	15.90
10	64QAM	1	25	14.48	14.46	14.52	15.90
10	64QAM	1	49	14.26	14.37	14.29	15.90
10	64QAM	25	0	14.42	14.56	14.49	15.90
10	64QAM	25	12	14.42	14.56	14.46	15.90
10	64QAM	25	25	14.50	14.68	14.47	15.90
10	64QAM	50	0	14.57	14.59	14.44	15.90
10	256QAM	1	0	14.42	14.63	14.50	15.90



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10	256QAM	1	25	14.37	14.54	14.41	15.90
10	256QAM	1	49	14.40	14.52	14.47	15.90
10	256QAM	25	0	14.44	14.47	14.30	15.90
10	256QAM	25	12	14.29	14.54	14.46	15.90
10	256QAM	25	25	14.59	14.62	14.49	15.90
10	256QAM	50	0	14.43	14.50	14.48	15.90
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	14.70	14.81	14.67	15.90
5	QPSK	1	12	14.49	14.61	14.39	15.90
5	QPSK	1	24	14.46	14.59	14.48	15.90
5	QPSK	12	0	14.56	14.67	14.65	15.90
5	QPSK	12	7	14.43	14.64	14.39	15.90
5	QPSK	12	13	14.43	14.56	14.45	15.90
5	QPSK	25	0	14.41	14.54	14.45	15.90
5	16QAM	1	0	14.48	14.58	14.46	15.90
5	16QAM	1	12	14.57	14.66	14.53	15.90
5	16QAM	1	24	14.52	14.57	14.50	15.90
5	16QAM	12	0	14.46	14.62	14.56	15.90
5	16QAM	12	7	14.50	14.68	14.50	15.90
5	16QAM	12	13	14.56	14.69	14.57	15.90
5	16QAM	25	0	14.67	14.65	14.63	15.90
5	64QAM	1	0	14.62	14.66	14.57	15.90
5	64QAM	1	12	14.53	14.53	14.44	15.90
5	64QAM	1	24	14.20	14.50	14.37	15.90
5	64QAM	12	0	14.46	14.62	14.46	15.90
5	64QAM	12	7	14.52	14.53	14.47	15.90
5	64QAM	12	13	14.54	14.61	14.55	15.90
5	64QAM	25	0	14.58	14.66	14.50	15.90
5	256QAM	1	0	14.50	14.63	14.52	15.90
5	256QAM	1	12	14.48	14.58	14.46	15.90
5	256QAM	1	24	14.42	14.58	14.40	15.90
5	256QAM	12	0	14.43	14.45	14.36	15.90
5	256QAM	12	7	14.40	14.50	14.36	15.90
5	256QAM	12	13	14.48	14.71	14.56	15.90
5	256QAM	25	0	14.44	14.63	14.41	15.90
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	14.75	14.69	14.65	15.90
3	QPSK	1	8	14.44	14.53	14.39	15.90
3	QPSK	1	14	14.44	14.56	14.43	15.90
3	QPSK	8	0	14.49	14.65	14.63	15.90
3	QPSK	8	4	14.37	14.66	14.49	15.90
3	QPSK	8	7	14.44	14.61	14.48	15.90
3	QPSK	15	0	14.48	14.57	14.46	15.90
3	16QAM	1	0	14.49	14.56	14.49	15.90
3	16QAM	1	8	14.49	14.66	14.58	15.90
3	16QAM	1	14	14.42	14.54	14.55	15.90
3	16QAM	8	0	14.50	14.55	14.55	15.90
3	16QAM	8	4	14.52	14.65	14.50	15.90
3	16QAM	8	7	14.57	14.68	14.46	15.90
3	16QAM	15	0	14.67	14.66	14.59	15.90
3	64QAM	1	0	14.61	14.69	14.52	15.90
3	64QAM	1	8	14.45	14.50	14.47	15.90
3	64QAM	1	14	14.26	14.44	14.36	15.90
3	64QAM	8	0	14.47	14.56	14.39	15.90
3	64QAM	8	4	14.50	14.58	14.38	15.90
3	64QAM	8	7	14.46	14.59	14.49	15.90
3	64QAM	15	0	14.57	14.64	14.48	15.90
3	256QAM	1	0	14.48	14.56	14.50	15.90
3	256QAM	1	8	14.35	14.50	14.43	15.90
3	256QAM	1	14	14.37	14.61	14.34	15.90
3	256QAM	8	0	14.40	14.45	14.35	15.90
3	256QAM	8	4	14.32	14.48	14.48	15.90
3	256QAM	8	7	14.48	14.57	14.50	15.90
3	256QAM	15	0	14.47	14.51	14.48	15.90
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	14.73	14.69	14.74	15.90
1.4	QPSK	1	3	14.51	14.53	14.37	15.90
1.4	QPSK	1	5	14.50	14.58	14.48	15.90
1.4	QPSK	3	0	14.44	14.69	14.62	15.90
1.4	QPSK	3	1	14.43	14.67	14.47	15.90
1.4	QPSK	3	3	14.46	14.52	14.46	15.90
1.4	QPSK	6	0	14.43	14.58	14.45	15.90
1.4	16QAM	1	0	14.42	14.58	14.48	15.90
1.4	16QAM	1	3	14.52	14.67	14.53	15.90
1.4	16QAM	1	5	14.50	14.63	14.54	15.90



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1.4	16QAM	3	0	14.47	14.64	14.58	15.90
1.4	16QAM	3	1	14.53	14.73	14.62	15.90
1.4	16QAM	3	3	14.51	14.67	14.45	15.90
1.4	16QAM	6	0	14.57	14.71	14.65	15.90
1.4	64QAM	1	0	14.55	14.62	14.54	15.90
1.4	64QAM	1	3	14.50	14.56	14.51	15.90
1.4	64QAM	1	5	14.21	14.48	14.33	15.90
1.4	64QAM	3	0	14.41	14.53	14.38	15.90
1.4	64QAM	3	1	14.53	14.56	14.36	15.90
1.4	64QAM	3	3	14.57	14.58	14.49	15.90
1.4	64QAM	6	0	14.45	14.58	14.52	15.90
1.4	256QAM	1	0	14.41	14.58	14.53	15.90
1.4	256QAM	1	3	14.41	14.56	14.47	15.90
1.4	256QAM	1	5	14.35	14.56	14.36	15.90
1.4	256QAM	3	0	14.37	14.56	14.29	15.90
1.4	256QAM	3	1	14.41	14.46	14.40	15.90
1.4	256QAM	3	3	14.55	14.62	14.56	15.90
1.4	256QAM	6	0	14.51	14.52	14.37	15.90

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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					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		17.34		19.10
20	QPSK	1	49		17.18		19.10
20	QPSK	1	99		17.19		19.10
20	QPSK	50	0		17.25		19.10
20	QPSK	50	24		17.11		19.10
20	QPSK	50	50		17.16		19.10
20	QPSK	100	0		17.18		19.10
20	16QAM	1	0		17.24		19.10
20	16QAM	1	49		17.16		19.10
20	16QAM	1	99		17.12		19.10
20	16QAM	50	0		17.16		19.10
20	16QAM	50	24		17.11		19.10
20	16QAM	50	50		17.15		19.10
20	16QAM	100	0		17.18		19.10
20	64QAM	1	0		17.16		19.10
20	64QAM	1	49		17.10		19.10
20	64QAM	1	99		17.14		19.10
20	64QAM	50	0		17.18		19.10
20	64QAM	50	24		17.12		19.10
20	64QAM	50	50		17.11		19.10
20	64QAM	100	0		17.21		19.10
20	256QAM	1	0		17.06		18.50
20	256QAM	1	49		17.09		18.50
20	256QAM	1	99		17.06		18.50
20	256QAM	50	0		17.06		18.50
20	256QAM	50	24		17.11		18.50
20	256QAM	50	50		17.09		18.50
20	256QAM	100	0		17.19		18.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	17.21	17.23	17.17	19.10
15	QPSK	1	37	17.10	17.10	17.11	19.10
15	QPSK	1	74	17.10	17.16	17.10	19.10
15	QPSK	36	0	17.10	17.22	17.10	19.10
15	QPSK	36	20	17.10	17.11	17.10	19.10
15	QPSK	36	39	17.10	17.11	17.11	19.10
15	QPSK	75	0	17.10	17.10	17.11	19.10
15	16QAM	1	0	17.10	17.23	17.10	19.10
15	16QAM	1	37	17.11	17.10	17.10	19.10
15	16QAM	1	74	17.11	17.10	17.10	19.10
15	16QAM	36	0	17.11	17.10	17.10	19.10
15	16QAM	36	20	17.10	17.10	17.11	19.10
15	16QAM	36	39	17.12	17.10	17.10	19.10
15	16QAM	75	0	17.10	17.11	17.11	19.10
15	64QAM	1	0	17.10	17.15	17.10	19.10
15	64QAM	1	37	17.10	17.10	17.10	19.10
15	64QAM	1	74	17.11	17.11	17.10	19.10
15	64QAM	36	0	17.10	17.10	17.10	19.10
15	64QAM	36	20	17.11	17.12	17.10	19.10



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15	64QAM	36	39	17.10	17.10	17.10	19.10
15	64QAM	75	0	17.11	17.10	17.10	19.10
15	256QAM	1	0	17.01	17.00	17.01	18.50
15	256QAM	1	37	17.02	17.03	17.00	18.50
15	256QAM	1	74	17.00	17.00	17.01	18.50
15	256QAM	36	0	17.01	17.01	17.00	18.50
15	256QAM	36	20	17.01	17.10	17.00	18.50
15	256QAM	36	39	17.01	17.01	17.02	18.50
15	256QAM	75	0	17.00	17.10	17.00	18.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.12	17.30	17.19	19.10
10	QPSK	1	25	17.10	17.16	17.10	19.10
10	QPSK	1	49	17.10	17.13	17.11	19.10
10	QPSK	25	0	17.10	17.16	17.10	19.10
10	QPSK	25	12	17.12	17.10	17.11	19.10
10	QPSK	25	25	17.11	17.14	17.10	19.10
10	QPSK	50	0	17.11	17.12	17.10	19.10
10	16QAM	1	0	17.10	17.18	17.10	19.10
10	16QAM	1	25	17.10	17.11	17.10	19.10
10	16QAM	1	49	17.11	17.11	17.10	19.10
10	16QAM	25	0	17.11	17.10	17.10	19.10
10	16QAM	25	12	17.10	17.10	17.10	19.10
10	16QAM	25	25	17.10	17.11	17.11	19.10
10	16QAM	50	0	17.10	17.12	17.10	19.10
10	64QAM	1	0	17.12	17.12	17.10	19.10
10	64QAM	1	25	17.10	17.10	17.10	19.10
10	64QAM	1	49	17.10	17.12	17.10	19.10
10	64QAM	25	0	17.10	17.13	17.11	19.10
10	64QAM	25	12	17.10	17.10	17.10	19.10
10	64QAM	25	25	17.11	17.11	17.10	19.10
10	64QAM	50	0	17.12	17.17	17.12	19.10
10	256QAM	1	0	17.00	17.04	17.01	18.50
10	256QAM	1	25	17.01	17.00	17.00	18.50
10	256QAM	1	49	17.00	17.00	17.01	18.50
10	256QAM	25	0	17.02	17.00	17.01	18.50
10	256QAM	25	12	17.02	17.08	17.02	18.50
10	256QAM	25	25	17.02	17.00	17.00	18.50
10	256QAM	50	0	17.02	17.10	17.01	18.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.22	17.23	17.17	19.10
5	QPSK	1	12	17.10	17.12	17.11	19.10
5	QPSK	1	24	17.10	17.10	17.11	19.10
5	QPSK	12	0	17.10	17.16	17.11	19.10
5	QPSK	12	7	17.10	17.10	17.10	19.10
5	QPSK	12	13	17.11	17.11	17.10	19.10
5	QPSK	25	0	17.10	17.10	17.10	19.10
5	16QAM	1	0	17.11	17.20	17.10	19.10
5	16QAM	1	12	17.10	17.14	17.10	19.10
5	16QAM	1	24	17.11	17.10	17.10	19.10
5	16QAM	12	0	17.11	17.10	17.10	19.10
5	16QAM	12	7	17.11	17.10	17.10	19.10
5	16QAM	12	13	17.11	17.10	17.10	19.10
5	16QAM	25	0	17.10	17.12	17.11	19.10
5	64QAM	1	0	17.10	17.11	17.11	19.10
5	64QAM	1	12	17.10	17.12	17.11	19.10
5	64QAM	1	24	17.11	17.10	17.10	19.10
5	64QAM	12	0	17.10	17.10	17.10	19.10
5	64QAM	12	7	17.10	17.11	17.10	19.10
5	64QAM	12	13	17.10	17.11	17.11	19.10
5	64QAM	25	0	17.10	17.10	17.10	19.10
5	256QAM	1	0	17.00	17.00	17.00	18.50
5	256QAM	1	12	17.01	17.04	17.00	18.50
5	256QAM	1	24	17.00	17.05	17.00	18.50
5	256QAM	12	0	17.01	17.01	17.02	18.50
5	256QAM	12	7	17.00	17.01	17.01	18.50
5	256QAM	12	13	17.00	17.04	17.02	18.50
5	256QAM	25	0	17.02	17.18	17.01	18.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	17.18	17.22	17.10	19.10
3	QPSK	1	8	17.11	17.10	17.10	19.10
3	QPSK	1	14	17.11	17.12	17.11	19.10
3	QPSK	8	0	17.10	17.19	17.10	19.10
3	QPSK	8	4	17.10	17.10	17.10	19.10
3	QPSK	8	7	17.11	17.12	17.11	19.10
3	QPSK	15	0	17.11	17.11	17.11	19.10



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3	16QAM	1	0	17.10	17.13	17.12	19.10
3	16QAM	1	8	17.11	17.15	17.11	19.10
3	16QAM	1	14	17.10	17.10	17.11	19.10
3	16QAM	8	0	17.10	17.10	17.11	19.10
3	16QAM	8	4	17.12	17.10	17.12	19.10
3	16QAM	8	7	17.11	17.10	17.10	19.10
3	16QAM	15	0	17.12	17.11	17.10	19.10
3	64QAM	1	0	17.10	17.11	17.11	19.10
3	64QAM	1	8	17.10	17.11	17.11	19.10
3	64QAM	1	14	17.10	17.10	17.10	19.10
3	64QAM	8	0	17.10	17.10	17.10	19.10
3	64QAM	8	4	17.10	17.10	17.10	19.10
3	64QAM	8	7	17.11	17.10	17.10	19.10
3	64QAM	15	0	17.10	17.16	17.10	19.10
3	256QAM	1	0	17.01	17.00	17.00	18.50
3	256QAM	1	8	17.00	17.00	17.00	18.50
3	256QAM	1	14	17.01	17.01	17.01	18.50
3	256QAM	8	0	17.00	17.00	17.00	18.50
3	256QAM	8	4	17.00	17.01	17.00	18.50
3	256QAM	8	7	17.00	17.05	17.02	18.50
3	256QAM	15	0	17.00	17.05	17.00	18.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	17.22	17.29	17.12	19.10
1.4	QPSK	1	3	17.10	17.15	17.11	19.10
1.4	QPSK	1	5	17.12	17.12	17.10	19.10
1.4	QPSK	3	0	17.12	17.11	17.11	19.10
1.4	QPSK	3	1	17.11	17.10	17.10	19.10
1.4	QPSK	3	3	17.10	17.12	17.10	19.10
1.4	QPSK	6	0	17.11	17.13	17.11	19.10
1.4	16QAM	1	0	17.11	17.14	17.10	19.10
1.4	16QAM	1	3	17.10	17.10	17.10	19.10
1.4	16QAM	1	5	17.11	17.10	17.10	19.10
1.4	16QAM	3	0	17.11	17.11	17.10	19.10
1.4	16QAM	3	1	17.10	17.10	17.10	19.10
1.4	16QAM	3	3	17.11	17.14	17.11	19.10
1.4	16QAM	6	0	17.11	17.10	17.11	19.10
1.4	64QAM	1	0	17.11	17.12	17.10	19.10
1.4	64QAM	1	3	17.11	17.11	17.11	19.10
1.4	64QAM	1	5	17.11	17.11	17.10	19.10
1.4	64QAM	3	0	17.12	17.10	17.10	19.10
1.4	64QAM	3	1	17.10	17.12	17.11	19.10
1.4	64QAM	3	3	17.10	17.12	17.11	19.10
1.4	64QAM	6	0	17.10	17.20	17.10	19.10
1.4	256QAM	1	0	17.00	17.00	17.01	18.50
1.4	256QAM	1	3	17.00	17.04	17.00	18.50
1.4	256QAM	1	5	17.00	17.03	17.00	18.50
1.4	256QAM	3	0	17.00	17.00	17.01	18.50
1.4	256QAM	3	1	17.00	17.04	17.01	18.50
1.4	256QAM	3	3	17.00	17.03	17.00	18.50
1.4	256QAM	6	0	17.00	17.04	17.01	18.50

【LTE Band 4_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		23.37		24.00
20	QPSK	1	49		23.35		24.00
20	QPSK	1	99		23.14		24.00
20	QPSK	50	0		22.35		23.00
20	QPSK	50	24		22.25		23.00
20	QPSK	50	50		22.30		23.00
20	QPSK	100	0		22.23		23.00
20	16QAM	1	0		22.43		23.00
20	16QAM	1	49		22.44		23.00
20	16QAM	1	99		22.42		23.00
20	16QAM	50	0		21.26		22.00
20	16QAM	50	24		21.28		22.00
20	16QAM	50	50		21.32		22.00
20	16QAM	100	0		21.26		22.00
20	64QAM	1	0		21.34		22.00
20	64QAM	1	49		21.52		22.00



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20	64QAM	1	99		21.35		22.00
20	64QAM	50	0		20.28		21.00
20	64QAM	50	24		20.24		21.00
20	64QAM	50	50		20.37		21.00
20	64QAM	100	0		20.25		21.00
20	256QAM	1	0		18.37		19.00
20	256QAM	1	49		18.39		19.00
20	256QAM	1	99		18.36		19.00
20	256QAM	50	0		18.27		19.00
20	256QAM	50	24		18.32		19.00
20	256QAM	50	50		18.27		19.00
20	256QAM	100	0		18.25		19.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	23.03	23.27	23.12	24.00
15	QPSK	1	37	23.01	23.32	23.01	24.00
15	QPSK	1	74	23.01	23.12	23.00	24.00
15	QPSK	36	0	22.03	22.30	22.12	23.00
15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	22.00	22.27	22.02	23.00
15	QPSK	75	0	22.00	22.19	22.00	23.00
15	16QAM	1	0	22.14	22.28	22.05	23.00
15	16QAM	1	37	22.09	22.30	22.11	23.00
15	16QAM	1	74	22.17	22.40	22.06	23.00
15	16QAM	36	0	21.00	21.23	21.10	22.00
15	16QAM	36	20	21.00	21.17	21.02	22.00
15	16QAM	36	39	21.00	21.19	21.00	22.00
15	16QAM	75	0	21.02	21.19	21.00	22.00
15	64QAM	1	0	21.02	21.31	21.04	22.00
15	64QAM	1	37	21.13	21.46	21.22	22.00
15	64QAM	1	74	21.03	21.31	21.06	22.00
15	64QAM	36	0	20.02	20.26	20.03	21.00
15	64QAM	36	20	20.00	20.16	20.01	21.00
15	64QAM	36	39	20.07	20.35	20.02	21.00
15	64QAM	75	0	20.00	20.22	20.06	21.00
15	256QAM	1	0	18.00	18.24	18.02	19.00
15	256QAM	1	37	18.15	18.37	18.11	19.00
15	256QAM	1	74	18.01	18.30	18.03	19.00
15	256QAM	36	0	18.01	18.15	18.02	19.00
15	256QAM	36	20	18.03	18.26	18.12	19.00
15	256QAM	36	39	18.00	18.18	18.00	19.00
15	256QAM	75	0	18.02	18.15	18.01	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.11	23.28	23.11	24.00
10	QPSK	1	25	23.00	23.30	23.02	24.00
10	QPSK	1	49	23.02	23.09	23.00	24.00
10	QPSK	25	0	22.00	22.33	22.04	23.00
10	QPSK	25	12	22.00	22.16	22.00	23.00
10	QPSK	25	25	22.01	22.27	22.01	23.00
10	QPSK	50	0	22.00	22.21	22.01	23.00
10	16QAM	1	0	22.12	22.34	22.03	23.00
10	16QAM	1	25	22.20	22.36	22.05	23.00
10	16QAM	1	49	22.07	22.35	22.00	23.00
10	16QAM	25	0	21.01	21.13	21.04	22.00
10	16QAM	25	12	21.01	21.26	21.01	22.00
10	16QAM	25	25	21.01	21.28	21.01	22.00
10	16QAM	50	0	21.01	21.21	21.01	22.00
10	64QAM	1	0	21.05	21.29	21.00	22.00
10	64QAM	1	25	21.22	21.46	21.18	22.00
10	64QAM	1	49	21.08	21.22	21.05	22.00
10	64QAM	25	0	20.03	20.22	20.02	21.00
10	64QAM	25	12	20.01	20.17	20.00	21.00
10	64QAM	25	25	20.12	20.33	20.06	21.00
10	64QAM	50	0	20.01	20.23	20.08	21.00
10	256QAM	1	0	18.01	18.29	18.03	19.00
10	256QAM	1	25	18.08	18.27	18.08	19.00
10	256QAM	1	49	18.03	18.34	18.07	19.00
10	256QAM	25	0	18.01	18.18	18.12	19.00
10	256QAM	25	12	18.12	18.24	18.01	19.00
10	256QAM	25	25	18.00	18.17	18.01	19.00
10	256QAM	50	0	18.00	18.17	18.06	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.14	23.26	23.11	24.00
5	QPSK	1	12	23.02	23.26	23.00	24.00
5	QPSK	1	24	23.01	23.00	23.00	24.00
5	QPSK	12	0	22.02	22.23	22.10	23.00



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5	QPSK	12	7	22.00	22.13	22.01	23.00
5	QPSK	12	13	22.01	22.21	22.01	23.00
5	QPSK	25	0	22.00	22.09	22.00	23.00
5	16QAM	1	0	22.15	22.33	22.05	23.00
5	16QAM	1	12	22.16	22.38	22.12	23.00
5	16QAM	1	24	22.13	22.40	22.12	23.00
5	16QAM	12	0	21.00	21.11	21.00	22.00
5	16QAM	12	7	21.01	21.13	21.01	22.00
5	16QAM	12	13	21.00	21.17	21.00	22.00
5	16QAM	25	0	21.01	21.22	21.02	22.00
5	64QAM	1	0	21.02	21.29	21.01	22.00
5	64QAM	1	12	21.23	21.40	21.28	22.00
5	64QAM	1	24	21.08	21.32	21.14	22.00
5	64QAM	12	0	20.01	20.18	20.01	21.00
5	64QAM	12	7	20.00	20.14	20.00	21.00
5	64QAM	12	13	20.09	20.24	20.05	21.00
5	64QAM	25	0	20.00	20.18	20.03	21.00
5	256QAM	1	0	18.01	18.24	18.11	19.00
5	256QAM	1	12	18.03	18.32	18.01	19.00
5	256QAM	1	24	18.00	18.22	18.02	19.00
5	256QAM	12	0	18.01	18.25	18.11	19.00
5	256QAM	12	7	18.12	18.17	18.09	19.00
5	256QAM	12	13	18.01	18.20	18.04	19.00
5	256QAM	25	0	18.00	18.21	18.03	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.03	23.35	23.12	24.00
3	QPSK	1	8	23.00	23.28	23.00	24.00
3	QPSK	1	14	23.01	23.03	23.01	24.00
3	QPSK	8	0	22.01	22.31	22.12	23.00
3	QPSK	8	4	22.00	22.13	22.00	23.00
3	QPSK	8	7	22.01	22.17	22.01	23.00
3	QPSK	15	0	22.00	22.15	22.00	23.00
3	16QAM	1	0	22.08	22.40	22.09	23.00
3	16QAM	1	8	22.13	22.36	22.10	23.00
3	16QAM	1	14	22.06	22.30	22.01	23.00
3	16QAM	8	0	21.00	21.25	21.02	22.00
3	16QAM	8	4	21.01	21.23	21.01	22.00
3	16QAM	8	7	21.07	21.20	21.03	22.00
3	16QAM	15	0	21.02	21.22	21.04	22.00
3	64QAM	1	0	21.00	21.30	21.01	22.00
3	64QAM	1	8	21.15	21.50	21.19	22.00
3	64QAM	1	14	21.06	21.29	21.14	22.00
3	64QAM	8	0	20.01	20.15	20.02	21.00
3	64QAM	8	4	20.01	20.09	20.01	21.00
3	64QAM	8	7	20.06	20.29	20.09	21.00
3	64QAM	15	0	20.02	20.21	20.07	21.00
3	256QAM	1	0	18.01	18.22	18.01	19.00
3	256QAM	1	8	18.03	18.38	18.01	19.00
3	256QAM	1	14	18.01	18.22	18.00	19.00
3	256QAM	8	0	18.01	18.20	18.04	19.00
3	256QAM	8	4	18.07	18.25	18.10	19.00
3	256QAM	8	7	18.01	18.14	18.03	19.00
3	256QAM	15	0	18.01	18.13	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	23.09	23.23	23.09	24.00
1.4	QPSK	1	3	23.00	23.30	23.00	24.00
1.4	QPSK	1	5	23.01	23.01	23.00	24.00
1.4	QPSK	3	0	23.01	23.33	23.05	24.00
1.4	QPSK	3	1	23.00	23.10	23.00	24.00
1.4	QPSK	3	3	23.00	23.28	23.03	24.00
1.4	QPSK	6	0	22.00	22.21	22.01	23.00
1.4	16QAM	1	0	22.09	22.30	22.11	23.00
1.4	16QAM	1	3	22.17	22.35	22.05	23.00
1.4	16QAM	1	5	22.16	22.35	22.12	23.00
1.4	16QAM	3	0	22.01	22.14	22.00	23.00
1.4	16QAM	3	1	22.01	22.19	22.07	23.00
1.4	16QAM	3	3	22.04	22.25	22.05	23.00
1.4	16QAM	6	0	21.01	21.15	21.00	22.00
1.4	64QAM	1	0	21.00	21.30	21.03	22.00
1.4	64QAM	1	3	21.12	21.48	21.23	22.00
1.4	64QAM	1	5	21.02	21.27	21.09	22.00
1.4	64QAM	3	0	21.01	21.16	21.09	22.00
1.4	64QAM	3	1	21.01	21.11	21.01	22.00
1.4	64QAM	3	3	21.07	21.30	21.00	22.00
1.4	64QAM	6	0	20.01	20.13	20.00	21.00
1.4	256QAM	1	0	18.00	18.29	18.13	19.00



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1.4	256QAM	1	3	18.04	18.28	18.05	19.00
1.4	256QAM	1	5	18.04	18.27	18.01	19.00
1.4	256QAM	3	0	18.02	18.17	18.06	19.00
1.4	256QAM	3	1	18.10	18.27	18.14	19.00
1.4	256QAM	3	3	18.00	18.23	18.01	19.00
1.4	256QAM	6	0	18.05	18.10	18.08	19.00

【LTE Band 4_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.66		23.00
20	QPSK	1	49		21.56		23.00
20	QPSK	1	99		21.39		23.00
20	QPSK	50	0		20.63		22.00
20	QPSK	50	24		20.59		22.00
20	QPSK	50	50		20.48		22.00
20	QPSK	100	0		20.60		22.00
20	16QAM	1	0		20.54		22.00
20	16QAM	1	49		20.52		22.00
20	16QAM	1	99		20.48		22.00
20	16QAM	50	0		19.65		21.00
20	16QAM	50	24		19.55		21.00
20	16QAM	50	50		19.59		21.00
20	16QAM	100	0		19.46		21.00
20	64QAM	1	0		19.51		21.00
20	64QAM	1	49		19.50		21.00
20	64QAM	1	99		19.66		21.00
20	64QAM	50	0		18.45		20.00
20	64QAM	50	24		18.51		20.00
20	64QAM	50	50		18.51		20.00
20	64QAM	100	0		18.66		20.00
20	256QAM	1	0		16.56		18.00
20	256QAM	1	49		16.61		18.00
20	256QAM	1	99		16.56		18.00
20	256QAM	50	0		16.47		18.00
20	256QAM	50	24		16.46		18.00
20	256QAM	50	50		16.59		18.00
20	256QAM	100	0		16.65		18.00
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00
15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	21.52	21.62	21.53	23.00



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10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00
10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00
5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00



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3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

【LTE Band 4_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.66		23.00
20	QPSK	1	49		21.56		23.00
20	QPSK	1	99		21.39		23.00
20	QPSK	50	0		20.63		22.00
20	QPSK	50	24		20.59		22.00
20	QPSK	50	50		20.48		22.00
20	QPSK	100	0		20.60		22.00
20	16QAM	1	0		20.54		22.00
20	16QAM	1	49		20.52		22.00
20	16QAM	1	99		20.48		22.00
20	16QAM	50	0		19.65		21.00
20	16QAM	50	24		19.55		21.00
20	16QAM	50	50		19.59		21.00
20	16QAM	100	0		19.46		21.00
20	64QAM	1	0		19.51		21.00
20	64QAM	1	49		19.50		21.00
20	64QAM	1	99		19.66		21.00
20	64QAM	50	0		18.45		20.00
20	64QAM	50	24		18.51		20.00
20	64QAM	50	50		18.51		20.00
20	64QAM	100	0		18.66		20.00
20	256QAM	1	0		16.56		18.00
20	256QAM	1	49		16.61		18.00
20	256QAM	1	99		16.56		18.00
20	256QAM	50	0		16.47		18.00
20	256QAM	50	24		16.46		18.00
20	256QAM	50	50		16.59		18.00
20	256QAM	100	0		16.65		18.00



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Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00
15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00
10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00



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5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00
5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

**【LTE Band 4_Ant 4_DSI 3】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		22.80
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.20		22.80
20	QPSK	1	49		21.06		22.80
20	QPSK	1	99		20.95		22.80
20	QPSK	50	0		20.51		22.00
20	QPSK	50	24		20.47		22.00
20	QPSK	50	50		20.42		22.00
20	QPSK	100	0		20.44		22.00
20	16QAM	1	0		20.47		22.00
20	16QAM	1	49		20.42		22.00
20	16QAM	1	99		20.44		22.00
20	16QAM	50	0		19.57		21.00
20	16QAM	50	24		19.52		21.00
20	16QAM	50	50		19.52		21.00
20	16QAM	100	0		19.59		21.00
20	64QAM	1	0		19.42		21.00
20	64QAM	1	49		19.51		21.00
20	64QAM	1	99		19.48		21.00
20	64QAM	50	0		18.52		20.00
20	64QAM	50	24		18.45		20.00
20	64QAM	50	50		18.48		20.00
20	64QAM	100	0		18.48		20.00
20	256QAM	1	0		16.47		18.00
20	256QAM	1	49		16.47		18.00
20	256QAM	1	99		16.44		18.00
20	256QAM	50	0		16.47		18.00
20	256QAM	50	24		16.41		18.00
20	256QAM	50	50		16.56		18.00
20	256QAM	100	0		16.55		18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.98	21.07	20.91	22.80
15	QPSK	1	37	20.82	20.97	20.81	22.80
15	QPSK	1	74	20.80	20.88	20.80	22.80
15	QPSK	36	0	20.20	20.43	20.26	22.00
15	QPSK	36	20	20.18	20.44	20.22	22.00
15	QPSK	36	39	20.18	20.41	20.21	22.00
15	QPSK	75	0	20.21	20.29	20.09	22.00
15	16QAM	1	0	20.16	20.43	20.17	22.00
15	16QAM	1	37	20.22	20.31	20.09	22.00
15	16QAM	1	74	20.21	20.42	20.13	22.00
15	16QAM	36	0	19.34	19.52	19.23	21.00
15	16QAM	36	20	19.30	19.39	19.25	21.00
15	16QAM	36	39	19.30	19.43	19.19	21.00
15	16QAM	75	0	19.29	19.52	19.19	21.00
15	64QAM	1	0	19.17	19.31	19.18	21.00
15	64QAM	1	37	19.33	19.49	19.25	21.00
15	64QAM	1	74	19.23	19.41	19.19	21.00
15	64QAM	36	0	18.27	18.37	18.15	20.00
15	64QAM	36	20	18.10	18.36	18.19	20.00
15	64QAM	36	39	18.23	18.35	18.14	20.00
15	64QAM	75	0	18.28	18.40	18.16	20.00
15	256QAM	1	0	16.23	16.45	16.11	18.00
15	256QAM	1	37	16.23	16.34	16.17	18.00
15	256QAM	1	74	16.23	16.40	16.13	18.00
15	256QAM	36	0	16.29	16.45	16.20	18.00
15	256QAM	36	20	16.17	16.38	16.14	18.00
15	256QAM	36	39	16.42	16.45	16.29	18.00
15	256QAM	75	0	16.32	16.48	16.29	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.98	21.11	21.02	22.80
10	QPSK	1	25	20.81	21.02	20.80	22.80
10	QPSK	1	49	20.80	20.89	20.80	22.80
10	QPSK	25	0	20.22	20.47	20.22	22.00
10	QPSK	25	12	20.18	20.42	20.26	22.00
10	QPSK	25	25	20.15	20.37	20.13	22.00
10	QPSK	50	0	20.29	20.35	20.05	22.00
10	16QAM	1	0	20.25	20.36	20.27	22.00
10	16QAM	1	25	20.21	20.34	20.19	22.00
10	16QAM	1	49	20.17	20.40	20.23	22.00



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10	16QAM	25	0	19.33	19.44	19.24	21.00
10	16QAM	25	12	19.39	19.40	19.26	21.00
10	16QAM	25	25	19.26	19.47	19.24	21.00
10	16QAM	50	0	19.27	19.51	19.19	21.00
10	64QAM	1	0	19.14	19.33	19.20	21.00
10	64QAM	1	25	19.31	19.42	19.29	21.00
10	64QAM	1	49	19.23	19.35	19.17	21.00
10	64QAM	25	0	18.32	18.49	18.22	20.00
10	64QAM	25	12	18.18	18.38	18.21	20.00
10	64QAM	25	25	18.23	18.33	18.11	20.00
10	64QAM	50	0	18.20	18.43	18.22	20.00
10	256QAM	1	0	16.18	16.34	16.18	18.00
10	256QAM	1	25	16.33	16.34	16.18	18.00
10	256QAM	1	49	16.18	16.38	16.25	18.00
10	256QAM	25	0	16.27	16.40	16.15	18.00
10	256QAM	25	12	16.09	16.39	16.06	18.00
10	256QAM	25	25	16.33	16.53	16.22	18.00
10	256QAM	50	0	16.29	16.48	16.23	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.99	21.12	20.97	22.80
5	QPSK	1	12	20.82	21.03	20.81	22.80
5	QPSK	1	24	20.81	20.82	20.81	22.80
5	QPSK	12	0	20.25	20.46	20.22	22.00
5	QPSK	12	7	20.23	20.37	20.19	22.00
5	QPSK	12	13	20.23	20.35	20.18	22.00
5	QPSK	25	0	20.29	20.42	20.05	22.00
5	16QAM	1	0	20.26	20.33	20.19	22.00
5	16QAM	1	12	20.29	20.29	20.09	22.00
5	16QAM	1	24	20.19	20.33	20.20	22.00
5	16QAM	12	0	19.24	19.55	19.21	21.00
5	16QAM	12	7	19.35	19.45	19.21	21.00
5	16QAM	12	13	19.32	19.38	19.25	21.00
5	16QAM	25	0	19.35	19.50	19.20	21.00
5	64QAM	1	0	19.22	19.37	19.21	21.00
5	64QAM	1	12	19.30	19.38	19.31	21.00
5	64QAM	1	24	19.16	19.44	19.20	21.00
5	64QAM	12	0	18.28	18.51	18.13	20.00
5	64QAM	12	7	18.08	18.42	18.26	20.00
5	64QAM	12	13	18.28	18.41	18.15	20.00
5	64QAM	25	0	18.29	18.46	18.13	20.00
5	256QAM	1	0	16.23	16.35	16.12	18.00
5	256QAM	1	12	16.31	16.39	16.17	18.00
5	256QAM	1	24	16.13	16.43	16.20	18.00
5	256QAM	12	0	16.31	16.45	16.16	18.00
5	256QAM	12	7	16.07	16.33	16.08	18.00
5	256QAM	12	13	16.39	16.43	16.31	18.00
5	256QAM	25	0	16.28	16.42	16.28	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.98	21.10	21.02	22.80
3	QPSK	1	8	20.83	20.92	20.81	22.80
3	QPSK	1	14	20.80	20.85	20.81	22.80
3	QPSK	8	0	20.23	20.39	20.24	22.00
3	QPSK	8	4	20.19	20.41	20.19	22.00
3	QPSK	8	7	20.25	20.33	20.11	22.00
3	QPSK	15	0	20.26	20.30	20.10	22.00
3	16QAM	1	0	20.16	20.45	20.17	22.00
3	16QAM	1	8	20.20	20.31	20.10	22.00
3	16QAM	1	14	20.20	20.37	20.23	22.00
3	16QAM	8	0	19.31	19.48	19.21	21.00
3	16QAM	8	4	19.39	19.37	19.29	21.00
3	16QAM	8	7	19.27	19.43	19.24	21.00
3	16QAM	15	0	19.35	19.57	19.20	21.00
3	64QAM	1	0	19.20	19.28	19.16	21.00
3	64QAM	1	8	19.25	19.43	19.24	21.00
3	64QAM	1	14	19.24	19.37	19.10	21.00
3	64QAM	8	0	18.28	18.49	18.19	20.00
3	64QAM	8	4	18.12	18.31	18.19	20.00
3	64QAM	8	7	18.18	18.34	18.13	20.00
3	64QAM	15	0	18.29	18.34	18.20	20.00
3	256QAM	1	0	16.26	16.35	16.13	18.00
3	256QAM	1	8	16.31	16.43	16.25	18.00
3	256QAM	1	14	16.23	16.29	16.21	18.00
3	256QAM	8	0	16.31	16.33	16.18	18.00
3	256QAM	8	4	16.10	16.35	16.15	18.00
3	256QAM	8	7	16.35	16.45	16.20	18.00
3	256QAM	15	0	16.39	16.43	16.29	18.00



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Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.99	21.17	20.92	22.80
1.4	QPSK	1	3	20.81	21.02	20.81	22.80
1.4	QPSK	1	5	20.81	20.89	20.80	22.80
1.4	QPSK	3	0	20.81	20.80	20.80	22.80
1.4	QPSK	3	1	20.80	20.80	20.80	22.80
1.4	QPSK	3	3	20.80	20.80	20.80	22.80
1.4	QPSK	6	0	20.22	20.32	20.03	22.00
1.4	16QAM	1	0	20.25	20.36	20.26	22.00
1.4	16QAM	1	3	20.22	20.30	20.14	22.00
1.4	16QAM	1	5	20.12	20.41	20.16	22.00
1.4	16QAM	3	0	20.01	20.00	20.01	22.00
1.4	16QAM	3	1	20.00	20.00	20.00	22.00
1.4	16QAM	3	3	20.00	20.01	20.00	22.00
1.4	16QAM	6	0	19.36	19.49	19.27	21.00
1.4	64QAM	1	0	19.26	19.30	19.18	21.00
1.4	64QAM	1	3	19.29	19.43	19.24	21.00
1.4	64QAM	1	5	19.25	19.44	19.14	21.00
1.4	64QAM	3	0	18.26	18.37	18.22	20.00
1.4	64QAM	3	1	18.22	18.31	18.21	20.00
1.4	64QAM	3	3	18.23	18.37	18.22	20.00
1.4	64QAM	6	0	18.21	18.42	18.16	20.00
1.4	256QAM	1	0	16.18	16.33	16.16	18.00
1.4	256QAM	1	3	16.25	16.33	16.18	18.00
1.4	256QAM	1	5	16.18	16.37	16.25	18.00
1.4	256QAM	3	0	16.26	16.38	16.13	18.00
1.4	256QAM	3	1	16.12	16.38	16.07	18.00
1.4	256QAM	3	3	16.37	16.46	16.27	18.00
1.4	256QAM	6	0	16.32	16.47	16.37	18.00

【LTE Band 4_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.66		23.00
20	QPSK	1	49		21.56		23.00
20	QPSK	1	99		21.39		23.00
20	QPSK	50	0		20.63		22.00
20	QPSK	50	24		20.59		22.00
20	QPSK	50	50		20.48		22.00
20	QPSK	100	0		20.60		22.00
20	16QAM	1	0		20.54		22.00
20	16QAM	1	49		20.52		22.00
20	16QAM	1	99		20.48		22.00
20	16QAM	50	0		19.65		21.00
20	16QAM	50	24		19.55		21.00
20	16QAM	50	50		19.59		21.00
20	16QAM	100	0		19.46		21.00
20	64QAM	1	0		19.51		21.00
20	64QAM	1	49		19.50		21.00
20	64QAM	1	99		19.66		21.00
20	64QAM	50	0		18.45		20.00
20	64QAM	50	24		18.51		20.00
20	64QAM	50	50		18.51		20.00
20	64QAM	100	0		18.66		20.00
20	256QAM	1	0		16.56		18.00
20	256QAM	1	49		16.61		18.00
20	256QAM	1	99		16.56		18.00
20	256QAM	50	0		16.47		18.00
20	256QAM	50	24		16.46		18.00
20	256QAM	50	50		16.59		18.00
20	256QAM	100	0		16.65		18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00



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15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00
10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00



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5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	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					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		15.49		16.70
20	QPSK	1	49		15.35		16.70
20	QPSK	1	99		15.22		16.70
20	QPSK	50	0		15.41		16.70



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20	QPSK	50	24		15.38		16.70
20	QPSK	50	50		15.29		16.70
20	QPSK	100	0		15.49		16.70
20	16QAM	1	0		15.42		16.70
20	16QAM	1	49		15.45		16.70
20	16QAM	1	99		15.28		16.70
20	16QAM	50	0		15.26		16.70
20	16QAM	50	24		15.36		16.70
20	16QAM	50	50		15.34		16.70
20	16QAM	100	0		15.49		16.70
20	64QAM	1	0		15.33		16.70
20	64QAM	1	49		15.44		16.70
20	64QAM	1	99		15.39		16.70
20	64QAM	50	0		15.30		16.70
20	64QAM	50	24		15.41		16.70
20	64QAM	50	50		15.35		16.70
20	64QAM	100	0		15.40		16.70
20	256QAM	1	0		15.39		16.70
20	256QAM	1	49		15.42		16.70
20	256QAM	1	99		15.42		16.70
20	256QAM	50	0		15.40		16.70
20	256QAM	50	24		15.35		16.70
20	256QAM	50	50		15.28		16.70
20	256QAM	100	0		15.33		16.70
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	15.43	15.38	15.31	16.70
15	QPSK	1	37	15.14	15.26	15.26	16.70
15	QPSK	1	74	14.99	15.13	15.07	16.70
15	QPSK	36	0	15.28	15.28	15.12	16.70
15	QPSK	36	20	15.16	15.28	15.24	16.70
15	QPSK	36	39	15.12	15.28	15.01	16.70
15	QPSK	75	0	15.33	15.42	15.29	16.70
15	16QAM	1	0	15.25	15.38	15.18	16.70
15	16QAM	1	37	15.28	15.31	15.24	16.70
15	16QAM	1	74	15.12	15.22	15.07	16.70
15	16QAM	36	0	15.09	15.17	15.02	16.70
15	16QAM	36	20	15.18	15.25	15.17	16.70
15	16QAM	36	39	15.06	15.20	15.12	16.70
15	16QAM	75	0	15.31	15.46	15.38	16.70
15	64QAM	1	0	15.11	15.20	15.06	16.70
15	64QAM	1	37	15.25	15.30	15.27	16.70
15	64QAM	1	74	15.23	15.26	15.21	16.70
15	64QAM	36	0	15.01	15.24	15.02	16.70
15	64QAM	36	20	15.17	15.33	15.19	16.70
15	64QAM	36	39	15.22	15.27	15.17	16.70
15	64QAM	75	0	15.18	15.31	15.23	16.70
15	256QAM	1	0	15.24	15.36	15.19	16.70
15	256QAM	1	37	15.31	15.33	15.10	16.70
15	256QAM	1	74	15.12	15.36	15.18	16.70
15	256QAM	36	0	15.16	15.38	15.17	16.70
15	256QAM	36	20	15.24	15.32	15.07	16.70
15	256QAM	36	39	15.05	15.27	14.94	16.70
15	256QAM	75	0	15.22	15.18	15.22	16.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	15.35	15.47	15.31	16.70
10	QPSK	1	25	15.15	15.30	15.17	16.70
10	QPSK	1	49	15.03	15.08	14.97	16.70
10	QPSK	25	0	15.26	15.28	15.16	16.70
10	QPSK	25	12	15.19	15.32	15.17	16.70
10	QPSK	25	25	15.11	15.17	15.10	16.70
10	QPSK	50	0	15.38	15.46	15.30	16.70
10	16QAM	1	0	15.27	15.32	15.15	16.70
10	16QAM	1	25	15.27	15.43	15.33	16.70
10	16QAM	1	49	15.12	15.17	14.96	16.70
10	16QAM	25	0	14.98	15.15	15.08	16.70
10	16QAM	25	12	15.17	15.26	15.10	16.70
10	16QAM	25	25	15.04	15.30	15.01	16.70
10	16QAM	50	0	15.35	15.37	15.33	16.70
10	64QAM	1	0	15.06	15.25	15.03	16.70
10	64QAM	1	25	15.25	15.32	15.32	16.70
10	64QAM	1	49	15.22	15.37	15.27	16.70
10	64QAM	25	0	15.03	15.17	15.03	16.70
10	64QAM	25	12	15.27	15.40	15.10	16.70
10	64QAM	25	25	15.22	15.33	15.14	16.70
10	64QAM	50	0	15.26	15.31	15.21	16.70
10	256QAM	1	0	15.28	15.35	15.09	16.70



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10	256QAM	1	25	15.27	15.40	15.23	16.70
10	256QAM	1	49	15.23	15.36	15.25	16.70
10	256QAM	25	0	15.27	15.25	15.20	16.70
10	256QAM	25	12	15.23	15.22	15.03	16.70
10	256QAM	25	25	15.02	15.19	14.99	16.70
10	256QAM	50	0	15.17	15.28	15.16	16.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	15.36	15.45	15.39	16.70
5	QPSK	1	12	15.21	15.22	15.18	16.70
5	QPSK	1	24	15.04	15.20	14.99	16.70
5	QPSK	12	0	15.29	15.34	15.13	16.70
5	QPSK	12	7	15.07	15.35	15.20	16.70
5	QPSK	12	13	15.11	15.27	14.99	16.70
5	QPSK	25	0	15.37	15.36	15.29	16.70
5	16QAM	1	0	15.23	15.31	15.12	16.70
5	16QAM	1	12	15.23	15.38	15.34	16.70
5	16QAM	1	24	15.06	15.24	14.96	16.70
5	16QAM	12	0	14.98	15.22	15.10	16.70
5	16QAM	12	7	15.26	15.21	15.22	16.70
5	16QAM	12	13	15.17	15.30	15.11	16.70
5	16QAM	25	0	15.40	15.41	15.35	16.70
5	64QAM	1	0	15.14	15.27	15.02	16.70
5	64QAM	1	12	15.21	15.36	15.23	16.70
5	64QAM	1	24	15.25	15.34	15.21	16.70
5	64QAM	12	0	15.01	15.24	15.08	16.70
5	64QAM	12	7	15.19	15.29	15.08	16.70
5	64QAM	12	13	15.14	15.25	15.10	16.70
5	64QAM	25	0	15.24	15.33	15.24	16.70
5	256QAM	1	0	15.17	15.32	15.05	16.70
5	256QAM	1	12	15.26	15.33	15.09	16.70
5	256QAM	1	24	15.13	15.36	15.24	16.70
5	256QAM	12	0	15.16	15.31	15.18	16.70
5	256QAM	12	7	15.15	15.31	15.13	16.70
5	256QAM	12	13	15.08	15.23	15.01	16.70
5	256QAM	25	0	15.21	15.18	15.22	16.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.41	15.41	15.30	16.70
3	QPSK	1	8	15.13	15.22	15.26	16.70
3	QPSK	1	14	15.01	15.21	14.98	16.70
3	QPSK	8	0	15.28	15.26	15.18	16.70
3	QPSK	8	4	15.14	15.30	15.24	16.70
3	QPSK	8	7	15.08	15.21	14.99	16.70
3	QPSK	15	0	15.37	15.35	15.27	16.70
3	16QAM	1	0	15.21	15.38	15.12	16.70
3	16QAM	1	8	15.25	15.42	15.30	16.70
3	16QAM	1	14	15.14	15.23	14.99	16.70
3	16QAM	8	0	15.07	15.12	15.14	16.70
3	16QAM	8	4	15.28	15.35	15.22	16.70
3	16QAM	8	7	15.04	15.25	15.11	16.70
3	16QAM	15	0	15.39	15.45	15.29	16.70
3	64QAM	1	0	15.07	15.24	14.98	16.70
3	64QAM	1	8	15.19	15.43	15.23	16.70
3	64QAM	1	14	15.20	15.28	15.22	16.70
3	64QAM	8	0	15.13	15.28	15.13	16.70
3	64QAM	8	4	15.23	15.28	15.09	16.70
3	64QAM	8	7	15.20	15.34	15.19	16.70
3	64QAM	15	0	15.18	15.29	15.28	16.70
3	256QAM	1	0	15.31	15.38	15.13	16.70
3	256QAM	1	8	15.27	15.41	15.14	16.70
3	256QAM	1	14	15.17	15.35	15.20	16.70
3	256QAM	8	0	15.27	15.28	15.15	16.70
3	256QAM	8	4	15.19	15.31	15.07	16.70
3	256QAM	8	7	15.07	15.17	15.05	16.70
3	256QAM	15	0	15.19	15.25	15.13	16.70
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	15.39	15.48	15.34	16.70
1.4	QPSK	1	3	15.21	15.23	15.19	16.70
1.4	QPSK	1	5	15.09	15.15	15.02	16.70
1.4	QPSK	3	0	15.22	15.40	15.17	16.70
1.4	QPSK	3	1	15.19	15.35	15.16	16.70
1.4	QPSK	3	3	15.10	15.26	15.02	16.70
1.4	QPSK	6	0	15.29	15.35	15.31	16.70
1.4	16QAM	1	0	15.17	15.35	15.11	16.70
1.4	16QAM	1	3	15.19	15.40	15.27	16.70
1.4	16QAM	1	5	15.13	15.27	14.99	16.70



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1.4	16QAM	3	0	15.03	15.19	15.05	16.70
1.4	16QAM	3	1	15.27	15.30	15.18	16.70
1.4	16QAM	3	3	15.05	15.29	15.04	16.70
1.4	16QAM	6	0	15.42	15.37	15.25	16.70
1.4	64QAM	1	0	15.07	15.23	15.00	16.70
1.4	64QAM	1	3	15.24	15.40	15.21	16.70
1.4	64QAM	1	5	15.21	15.33	15.26	16.70
1.4	64QAM	3	0	15.08	15.23	15.02	16.70
1.4	64QAM	3	1	15.26	15.37	15.18	16.70
1.4	64QAM	3	3	15.21	15.23	15.08	16.70
1.4	64QAM	6	0	15.19	15.35	15.28	16.70
1.4	256QAM	1	0	15.19	15.36	15.06	16.70
1.4	256QAM	1	3	15.29	15.36	15.20	16.70
1.4	256QAM	1	5	15.25	15.30	15.22	16.70
1.4	256QAM	3	0	15.16	15.25	15.13	16.70
1.4	256QAM	3	1	15.17	15.22	15.06	16.70
1.4	256QAM	3	3	15.12	15.20	15.02	16.70
1.4	256QAM	6	0	15.22	15.30	15.13	16.70

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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					20175		
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.20		22.80
20	QPSK	1	49		21.06		22.80
20	QPSK	1	99		20.95		22.80
20	QPSK	50	0		20.51		22.50
20	QPSK	50	24		20.56		22.50
20	QPSK	50	50		20.55		22.50
20	QPSK	100	0		20.53		22.50
20	16QAM	1	0		20.52		22.50
20	16QAM	1	49		20.57		22.50
20	16QAM	1	99		20.55		22.50
20	16QAM	50	0		19.57		21.50
20	16QAM	50	24		19.52		21.50
20	16QAM	50	50		19.52		21.50
20	16QAM	100	0		19.59		21.50
20	64QAM	1	0		19.56		21.50
20	64QAM	1	49		19.51		21.50
20	64QAM	1	99		19.57		21.50
20	64QAM	50	0		18.52		20.50
20	64QAM	50	24		18.57		20.50
20	64QAM	50	50		18.51		20.50
20	64QAM	100	0		18.55		20.50
20	256QAM	1	0		16.55		18.50
20	256QAM	1	49		16.53		18.50
20	256QAM	1	99		16.53		18.50
20	256QAM	50	0		16.58		18.50
20	256QAM	50	24		16.53		18.50
20	256QAM	50	50		16.56		18.50
20	256QAM	100	0		16.55		18.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	21.08	21.07	20.98	22.80
15	QPSK	1	37	20.89	20.92	20.80	22.80
15	QPSK	1	74	20.80	20.88	20.80	22.80
15	QPSK	36	0	20.50	20.50	20.50	22.50
15	QPSK	36	20	20.50	20.54	20.52	22.50
15	QPSK	36	39	20.50	20.51	20.50	22.50
15	QPSK	75	0	20.51	20.50	20.51	22.50
15	16QAM	1	0	20.51	20.52	20.51	22.50
15	16QAM	1	37	20.51	20.53	20.52	22.50
15	16QAM	1	74	20.52	20.50	20.50	22.50
15	16QAM	36	0	19.52	19.50	19.51	21.50
15	16QAM	36	20	19.52	19.50	19.52	21.50
15	16QAM	36	39	19.51	19.51	19.51	21.50
15	16QAM	75	0	19.50	19.50	19.51	21.50
15	64QAM	1	0	19.50	19.52	19.50	21.50
15	64QAM	1	37	19.51	19.51	19.50	21.50
15	64QAM	1	74	19.50	19.55	19.50	21.50
15	64QAM	36	0	18.51	18.50	18.51	20.50
15	64QAM	36	20	18.50	18.50	18.51	20.50



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15	64QAM	36	39	18.50	18.52	18.51	20.50
15	64QAM	75	0	18.51	18.52	18.50	20.50
15	256QAM	1	0	16.51	16.51	16.50	18.50
15	256QAM	1	37	16.51	16.50	16.51	18.50
15	256QAM	1	74	16.51	16.50	16.50	18.50
15	256QAM	36	0	16.50	16.55	16.50	18.50
15	256QAM	36	20	16.50	16.50	16.50	18.50
15	256QAM	36	39	16.50	16.51	16.51	18.50
15	256QAM	75	0	16.51	16.50	16.51	18.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.98	21.11	20.93	22.80
10	QPSK	1	25	20.87	20.93	20.86	22.80
10	QPSK	1	49	20.80	20.94	20.80	22.80
10	QPSK	25	0	20.52	20.51	20.50	22.50
10	QPSK	25	12	20.52	20.50	20.50	22.50
10	QPSK	25	25	20.50	20.50	20.52	22.50
10	QPSK	50	0	20.50	20.50	20.50	22.50
10	16QAM	1	0	20.50	20.50	20.50	22.50
10	16QAM	1	25	20.50	20.56	20.50	22.50
10	16QAM	1	49	20.51	20.50	20.50	22.50
10	16QAM	25	0	19.51	19.50	19.50	21.50
10	16QAM	25	12	19.50	19.50	19.51	21.50
10	16QAM	25	25	19.50	19.51	19.51	21.50
10	16QAM	50	0	19.51	19.52	19.51	21.50
10	64QAM	1	0	19.51	19.51	19.50	21.50
10	64QAM	1	25	19.51	19.50	19.51	21.50
10	64QAM	1	49	19.51	19.53	19.50	21.50
10	64QAM	25	0	18.50	18.52	18.50	20.50
10	64QAM	25	12	18.51	18.51	18.51	20.50
10	64QAM	25	25	18.50	18.51	18.51	20.50
10	64QAM	50	0	18.52	18.52	18.50	20.50
10	256QAM	1	0	16.50	16.50	16.51	18.50
10	256QAM	1	25	16.51	16.51	16.51	18.50
10	256QAM	1	49	16.50	16.50	16.50	18.50
10	256QAM	25	0	16.50	16.50	16.51	18.50
10	256QAM	25	12	16.50	16.51	16.50	18.50
10	256QAM	25	25	16.50	16.53	16.52	18.50
10	256QAM	50	0	16.50	16.52	16.50	18.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.03	21.16	20.95	22.80
5	QPSK	1	12	20.88	20.98	20.86	22.80
5	QPSK	1	24	20.80	20.93	20.80	22.80
5	QPSK	12	0	20.50	20.50	20.52	22.50
5	QPSK	12	7	20.51	20.54	20.50	22.50
5	QPSK	12	13	20.50	20.51	20.50	22.50
5	QPSK	25	0	20.50	20.50	20.50	22.50
5	16QAM	1	0	20.50	20.51	20.51	22.50
5	16QAM	1	12	20.50	20.50	20.52	22.50
5	16QAM	1	24	20.50	20.52	20.51	22.50
5	16QAM	12	0	19.50	19.55	19.50	21.50
5	16QAM	12	7	19.51	19.51	19.50	21.50
5	16QAM	12	13	19.51	19.51	19.51	21.50
5	16QAM	25	0	19.50	19.50	19.50	21.50
5	64QAM	1	0	19.50	19.50	19.51	21.50
5	64QAM	1	12	19.50	19.51	19.50	21.50
5	64QAM	1	24	19.51	19.51	19.50	21.50
5	64QAM	12	0	18.51	18.51	18.51	20.50
5	64QAM	12	7	18.52	18.55	18.52	20.50
5	64QAM	12	13	18.50	18.50	18.51	20.50
5	64QAM	25	0	18.50	18.52	18.50	20.50
5	256QAM	1	0	16.50	16.53	16.51	18.50
5	256QAM	1	12	16.50	16.50	16.51	18.50
5	256QAM	1	24	16.50	16.52	16.51	18.50
5	256QAM	12	0	16.50	16.51	16.50	18.50
5	256QAM	12	7	16.50	16.51	16.50	18.50
5	256QAM	12	13	16.50	16.50	16.51	18.50
5	256QAM	25	0	16.50	16.51	16.50	18.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.08	21.17	20.92	22.80
3	QPSK	1	8	20.89	20.97	20.83	22.80
3	QPSK	1	14	20.80	20.82	20.80	22.80
3	QPSK	8	0	20.50	20.52	20.50	22.50
3	QPSK	8	4	20.50	20.50	20.50	22.50
3	QPSK	8	7	20.51	20.54	20.50	22.50
3	QPSK	15	0	20.50	20.50	20.50	22.50



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3	16QAM	1	0	20.51	20.50	20.50	22.50
3	16QAM	1	8	20.50	20.54	20.52	22.50
3	16QAM	1	14	20.50	20.50	20.50	22.50
3	16QAM	8	0	19.50	19.52	19.50	21.50
3	16QAM	8	4	19.51	19.50	19.50	21.50
3	16QAM	8	7	19.50	19.50	19.50	21.50
3	16QAM	15	0	19.50	19.50	19.51	21.50
3	64QAM	1	0	19.50	19.55	19.50	21.50
3	64QAM	1	8	19.50	19.50	19.51	21.50
3	64QAM	1	14	19.50	19.52	19.50	21.50
3	64QAM	8	0	18.50	18.50	18.50	20.50
3	64QAM	8	4	18.51	18.50	18.50	20.50
3	64QAM	8	7	18.51	18.50	18.51	20.50
3	64QAM	15	0	18.50	18.52	18.50	20.50
3	256QAM	1	0	16.51	16.50	16.50	18.50
3	256QAM	1	8	16.51	16.52	16.51	18.50
3	256QAM	1	14	16.51	16.52	16.50	18.50
3	256QAM	8	0	16.50	16.52	16.50	18.50
3	256QAM	8	4	16.50	16.51	16.50	18.50
3	256QAM	8	7	16.51	16.52	16.51	18.50
3	256QAM	15	0	16.51	16.51	16.50	18.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.99	21.14	20.91	22.80
1.4	QPSK	1	3	20.84	21.01	20.82	22.80
1.4	QPSK	1	5	20.81	20.91	20.80	22.80
1.4	QPSK	3	0	20.80	20.80	20.80	22.80
1.4	QPSK	3	1	20.81	20.81	20.81	22.80
1.4	QPSK	3	3	20.80	20.82	20.80	22.80
1.4	QPSK	6	0	20.50	20.50	20.52	22.50
1.4	16QAM	1	0	20.50	20.51	20.50	22.50
1.4	16QAM	1	3	20.50	20.52	20.51	22.50
1.4	16QAM	1	5	20.50	20.53	20.50	22.50
1.4	16QAM	3	0	20.50	20.50	20.51	22.50
1.4	16QAM	3	1	20.52	20.50	20.51	22.50
1.4	16QAM	3	3	20.52	20.51	20.51	22.50
1.4	16QAM	6	0	19.50	19.57	19.50	21.50
1.4	64QAM	1	0	19.50	19.51	19.50	21.50
1.4	64QAM	1	3	19.50	19.51	19.50	21.50
1.4	64QAM	3	0	19.50	19.51	19.50	21.50
1.4	64QAM	3	1	19.50	19.50	19.50	21.50
1.4	64QAM	3	3	19.50	19.50	19.52	21.50
1.4	64QAM	6	0	18.51	18.51	18.50	20.50
1.4	256QAM	1	0	16.50	16.51	16.51	18.50
1.4	256QAM	1	3	16.51	16.50	16.50	18.50
1.4	256QAM	1	5	16.50	16.50	16.52	18.50
1.4	256QAM	3	0	16.51	16.50	16.50	18.50
1.4	256QAM	3	1	16.50	16.51	16.51	18.50
1.4	256QAM	3	3	16.50	16.51	16.51	18.50
1.4	256QAM	6	0	16.50	16.52	16.51	18.50

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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					20175		Tune-up limit (dBm)
Frequency (MHz)					1732.5		
20	QPSK	1	0		21.66		23.00
20	QPSK	1	49		21.56		23.00
20	QPSK	1	99		21.39		23.00
20	QPSK	50	0		20.63		22.00
20	QPSK	50	24		20.59		22.00
20	QPSK	50	50		20.48		22.00
20	QPSK	100	0		20.60		22.00
20	16QAM	1	0		20.54		22.00
20	16QAM	1	49		20.52		22.00
20	16QAM	1	99		20.48		22.00
20	16QAM	50	0		19.65		21.00
20	16QAM	50	24		19.55		21.00
20	16QAM	50	50		19.59		21.00
20	16QAM	100	0		19.46		21.00
20	64QAM	1	0		19.51		21.00
20	64QAM	1	49		19.50		21.00



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20	64QAM	1	99		19.66		21.00
20	64QAM	50	0		18.45		20.00
20	64QAM	50	24		18.51		20.00
20	64QAM	50	50		18.51		20.00
20	64QAM	100	0		18.66		20.00
20	256QAM	1	0		16.56		18.00
20	256QAM	1	49		16.61		18.00
20	256QAM	1	99		16.56		18.00
20	256QAM	50	0		16.47		18.00
20	256QAM	50	24		16.46		18.00
20	256QAM	50	50		16.59		18.00
20	256QAM	100	0		16.65		18.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00
15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00
10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00



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5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00
5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00



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1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

【LTE Band 7_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.28	23.35	23.33	24.00
20	QPSK	1	49	23.03	23.24	23.14	24.00
20	QPSK	1	99	22.99	23.19	23.06	24.00
20	QPSK	50	0	22.31	22.36	22.34	23.00
20	QPSK	50	24	22.11	22.24	22.20	23.00
20	QPSK	50	50	22.21	22.29	22.14	23.00
20	QPSK	100	0	22.20	22.32	22.20	23.00
20	16QAM	1	0	22.14	22.34	22.28	23.00
20	16QAM	1	49	22.02	22.15	22.07	23.00
20	16QAM	1	99	22.07	22.25	22.16	23.00
20	16QAM	50	0	21.12	21.33	21.19	22.00
20	16QAM	50	24	20.99	21.19	21.12	22.00
20	16QAM	50	50	21.10	21.19	21.03	22.00
20	16QAM	100	0	21.18	21.32	21.22	22.00
20	64QAM	1	0	21.22	21.31	21.22	22.00
20	64QAM	1	49	21.07	21.17	21.03	22.00
20	64QAM	1	99	21.00	21.18	21.03	22.00
20	64QAM	50	0	20.05	20.19	20.16	21.00
20	64QAM	50	24	20.24	20.36	20.21	21.00
20	64QAM	50	50	19.96	20.17	20.07	21.00
20	64QAM	100	0	20.10	20.21	20.10	21.00
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.21	23.33	23.32	24.00
15	QPSK	1	37	22.93	23.20	23.00	24.00
15	QPSK	1	74	22.87	23.13	23.01	24.00
15	QPSK	36	0	22.19	22.24	22.21	23.00
15	QPSK	36	20	22.09	22.16	22.14	23.00
15	QPSK	36	39	22.07	22.15	22.11	23.00
15	QPSK	75	0	22.12	22.18	22.06	23.00
15	16QAM	1	0	22.02	22.27	22.21	23.00
15	16QAM	1	37	21.98	22.03	21.93	23.00
15	16QAM	1	74	21.95	22.14	22.15	23.00
15	16QAM	36	0	21.06	21.26	21.07	22.00
15	16QAM	36	20	20.86	21.05	21.03	22.00
15	16QAM	36	39	21.07	21.06	20.93	22.00
15	16QAM	75	0	21.10	21.18	21.09	22.00
15	64QAM	1	0	21.18	21.19	21.16	22.00
15	64QAM	1	37	20.95	21.11	20.89	22.00
15	64QAM	1	74	20.93	21.05	20.96	22.00
15	64QAM	36	0	20.00	20.07	20.11	21.00
15	64QAM	36	20	20.20	20.23	20.13	21.00
15	64QAM	36	39	19.83	20.13	20.03	21.00
15	64QAM	75	0	20.05	20.09	20.01	21.00
15	256QAM	1	0	18.13	18.30	18.11	19.00
15	256QAM	1	37	18.18	18.27	18.13	19.00
15	256QAM	1	74	17.92	18.13	18.02	19.00
15	256QAM	36	0	18.15	18.25	18.10	19.00
15	256QAM	36	20	17.97	18.04	18.10	19.00
15	256QAM	36	39	18.03	18.07	18.02	19.00
15	256QAM	75	0	18.00	18.13	18.00	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.23	23.23	23.29	24.00



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10	QPSK	1	25	22.98	23.22	23.12	24.00
10	QPSK	1	49	22.95	23.12	22.98	24.00
10	QPSK	25	0	22.27	22.32	22.30	23.00
10	QPSK	25	12	22.00	22.22	22.12	23.00
10	QPSK	25	25	22.13	22.21	22.08	23.00
10	QPSK	50	0	22.13	22.17	22.11	23.00
10	16QAM	1	0	22.10	22.24	22.25	23.00
10	16QAM	1	25	21.92	22.06	22.03	23.00
10	16QAM	1	49	21.94	22.10	22.11	23.00
10	16QAM	25	0	21.08	21.23	21.14	22.00
10	16QAM	25	12	20.89	21.11	21.09	22.00
10	16QAM	25	25	21.00	21.05	20.90	22.00
10	16QAM	50	0	21.04	21.19	21.14	22.00
10	64QAM	1	0	21.13	21.19	21.16	22.00
10	64QAM	1	25	21.05	21.13	20.92	22.00
10	64QAM	1	49	20.95	21.05	20.92	22.00
10	64QAM	25	0	19.92	20.18	20.04	21.00
10	64QAM	25	12	20.16	20.26	20.09	21.00
10	64QAM	25	25	19.94	20.16	20.02	21.00
10	64QAM	50	0	20.04	20.18	20.03	21.00
10	256QAM	1	0	18.12	18.23	18.23	19.00
10	256QAM	1	25	18.12	18.19	18.08	19.00
10	256QAM	1	49	17.91	18.10	18.01	19.00
10	256QAM	25	0	18.21	18.23	18.10	19.00
10	256QAM	25	12	17.91	18.14	18.03	19.00
10	256QAM	25	25	17.98	18.04	18.02	19.00
10	256QAM	50	0	18.00	18.05	17.92	19.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	23.25	23.34	23.26	24.00
5	QPSK	1	12	22.88	23.22	23.07	24.00
5	QPSK	1	24	22.98	23.05	22.92	24.00
5	QPSK	12	0	22.26	22.26	22.26	23.00
5	QPSK	12	7	21.99	22.17	22.15	23.00
5	QPSK	12	13	22.06	22.18	22.04	23.00
5	QPSK	25	0	22.16	22.27	22.07	23.00
5	16QAM	1	0	22.00	22.26	22.23	23.00
5	16QAM	1	12	21.99	22.10	21.97	23.00
5	16QAM	1	24	22.01	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.24	21.16	22.00
5	16QAM	12	7	20.86	21.17	21.02	22.00
5	16QAM	12	13	20.96	21.07	21.01	22.00
5	16QAM	25	0	21.15	21.30	21.09	22.00
5	64QAM	1	0	21.19	21.23	21.07	22.00
5	64QAM	1	12	21.01	21.16	20.96	22.00
5	64QAM	1	24	20.91	21.05	21.01	22.00
5	64QAM	12	0	19.90	20.10	20.06	21.00
5	64QAM	12	7	20.10	20.26	20.11	21.00
5	64QAM	12	13	19.86	20.14	19.97	21.00
5	64QAM	25	0	20.02	20.17	19.98	21.00
5	256QAM	1	0	18.14	18.29	18.22	19.00
5	256QAM	1	12	18.12	18.27	18.14	19.00
5	256QAM	1	24	18.02	18.13	17.96	19.00
5	256QAM	12	0	18.20	18.24	18.08	19.00
5	256QAM	12	7	17.98	18.10	18.10	19.00
5	256QAM	12	13	17.92	18.14	18.06	19.00
5	256QAM	25	0	18.00	18.12	17.90	19.00

【LTE Band 7_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.39	16.42	16.33	17.70
20	QPSK	1	49	16.00	16.17	15.96	17.70
20	QPSK	1	99	15.96	16.10	15.88	17.70
20	QPSK	50	0	16.38	16.39	16.38	17.70
20	QPSK	50	24	16.08	16.19	16.03	17.70
20	QPSK	50	50	16.06	16.32	16.10	17.70
20	QPSK	100	0	16.21	16.36	16.06	17.70
20	16QAM	1	0	15.97	16.16	16.08	17.70
20	16QAM	1	49	16.08	16.22	16.07	17.70
20	16QAM	1	99	16.05	16.32	16.01	17.70



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20	16QAM	50	0	16.07	16.19	16.06	17.70
20	16QAM	50	24	16.09	16.27	16.08	17.70
20	16QAM	50	50	16.10	16.29	16.03	17.70
20	16QAM	100	0	15.91	16.19	15.88	17.70
20	64QAM	1	0	16.03	16.28	16.01	17.70
20	64QAM	1	49	16.02	16.21	15.97	17.70
20	64QAM	1	99	16.08	16.06	15.93	17.70
20	64QAM	50	0	16.21	16.35	16.08	17.70
20	64QAM	50	24	15.97	16.13	15.94	17.70
20	64QAM	50	50	16.18	16.22	16.04	17.70
20	64QAM	100	0	15.91	16.05	15.99	17.70
20	256QAM	1	0	16.04	16.26	16.09	17.70
20	256QAM	1	49	16.13	16.26	16.15	17.70
20	256QAM	1	99	16.10	16.21	15.95	17.70
20	256QAM	50	0	16.08	16.08	15.97	17.70
20	256QAM	50	24	16.05	16.07	15.96	17.70
20	256QAM	50	50	16.09	16.27	16.20	17.70
20	256QAM	100	0	16.07	16.25	16.10	17.70
Channel				20825	21100	21375	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	QPSK	1	0	16.30	16.28	16.31	17.70
15	QPSK	1	37	15.87	16.05	15.86	17.70
15	QPSK	1	74	15.91	15.95	15.83	17.70
15	QPSK	36	0	16.34	16.29	16.27	17.70
15	QPSK	36	20	15.95	16.13	16.01	17.70
15	QPSK	36	39	15.94	16.31	16.05	17.70
15	QPSK	75	0	16.10	16.27	15.98	17.70
15	16QAM	1	0	15.91	16.04	16.01	17.70
15	16QAM	1	37	15.95	16.19	16.03	17.70
15	16QAM	1	74	15.99	16.19	15.97	17.70
15	16QAM	36	0	15.96	16.15	16.02	17.70
15	16QAM	36	20	15.96	16.12	16.01	17.70
15	16QAM	36	39	16.09	16.26	15.89	17.70
15	16QAM	75	0	15.79	16.13	15.76	17.70
15	64QAM	1	0	15.91	16.13	15.86	17.70
15	64QAM	1	37	15.92	16.07	15.91	17.70
15	64QAM	1	74	16.06	15.97	15.83	17.70
15	64QAM	36	0	16.13	16.22	15.99	17.70
15	64QAM	36	20	15.91	16.06	15.82	17.70
15	64QAM	36	39	16.17	16.14	15.94	17.70
15	64QAM	75	0	15.79	15.99	15.95	17.70
15	256QAM	1	0	15.92	16.20	16.03	17.70
15	256QAM	1	37	16.11	16.20	16.00	17.70
15	256QAM	1	74	16.03	16.06	15.84	17.70
15	256QAM	36	0	16.03	15.94	15.87	17.70
15	256QAM	36	20	15.93	15.92	15.93	17.70
15	256QAM	36	39	16.07	16.23	16.14	17.70
15	256QAM	75	0	15.93	16.16	15.96	17.70
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	16.25	16.41	16.23	17.70
10	QPSK	1	25	15.93	16.03	15.88	17.70
10	QPSK	1	49	15.86	16.06	15.84	17.70
10	QPSK	25	0	16.35	16.30	16.26	17.70
10	QPSK	25	12	15.99	16.10	16.01	17.70
10	QPSK	25	25	15.92	16.18	16.01	17.70
10	QPSK	50	0	16.15	16.27	16.01	17.70
10	16QAM	1	0	15.83	16.08	16.01	17.70
10	16QAM	1	25	16.07	16.18	16.00	17.70
10	16QAM	1	49	16.00	16.28	15.97	17.70
10	16QAM	25	0	15.93	16.06	16.05	17.70
10	16QAM	25	12	16.02	16.16	15.96	17.70
10	16QAM	25	25	16.00	16.25	15.96	17.70
10	16QAM	50	0	15.77	16.16	15.86	17.70
10	64QAM	1	0	15.99	16.25	15.90	17.70
10	64QAM	1	25	15.88	16.12	15.87	17.70
10	64QAM	1	49	15.98	15.99	15.79	17.70
10	64QAM	25	0	16.15	16.27	15.96	17.70
10	64QAM	25	12	15.93	16.04	15.87	17.70
10	64QAM	25	25	16.08	16.18	15.99	17.70
10	64QAM	50	0	15.84	16.00	15.98	17.70
10	256QAM	1	0	15.97	16.18	16.07	17.70
10	256QAM	1	25	16.11	16.12	16.00	17.70
10	256QAM	1	49	15.99	16.15	15.84	17.70
10	256QAM	25	0	15.94	15.97	15.86	17.70
10	256QAM	25	12	15.99	16.05	15.88	17.70
10	256QAM	25	25	15.95	16.24	16.16	17.70
10	256QAM	50	0	16.00	16.14	16.08	17.70



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Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.34	16.32	16.20	17.70
5	QPSK	1	12	15.86	16.08	15.92	17.70
5	QPSK	1	24	15.87	16.08	15.82	17.70
5	QPSK	12	0	16.35	16.30	16.33	17.70
5	QPSK	12	7	16.03	16.10	15.88	17.70
5	QPSK	12	13	16.03	16.28	16.00	17.70
5	QPSK	25	0	16.08	16.24	16.03	17.70
5	16QAM	1	0	15.89	16.14	15.94	17.70
5	16QAM	1	12	15.97	16.16	15.97	17.70
5	16QAM	1	24	16.01	16.26	15.94	17.70
5	16QAM	12	0	15.93	16.16	16.04	17.70
5	16QAM	12	7	16.08	16.14	16.05	17.70
5	16QAM	12	13	15.99	16.18	15.94	17.70
5	16QAM	25	0	15.77	16.15	15.75	17.70
5	64QAM	1	0	15.89	16.22	15.94	17.70
5	64QAM	1	12	15.99	16.19	15.91	17.70
5	64QAM	1	24	16.04	15.99	15.79	17.70
5	64QAM	12	0	16.17	16.31	16.00	17.70
5	64QAM	12	7	15.82	16.04	15.86	17.70
5	64QAM	12	13	16.14	16.07	15.99	17.70
5	64QAM	25	0	15.85	16.02	15.86	17.70
5	256QAM	1	0	15.97	16.24	15.99	17.70
5	256QAM	1	12	16.10	16.14	16.08	17.70
5	256QAM	1	24	16.01	16.13	15.93	17.70
5	256QAM	12	0	15.99	16.03	15.85	17.70
5	256QAM	12	7	15.97	15.98	15.84	17.70
5	256QAM	12	13	15.98	16.20	16.16	17.70
5	256QAM	25	0	16.01	16.21	15.98	17.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.35	16.41	16.38	18.10
20	QPSK	1	49	16.12	16.20	16.10	18.10
20	QPSK	1	99	16.11	16.18	16.10	18.10
20	QPSK	50	0	16.25	16.35	16.23	18.10
20	QPSK	50	24	16.10	16.25	16.11	18.10
20	QPSK	50	50	16.17	16.32	16.24	18.10
20	QPSK	100	0	16.23	16.33	16.17	18.10
20	16QAM	1	0	16.12	16.27	16.20	18.10
20	16QAM	1	49	16.20	16.27	16.17	18.10
20	16QAM	1	99	16.18	16.28	16.11	18.10
20	16QAM	50	0	16.11	16.12	16.10	18.10
20	16QAM	50	24	16.10	16.13	16.10	18.10
20	16QAM	50	50	16.11	16.18	16.14	18.10
20	16QAM	100	0	16.10	16.28	16.22	18.10
20	64QAM	1	0	16.11	16.21	16.13	18.10
20	64QAM	1	49	16.10	16.16	16.10	18.10
20	64QAM	1	99	16.10	16.12	16.10	18.10
20	64QAM	50	0	16.18	16.26	16.13	18.10
20	64QAM	50	24	16.14	16.31	16.21	18.10
20	64QAM	50	50	16.11	16.29	16.17	18.10
20	64QAM	100	0	16.16	16.24	16.18	18.10
20	256QAM	1	0	16.23	16.30	16.18	18.10
20	256QAM	1	49	16.10	16.17	16.11	18.10
20	256QAM	1	99	16.11	16.24	16.12	18.10
20	256QAM	50	0	16.11	16.29	16.14	18.10
20	256QAM	50	24	16.17	16.28	16.11	18.10
20	256QAM	50	50	16.10	16.10	16.11	18.10
20	256QAM	100	0	16.10	16.15	16.10	18.10
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.23	16.26	16.27	18.10
15	QPSK	1	37	16.11	16.10	16.12	18.10
15	QPSK	1	74	16.11	16.11	16.12	18.10
15	QPSK	36	0	16.17	16.33	16.17	18.10
15	QPSK	36	20	16.10	16.22	16.10	18.10
15	QPSK	36	39	16.11	16.23	16.16	18.10
15	QPSK	75	0	16.12	16.26	16.10	18.10



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15	16QAM	1	0	16.12	16.24	16.10	18.10
15	16QAM	1	37	16.10	16.22	16.13	18.10
15	16QAM	1	74	16.10	16.17	16.10	18.10
15	16QAM	36	0	16.11	16.10	16.11	18.10
15	16QAM	36	20	16.11	16.10	16.10	18.10
15	16QAM	36	39	16.10	16.11	16.10	18.10
15	16QAM	75	0	16.11	16.25	16.10	18.10
15	64QAM	1	0	16.11	16.17	16.11	18.10
15	64QAM	1	37	16.10	16.15	16.10	18.10
15	64QAM	1	74	16.11	16.10	16.10	18.10
15	64QAM	36	0	16.11	16.22	16.10	18.10
15	64QAM	36	20	16.11	16.18	16.10	18.10
15	64QAM	36	39	16.10	16.22	16.16	18.10
15	64QAM	75	0	16.11	16.11	16.14	18.10
15	256QAM	1	0	16.17	16.28	16.10	18.10
15	256QAM	1	37	16.10	16.10	16.11	18.10
15	256QAM	1	74	16.10	16.12	16.10	18.10
15	256QAM	36	0	16.11	16.22	16.12	18.10
15	256QAM	36	20	16.11	16.24	16.10	18.10
15	256QAM	36	39	16.11	16.10	16.10	18.10
15	256QAM	75	0	16.10	16.13	16.10	18.10
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	16.25	16.31	16.30	18.10
10	QPSK	1	25	16.10	16.17	16.11	18.10
10	QPSK	1	49	16.11	16.11	16.12	18.10
10	QPSK	25	0	16.22	16.23	16.15	18.10
10	QPSK	25	12	16.11	16.24	16.10	18.10
10	QPSK	25	25	16.10	16.26	16.17	18.10
10	QPSK	50	0	16.10	16.21	16.10	18.10
10	16QAM	1	0	16.11	16.14	16.10	18.10
10	16QAM	1	25	16.11	16.18	16.10	18.10
10	16QAM	1	49	16.16	16.26	16.11	18.10
10	16QAM	25	0	16.10	16.10	16.11	18.10
10	16QAM	25	12	16.11	16.10	16.10	18.10
10	16QAM	25	25	16.11	16.11	16.11	18.10
10	16QAM	50	0	16.11	16.21	16.18	18.10
10	64QAM	1	0	16.12	16.12	16.10	18.10
10	64QAM	1	25	16.10	16.11	16.10	18.10
10	64QAM	1	49	16.11	16.10	16.11	18.10
10	64QAM	25	0	16.11	16.15	16.11	18.10
10	64QAM	25	12	16.10	16.23	16.14	18.10
10	64QAM	25	25	16.10	16.17	16.14	18.10
10	64QAM	50	0	16.11	16.11	16.14	18.10
10	256QAM	1	0	16.20	16.20	16.10	18.10
10	256QAM	1	25	16.11	16.10	16.10	18.10
10	256QAM	1	49	16.11	16.11	16.10	18.10
10	256QAM	25	0	16.10	16.17	16.10	18.10
10	256QAM	25	12	16.11	16.24	16.10	18.10
10	256QAM	25	25	16.10	16.11	16.10	18.10
10	256QAM	50	0	16.10	16.10	16.10	18.10
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	16.24	16.33	16.25	18.10
5	QPSK	1	12	16.10	16.12	16.11	18.10
5	QPSK	1	24	16.10	16.17	16.10	18.10
5	QPSK	12	0	16.17	16.26	16.10	18.10
5	QPSK	12	7	16.11	16.15	16.11	18.10
5	QPSK	12	13	16.11	16.22	16.10	18.10
5	QPSK	25	0	16.11	16.19	16.12	18.10
5	16QAM	1	0	16.11	16.19	16.16	18.10
5	16QAM	1	12	16.10	16.25	16.14	18.10
5	16QAM	1	24	16.16	16.21	16.10	18.10
5	16QAM	12	0	16.10	16.11	16.11	18.10
5	16QAM	12	7	16.12	16.11	16.10	18.10
5	16QAM	12	13	16.10	16.11	16.12	18.10
5	16QAM	25	0	16.11	16.17	16.14	18.10
5	64QAM	1	0	16.11	16.16	16.10	18.10
5	64QAM	1	12	16.12	16.11	16.10	18.10
5	64QAM	1	24	16.10	16.10	16.11	18.10
5	64QAM	12	0	16.15	16.25	16.10	18.10
5	64QAM	12	7	16.11	16.23	16.19	18.10
5	64QAM	12	13	16.10	16.25	16.16	18.10
5	64QAM	25	0	16.10	16.20	16.10	18.10
5	256QAM	1	0	16.17	16.26	16.12	18.10
5	256QAM	1	12	16.10	16.13	16.12	18.10
5	256QAM	1	24	16.11	16.15	16.10	18.10
5	256QAM	12	0	16.11	16.22	16.10	18.10



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5	256QAM	12	7	16.10	16.15	16.11	18.10
5	256QAM	12	13	16.10	16.12	16.10	18.10
5	256QAM	25	0	16.10	16.11	16.11	18.10

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.41	20.46	20.43	
20	QPSK	1	49	20.15	20.35	20.25	21.70
20	QPSK	1	99	20.22	20.37	20.29	21.70
20	QPSK	50	0	20.34	20.38	20.33	21.70
20	QPSK	50	24	20.11	20.23	20.08	21.70
20	QPSK	50	50	20.14	20.32	20.26	21.70
20	QPSK	100	0	20.31	20.35	20.32	21.70
20	16QAM	1	0	20.16	20.23	20.08	21.70
20	16QAM	1	49	20.23	20.37	20.25	21.70
20	16QAM	1	99	20.27	20.34	20.22	21.70
20	16QAM	50	0	20.11	20.27	20.10	21.70
20	16QAM	50	24	20.06	20.25	20.11	21.70
20	16QAM	50	50	20.13	20.25	20.16	21.70
20	16QAM	100	0	20.22	20.31	20.18	21.70
20	64QAM	1	0	20.20	20.31	20.18	21.70
20	64QAM	1	49	20.24	20.32	20.27	21.70
20	64QAM	1	99	20.25	20.35	20.21	21.70
20	64QAM	50	0	20.01	20.16	20.01	21.70
20	64QAM	50	24	20.06	20.18	20.14	21.70
20	64QAM	50	50	20.06	20.15	20.08	21.70
20	64QAM	100	0	20.07	20.21	20.12	21.70
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.36	20.35	20.40	
15	QPSK	1	37	20.08	20.26	20.22	21.70
15	QPSK	1	74	20.20	20.30	20.17	21.70
15	QPSK	36	0	20.32	20.28	20.28	21.70
15	QPSK	36	20	20.00	20.21	19.99	21.70
15	QPSK	36	39	20.01	20.20	20.17	21.70
15	QPSK	75	0	20.19	20.30	20.27	21.70
15	16QAM	1	0	20.11	20.17	19.99	21.70
15	16QAM	1	37	20.12	20.26	20.21	21.70
15	16QAM	1	74	20.20	20.27	20.16	21.70
15	16QAM	36	0	19.98	20.21	19.99	21.70
15	16QAM	36	20	19.95	20.12	20.03	21.70
15	16QAM	36	39	20.07	20.11	20.09	21.70
15	16QAM	75	0	20.20	20.26	20.08	21.70
15	64QAM	1	0	20.13	20.17	20.14	21.70
15	64QAM	1	37	20.22	20.25	20.21	21.70
15	64QAM	1	74	20.20	20.24	20.14	21.70
15	64QAM	36	0	20.00	20.12	19.93	21.70
15	64QAM	36	20	19.95	20.13	20.11	21.70
15	64QAM	36	39	19.93	20.14	20.05	21.70
15	64QAM	75	0	20.01	20.14	20.04	21.70
15	256QAM	1	0	18.18	18.31	18.11	19.00
15	256QAM	1	37	18.17	18.28	18.09	19.00
15	256QAM	1	74	17.97	18.02	18.03	19.00
15	256QAM	36	0	18.23	18.20	18.12	19.00
15	256QAM	36	20	17.92	18.15	18.10	19.00
15	256QAM	36	39	17.94	18.08	18.02	19.00
15	256QAM	75	0	18.01	18.15	17.97	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.39	20.38	20.32	
10	QPSK	1	25	20.13	20.26	20.23	21.70
10	QPSK	1	49	20.11	20.27	20.26	21.70
10	QPSK	25	0	20.29	20.24	20.27	21.70



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10	QPSK	25	12	19.99	20.21	19.95	21.70
10	QPSK	25	25	20.13	20.29	20.17	21.70
10	QPSK	50	0	20.29	20.32	20.26	21.70
10	16QAM	1	0	20.09	20.18	20.00	21.70
10	16QAM	1	25	20.19	20.30	20.13	21.70
10	16QAM	1	49	20.18	20.31	20.17	21.70
10	16QAM	25	0	20.10	20.20	19.99	21.70
10	16QAM	25	12	20.04	20.10	20.10	21.70
10	16QAM	25	25	20.09	20.23	20.07	21.70
10	16QAM	50	0	20.18	20.25	20.05	21.70
10	64QAM	1	0	20.11	20.24	20.10	21.70
10	64QAM	1	25	20.23	20.27	20.13	21.70
10	64QAM	1	49	20.18	20.26	20.19	21.70
10	64QAM	25	0	19.87	20.13	19.89	21.70
10	64QAM	25	12	19.95	20.15	20.11	21.70
10	64QAM	25	25	19.97	20.07	20.03	21.70
10	64QAM	50	0	19.97	20.10	20.02	21.70
10	256QAM	1	0	18.18	18.24	18.23	19.00
10	256QAM	1	25	18.17	18.20	18.08	19.00
10	256QAM	1	49	18.03	18.05	18.04	19.00
10	256QAM	25	0	18.11	18.22	18.15	19.00
10	256QAM	25	12	17.95	18.14	18.07	19.00
10	256QAM	25	25	17.97	18.08	17.96	19.00
10	256QAM	50	0	17.93	18.10	17.99	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.34	20.32	20.39	21.70
5	QPSK	1	12	20.09	20.25	20.17	21.70
5	QPSK	1	24	20.17	20.29	20.18	21.70
5	QPSK	12	0	20.20	20.26	20.25	21.70
5	QPSK	12	7	20.03	20.13	20.04	21.70
5	QPSK	12	13	20.07	20.18	20.18	21.70
5	QPSK	25	0	20.28	20.29	20.27	21.70
5	16QAM	1	0	20.12	20.16	20.06	21.70
5	16QAM	1	12	20.11	20.29	20.13	21.70
5	16QAM	1	24	20.16	20.21	20.13	21.70
5	16QAM	12	0	20.00	20.17	20.08	21.70
5	16QAM	12	7	20.04	20.12	20.04	21.70
5	16QAM	12	13	20.11	20.16	20.09	21.70
5	16QAM	25	0	20.14	20.24	20.12	21.70
5	64QAM	1	0	20.13	20.17	20.03	21.70
5	64QAM	1	12	20.12	20.30	20.14	21.70
5	64QAM	1	24	20.23	20.27	20.06	21.70
5	64QAM	12	0	19.97	20.15	19.95	21.70
5	64QAM	12	7	19.94	20.11	20.02	21.70
5	64QAM	12	13	19.93	20.00	20.06	21.70
5	64QAM	25	0	19.98	20.13	20.09	21.70
5	256QAM	1	0	18.06	18.22	18.10	19.00
5	256QAM	1	12	18.16	18.26	18.06	19.00
5	256QAM	1	24	17.95	18.01	18.02	19.00
5	256QAM	12	0	18.14	18.28	18.19	19.00
5	256QAM	12	7	17.96	18.15	18.08	19.00
5	256QAM	12	13	17.97	18.05	18.03	19.00
5	256QAM	25	0	18.00	18.16	17.97	19.00

【LTE Band 7_Ant 3_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	12.62	12.63	12.62	13.60
20	QPSK	1	49	12.51	12.49	12.46	13.60
20	QPSK	1	99	12.54	12.44	12.51	13.60
20	QPSK	50	0	12.58	12.61	12.57	13.60
20	QPSK	50	24	12.45	12.53	12.43	13.60
20	QPSK	50	50	12.46	12.48	12.39	13.60
20	QPSK	100	0	12.36	12.47	12.41	13.60
20	16QAM	1	0	12.55	12.42	12.47	13.60
20	16QAM	1	49	12.51	12.41	12.44	13.60
20	16QAM	1	99	12.36	12.47	12.42	13.60
20	16QAM	50	0	12.49	12.40	12.34	13.60
20	16QAM	50	24	12.52	12.52	12.36	13.60
20	16QAM	50	50	12.51	12.40	12.45	13.60



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20	16QAM	100	0	12.41	12.32	12.39	13.60
20	64QAM	1	0	12.42	12.37	12.41	13.60
20	64QAM	1	49	12.39	12.44	12.45	13.60
20	64QAM	1	99	12.43	12.43	12.36	13.60
20	64QAM	50	0	12.43	12.32	12.48	13.60
20	64QAM	50	24	12.43	12.51	12.40	13.60
20	64QAM	50	50	12.52	12.38	12.45	13.60
20	64QAM	100	0	12.45	12.34	12.50	13.60
20	256QAM	1	0	12.50	12.43	12.52	13.60
20	256QAM	1	49	12.39	12.44	12.40	13.60
20	256QAM	1	99	12.47	12.36	12.48	13.60
20	256QAM	50	0	12.36	12.54	12.52	13.60
20	256QAM	50	24	12.41	12.44	12.46	13.60
20	256QAM	50	50	12.44	12.40	12.50	13.60
20	256QAM	100	0	12.39	12.52	12.44	13.60
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	12.58	12.54	12.53	13.60
15	QPSK	1	37	12.46	12.46	12.41	13.60
15	QPSK	1	74	12.41	12.31	12.41	13.60
15	QPSK	36	0	12.40	12.62	12.46	13.60
15	QPSK	36	20	12.44	12.41	12.36	13.60
15	QPSK	36	39	12.36	12.37	12.26	13.60
15	QPSK	75	0	12.30	12.43	12.36	13.60
15	16QAM	1	0	12.45	12.33	12.43	13.60
15	16QAM	1	37	12.47	12.27	12.38	13.60
15	16QAM	1	74	12.22	12.37	12.33	13.60
15	16QAM	36	0	12.47	12.30	12.30	13.60
15	16QAM	36	20	12.37	12.41	12.27	13.60
15	16QAM	36	39	12.46	12.35	12.43	13.60
15	16QAM	75	0	12.30	12.27	12.31	13.60
15	64QAM	1	0	12.34	12.24	12.29	13.60
15	64QAM	1	37	12.38	12.39	12.39	13.60
15	64QAM	1	74	12.37	12.29	12.34	13.60
15	64QAM	36	0	12.36	12.27	12.39	13.60
15	64QAM	36	20	12.30	12.46	12.30	13.60
15	64QAM	36	39	12.46	12.29	12.36	13.60
15	64QAM	75	0	12.33	12.30	12.44	13.60
15	256QAM	1	0	12.43	12.31	12.38	13.60
15	256QAM	1	37	12.30	12.33	12.28	13.60
15	256QAM	1	74	12.38	12.23	12.37	13.60
15	256QAM	36	0	12.27	12.46	12.47	13.60
15	256QAM	36	20	12.31	12.43	12.35	13.60
15	256QAM	36	39	12.34	12.36	12.42	13.60
15	256QAM	75	0	12.24	12.50	12.40	13.60
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	12.50	12.58	12.56	13.60
10	QPSK	1	25	12.41	12.37	12.39	13.60
10	QPSK	1	49	12.48	12.34	12.47	13.60
10	QPSK	25	0	12.32	12.62	12.50	13.60
10	QPSK	25	12	12.44	12.49	12.35	13.60
10	QPSK	25	25	12.43	12.43	12.37	13.60
10	QPSK	50	0	12.23	12.42	12.36	13.60
10	16QAM	1	0	12.49	12.35	12.43	13.60
10	16QAM	1	25	12.47	12.29	12.33	13.60
10	16QAM	1	49	12.24	12.34	12.31	13.60
10	16QAM	25	0	12.40	12.33	12.22	13.60
10	16QAM	25	12	12.40	12.46	12.28	13.60
10	16QAM	25	25	12.45	12.27	12.31	13.60
10	16QAM	50	0	12.26	12.19	12.35	13.60
10	64QAM	1	0	12.31	12.22	12.37	13.60
10	64QAM	1	25	12.36	12.33	12.42	13.60
10	64QAM	1	49	12.34	12.30	12.22	13.60
10	64QAM	25	0	12.33	12.20	12.39	13.60
10	64QAM	25	12	12.36	12.49	12.33	13.60
10	64QAM	25	25	12.47	12.29	12.40	13.60
10	64QAM	50	0	12.43	12.28	12.44	13.60
10	256QAM	1	0	12.38	12.31	12.42	13.60
10	256QAM	1	25	12.30	12.31	12.36	13.60
10	256QAM	1	49	12.33	12.26	12.36	13.60
10	256QAM	25	0	12.25	12.43	12.37	13.60
10	256QAM	25	12	12.36	12.37	12.43	13.60
10	256QAM	25	25	12.33	12.36	12.36	13.60
10	256QAM	50	0	12.26	12.44	12.38	13.60
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	12.57	12.58	12.60	13.60



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5	QPSK	1	12	12.49	12.36	12.42	13.60
5	QPSK	1	24	12.47	12.41	12.42	13.60
5	QPSK	12	0	12.28	12.60	12.48	13.60
5	QPSK	12	7	12.37	12.45	12.41	13.60
5	QPSK	12	13	12.35	12.45	12.37	13.60
5	QPSK	25	0	12.32	12.40	12.44	13.60
5	16QAM	1	0	12.52	12.35	12.43	13.60
5	16QAM	1	12	12.40	12.39	12.41	13.60
5	16QAM	1	24	12.23	12.36	12.41	13.60
5	16QAM	12	0	12.39	12.28	12.20	13.60
5	16QAM	12	7	12.38	12.38	12.28	13.60
5	16QAM	12	13	12.44	12.33	12.37	13.60
5	16QAM	25	0	12.36	12.28	12.37	13.60
5	64QAM	1	0	12.32	12.34	12.34	13.60
5	64QAM	1	12	12.36	12.38	12.38	13.60
5	64QAM	1	24	12.33	12.41	12.28	13.60
5	64QAM	12	0	12.38	12.19	12.41	13.60
5	64QAM	12	7	12.29	12.42	12.33	13.60
5	64QAM	12	13	12.47	12.24	12.40	13.60
5	64QAM	25	0	12.36	12.24	12.47	13.60
5	256QAM	1	0	12.46	12.35	12.40	13.60
5	256QAM	1	12	12.29	12.38	12.36	13.60
5	256QAM	1	24	12.37	12.26	12.40	13.60
5	256QAM	12	0	12.29	12.40	12.48	13.60
5	256QAM	12	7	12.39	12.36	12.38	13.60
5	256QAM	12	13	12.36	12.37	12.37	13.60
5	256QAM	25	0	12.31	12.47	12.37	13.60

【LTE Band 7_Ant 3_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	15.41	15.43	15.38	17.20
20	QPSK	1	49	15.20	15.25	15.20	17.20
20	QPSK	1	99	15.21	15.21	15.20	17.20
20	QPSK	50	0	15.25	15.35	15.20	17.20
20	QPSK	50	24	15.20	15.20	15.20	17.20
20	QPSK	50	50	15.20	15.23	15.20	17.20
20	QPSK	100	0	15.24	15.34	15.21	17.20
20	16QAM	1	0	15.20	15.24	15.20	17.20
20	16QAM	1	49	15.23	15.26	15.21	17.20
20	16QAM	1	99	15.24	15.29	15.20	17.20
20	16QAM	50	0	15.21	15.24	15.20	17.20
20	16QAM	50	24	15.22	15.28	15.21	17.20
20	16QAM	50	50	15.29	15.33	15.26	17.20
20	16QAM	100	0	15.20	15.23	15.20	17.20
20	64QAM	1	0	15.22	15.26	15.20	17.20
20	64QAM	1	49	15.21	15.22	15.21	17.20
20	64QAM	1	99	15.23	15.32	15.21	17.20
20	64QAM	50	0	15.21	15.24	15.20	17.20
20	64QAM	50	24	15.29	15.35	15.20	17.20
20	64QAM	50	50	15.23	15.28	15.20	17.20
20	64QAM	100	0	15.20	15.26	15.20	17.20
20	256QAM	1	0	15.21	15.22	15.20	17.20
20	256QAM	1	49	15.20	15.33	15.24	17.20
20	256QAM	1	99	15.29	15.34	15.21	17.20
20	256QAM	50	0	15.20	15.32	15.20	17.20
20	256QAM	50	24	15.20	15.24	15.21	17.20
20	256QAM	50	50	15.21	15.20	15.20	17.20
20	256QAM	100	0	15.20	15.22	15.21	17.20
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.27	15.29	15.32	17.20
15	QPSK	1	37	15.22	15.21	15.22	17.20
15	QPSK	1	74	15.21	15.20	15.21	17.20
15	QPSK	36	0	15.22	15.20	15.20	17.20
15	QPSK	36	20	15.21	15.21	15.21	17.20
15	QPSK	36	39	15.20	15.20	15.20	17.20
15	QPSK	75	0	15.20	15.32	15.21	17.20
15	16QAM	1	0	15.20	15.20	15.21	17.20
15	16QAM	1	37	15.21	15.22	15.20	17.20
15	16QAM	1	74	15.23	15.20	15.20	17.20



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15	16QAM	36	0	15.20	15.21	15.21	17.20
15	16QAM	36	20	15.20	15.21	15.21	17.20
15	16QAM	36	39	15.21	15.21	15.23	17.20
15	16QAM	75	0	15.20	15.20	15.22	17.20
15	64QAM	1	0	15.21	15.22	15.22	17.20
15	64QAM	1	37	15.20	15.20	15.21	17.20
15	64QAM	1	74	15.20	15.22	15.21	17.20
15	64QAM	36	0	15.20	15.22	15.21	17.20
15	64QAM	36	20	15.21	15.22	15.20	17.20
15	64QAM	36	39	15.21	15.24	15.20	17.20
15	64QAM	75	0	15.20	15.20	15.21	17.20
15	256QAM	1	0	15.20	15.20	15.22	17.20
15	256QAM	1	37	15.20	15.25	15.20	17.20
15	256QAM	1	74	15.21	15.20	15.20	17.20
15	256QAM	36	0	15.20	15.21	15.21	17.20
15	256QAM	36	20	15.20	15.20	15.21	17.20
15	256QAM	36	39	15.20	15.22	15.20	17.20
15	256QAM	75	0	15.20	15.21	15.20	17.20
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	15.28	15.41	15.28	17.20
10	QPSK	1	25	15.20	15.20	15.21	17.20
10	QPSK	1	49	15.21	15.20	15.21	17.20
10	QPSK	25	0	15.20	15.22	15.20	17.20
10	QPSK	25	12	15.22	15.20	15.21	17.20
10	QPSK	25	25	15.20	15.20	15.20	17.20
10	QPSK	50	0	15.22	15.27	15.20	17.20
10	16QAM	1	0	15.20	15.20	15.20	17.20
10	16QAM	1	25	15.20	15.25	15.20	17.20
10	16QAM	1	49	15.20	15.21	15.20	17.20
10	16QAM	25	0	15.21	15.23	15.21	17.20
10	16QAM	25	12	15.20	15.21	15.22	17.20
10	16QAM	25	25	15.20	15.22	15.20	17.20
10	16QAM	50	0	15.20	15.20	15.20	17.20
10	64QAM	1	0	15.21	15.21	15.20	17.20
10	64QAM	1	25	15.22	15.20	15.20	17.20
10	64QAM	1	49	15.21	15.31	15.20	17.20
10	64QAM	25	0	15.20	15.21	15.22	17.20
10	64QAM	25	12	15.23	15.27	15.21	17.20
10	64QAM	25	25	15.22	15.25	15.21	17.20
10	64QAM	50	0	15.21	15.20	15.20	17.20
10	256QAM	1	0	15.21	15.21	15.22	17.20
10	256QAM	1	25	15.20	15.27	15.20	17.20
10	256QAM	1	49	15.20	15.25	15.20	17.20
10	256QAM	25	0	15.20	15.30	15.20	17.20
10	256QAM	25	12	15.21	15.20	15.21	17.20
10	256QAM	25	25	15.20	15.21	15.21	17.20
10	256QAM	50	0	15.22	15.21	15.20	17.20
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	15.29	15.38	15.23	17.20
5	QPSK	1	12	15.20	15.20	15.20	17.20
5	QPSK	1	24	15.20	15.20	15.21	17.20
5	QPSK	12	0	15.21	15.20	15.22	17.20
5	QPSK	12	7	15.20	15.20	15.22	17.20
5	QPSK	12	13	15.21	15.22	15.21	17.20
5	QPSK	25	0	15.22	15.27	15.20	17.20
5	16QAM	1	0	15.20	15.22	15.21	17.20
5	16QAM	1	12	15.20	15.21	15.21	17.20
5	16QAM	1	24	15.22	15.20	15.20	17.20
5	16QAM	12	0	15.21	15.21	15.21	17.20
5	16QAM	12	7	15.21	15.20	15.21	17.20
5	16QAM	12	13	15.20	15.25	15.23	17.20
5	16QAM	25	0	15.20	15.21	15.20	17.20
5	64QAM	1	0	15.21	15.22	15.21	17.20
5	64QAM	1	12	15.20	15.20	15.20	17.20
5	64QAM	1	24	15.20	15.29	15.21	17.20
5	64QAM	12	0	15.20	15.21	15.21	17.20
5	64QAM	12	7	15.20	15.21	15.21	17.20
5	64QAM	12	13	15.21	15.21	15.20	17.20
5	64QAM	25	0	15.21	15.22	15.21	17.20
5	256QAM	1	0	15.20	15.21	15.21	17.20
5	256QAM	1	12	15.20	15.22	15.23	17.20
5	256QAM	1	24	15.20	15.26	15.21	17.20
5	256QAM	12	0	15.20	15.28	15.22	17.20
5	256QAM	12	7	15.21	15.20	15.21	17.20
5	256QAM	12	13	15.20	15.20	15.20	17.20
5	256QAM	25	0	15.21	15.20	15.21	17.20

**【LTE Band 7_Ant 3_DSI 4】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.28	23.35	23.33	24.00
20	QPSK	1	49	23.03	23.24	23.14	24.00
20	QPSK	1	99	22.99	23.19	23.06	24.00
20	QPSK	50	0	22.31	22.36	22.34	23.00
20	QPSK	50	24	22.11	22.24	22.20	23.00
20	QPSK	50	50	22.21	22.29	22.14	23.00
20	QPSK	100	0	22.20	22.32	22.20	23.00
20	16QAM	1	0	22.14	22.34	22.28	23.00
20	16QAM	1	49	22.02	22.15	22.07	23.00
20	16QAM	1	99	22.07	22.25	22.16	23.00
20	16QAM	50	0	21.12	21.33	21.19	22.00
20	16QAM	50	24	20.99	21.19	21.12	22.00
20	16QAM	50	50	21.10	21.19	21.03	22.00
20	16QAM	100	0	21.18	21.32	21.22	22.00
20	64QAM	1	0	21.22	21.31	21.22	22.00
20	64QAM	1	49	21.07	21.17	21.03	22.00
20	64QAM	1	99	21.00	21.18	21.03	22.00
20	64QAM	50	0	20.05	20.19	20.16	21.00
20	64QAM	50	24	20.24	20.36	20.21	21.00
20	64QAM	50	50	19.96	20.17	20.07	21.00
20	64QAM	100	0	20.10	20.21	20.10	21.00
20	256QAM	1	0	18.20	18.36	18.25	19.00
20	256QAM	1	49	18.20	18.30	18.17	19.00
20	256QAM	1	99	18.05	18.15	18.08	19.00
20	256QAM	50	0	18.25	18.32	18.22	19.00
20	256QAM	50	24	18.01	18.16	18.12	19.00
20	256QAM	50	50	18.05	18.17	18.07	19.00
20	256QAM	100	0	18.05	18.18	18.04	19.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.21	23.33	23.32	24.00
15	QPSK	1	37	22.93	23.20	23.00	24.00
15	QPSK	1	74	22.87	23.13	23.01	24.00
15	QPSK	36	0	22.19	22.24	22.21	23.00
15	QPSK	36	20	22.09	22.16	22.14	23.00
15	QPSK	36	39	22.07	22.15	22.11	23.00
15	QPSK	75	0	22.12	22.18	22.06	23.00
15	16QAM	1	0	22.02	22.27	22.21	23.00
15	16QAM	1	37	21.98	22.03	21.93	23.00
15	16QAM	1	74	21.95	22.14	22.15	23.00
15	16QAM	36	0	21.06	21.26	21.07	22.00
15	16QAM	36	20	20.86	21.05	21.03	22.00
15	16QAM	36	39	21.07	21.06	20.93	22.00
15	16QAM	75	0	21.10	21.18	21.09	22.00
15	64QAM	1	0	21.18	21.19	21.16	22.00
15	64QAM	1	37	20.95	21.11	20.89	22.00
15	64QAM	1	74	20.93	21.05	20.96	22.00
15	64QAM	36	0	20.00	20.07	20.11	21.00
15	64QAM	36	20	20.20	20.23	20.13	21.00
15	64QAM	36	39	19.83	20.13	20.03	21.00
15	64QAM	75	0	20.05	20.09	20.01	21.00
15	256QAM	1	0	18.13	18.30	18.11	19.00
15	256QAM	1	37	18.18	18.27	18.13	19.00
15	256QAM	1	74	17.92	18.13	18.02	19.00
15	256QAM	36	0	18.15	18.25	18.10	19.00
15	256QAM	36	20	17.97	18.04	18.10	19.00
15	256QAM	36	39	18.03	18.07	18.02	19.00
15	256QAM	75	0	18.00	18.13	18.00	19.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.23	23.23	23.29	24.00
10	QPSK	1	25	22.98	23.22	23.12	24.00
10	QPSK	1	49	22.95	23.12	22.98	24.00
10	QPSK	25	0	22.27	22.32	22.30	23.00
10	QPSK	25	12	22.00	22.22	22.12	23.00
10	QPSK	25	25	22.13	22.21	22.08	23.00
10	QPSK	50	0	22.13	22.17	22.11	23.00



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10	16QAM	1	0	22.10	22.24	22.25	23.00
10	16QAM	1	25	21.92	22.06	22.03	23.00
10	16QAM	1	49	21.94	22.10	22.11	23.00
10	16QAM	25	0	21.08	21.23	21.14	22.00
10	16QAM	25	12	20.89	21.11	21.09	22.00
10	16QAM	25	25	21.00	21.05	20.90	22.00
10	16QAM	50	0	21.04	21.19	21.14	22.00
10	64QAM	1	0	21.13	21.19	21.16	22.00
10	64QAM	1	25	21.05	21.13	20.92	22.00
10	64QAM	1	49	20.95	21.05	20.92	22.00
10	64QAM	25	0	19.92	20.18	20.04	21.00
10	64QAM	25	12	20.16	20.26	20.09	21.00
10	64QAM	25	25	19.94	20.16	20.02	21.00
10	64QAM	50	0	20.04	20.18	20.03	21.00
10	256QAM	1	0	18.12	18.23	18.23	19.00
10	256QAM	1	25	18.12	18.19	18.08	19.00
10	256QAM	1	49	17.91	18.10	18.01	19.00
10	256QAM	25	0	18.21	18.23	18.10	19.00
10	256QAM	25	12	17.91	18.14	18.03	19.00
10	256QAM	25	25	17.98	18.04	18.02	19.00
10	256QAM	50	0	18.00	18.05	17.92	19.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.25	23.34	23.26	24.00
5	QPSK	1	12	22.88	23.22	23.07	24.00
5	QPSK	1	24	22.98	23.05	22.92	24.00
5	QPSK	12	0	22.26	22.26	22.26	23.00
5	QPSK	12	7	21.99	22.17	22.15	23.00
5	QPSK	12	13	22.06	22.18	22.04	23.00
5	QPSK	25	0	22.16	22.27	22.07	23.00
5	16QAM	1	0	22.00	22.26	22.23	23.00
5	16QAM	1	12	21.99	22.10	21.97	23.00
5	16QAM	1	24	22.01	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.24	21.16	22.00
5	16QAM	12	7	20.86	21.17	21.02	22.00
5	16QAM	12	13	20.96	21.07	21.01	22.00
5	16QAM	25	0	21.15	21.30	21.09	22.00
5	64QAM	1	0	21.19	21.23	21.07	22.00
5	64QAM	1	12	21.01	21.16	20.96	22.00
5	64QAM	1	24	20.91	21.05	21.01	22.00
5	64QAM	12	0	19.90	20.10	20.06	21.00
5	64QAM	12	7	20.10	20.26	20.11	21.00
5	64QAM	12	13	19.86	20.14	19.97	21.00
5	64QAM	25	0	20.02	20.17	19.98	21.00
5	256QAM	1	0	18.14	18.29	18.22	19.00
5	256QAM	1	12	18.12	18.27	18.14	19.00
5	256QAM	1	24	18.02	18.13	17.96	19.00
5	256QAM	12	0	18.20	18.24	18.08	19.00
5	256QAM	12	7	17.98	18.10	18.10	19.00
5	256QAM	12	13	17.92	18.14	18.06	19.00
5	256QAM	25	0	18.00	18.12	17.90	19.00

【LTE Band 7_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00



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20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00



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5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 7_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.86	21.95	21.92	
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.74	21.90	21.91	
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00



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15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00
5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

**【LTE Band 7_Ant 4_DSI 3】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	20.00
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.05	19.08	19.06	20.00
20	QPSK	1	49	18.86	18.96	18.88	20.00
20	QPSK	1	99	18.82	18.86	18.81	20.00
20	QPSK	50	0	18.92	18.98	18.96	20.00
20	QPSK	50	24	18.55	18.75	18.63	20.00
20	QPSK	50	50	18.59	18.74	18.60	20.00
20	QPSK	100	0	18.78	18.94	18.85	20.00
20	16QAM	1	0	18.73	18.90	18.82	20.00
20	16QAM	1	49	18.55	18.75	18.59	20.00
20	16QAM	1	99	18.73	18.87	18.77	20.00
20	16QAM	50	0	18.80	18.92	18.77	20.00
20	16QAM	50	24	18.71	18.90	18.78	20.00
20	16QAM	50	50	18.69	18.87	18.76	20.00
20	16QAM	100	0	18.65	18.82	18.72	20.00
20	64QAM	1	0	18.70	18.92	18.86	20.00
20	64QAM	1	49	18.60	18.76	18.62	20.00
20	64QAM	1	99	18.63	18.85	18.72	20.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00
20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	20.00
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	18.95	19.05	19.04	20.00
15	QPSK	1	37	18.80	18.90	18.76	20.00
15	QPSK	1	74	18.81	18.73	18.79	20.00
15	QPSK	36	0	18.81	18.87	18.92	20.00
15	QPSK	36	20	18.50	18.63	18.53	20.00
15	QPSK	36	39	18.55	18.66	18.56	20.00
15	QPSK	75	0	18.67	18.80	18.70	20.00
15	16QAM	1	0	18.65	18.84	18.71	20.00
15	16QAM	1	37	18.44	18.61	18.57	20.00
15	16QAM	1	74	18.62	18.76	18.65	20.00
15	16QAM	36	0	18.70	18.88	18.73	20.00
15	16QAM	36	20	18.67	18.84	18.73	20.00
15	16QAM	36	39	18.67	18.84	18.67	20.00
15	16QAM	75	0	18.51	18.76	18.67	20.00
15	64QAM	1	0	18.57	18.77	18.80	20.00
15	64QAM	1	37	18.58	18.68	18.55	20.00
15	64QAM	1	74	18.48	18.79	18.63	20.00
15	64QAM	36	0	18.59	18.81	18.57	20.00
15	64QAM	36	20	18.45	18.72	18.52	20.00
15	64QAM	36	39	18.64	18.89	18.68	20.00
15	64QAM	75	0	18.65	18.74	18.67	20.00
15	256QAM	1	0	16.50	16.66	16.56	18.00
15	256QAM	1	37	16.60	16.81	16.66	18.00
15	256QAM	1	74	16.49	16.63	16.53	18.00
15	256QAM	36	0	16.73	16.91	16.86	18.00
15	256QAM	36	20	16.64	16.66	16.58	18.00
15	256QAM	36	39	16.59	16.73	16.70	18.00
15	256QAM	75	0	16.63	16.70	16.57	18.00
Channel				20800	21100	21400	20.00
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.03	18.95	18.97	20.00
10	QPSK	1	25	18.72	18.92	18.85	20.00
10	QPSK	1	49	18.75	18.76	18.76	20.00
10	QPSK	25	0	18.85	18.94	18.95	20.00
10	QPSK	25	12	18.52	18.71	18.60	20.00
10	QPSK	25	25	18.55	18.67	18.58	20.00
10	QPSK	50	0	18.67	18.81	18.71	20.00
10	16QAM	1	0	18.59	18.85	18.79	20.00
10	16QAM	1	25	18.44	18.61	18.54	20.00
10	16QAM	1	49	18.64	18.79	18.71	20.00



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10	16QAM	25	0	18.72	18.79	18.75	20.00
10	16QAM	25	12	18.60	18.82	18.67	20.00
10	16QAM	25	25	18.64	18.83	18.65	20.00
10	16QAM	50	0	18.57	18.75	18.70	20.00
10	64QAM	1	0	18.63	18.84	18.75	20.00
10	64QAM	1	25	18.46	18.65	18.49	20.00
10	64QAM	1	49	18.59	18.81	18.63	20.00
10	64QAM	25	0	18.54	18.72	18.57	20.00
10	64QAM	25	12	18.50	18.73	18.62	20.00
10	64QAM	25	25	18.69	18.93	18.69	20.00
10	64QAM	50	0	18.57	18.71	18.59	20.00
10	256QAM	1	0	16.52	16.61	16.55	18.00
10	256QAM	1	25	16.70	16.87	16.68	18.00
10	256QAM	1	49	16.52	16.68	16.62	18.00
10	256QAM	25	0	16.65	16.91	16.79	18.00
10	256QAM	25	12	16.61	16.63	16.58	18.00
10	256QAM	25	25	16.64	16.74	16.68	18.00
10	256QAM	50	0	16.58	16.76	16.55	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	18.97	19.00	18.95	20.00
5	QPSK	1	12	18.74	18.85	18.84	20.00
5	QPSK	1	24	18.73	18.75	18.80	20.00
5	QPSK	12	0	18.87	18.84	18.90	20.00
5	QPSK	12	7	18.45	18.65	18.54	20.00
5	QPSK	12	13	18.52	18.69	18.56	20.00
5	QPSK	25	0	18.71	18.82	18.83	20.00
5	16QAM	1	0	18.65	18.77	18.81	20.00
5	16QAM	1	12	18.46	18.71	18.49	20.00
5	16QAM	1	24	18.58	18.74	18.72	20.00
5	16QAM	12	0	18.71	18.91	18.64	20.00
5	16QAM	12	7	18.69	18.77	18.64	20.00
5	16QAM	12	13	18.60	18.79	18.75	20.00
5	16QAM	25	0	18.51	18.71	18.70	20.00
5	64QAM	1	0	18.64	18.81	18.75	20.00
5	64QAM	1	12	18.52	18.70	18.51	20.00
5	64QAM	1	24	18.60	18.73	18.57	20.00
5	64QAM	12	0	18.51	18.67	18.58	20.00
5	64QAM	12	7	18.48	18.72	18.61	20.00
5	64QAM	12	13	18.69	18.87	18.68	20.00
5	64QAM	25	0	18.67	18.78	18.62	20.00
5	256QAM	1	0	16.43	16.63	16.63	18.00
5	256QAM	1	12	16.67	16.87	16.76	18.00
5	256QAM	1	24	16.52	16.62	16.53	18.00
5	256QAM	12	0	16.76	16.80	16.80	18.00
5	256QAM	12	7	16.63	16.72	16.57	18.00
5	256QAM	12	13	16.65	16.82	16.64	18.00
5	256QAM	25	0	16.54	16.73	16.66	18.00

【LTE Band 7_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.91	20.98	20.93	22.00
20	QPSK	1	49	20.79	20.82	20.86	22.00
20	QPSK	1	99	20.70	20.85	20.85	22.00
20	QPSK	50	0	20.78	20.85	20.83	22.00
20	QPSK	50	24	20.75	20.78	20.82	22.00
20	QPSK	50	50	20.77	20.75	20.78	22.00
20	QPSK	100	0	20.75	20.89	20.83	22.00
20	16QAM	1	0	20.73	20.93	20.90	22.00
20	16QAM	1	49	20.71	20.87	20.82	22.00
20	16QAM	1	99	20.80	20.79	20.86	22.00
20	16QAM	50	0	19.77	19.88	19.76	21.00
20	16QAM	50	24	19.71	19.84	19.88	21.00
20	16QAM	50	50	19.81	19.87	19.77	21.00
20	16QAM	100	0	19.71	19.91	19.93	21.00
20	64QAM	1	0	19.78	19.78	19.76	21.00
20	64QAM	1	49	19.75	19.86	19.80	21.00
20	64QAM	1	99	19.73	19.86	19.88	21.00
20	64QAM	50	0	18.83	18.87	18.90	20.00
20	64QAM	50	24	18.89	18.97	18.96	20.00



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20	64QAM	50	50	18.94	18.94	18.89	20.00
20	64QAM	100	0	18.84	18.81	18.96	20.00
20	256QAM	1	0	16.81	16.94	16.95	18.00
20	256QAM	1	49	16.84	16.93	16.89	18.00
20	256QAM	1	99	16.80	16.99	17.02	18.00
20	256QAM	50	0	16.80	16.97	16.90	18.00
20	256QAM	50	24	16.87	17.02	17.02	18.00
20	256QAM	50	50	16.93	16.90	16.96	18.00
20	256QAM	100	0	16.81	16.86	16.88	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.79	20.92	20.84	22.00
15	QPSK	1	37	20.67	20.76	20.82	22.00
15	QPSK	1	74	20.59	20.75	20.82	22.00
15	QPSK	36	0	20.64	20.72	20.72	22.00
15	QPSK	36	20	20.69	20.67	20.80	22.00
15	QPSK	36	39	20.74	20.74	20.70	22.00
15	QPSK	75	0	20.67	20.81	20.76	22.00
15	16QAM	1	0	20.58	20.85	20.86	22.00
15	16QAM	1	37	20.70	20.84	20.79	22.00
15	16QAM	1	74	20.75	20.72	20.82	22.00
15	16QAM	36	0	19.74	19.85	19.63	21.00
15	16QAM	36	20	19.65	19.77	19.80	21.00
15	16QAM	36	39	19.73	19.74	19.75	21.00
15	16QAM	75	0	19.65	19.87	19.85	21.00
15	64QAM	1	0	19.75	19.72	19.66	21.00
15	64QAM	1	37	19.64	19.73	19.77	21.00
15	64QAM	1	74	19.60	19.85	19.80	21.00
15	64QAM	36	0	18.80	18.78	18.80	20.00
15	64QAM	36	20	18.79	18.87	18.91	20.00
15	64QAM	36	39	18.82	18.89	18.76	20.00
15	64QAM	75	0	18.72	18.67	18.84	20.00
15	256QAM	1	0	16.73	16.85	16.84	18.00
15	256QAM	1	37	16.73	16.91	16.83	18.00
15	256QAM	1	74	16.65	16.90	16.92	18.00
15	256QAM	36	0	16.76	16.84	16.75	18.00
15	256QAM	36	20	16.81	16.89	16.90	18.00
15	256QAM	36	39	16.83	16.78	16.85	18.00
15	256QAM	75	0	16.79	16.74	16.87	18.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	20.87	20.95	20.90	22.00
10	QPSK	1	25	20.70	20.79	20.78	22.00
10	QPSK	1	49	20.63	20.73	20.72	22.00
10	QPSK	25	0	20.68	20.77	20.73	22.00
10	QPSK	25	12	20.72	20.63	20.67	22.00
10	QPSK	25	25	20.73	20.70	20.70	22.00
10	QPSK	50	0	20.70	20.76	20.76	22.00
10	16QAM	1	0	20.59	20.89	20.80	22.00
10	16QAM	1	25	20.57	20.74	20.79	22.00
10	16QAM	1	49	20.76	20.72	20.73	22.00
10	16QAM	25	0	19.72	19.76	19.68	21.00
10	16QAM	25	12	19.62	19.81	19.84	21.00
10	16QAM	25	25	19.74	19.80	19.66	21.00
10	16QAM	50	0	19.69	19.82	19.85	21.00
10	64QAM	1	0	19.71	19.67	19.74	21.00
10	64QAM	1	25	19.64	19.75	19.77	21.00
10	64QAM	1	49	19.72	19.74	19.77	21.00
10	64QAM	25	0	18.68	18.78	18.85	20.00
10	64QAM	25	12	18.87	18.92	18.84	20.00
10	64QAM	25	25	18.84	18.89	18.83	20.00
10	64QAM	50	0	18.82	18.79	18.93	20.00
10	256QAM	1	0	16.74	16.92	16.93	18.00
10	256QAM	1	25	16.76	16.91	16.76	18.00
10	256QAM	1	49	16.69	16.88	16.94	18.00
10	256QAM	25	0	16.67	16.89	16.79	18.00
10	256QAM	25	12	16.82	16.97	16.90	18.00
10	256QAM	25	25	16.79	16.85	16.89	18.00
10	256QAM	50	0	16.77	16.78	16.81	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.84	20.95	20.78	22.00
5	QPSK	1	12	20.73	20.67	20.72	22.00
5	QPSK	1	24	20.65	20.76	20.74	22.00
5	QPSK	12	0	20.72	20.68	20.80	22.00
5	QPSK	12	7	20.67	20.71	20.74	22.00
5	QPSK	12	13	20.63	20.66	20.72	22.00
5	QPSK	25	0	20.62	20.87	20.71	22.00



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5	16QAM	1	0	20.64	20.79	20.86	22.00
5	16QAM	1	12	20.66	20.80	20.81	22.00
5	16QAM	1	24	20.69	20.75	20.73	22.00
5	16QAM	12	0	19.73	19.75	19.73	21.00
5	16QAM	12	7	19.63	19.81	19.77	21.00
5	16QAM	12	13	19.74	19.82	19.73	21.00
5	16QAM	25	0	19.69	19.83	19.84	21.00
5	64QAM	1	0	19.65	19.72	19.68	21.00
5	64QAM	1	12	19.62	19.81	19.69	21.00
5	64QAM	1	24	19.71	19.75	19.82	21.00
5	64QAM	12	0	18.74	18.75	18.76	20.00
5	64QAM	12	7	18.83	18.87	18.90	20.00
5	64QAM	12	13	18.83	18.82	18.75	20.00
5	64QAM	25	0	18.78	18.78	18.93	20.00
5	256QAM	1	0	16.71	16.88	16.88	18.00
5	256QAM	1	12	16.77	16.85	16.81	18.00
5	256QAM	1	24	16.66	16.93	16.97	18.00
5	256QAM	12	0	16.76	16.83	16.83	18.00
5	256QAM	12	7	16.79	16.95	16.96	18.00
5	256QAM	12	13	16.82	16.87	16.87	18.00
5	256QAM	25	0	16.71	16.79	16.86	18.00

【LTE Band 7_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	13.01	13.04	13.02	13.90
20	QPSK	1	49	12.94	13.00	12.89	13.90
20	QPSK	1	99	12.98	12.93	12.96	13.90
20	QPSK	50	0	12.93	13.02	13.00	13.90
20	QPSK	50	24	12.91	12.93	12.92	13.90
20	QPSK	50	50	12.92	12.92	12.99	13.90
20	QPSK	100	0	12.95	12.91	12.98	13.90
20	16QAM	1	0	12.99	12.94	12.98	13.90
20	16QAM	1	49	12.93	12.92	12.94	13.90
20	16QAM	1	99	12.99	12.93	12.93	13.90
20	16QAM	50	0	12.94	12.99	12.95	13.90
20	16QAM	50	24	12.94	12.99	12.91	13.90
20	16QAM	50	50	12.90	13.00	12.91	13.90
20	16QAM	100	0	12.98	12.97	12.96	13.90
20	64QAM	1	0	12.93	12.98	12.93	13.90
20	64QAM	1	49	13.00	12.89	13.01	13.90
20	64QAM	1	99	12.95	12.91	13.00	13.90
20	64QAM	50	0	12.97	12.90	12.92	13.90
20	64QAM	50	24	12.93	13.00	12.93	13.90
20	64QAM	50	50	12.90	12.92	12.97	13.90
20	64QAM	100	0	12.90	13.00	12.94	13.90
20	256QAM	1	0	12.99	12.97	12.95	13.90
20	256QAM	1	49	12.97	12.92	12.91	13.90
20	256QAM	1	99	12.97	12.93	12.94	13.90
20	256QAM	50	0	12.91	12.94	12.92	13.90
20	256QAM	50	24	12.94	13.00	12.89	13.90
20	256QAM	50	50	12.98	12.93	12.96	13.90
20	256QAM	100	0	12.93	12.94	13.00	13.90
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	12.91	12.98	12.94	13.90
15	QPSK	1	37	12.80	12.89	12.80	13.90
15	QPSK	1	74	12.93	12.82	12.85	13.90
15	QPSK	36	0	12.90	12.98	12.89	13.90
15	QPSK	36	20	12.82	12.90	12.88	13.90
15	QPSK	36	39	12.88	12.87	12.87	13.90
15	QPSK	75	0	12.87	12.85	12.85	13.90
15	16QAM	1	0	12.89	12.82	12.96	13.90
15	16QAM	1	37	12.78	12.88	12.82	13.90
15	16QAM	1	74	12.91	12.81	12.91	13.90
15	16QAM	36	0	12.83	12.88	12.92	13.90
15	16QAM	36	20	12.82	12.86	12.78	13.90
15	16QAM	36	39	12.85	12.94	12.83	13.90
15	16QAM	75	0	12.91	12.94	12.85	13.90
15	64QAM	1	0	12.86	12.85	12.82	13.90
15	64QAM	1	37	12.89	12.77	12.96	13.90



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15	64QAM	1	74	12.89	12.83	12.98	13.90
15	64QAM	36	0	12.83	12.77	12.87	13.90
15	64QAM	36	20	12.89	12.87	12.84	13.90
15	64QAM	36	39	12.76	12.90	12.88	13.90
15	64QAM	75	0	12.82	12.93	12.81	13.90
15	256QAM	1	0	12.94	12.83	12.91	13.90
15	256QAM	1	37	12.83	12.82	12.81	13.90
15	256QAM	1	74	12.92	12.84	12.93	13.90
15	256QAM	36	0	12.80	12.93	12.82	13.90
15	256QAM	36	20	12.82	12.86	12.82	13.90
15	256QAM	36	39	12.95	12.90	12.94	13.90
15	256QAM	75	0	12.87	12.90	12.95	13.90
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	12.91	13.02	12.96	13.90
10	QPSK	1	25	12.90	12.85	12.83	13.90
10	QPSK	1	49	12.95	12.88	12.92	13.90
10	QPSK	25	0	12.81	12.99	12.95	13.90
10	QPSK	25	12	12.77	12.84	12.91	13.90
10	QPSK	25	25	12.87	12.85	12.89	13.90
10	QPSK	50	0	12.92	12.87	12.86	13.90
10	16QAM	1	0	12.92	12.90	12.95	13.90
10	16QAM	1	25	12.91	12.87	12.84	13.90
10	16QAM	1	49	12.90	12.85	12.91	13.90
10	16QAM	25	0	12.80	12.93	12.90	13.90
10	16QAM	25	12	12.90	12.92	12.86	13.90
10	16QAM	25	25	12.85	12.87	12.79	13.90
10	16QAM	50	0	12.87	12.94	12.84	13.90
10	64QAM	1	0	12.80	12.84	12.86	13.90
10	64QAM	1	25	12.93	12.77	12.88	13.90
10	64QAM	1	49	12.86	12.87	12.97	13.90
10	64QAM	25	0	12.94	12.80	12.91	13.90
10	64QAM	25	12	12.92	12.89	12.86	13.90
10	64QAM	25	25	12.79	12.78	12.84	13.90
10	64QAM	50	0	12.78	12.98	12.87	13.90
10	256QAM	1	0	12.89	12.88	12.91	13.90
10	256QAM	1	25	12.88	12.87	12.81	13.90
10	256QAM	1	49	12.89	12.80	12.90	13.90
10	256QAM	25	0	12.89	12.81	12.89	13.90
10	256QAM	25	12	12.86	12.89	12.77	13.90
10	256QAM	25	25	12.86	12.90	12.89	13.90
10	256QAM	50	0	12.90	12.84	12.91	13.90
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	12.89	12.99	12.90	13.90
5	QPSK	1	12	12.87	12.94	12.83	13.90
5	QPSK	1	24	12.96	12.91	12.90	13.90
5	QPSK	12	0	12.85	12.91	12.88	13.90
5	QPSK	12	7	12.86	12.91	12.90	13.90
5	QPSK	12	13	12.88	12.81	12.88	13.90
5	QPSK	25	0	12.91	12.86	12.92	13.90
5	16QAM	1	0	12.91	12.81	12.92	13.90
5	16QAM	1	12	12.87	12.78	12.80	13.90
5	16QAM	1	24	12.84	12.91	12.80	13.90
5	16QAM	12	0	12.83	12.95	12.85	13.90
5	16QAM	12	7	12.82	12.96	12.83	13.90
5	16QAM	12	13	12.76	12.97	12.77	13.90
5	16QAM	25	0	12.91	12.87	12.90	13.90
5	64QAM	1	0	12.83	12.90	12.90	13.90
5	64QAM	1	12	12.98	12.75	12.97	13.90
5	64QAM	1	24	12.93	12.89	12.95	13.90
5	64QAM	12	0	12.90	12.87	12.79	13.90
5	64QAM	12	7	12.88	12.98	12.79	13.90
5	64QAM	12	13	12.85	12.84	12.85	13.90
5	64QAM	25	0	12.85	12.98	12.91	13.90
5	256QAM	1	0	12.93	12.85	12.86	13.90
5	256QAM	1	12	12.95	12.81	12.78	13.90
5	256QAM	1	24	12.85	12.78	12.80	13.90
5	256QAM	12	0	12.78	12.82	12.85	13.90
5	256QAM	12	7	12.82	12.90	12.78	13.90
5	256QAM	12	13	12.85	12.79	12.95	13.90
5	256QAM	25	0	12.85	12.81	12.90	13.90

**【LTE Band 7_Ant 4_DSI 7】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.99	18.08	18.02	19.70
20	QPSK	1	49	17.75	17.83	17.73	19.70
20	QPSK	1	99	17.86	18.00	17.90	19.70
20	QPSK	50	0	17.74	17.94	17.81	19.70
20	QPSK	50	24	17.71	17.93	17.74	19.70
20	QPSK	50	50	17.81	17.94	17.84	19.70
20	QPSK	100	0	17.96	18.07	17.95	19.70
20	16QAM	1	0	17.85	18.05	17.91	19.70
20	16QAM	1	49	17.95	18.05	17.97	19.70
20	16QAM	1	99	17.73	17.82	17.70	19.70
20	16QAM	50	0	17.88	17.98	17.90	19.70
20	16QAM	50	24	17.88	18.02	17.84	19.70
20	16QAM	50	50	17.76	17.75	17.74	19.70
20	16QAM	100	0	17.73	17.72	17.72	19.70
20	64QAM	1	0	17.81	17.97	17.89	19.70
20	64QAM	1	49	17.80	17.95	17.78	19.70
20	64QAM	1	99	17.73	17.71	17.74	19.70
20	64QAM	50	0	17.72	17.86	17.76	19.70
20	64QAM	50	24	17.76	17.73	17.72	19.70
20	64QAM	50	50	17.75	17.72	17.71	19.70
20	64QAM	100	0	17.83	17.97	17.81	19.70
20	256QAM	1	0	16.54	16.73	16.60	18.40
20	256QAM	1	49	16.69	16.89	16.80	18.40
20	256QAM	1	99	16.62	16.77	16.65	18.40
20	256QAM	50	0	16.77	16.93	16.83	18.40
20	256QAM	50	24	16.62	16.76	16.60	18.40
20	256QAM	50	50	16.60	16.83	16.69	18.40
20	256QAM	100	0	16.67	16.80	16.67	18.40
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.86	18.05	17.88	19.70
15	QPSK	1	37	17.70	17.78	17.71	19.70
15	QPSK	1	74	17.84	17.87	17.89	19.70
15	QPSK	36	0	17.71	17.86	17.71	19.70
15	QPSK	36	20	17.71	17.84	17.70	19.70
15	QPSK	36	39	17.77	17.91	17.81	19.70
15	QPSK	75	0	17.85	18.05	17.90	19.70
15	16QAM	1	0	17.71	18.02	17.77	19.70
15	16QAM	1	37	17.85	18.04	17.93	19.70
15	16QAM	1	74	17.71	17.70	17.71	19.70
15	16QAM	36	0	17.81	17.86	17.77	19.70
15	16QAM	36	20	17.80	17.95	17.71	19.70
15	16QAM	36	39	17.70	17.70	17.70	19.70
15	16QAM	75	0	17.70	17.70	17.70	19.70
15	64QAM	1	0	17.74	17.96	17.84	19.70
15	64QAM	1	37	17.76	17.81	17.72	19.70
15	64QAM	1	74	17.71	17.72	17.70	19.70
15	64QAM	36	0	17.71	17.73	17.72	19.70
15	64QAM	36	20	17.71	17.71	17.70	19.70
15	64QAM	36	39	17.72	17.70	17.70	19.70
15	64QAM	75	0	17.78	17.84	17.74	19.70
15	256QAM	1	0	16.50	16.69	16.46	18.40
15	256QAM	1	37	16.60	16.81	16.74	18.40
15	256QAM	1	74	16.51	16.74	16.61	18.40
15	256QAM	36	0	16.71	16.90	16.78	18.40
15	256QAM	36	20	16.56	16.72	16.50	18.40
15	256QAM	36	39	16.52	16.69	16.62	18.40
15	256QAM	75	0	16.58	16.65	16.55	18.40
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	17.91	18.07	17.99	19.70
10	QPSK	1	25	17.70	17.71	17.71	19.70
10	QPSK	1	49	17.75	17.88	17.89	19.70
10	QPSK	25	0	17.72	17.86	17.79	19.70
10	QPSK	25	12	17.70	17.84	17.71	19.70
10	QPSK	25	25	17.71	17.85	17.71	19.70
10	QPSK	50	0	17.85	18.02	17.92	19.70
10	16QAM	1	0	17.79	17.98	17.82	19.70
10	16QAM	1	25	17.81	17.96	17.89	19.70
10	16QAM	1	49	17.71	17.78	17.70	19.70



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10	16QAM	25	0	17.77	17.93	17.86	19.70
10	16QAM	25	12	17.76	17.90	17.74	19.70
10	16QAM	25	25	17.71	17.70	17.71	19.70
10	16QAM	50	0	17.72	17.71	17.70	19.70
10	64QAM	1	0	17.74	17.83	17.78	19.70
10	64QAM	1	25	17.70	17.90	17.70	19.70
10	64QAM	1	49	17.70	17.70	17.70	19.70
10	64QAM	25	0	17.71	17.83	17.70	19.70
10	64QAM	25	12	17.70	17.70	17.70	19.70
10	64QAM	25	25	17.71	17.71	17.70	19.70
10	64QAM	50	0	17.70	17.95	17.75	19.70
10	256QAM	1	0	16.50	16.69	16.52	18.40
10	256QAM	1	25	16.64	16.74	16.73	18.40
10	256QAM	1	49	16.49	16.72	16.51	18.40
10	256QAM	25	0	16.69	16.89	16.79	18.40
10	256QAM	25	12	16.50	16.64	16.48	18.40
10	256QAM	25	25	16.56	16.69	16.62	18.40
10	256QAM	50	0	16.58	16.73	16.54	18.40
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	17.91	17.97	17.96	19.70
5	QPSK	1	12	17.70	17.81	17.70	19.70
5	QPSK	1	24	17.77	17.99	17.78	19.70
5	QPSK	12	0	17.70	17.86	17.73	19.70
5	QPSK	12	7	17.71	17.88	17.70	19.70
5	QPSK	12	13	17.72	17.91	17.73	19.70
5	QPSK	25	0	17.90	17.94	17.88	19.70
5	16QAM	1	0	17.77	18.00	17.85	19.70
5	16QAM	1	12	17.84	17.98	17.90	19.70
5	16QAM	1	24	17.71	17.79	17.70	19.70
5	16QAM	12	0	17.85	17.93	17.80	19.70
5	16QAM	12	7	17.78	17.95	17.81	19.70
5	16QAM	12	13	17.71	17.72	17.70	19.70
5	16QAM	25	0	17.70	17.71	17.70	19.70
5	64QAM	1	0	17.73	17.83	17.85	19.70
5	64QAM	1	12	17.70	17.87	17.70	19.70
5	64QAM	1	24	17.71	17.70	17.70	19.70
5	64QAM	12	0	17.71	17.78	17.70	19.70
5	64QAM	12	7	17.74	17.71	17.70	19.70
5	64QAM	12	13	17.74	17.70	17.71	19.70
5	64QAM	25	0	17.71	17.90	17.73	19.70
5	256QAM	1	0	16.48	16.66	16.45	18.40
5	256QAM	1	12	16.65	16.87	16.77	18.40
5	256QAM	1	24	16.51	16.68	16.63	18.40
5	256QAM	12	0	16.65	16.81	16.79	18.40
5	256QAM	12	7	16.49	16.68	16.49	18.40
5	256QAM	12	13	16.48	16.82	16.65	18.40
5	256QAM	25	0	16.56	16.70	16.63	18.40

【LTE Band 7_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	21.86	21.95	21.92	23.00
20	QPSK	1	49	21.45	21.69	21.53	23.00
20	QPSK	1	99	21.60	21.71	21.54	23.00
20	QPSK	50	0	20.92	20.98	20.96	22.00
20	QPSK	50	24	20.55	20.75	20.63	22.00
20	QPSK	50	50	20.59	20.74	20.60	22.00
20	QPSK	100	0	20.78	20.94	20.85	22.00
20	16QAM	1	0	20.73	20.90	20.82	22.00
20	16QAM	1	49	20.55	20.75	20.59	22.00
20	16QAM	1	99	20.73	20.87	20.77	22.00
20	16QAM	50	0	19.80	19.92	19.77	21.00
20	16QAM	50	24	19.71	19.90	19.78	21.00
20	16QAM	50	50	19.69	19.87	19.76	21.00
20	16QAM	100	0	19.65	19.82	19.72	21.00
20	64QAM	1	0	19.70	19.92	19.86	21.00
20	64QAM	1	49	19.60	19.76	19.62	21.00
20	64QAM	1	99	19.63	19.85	19.72	21.00
20	64QAM	50	0	18.66	18.82	18.71	20.00
20	64QAM	50	24	18.55	18.77	18.63	20.00



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20	64QAM	50	50	18.78	18.95	18.79	20.00
20	64QAM	100	0	18.71	18.85	18.71	20.00
20	256QAM	1	0	16.57	16.73	16.67	18.00
20	256QAM	1	49	16.72	16.89	16.78	18.00
20	256QAM	1	99	16.56	16.77	16.68	18.00
20	256QAM	50	0	16.77	16.93	16.87	18.00
20	256QAM	50	24	16.68	16.76	16.68	18.00
20	256QAM	50	50	16.71	16.83	16.77	18.00
20	256QAM	100	0	16.68	16.80	16.68	18.00
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.74	21.90	21.91	23.00
15	QPSK	1	37	21.40	21.57	21.40	23.00
15	QPSK	1	74	21.52	21.58	21.48	23.00
15	QPSK	36	0	20.85	20.87	20.82	22.00
15	QPSK	36	20	20.46	20.63	20.51	22.00
15	QPSK	36	39	20.51	20.71	20.52	22.00
15	QPSK	75	0	20.68	20.84	20.73	22.00
15	16QAM	1	0	20.66	20.88	20.69	22.00
15	16QAM	1	37	20.49	20.68	20.55	22.00
15	16QAM	1	74	20.70	20.80	20.71	22.00
15	16QAM	36	0	19.71	19.89	19.73	21.00
15	16QAM	36	20	19.58	19.78	19.67	21.00
15	16QAM	36	39	19.65	19.84	19.70	21.00
15	16QAM	75	0	19.61	19.68	19.68	21.00
15	64QAM	1	0	19.60	19.81	19.74	21.00
15	64QAM	1	37	19.48	19.63	19.57	21.00
15	64QAM	1	74	19.53	19.76	19.59	21.00
15	64QAM	36	0	18.60	18.74	18.68	20.00
15	64QAM	36	20	18.46	18.73	18.53	20.00
15	64QAM	36	39	18.76	18.93	18.77	20.00
15	64QAM	75	0	18.65	18.75	18.68	20.00
15	256QAM	1	0	16.51	16.69	16.58	18.00
15	256QAM	1	37	16.59	16.77	16.64	18.00
15	256QAM	1	74	16.45	16.65	16.66	18.00
15	256QAM	36	0	16.73	16.80	16.77	18.00
15	256QAM	36	20	16.55	16.65	16.58	18.00
15	256QAM	36	39	16.68	16.78	16.76	18.00
15	256QAM	75	0	16.64	16.65	16.65	18.00
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.73	21.84	21.90	23.00
10	QPSK	1	25	21.44	21.62	21.40	23.00
10	QPSK	1	49	21.58	21.65	21.41	23.00
10	QPSK	25	0	20.82	20.97	20.82	22.00
10	QPSK	25	12	20.46	20.63	20.48	22.00
10	QPSK	25	25	20.46	20.72	20.57	22.00
10	QPSK	50	0	20.72	20.86	20.71	22.00
10	16QAM	1	0	20.60	20.87	20.73	22.00
10	16QAM	1	25	20.42	20.68	20.55	22.00
10	16QAM	1	49	20.69	20.83	20.74	22.00
10	16QAM	25	0	19.68	19.91	19.66	21.00
10	16QAM	25	12	19.60	19.80	19.68	21.00
10	16QAM	25	25	19.63	19.80	19.62	21.00
10	16QAM	50	0	19.50	19.76	19.59	21.00
10	64QAM	1	0	19.67	19.77	19.74	21.00
10	64QAM	1	25	19.50	19.69	19.56	21.00
10	64QAM	1	49	19.59	19.73	19.58	21.00
10	64QAM	25	0	18.65	18.71	18.59	20.00
10	64QAM	25	12	18.44	18.74	18.53	20.00
10	64QAM	25	25	18.68	18.90	18.74	20.00
10	64QAM	50	0	18.57	18.82	18.57	20.00
10	256QAM	1	0	16.50	16.63	16.57	18.00
10	256QAM	1	25	16.59	16.86	16.64	18.00
10	256QAM	1	49	16.51	16.68	16.55	18.00
10	256QAM	25	0	16.64	16.80	16.75	18.00
10	256QAM	25	12	16.65	16.63	16.63	18.00
10	256QAM	25	25	16.66	16.70	16.67	18.00
10	256QAM	50	0	16.66	16.78	16.55	18.00
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.82	21.80	21.80	23.00
5	QPSK	1	12	21.37	21.59	21.44	23.00
5	QPSK	1	24	21.50	21.63	21.39	23.00
5	QPSK	12	0	20.85	20.96	20.93	22.00
5	QPSK	12	7	20.50	20.66	20.61	22.00
5	QPSK	12	13	20.45	20.62	20.51	22.00
5	QPSK	25	0	20.71	20.84	20.71	22.00



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5	16QAM	1	0	20.70	20.85	20.76	22.00
5	16QAM	1	12	20.44	20.60	20.55	22.00
5	16QAM	1	24	20.69	20.79	20.69	22.00
5	16QAM	12	0	19.70	19.86	19.72	21.00
5	16QAM	12	7	19.62	19.84	19.66	21.00
5	16QAM	12	13	19.56	19.72	19.68	21.00
5	16QAM	25	0	19.60	19.68	19.70	21.00
5	64QAM	1	0	19.65	19.78	19.75	21.00
5	64QAM	1	12	19.49	19.70	19.47	21.00
5	64QAM	1	24	19.54	19.78	19.64	21.00
5	64QAM	12	0	18.64	18.73	18.65	20.00
5	64QAM	12	7	18.50	18.65	18.60	20.00
5	64QAM	12	13	18.75	18.88	18.64	20.00
5	64QAM	25	0	18.58	18.80	18.67	20.00
5	256QAM	1	0	16.44	16.70	16.54	18.00
5	256QAM	1	12	16.61	16.86	16.72	18.00
5	256QAM	1	24	16.54	16.73	16.61	18.00
5	256QAM	12	0	16.75	16.79	16.77	18.00
5	256QAM	12	7	16.66	16.70	16.63	18.00
5	256QAM	12	13	16.62	16.69	16.74	18.00
5	256QAM	25	0	16.64	16.70	16.57	18.00

【LTE Band 25_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.04	23.36	23.23	24.00
20	QPSK	1	49	23.00	23.08	23.01	24.00
20	QPSK	1	99	23.00	23.03	23.00	24.00
20	QPSK	50	0	22.00	22.33	22.19	23.00
20	QPSK	50	24	22.00	22.12	22.00	23.00
20	QPSK	50	50	22.00	22.20	22.04	23.00
20	QPSK	100	0	22.02	22.08	22.01	23.00
20	16QAM	1	0	22.00	22.21	22.03	23.00
20	16QAM	1	49	22.01	22.26	22.07	23.00
20	16QAM	1	99	22.00	22.29	22.14	23.00
20	16QAM	50	0	21.00	21.16	21.00	22.00
20	16QAM	50	24	21.00	21.18	21.00	22.00
20	16QAM	50	50	21.00	21.17	21.00	22.00
20	16QAM	100	0	21.00	21.27	21.13	22.00
20	64QAM	1	0	21.00	21.21	21.07	22.00
20	64QAM	1	49	21.00	21.27	21.10	22.00
20	64QAM	1	99	21.00	21.20	21.03	22.00
20	64QAM	50	0	20.00	20.28	20.13	21.00
20	64QAM	50	24	20.01	20.17	20.00	21.00
20	64QAM	50	50	20.02	20.16	20.00	21.00
20	64QAM	100	0	20.00	20.13	20.02	21.00
20	256QAM	1	0	18.00	18.19	18.06	19.00
20	256QAM	1	49	18.01	18.17	18.00	19.00
20	256QAM	1	99	18.01	18.24	18.11	19.00
20	256QAM	50	0	18.00	18.06	18.00	19.00
20	256QAM	50	24	18.01	18.21	18.01	19.00
20	256QAM	50	50	18.01	18.12	18.01	19.00
20	256QAM	100	0	18.00	18.14	18.00	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.00	23.27	23.17	24.00
15	QPSK	1	37	23.00	23.00	23.00	24.00
15	QPSK	1	74	23.02	23.02	23.02	24.00
15	QPSK	36	0	22.00	22.28	22.16	23.00
15	QPSK	36	20	22.02	22.01	22.00	23.00
15	QPSK	36	39	22.00	22.10	22.01	23.00
15	QPSK	75	0	22.00	22.01	22.00	23.00
15	16QAM	1	0	22.00	22.15	22.00	23.00
15	16QAM	1	37	22.00	22.19	22.01	23.00
15	16QAM	1	74	22.00	22.24	22.13	23.00
15	16QAM	36	0	21.00	21.11	21.01	22.00
15	16QAM	36	20	21.01	21.13	21.01	22.00
15	16QAM	36	39	21.01	21.14	21.01	22.00
15	16QAM	75	0	21.01	21.25	21.02	22.00
15	64QAM	1	0	21.00	21.16	21.06	22.00
15	64QAM	1	37	21.00	21.13	21.08	22.00



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15	64QAM	1	74	21.01	21.18	21.01	22.00
15	64QAM	36	0	20.00	20.17	20.00	21.00
15	64QAM	36	20	20.01	20.11	20.01	21.00
15	64QAM	36	39	20.00	20.02	20.00	21.00
15	64QAM	75	0	20.01	20.11	20.00	21.00
15	256QAM	1	0	18.00	18.17	18.00	19.00
15	256QAM	1	37	18.01	18.16	18.01	19.00
15	256QAM	1	74	18.02	18.20	18.00	19.00
15	256QAM	36	0	18.00	18.01	18.00	19.00
15	256QAM	36	20	18.00	18.18	18.00	19.00
15	256QAM	36	39	18.00	18.04	18.00	19.00
15	256QAM	75	0	18.00	18.10	18.01	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.01	23.33	23.15	24.00
10	QPSK	1	25	23.00	23.05	23.00	24.00
10	QPSK	1	49	23.02	23.00	23.01	24.00
10	QPSK	25	0	22.00	22.19	22.16	23.00
10	QPSK	25	12	22.01	22.04	22.00	23.00
10	QPSK	25	25	22.01	22.07	22.02	23.00
10	QPSK	50	0	22.00	22.01	22.01	23.00
10	16QAM	1	0	22.00	22.12	22.00	23.00
10	16QAM	1	25	22.00	22.17	22.00	23.00
10	16QAM	1	49	22.00	22.15	22.10	23.00
10	16QAM	25	0	21.01	21.15	21.00	22.00
10	16QAM	25	12	21.02	21.09	21.02	22.00
10	16QAM	25	25	21.00	21.08	21.00	22.00
10	16QAM	50	0	21.00	21.18	21.11	22.00
10	64QAM	1	0	21.00	21.18	21.05	22.00
10	64QAM	1	25	21.00	21.18	21.04	22.00
10	64QAM	1	49	21.01	21.13	21.01	22.00
10	64QAM	25	0	20.02	20.19	20.01	21.00
10	64QAM	25	12	20.01	20.04	20.01	21.00
10	64QAM	25	25	20.01	20.14	20.00	21.00
10	64QAM	50	0	20.00	20.05	20.00	21.00
10	256QAM	1	0	18.00	18.13	18.00	19.00
10	256QAM	1	25	18.01	18.05	18.02	19.00
10	256QAM	1	49	18.00	18.21	18.01	19.00
10	256QAM	25	0	18.00	18.01	18.00	19.00
10	256QAM	25	12	18.02	18.14	18.01	19.00
10	256QAM	25	25	18.00	18.09	18.00	19.00
10	256QAM	50	0	18.01	18.12	18.00	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.02	23.28	23.09	24.00
5	QPSK	1	12	23.00	23.06	23.00	24.00
5	QPSK	1	24	23.00	23.02	23.01	24.00
5	QPSK	12	0	22.01	22.28	22.07	23.00
5	QPSK	12	7	22.00	22.05	22.01	23.00
5	QPSK	12	13	22.01	22.10	22.00	23.00
5	QPSK	25	0	22.01	22.00	22.01	23.00
5	16QAM	1	0	22.00	22.20	22.02	23.00
5	16QAM	1	12	22.01	22.22	22.06	23.00
5	16QAM	1	24	22.00	22.15	22.01	23.00
5	16QAM	12	0	21.00	21.14	21.02	22.00
5	16QAM	12	7	21.00	21.05	21.00	22.00
5	16QAM	12	13	21.00	21.10	21.01	22.00
5	16QAM	25	0	21.01	21.14	21.04	22.00
5	64QAM	1	0	21.00	21.08	21.01	22.00
5	64QAM	1	12	21.00	21.21	21.07	22.00
5	64QAM	1	24	21.00	21.10	21.02	22.00
5	64QAM	12	0	20.00	20.18	20.00	21.00
5	64QAM	12	7	20.00	20.05	20.00	21.00
5	64QAM	12	13	20.00	20.07	20.00	21.00
5	64QAM	25	0	20.00	20.01	20.01	21.00
5	256QAM	1	0	18.01	18.05	18.01	19.00
5	256QAM	1	12	18.00	18.12	18.01	19.00
5	256QAM	1	24	18.00	18.15	18.05	19.00
5	256QAM	12	0	18.01	18.01	18.00	19.00
5	256QAM	12	7	18.01	18.13	18.02	19.00
5	256QAM	12	13	18.00	18.09	18.00	19.00
5	256QAM	25	0	18.00	18.01	18.01	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.00	23.34	23.12	24.00
3	QPSK	1	8	23.00	23.06	23.00	24.00
3	QPSK	1	14	23.00	23.00	23.00	24.00
3	QPSK	8	0	22.00	22.20	22.13	23.00



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3	QPSK	8	4	22.01	22.11	22.00	23.00
3	QPSK	8	7	22.00	22.07	22.00	23.00
3	QPSK	15	0	22.00	22.03	22.00	23.00
3	16QAM	1	0	22.00	22.08	22.00	23.00
3	16QAM	1	8	22.02	22.23	22.00	23.00
3	16QAM	1	14	22.01	22.16	22.10	23.00
3	16QAM	8	0	21.00	21.12	21.00	22.00
3	16QAM	8	4	21.01	21.08	21.01	22.00
3	16QAM	8	7	21.00	21.15	21.01	22.00
3	16QAM	15	0	21.00	21.14	21.01	22.00
3	64QAM	1	0	21.01	21.10	21.00	22.00
3	64QAM	1	8	21.00	21.14	21.07	22.00
3	64QAM	1	14	21.00	21.08	21.02	22.00
3	64QAM	8	0	20.01	20.27	20.10	21.00
3	64QAM	8	4	20.00	20.07	20.00	21.00
3	64QAM	8	7	20.01	20.04	20.01	21.00
3	64QAM	15	0	20.00	20.04	20.00	21.00
3	256QAM	1	0	18.00	18.09	18.00	19.00
3	256QAM	1	8	18.00	18.06	18.00	19.00
3	256QAM	1	14	18.00	18.21	18.08	19.00
3	256QAM	8	0	18.01	18.02	18.00	19.00
3	256QAM	8	4	18.00	18.17	18.00	19.00
3	256QAM	8	7	18.00	18.07	18.01	19.00
3	256QAM	15	0	18.02	18.12	18.00	19.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.01	23.30	23.18	24.00
1.4	QPSK	1	3	23.00	23.02	23.00	24.00
1.4	QPSK	1	5	23.00	23.00	23.00	24.00
1.4	QPSK	3	0	23.00	23.28	23.05	24.00
1.4	QPSK	3	1	23.00	23.06	23.02	24.00
1.4	QPSK	3	3	23.00	23.06	23.01	24.00
1.4	QPSK	6	0	22.00	22.01	22.01	23.00
1.4	16QAM	1	0	22.01	22.19	22.00	23.00
1.4	16QAM	1	3	22.02	22.16	22.02	23.00
1.4	16QAM	1	5	22.00	22.22	22.10	23.00
1.4	16QAM	3	0	22.02	22.03	22.01	23.00
1.4	16QAM	3	1	22.00	22.16	22.01	23.00
1.4	16QAM	3	3	22.01	22.08	22.00	23.00
1.4	16QAM	6	0	21.00	21.21	21.02	22.00
1.4	64QAM	1	0	21.01	21.13	21.02	22.00
1.4	64QAM	1	3	21.00	21.24	21.06	22.00
1.4	64QAM	1	5	21.00	21.07	21.00	22.00
1.4	64QAM	3	0	21.01	21.26	21.12	22.00
1.4	64QAM	3	1	21.00	21.03	21.02	22.00
1.4	64QAM	3	3	21.01	21.04	21.01	22.00
1.4	64QAM	6	0	20.01	20.03	20.00	21.00
1.4	256QAM	1	0	18.01	18.11	18.01	19.00
1.4	256QAM	1	3	18.00	18.10	18.01	19.00
1.4	256QAM	1	5	18.00	18.18	18.09	19.00
1.4	256QAM	3	0	18.01	18.00	18.00	19.00
1.4	256QAM	3	1	18.00	18.10	18.02	19.00
1.4	256QAM	3	3	18.00	18.08	18.00	19.00
1.4	256QAM	6	0	18.00	18.01	18.00	19.00

【LTE Band 25_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.67	20.75	20.69	22.00
20	QPSK	1	49	20.28	20.43	20.33	22.00
20	QPSK	1	99	20.43	20.64	20.44	22.00
20	QPSK	50	0	20.58	20.62	20.54	22.00
20	QPSK	50	24	20.39	20.49	20.32	22.00
20	QPSK	50	50	20.41	20.55	20.45	22.00
20	QPSK	100	0	20.52	20.53	20.51	22.00
20	16QAM	1	0	20.44	20.56	20.37	22.00
20	16QAM	1	49	20.25	20.45	20.30	22.00
20	16QAM	1	99	20.49	20.65	20.51	22.00
20	16QAM	50	0	20.42	20.58	20.44	22.00
20	16QAM	50	24	20.34	20.49	20.33	22.00
20	16QAM	50	50	20.40	20.58	20.46	22.00



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20	16QAM	100	0	20.46	20.64	20.48	22.00
20	64QAM	1	0	20.29	20.45	20.31	22.00
20	64QAM	1	49	20.41	20.64	20.47	22.00
20	64QAM	1	99	20.40	20.55	20.45	22.00
20	64QAM	50	0	20.00	20.01	20.13	21.00
20	64QAM	50	24	20.01	20.03	20.00	21.00
20	64QAM	50	50	20.02	20.13	20.00	21.00
20	64QAM	100	0	20.00	20.14	20.02	21.00
20	256QAM	1	0	18.00	18.08	18.06	19.00
20	256QAM	1	49	18.01	17.96	18.00	19.00
20	256QAM	1	99	18.01	18.09	18.11	19.00
20	256QAM	50	0	18.00	18.09	18.00	19.00
20	256QAM	50	24	18.01	18.08	18.01	19.00
20	256QAM	50	50	18.01	18.10	18.01	19.00
20	256QAM	100	0	18.00	18.16	18.00	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.62	20.73	20.58	22.00
15	QPSK	1	37	20.24	20.37	20.31	22.00
15	QPSK	1	74	20.35	20.60	20.43	22.00
15	QPSK	36	0	20.44	20.51	20.49	22.00
15	QPSK	36	20	20.28	20.34	20.24	22.00
15	QPSK	36	39	20.29	20.48	20.33	22.00
15	QPSK	75	0	20.41	20.43	20.43	22.00
15	16QAM	1	0	20.32	20.49	20.34	22.00
15	16QAM	1	37	20.15	20.33	20.29	22.00
15	16QAM	1	74	20.37	20.61	20.47	22.00
15	16QAM	36	0	20.32	20.50	20.29	22.00
15	16QAM	36	20	20.29	20.37	20.30	22.00
15	16QAM	36	39	20.38	20.48	20.33	22.00
15	16QAM	75	0	20.34	20.56	20.34	22.00
15	64QAM	1	0	20.24	20.34	20.29	22.00
15	64QAM	1	37	20.32	20.54	20.40	22.00
15	64QAM	1	74	20.33	20.52	20.38	22.00
15	64QAM	36	0	20.00	20.17	20.00	21.00
15	64QAM	36	20	20.01	20.11	20.01	21.00
15	64QAM	36	39	20.00	20.02	20.00	21.00
15	64QAM	75	0	20.01	20.11	20.00	21.00
15	256QAM	1	0	18.00	18.17	18.00	19.00
15	256QAM	1	37	18.01	18.16	18.01	19.00
15	256QAM	1	74	18.02	18.20	18.00	19.00
15	256QAM	36	0	18.00	18.01	18.00	19.00
15	256QAM	36	20	18.00	18.18	18.00	19.00
15	256QAM	36	39	18.00	18.04	18.00	19.00
15	256QAM	75	0	18.00	18.10	18.01	19.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.60	20.62	20.63	22.00
10	QPSK	1	25	20.24	20.38	20.21	22.00
10	QPSK	1	49	20.36	20.57	20.36	22.00
10	QPSK	25	0	20.50	20.49	20.43	22.00
10	QPSK	25	12	20.37	20.34	20.20	22.00
10	QPSK	25	25	20.38	20.44	20.32	22.00
10	QPSK	50	0	20.41	20.45	20.48	22.00
10	16QAM	1	0	20.34	20.54	20.30	22.00
10	16QAM	1	25	20.24	20.40	20.23	22.00
10	16QAM	1	49	20.44	20.58	20.38	22.00
10	16QAM	25	0	20.34	20.50	20.42	22.00
10	16QAM	25	12	20.21	20.42	20.31	22.00
10	16QAM	25	25	20.29	20.45	20.34	22.00
10	16QAM	50	0	20.32	20.50	20.39	22.00
10	64QAM	1	0	20.26	20.40	20.22	22.00
10	64QAM	1	25	20.38	20.49	20.46	22.00
10	64QAM	1	49	20.34	20.41	20.33	22.00
10	64QAM	25	0	19.87	19.94	20.01	21.00
10	64QAM	25	12	19.94	19.90	19.97	21.00
10	64QAM	25	25	19.97	20.11	19.92	21.00
10	64QAM	50	0	19.88	20.01	20.01	21.00
10	256QAM	1	0	17.87	17.99	18.00	19.00
10	256QAM	1	25	17.96	17.84	17.85	19.00
10	256QAM	1	49	17.87	18.02	18.01	19.00
10	256QAM	25	0	17.91	18.00	17.88	19.00
10	256QAM	25	12	17.99	17.93	17.88	19.00
10	256QAM	25	25	17.95	18.02	17.97	19.00
10	256QAM	50	0	17.88	18.04	17.92	19.00
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.58	20.70	20.57	22.00



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5	QPSK	1	12	20.18	20.34	20.26	22.00
5	QPSK	1	24	20.37	20.61	20.33	22.00
5	QPSK	12	0	20.56	20.58	20.49	22.00
5	QPSK	12	7	20.26	20.40	20.20	22.00
5	QPSK	12	13	20.28	20.50	20.35	22.00
5	QPSK	25	0	20.44	20.42	20.45	22.00
5	16QAM	1	0	20.35	20.50	20.25	22.00
5	16QAM	1	12	20.12	20.41	20.28	22.00
5	16QAM	1	24	20.44	20.51	20.38	22.00
5	16QAM	12	0	20.37	20.50	20.30	22.00
5	16QAM	12	7	20.21	20.41	20.25	22.00
5	16QAM	12	13	20.38	20.45	20.41	22.00
5	16QAM	25	0	20.33	20.57	20.34	22.00
5	64QAM	1	0	20.18	20.43	20.27	22.00
5	64QAM	1	12	20.27	20.58	20.36	22.00
5	64QAM	1	24	20.32	20.49	20.39	22.00
5	64QAM	12	0	19.87	19.97	20.06	21.00
5	64QAM	12	7	19.88	19.93	19.97	21.00
5	64QAM	12	13	19.99	20.02	19.97	21.00
5	64QAM	25	0	19.85	20.05	20.01	21.00
5	256QAM	1	0	17.87	18.04	18.00	19.00
5	256QAM	1	12	17.95	17.86	17.98	19.00
5	256QAM	1	24	17.89	18.01	18.08	19.00
5	256QAM	12	0	17.90	18.05	17.97	19.00
5	256QAM	12	7	17.95	18.00	17.92	19.00
5	256QAM	12	13	18.00	18.00	17.92	19.00
5	256QAM	25	0	17.88	18.10	17.93	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	20.61	20.72	20.57	22.00
3	QPSK	1	8	20.14	20.32	20.24	22.00
3	QPSK	1	14	20.38	20.51	20.31	22.00
3	QPSK	8	0	20.54	20.54	20.40	22.00
3	QPSK	8	4	20.25	20.37	20.24	22.00
3	QPSK	8	7	20.39	20.49	20.33	22.00
3	QPSK	15	0	20.38	20.45	20.45	22.00
3	16QAM	1	0	20.32	20.44	20.31	22.00
3	16QAM	1	8	20.19	20.42	20.21	22.00
3	16QAM	1	14	20.41	20.52	20.42	22.00
3	16QAM	8	0	20.39	20.48	20.35	22.00
3	16QAM	8	4	20.25	20.34	20.26	22.00
3	16QAM	8	7	20.28	20.53	20.43	22.00
3	16QAM	15	0	20.37	20.54	20.35	22.00
3	64QAM	1	0	20.26	20.44	20.25	22.00
3	64QAM	1	8	20.30	20.50	20.46	22.00
3	64QAM	1	14	20.33	20.51	20.33	22.00
3	64QAM	8	0	19.95	19.92	20.10	21.00
3	64QAM	8	4	19.89	19.93	19.88	21.00
3	64QAM	8	7	19.94	20.09	19.88	21.00
3	64QAM	15	0	19.89	20.07	19.90	21.00
3	256QAM	1	0	17.92	17.97	18.05	19.00
3	256QAM	1	8	17.87	17.95	17.95	19.00
3	256QAM	1	14	17.90	17.99	18.01	19.00
3	256QAM	8	0	17.97	18.01	17.87	19.00
3	256QAM	8	4	17.90	18.04	17.94	19.00
3	256QAM	8	7	17.93	18.03	17.87	19.00
3	256QAM	15	0	17.85	18.05	17.91	19.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	20.54	20.71	20.57	22.00
1.4	QPSK	1	3	20.13	20.30	20.30	22.00
1.4	QPSK	1	5	20.37	20.51	20.37	22.00
1.4	QPSK	3	0	20.47	20.57	20.47	22.00
1.4	QPSK	3	1	20.35	20.37	20.25	22.00
1.4	QPSK	3	3	20.32	20.46	20.44	22.00
1.4	QPSK	6	0	20.46	20.48	20.46	22.00
1.4	16QAM	1	0	20.43	20.53	20.35	22.00
1.4	16QAM	1	3	20.19	20.41	20.25	22.00
1.4	16QAM	1	5	20.43	20.51	20.38	22.00
1.4	16QAM	3	0	20.29	20.44	20.38	22.00
1.4	16QAM	3	1	20.31	20.47	20.25	22.00
1.4	16QAM	3	3	20.35	20.48	20.43	22.00
1.4	16QAM	6	0	20.32	20.54	20.36	22.00
1.4	64QAM	1	0	20.26	20.32	20.24	22.00
1.4	64QAM	1	3	20.38	20.57	20.34	22.00
1.4	64QAM	1	5	20.30	20.50	20.31	22.00
1.4	64QAM	3	0	20.37	20.37	20.55	21.00
1.4	64QAM	3	1	20.40	20.40	20.48	21.00



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1.4	64QAM	3	3	20.45	20.60	20.47	21.00
1.4	64QAM	6	0	19.90	20.12	19.95	21.00
1.4	256QAM	1	0	17.89	18.00	18.04	19.00
1.4	256QAM	1	3	17.95	17.92	17.91	19.00
1.4	256QAM	1	5	17.99	17.99	18.02	19.00
1.4	256QAM	3	0	17.93	18.05	17.99	19.00
1.4	256QAM	3	1	17.98	17.99	17.88	19.00
1.4	256QAM	3	3	17.99	18.05	17.92	19.00
1.4	256QAM	6	0	17.95	18.09	17.98	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.95	17.99	17.91	19.80
20	QPSK	1	49	17.80	17.86	17.80	19.80
20	QPSK	1	99	17.82	17.84	17.80	19.80
20	QPSK	50	0	17.81	17.95	17.80	19.80
20	QPSK	50	24	17.80	17.88	17.81	19.80
20	QPSK	50	50	17.80	17.86	17.80	19.80
20	QPSK	100	0	17.84	17.89	17.80	19.80
20	16QAM	1	0	17.81	17.91	17.82	19.80
20	16QAM	1	49	17.80	17.85	17.80	19.80
20	16QAM	1	99	17.85	17.90	17.81	19.80
20	16QAM	50	0	17.80	17.85	17.80	19.80
20	16QAM	50	24	17.81	17.82	17.81	19.80
20	16QAM	50	50	17.80	17.81	17.80	19.80
20	16QAM	100	0	17.80	17.86	17.81	19.80
20	64QAM	1	0	17.82	17.85	17.81	19.80
20	64QAM	1	49	17.81	17.89	17.80	19.80
20	64QAM	1	99	17.80	17.81	17.80	19.80
20	64QAM	50	0	17.81	17.88	17.81	19.80
20	64QAM	50	24	17.81	17.82	17.81	19.80
20	64QAM	50	50	17.81	17.83	17.80	19.80
20	64QAM	100	0	17.82	17.81	17.81	19.80
20	256QAM	1	0	17.77	17.85	17.75	19.00
20	256QAM	1	49	17.59	17.75	17.54	19.00
20	256QAM	1	99	17.55	17.73	17.60	19.00
20	256QAM	50	0	17.69	17.75	17.54	19.00
20	256QAM	50	24	17.73	17.88	17.71	19.00
20	256QAM	50	50	17.63	17.78	17.56	19.00
20	256QAM	100	0	17.68	17.82	17.64	19.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.83	17.88	17.80	19.80
15	QPSK	1	37	17.80	17.81	17.80	19.80
15	QPSK	1	74	17.82	17.82	17.80	19.80
15	QPSK	36	0	17.81	17.86	17.80	19.80
15	QPSK	36	20	17.80	17.81	17.81	19.80
15	QPSK	36	39	17.80	17.83	17.80	19.80
15	QPSK	75	0	17.82	17.80	17.81	19.80
15	16QAM	1	0	17.82	17.80	17.81	19.80
15	16QAM	1	37	17.80	17.80	17.80	19.80
15	16QAM	1	74	17.80	17.87	17.81	19.80
15	16QAM	36	0	17.80	17.82	17.81	19.80
15	16QAM	36	20	17.80	17.80	17.81	19.80
15	16QAM	36	39	17.80	17.81	17.80	19.80
15	16QAM	75	0	17.80	17.80	17.81	19.80
15	64QAM	1	0	17.80	17.81	17.80	19.80
15	64QAM	1	37	17.80	17.84	17.80	19.80
15	64QAM	1	74	17.80	17.81	17.80	19.80
15	64QAM	36	0	17.80	17.82	17.81	19.80
15	64QAM	36	20	17.80	17.81	17.80	19.80
15	64QAM	36	39	17.81	17.80	17.80	19.80
15	64QAM	75	0	17.81	17.80	17.80	19.80
15	256QAM	1	0	17.76	17.75	17.67	19.00
15	256QAM	1	37	17.50	17.74	17.51	19.00
15	256QAM	1	74	17.52	17.69	17.54	19.00
15	256QAM	36	0	17.54	17.60	17.44	19.00
15	256QAM	36	20	17.71	17.75	17.67	19.00
15	256QAM	36	39	17.59	17.64	17.48	19.00
15	256QAM	75	0	17.59	17.72	17.58	19.00



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Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	17.83	17.98	17.82	19.80
10	QPSK	1	25	17.82	17.81	17.82	19.80
10	QPSK	1	49	17.80	17.80	17.80	19.80
10	QPSK	25	0	17.80	17.90	17.80	19.80
10	QPSK	25	12	17.80	17.82	17.81	19.80
10	QPSK	25	25	17.81	17.80	17.81	19.80
10	QPSK	50	0	17.82	17.82	17.80	19.80
10	16QAM	1	0	17.81	17.85	17.80	19.80
10	16QAM	1	25	17.80	17.80	17.80	19.80
10	16QAM	1	49	17.81	17.83	17.80	19.80
10	16QAM	25	0	17.80	17.80	17.80	19.80
10	16QAM	25	12	17.80	17.80	17.80	19.80
10	16QAM	25	25	17.80	17.80	17.80	19.80
10	16QAM	50	0	17.81	17.81	17.80	19.80
10	64QAM	1	0	17.81	17.82	17.81	19.80
10	64QAM	1	25	17.80	17.83	17.80	19.80
10	64QAM	1	49	17.81	17.80	17.80	19.80
10	64QAM	25	0	17.82	17.87	17.82	19.80
10	64QAM	25	12	17.81	17.81	17.80	19.80
10	64QAM	25	25	17.80	17.82	17.80	19.80
10	64QAM	50	0	17.80	17.81	17.82	19.80
10	256QAM	1	0	17.70	17.83	17.67	19.00
10	256QAM	1	25	17.51	17.64	17.42	19.00
10	256QAM	1	49	17.52	17.61	17.48	19.00
10	256QAM	25	0	17.67	17.63	17.43	19.00
10	256QAM	25	12	17.67	17.79	17.58	19.00
10	256QAM	25	25	17.56	17.73	17.52	19.00
10	256QAM	50	0	17.59	17.73	17.53	19.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.94	17.89	17.86	19.80
5	QPSK	1	12	17.81	17.84	17.81	19.80
5	QPSK	1	24	17.81	17.80	17.80	19.80
5	QPSK	12	0	17.81	17.89	17.82	19.80
5	QPSK	12	7	17.80	17.84	17.80	19.80
5	QPSK	12	13	17.82	17.84	17.80	19.80
5	QPSK	25	0	17.80	17.84	17.80	19.80
5	16QAM	1	0	17.82	17.87	17.80	19.80
5	16QAM	1	12	17.80	17.82	17.81	19.80
5	16QAM	1	24	17.82	17.82	17.82	19.80
5	16QAM	12	0	17.80	17.83	17.81	19.80
5	16QAM	12	7	17.80	17.80	17.80	19.80
5	16QAM	12	13	17.81	17.81	17.80	19.80
5	16QAM	25	0	17.81	17.83	17.80	19.80
5	64QAM	1	0	17.80	17.80	17.80	19.80
5	64QAM	1	12	17.82	17.81	17.80	19.80
5	64QAM	1	24	17.81	17.81	17.81	19.80
5	64QAM	12	0	17.80	17.81	17.80	19.80
5	64QAM	12	7	17.82	17.81	17.80	19.80
5	64QAM	12	13	17.81	17.81	17.80	19.80
5	64QAM	25	0	17.81	17.81	17.81	19.80
5	256QAM	1	0	17.67	17.73	17.63	19.00
5	256QAM	1	12	17.48	17.73	17.45	19.00
5	256QAM	1	24	17.46	17.63	17.50	19.00
5	256QAM	12	0	17.60	17.68	17.49	19.00
5	256QAM	12	7	17.70	17.84	17.59	19.00
5	256QAM	12	13	17.52	17.66	17.52	19.00
5	256QAM	25	0	17.61	17.68	17.57	19.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.84	17.90	17.84	19.80
3	QPSK	1	8	17.80	17.80	17.80	19.80
3	QPSK	1	14	17.81	17.83	17.82	19.80
3	QPSK	8	0	17.80	17.90	17.80	19.80
3	QPSK	8	4	17.80	17.87	17.82	19.80
3	QPSK	8	7	17.80	17.83	17.80	19.80
3	QPSK	15	0	17.80	17.80	17.80	19.80
3	16QAM	1	0	17.81	17.88	17.81	19.80
3	16QAM	1	8	17.80	17.82	17.81	19.80
3	16QAM	1	14	17.80	17.88	17.80	19.80
3	16QAM	8	0	17.81	17.82	17.80	19.80
3	16QAM	8	4	17.82	17.81	17.82	19.80
3	16QAM	8	7	17.81	17.80	17.80	19.80
3	16QAM	15	0	17.82	17.81	17.81	19.80
3	64QAM	1	0	17.81	17.82	17.81	19.80
3	64QAM	1	8	17.80	17.81	17.80	19.80



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3	64QAM	1	14	17.80	17.80	17.80	19.80
3	64QAM	8	0	17.80	17.81	17.80	19.80
3	64QAM	8	4	17.80	17.80	17.80	19.80
3	64QAM	8	7	17.82	17.80	17.80	19.80
3	64QAM	15	0	17.81	17.82	17.80	19.80
3	256QAM	1	0	17.63	17.83	17.66	19.00
3	256QAM	1	8	17.51	17.63	17.42	19.00
3	256QAM	1	14	17.50	17.63	17.46	19.00
3	256QAM	8	0	17.59	17.63	17.50	19.00
3	256QAM	8	4	17.65	17.77	17.68	19.00
3	256QAM	8	7	17.50	17.74	17.48	19.00
3	256QAM	15	0	17.57	17.77	17.55	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.91	17.90	17.83	19.80
1.4	QPSK	1	3	17.80	17.81	17.82	19.80
1.4	QPSK	1	5	17.80	17.81	17.80	19.80
1.4	QPSK	3	0	17.80	17.85	17.80	19.80
1.4	QPSK	3	1	17.80	17.85	17.80	19.80
1.4	QPSK	3	3	17.80	17.81	17.80	19.80
1.4	QPSK	6	0	17.82	17.82	17.80	19.80
1.4	16QAM	1	0	17.80	17.80	17.82	19.80
1.4	16QAM	1	3	17.80	17.80	17.80	19.80
1.4	16QAM	1	5	17.81	17.81	17.82	19.80
1.4	16QAM	3	0	17.80	17.81	17.80	19.80
1.4	16QAM	3	1	17.81	17.80	17.80	19.80
1.4	16QAM	3	3	17.81	17.81	17.80	19.80
1.4	16QAM	6	0	17.81	17.81	17.80	19.80
1.4	64QAM	1	0	17.81	17.80	17.80	19.80
1.4	64QAM	1	3	17.80	17.84	17.80	19.80
1.4	64QAM	1	5	17.80	17.82	17.80	19.80
1.4	64QAM	3	0	17.81	17.84	17.80	19.80
1.4	64QAM	3	1	17.80	17.81	17.81	19.80
1.4	64QAM	3	3	17.81	17.80	17.80	19.80
1.4	64QAM	6	0	17.80	17.81	17.80	19.80
1.4	256QAM	1	0	17.76	17.78	17.64	19.00
1.4	256QAM	1	3	17.48	17.67	17.41	19.00
1.4	256QAM	1	5	17.54	17.61	17.49	19.00
1.4	256QAM	3	0	17.57	17.74	17.46	19.00
1.4	256QAM	3	1	17.64	17.73	17.58	19.00
1.4	256QAM	3	3	17.52	17.74	17.55	19.00
1.4	256QAM	6	0	17.62	17.73	17.56	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				26140	26340	26590	26140	26340	26590
Frequency (MHz)				1860	1880	1905	1860	1880	1905
20	QPSK	1	0	22.04	22.16	22.10	24.00	24.00	24.00
20	QPSK	1	49	22.01	22.04	22.01	24.00	24.00	24.00
20	QPSK	1	99	22.01	22.03	22.03	24.00	24.00	24.00
20	QPSK	50	0	21.87	21.94	21.87	23.00	23.00	23.00
20	QPSK	50	24	21.76	21.87	21.80	23.00	23.00	23.00
20	QPSK	50	50	21.71	21.86	21.84	23.00	23.00	23.00
20	QPSK	100	0	21.95	21.99	21.89	23.00	23.00	23.00
20	16QAM	1	0	21.74	21.82	21.78	23.00	24.00	23.00
20	16QAM	1	49	21.82	21.96	21.78	23.00	23.00	23.00
20	16QAM	1	99	21.92	21.96	21.82	23.00	23.00	23.00
20	16QAM	50	0	20.68	20.77	20.73	22.00	22.00	22.00
20	16QAM	50	24	20.64	20.77	20.75	22.00	22.00	22.00
20	16QAM	50	50	20.77	20.95	20.86	22.00	22.00	22.00
20	16QAM	100	0	20.72	20.84	20.73	22.00	22.00	22.00
20	64QAM	1	0	20.61	20.74	20.62	22.00	22.00	22.00
20	64QAM	1	49	20.65	20.80	20.66	22.00	22.00	22.00
20	64QAM	1	99	20.65	20.79	20.69	22.00	22.00	22.00
20	64QAM	50	0	20.27	20.42	20.27	21.00	21.00	21.00
20	64QAM	50	24	20.12	20.26	20.16	21.00	21.00	21.00
20	64QAM	50	50	20.21	20.38	20.29	21.00	21.00	21.00
20	64QAM	100	0	20.27	20.42	20.33	21.00	21.00	21.00
20	256QAM	1	0	18.09	18.27	18.25	19.00	19.00	19.00
20	256QAM	1	49	18.18	18.34	18.25	19.00	19.00	19.00
20	256QAM	1	99	18.18	18.35	18.31	19.00	19.00	19.00



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20	256QAM	50	0	18.06	18.24	18.17	19.00	19.00	19.00
20	256QAM	50	24	18.08	18.26	18.23	19.00	19.00	19.00
20	256QAM	50	50	18.20	18.29	18.24	19.00	19.00	19.00
20	256QAM	100	0	18.28	18.46	18.33	19.00	19.00	19.00
Channel				26115	26340	26615	26115	26340	26615
Frequency (MHz)				1857.5	1880	1907.5	1857.5	1880	1907.5
15	QPSK	1	0	22.00	22.15	22.04	24.00	24.00	24.00
15	QPSK	1	37	22.01	22.00	22.02	24.00	24.00	24.00
15	QPSK	1	74	22.00	22.01	22.00	24.00	24.00	24.00
15	QPSK	36	0	21.80	21.87	21.73	23.00	23.00	23.00
15	QPSK	36	20	21.72	21.80	21.75	23.00	23.00	23.00
15	QPSK	36	39	21.66	21.80	21.75	23.00	23.00	23.00
15	QPSK	75	0	21.86	21.89	21.78	23.00	23.00	23.00
15	16QAM	1	0	21.64	21.71	21.71	23.00	24.00	23.00
15	16QAM	1	37	21.70	21.85	21.68	23.00	23.00	23.00
15	16QAM	1	74	21.88	21.81	21.73	23.00	23.00	23.00
15	16QAM	36	0	20.63	20.65	20.67	22.00	22.00	22.00
15	16QAM	36	20	20.51	20.65	20.68	22.00	22.00	22.00
15	16QAM	36	39	20.75	20.83	20.78	22.00	22.00	22.00
15	16QAM	75	0	20.65	20.75	20.59	22.00	22.00	22.00
15	64QAM	1	0	20.47	20.65	20.52	22.00	22.00	22.00
15	64QAM	1	37	20.55	20.69	20.61	22.00	22.00	22.00
15	64QAM	1	74	20.57	20.68	20.62	22.00	22.00	22.00
15	64QAM	36	0	20.25	20.28	20.20	21.00	21.00	21.00
15	64QAM	36	20	19.98	20.21	20.14	21.00	21.00	21.00
15	64QAM	36	39	20.07	20.24	20.24	21.00	21.00	21.00
15	64QAM	75	0	20.21	20.34	20.26	21.00	21.00	21.00
15	256QAM	1	0	17.98	18.24	18.20	19.00	19.00	19.00
15	256QAM	1	37	18.09	18.25	18.16	19.00	19.00	19.00
15	256QAM	1	74	18.04	18.23	18.27	19.00	19.00	19.00
15	256QAM	36	0	17.97	18.21	18.10	19.00	19.00	19.00
15	256QAM	36	20	18.01	18.20	18.15	19.00	19.00	19.00
15	256QAM	36	39	18.16	18.26	18.13	19.00	19.00	19.00
15	256QAM	75	0	18.17	18.32	18.24	19.00	19.00	19.00
Channel				26090	26340	26640	26090	26340	26640
Frequency (MHz)				1855	1880	1910	1855	1880	1910
10	QPSK	1	0	22.02	22.14	22.08	24.00	24.00	24.00
10	QPSK	1	25	22.01	22.02	22.02	24.00	24.00	24.00
10	QPSK	1	49	22.00	22.01	22.00	24.00	24.00	24.00
10	QPSK	25	0	21.82	21.92	21.79	23.00	23.00	23.00
10	QPSK	25	12	21.64	21.74	21.68	23.00	23.00	23.00
10	QPSK	25	25	21.68	21.71	21.71	23.00	23.00	23.00
10	QPSK	50	0	21.88	21.85	21.86	23.00	23.00	23.00
10	16QAM	1	0	21.65	21.71	21.64	23.00	24.00	23.00
10	16QAM	1	25	21.80	21.94	21.76	23.00	23.00	23.00
10	16QAM	1	49	21.80	21.82	21.68	23.00	23.00	23.00
10	16QAM	25	0	20.66	20.70	20.63	22.00	22.00	22.00
10	16QAM	25	12	20.57	20.75	20.72	22.00	22.00	22.00
10	16QAM	25	25	20.62	20.91	20.73	22.00	22.00	22.00
10	16QAM	50	0	20.65	20.82	20.64	22.00	22.00	22.00
10	64QAM	1	0	20.46	20.63	20.54	22.00	22.00	22.00
10	64QAM	1	25	20.53	20.75	20.63	22.00	22.00	22.00
10	64QAM	1	49	20.60	20.70	20.65	22.00	22.00	22.00
10	64QAM	25	0	20.21	20.29	20.17	21.00	21.00	21.00
10	64QAM	25	12	19.97	20.13	20.14	21.00	21.00	21.00
10	64QAM	25	25	20.15	20.29	20.22	21.00	21.00	21.00
10	64QAM	50	0	20.25	20.39	20.23	21.00	21.00	21.00
10	256QAM	1	0	18.06	18.22	18.12	19.00	19.00	19.00
10	256QAM	1	25	18.17	18.24	18.10	19.00	19.00	19.00
10	256QAM	1	49	18.08	18.23	18.20	19.00	19.00	19.00
10	256QAM	25	0	17.98	18.19	18.15	19.00	19.00	19.00
10	256QAM	25	12	18.01	18.20	18.19	19.00	19.00	19.00
10	256QAM	25	25	18.13	18.19	18.15	19.00	19.00	19.00
10	256QAM	50	0	18.16	18.36	18.26	19.00	19.00	19.00
Channel				26065	26340	26665	26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5	1852.5	1880	1912.5
5	QPSK	1	0	22.00	22.01	22.08	24.00	24.00	24.00
5	QPSK	1	12	22.00	22.00	22.00	24.00	24.00	24.00
5	QPSK	1	24	22.02	22.00	22.01	24.00	24.00	24.00
5	QPSK	12	0	21.76	21.92	21.83	23.00	23.00	23.00
5	QPSK	12	7	21.74	21.85	21.79	23.00	23.00	23.00
5	QPSK	12	13	21.66	21.82	21.69	23.00	23.00	23.00
5	QPSK	25	0	21.92	21.87	21.85	23.00	23.00	23.00
5	16QAM	1	0	21.68	21.72	21.68	23.00	24.00	23.00
5	16QAM	1	12	21.76	21.87	21.73	23.00	23.00	23.00
5	16QAM	1	24	21.78	21.89	21.77	23.00	23.00	23.00
5	16QAM	12	0	20.54	20.66	20.70	22.00	22.00	22.00
5	16QAM	12	7	20.59	20.68	20.62	22.00	22.00	22.00



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5	16QAM	12	13	20.73	20.91	20.75	22.00	22.00	22.00
5	16QAM	25	0	20.62	20.75	20.67	22.00	22.00	22.00
5	64QAM	1	0	20.51	20.60	20.52	22.00	22.00	22.00
5	64QAM	1	12	20.56	20.68	20.61	22.00	22.00	22.00
5	64QAM	1	24	20.61	20.74	20.62	22.00	22.00	22.00
5	64QAM	12	0	20.22	20.38	20.16	21.00	21.00	21.00
5	64QAM	12	7	20.11	20.19	20.06	21.00	21.00	21.00
5	64QAM	12	13	20.11	20.31	20.22	21.00	21.00	21.00
5	64QAM	25	0	20.22	20.37	20.19	21.00	21.00	21.00
5	256QAM	1	0	17.98	18.20	18.17	19.00	19.00	19.00
5	256QAM	1	12	18.14	18.32	18.10	19.00	19.00	19.00
5	256QAM	1	24	18.03	18.27	18.28	19.00	19.00	19.00
5	256QAM	12	0	17.97	18.09	18.10	19.00	19.00	19.00
5	256QAM	12	7	18.03	18.19	18.21	19.00	19.00	19.00
5	256QAM	12	13	18.14	18.18	18.12	19.00	19.00	19.00
5	256QAM	25	0	18.26	18.38	18.21	19.00	19.00	19.00
Channel				26055	26340	26675	26055	26340	26675
Frequency (MHz)				1851.5	1880	1913.5	1851.5	1880	1913.5
3	QPSK	1	0	22.01	22.12	22.05	24.00	24.00	24.00
3	QPSK	1	8	22.01	22.00	22.02	24.00	24.00	24.00
3	QPSK	1	14	22.00	22.01	22.00	24.00	24.00	24.00
3	QPSK	8	0	21.79	21.89	21.80	23.00	23.00	23.00
3	QPSK	8	4	21.72	21.79	21.70	23.00	23.00	23.00
3	QPSK	8	7	21.60	21.78	21.82	23.00	23.00	23.00
3	QPSK	15	0	21.80	21.92	21.85	23.00	23.00	23.00
3	16QAM	1	0	21.71	21.68	21.70	23.00	24.00	23.00
3	16QAM	1	8	21.77	21.84	21.70	23.00	23.00	23.00
3	16QAM	1	14	21.88	21.81	21.78	23.00	23.00	23.00
3	16QAM	8	0	20.55	20.74	20.70	22.00	22.00	22.00
3	16QAM	8	4	20.57	20.66	20.66	22.00	22.00	22.00
3	16QAM	8	7	20.74	20.83	20.84	22.00	22.00	22.00
3	16QAM	15	0	20.62	20.81	20.69	22.00	22.00	22.00
3	64QAM	1	0	20.56	20.64	20.57	22.00	22.00	22.00
3	64QAM	1	8	20.61	20.73	20.60	22.00	22.00	22.00
3	64QAM	1	14	20.62	20.67	20.64	22.00	22.00	22.00
3	64QAM	8	0	20.21	20.31	20.20	21.00	21.00	21.00
3	64QAM	8	4	20.00	20.19	20.06	21.00	21.00	21.00
3	64QAM	8	7	20.11	20.36	20.20	21.00	21.00	21.00
3	64QAM	15	0	20.24	20.41	20.20	21.00	21.00	21.00
3	256QAM	1	0	17.98	18.25	18.13	19.00	19.00	19.00
3	256QAM	1	8	18.03	18.20	18.14	19.00	19.00	19.00
3	256QAM	1	14	18.05	18.27	18.24	19.00	19.00	19.00
3	256QAM	8	0	17.99	18.18	18.12	19.00	19.00	19.00
3	256QAM	8	4	18.04	18.19	18.09	19.00	19.00	19.00
3	256QAM	8	7	18.17	18.27	18.11	19.00	19.00	19.00
3	256QAM	15	0	18.15	18.38	18.25	19.00	19.00	19.00
Channel				26047	26340	26683	26047	26340	26683
Frequency (MHz)				1850.7	1880	1914.3	1850.7	1880	1914.3
1.4	QPSK	1	0	22.01	22.01	22.00	24.00	24.00	24.00
1.4	QPSK	1	3	22.00	22.00	22.00	24.00	24.00	24.00
1.4	QPSK	1	5	22.01	22.00	22.01	24.00	24.00	24.00
1.4	QPSK	3	0	22.00	22.02	22.00	24.00	24.00	24.00
1.4	QPSK	3	1	22.01	22.02	22.01	24.00	24.00	24.00
1.4	QPSK	3	3	22.01	22.00	22.01	24.00	24.00	24.00
1.4	QPSK	6	0	22.01	22.01	22.00	24.00	24.00	24.00
1.4	16QAM	1	0	22.00	22.02	22.01	24.00	24.00	24.00
1.4	16QAM	1	3	22.00	22.01	22.00	24.00	24.00	24.00
1.4	16QAM	1	5	22.00	22.01	22.01	24.00	24.00	24.00
1.4	16QAM	3	0	22.00	22.00	22.02	24.00	24.00	24.00
1.4	16QAM	3	1	22.00	22.01	22.01	24.00	24.00	24.00
1.4	16QAM	3	3	22.02	22.00	22.01	24.00	24.00	24.00
1.4	16QAM	6	0	20.67	20.78	20.59	22.00	22.00	22.00
1.4	64QAM	1	0	20.55	20.66	20.57	22.00	22.00	22.00
1.4	64QAM	1	3	20.57	20.74	20.59	22.00	22.00	22.00
1.4	64QAM	1	5	20.61	20.75	20.54	22.00	22.00	22.00
1.4	64QAM	3	0	20.18	20.30	20.16	22.00	22.00	22.00
1.4	64QAM	3	1	20.03	20.25	20.10	22.00	22.00	22.00
1.4	64QAM	3	3	20.14	20.37	20.19	22.00	22.00	22.00
1.4	64QAM	6	0	20.15	20.38	20.30	21.00	21.00	21.00
1.4	256QAM	1	0	17.94	18.19	18.22	19.00	19.00	19.00
1.4	256QAM	1	3	18.06	18.31	18.22	19.00	19.00	19.00
1.4	256QAM	1	5	18.06	18.23	18.21	19.00	19.00	19.00
1.4	256QAM	3	0	18.01	18.09	18.05	19.00	19.00	19.00
1.4	256QAM	3	1	18.05	18.24	18.09	19.00	19.00	19.00
1.4	256QAM	3	3	18.17	18.26	18.13	19.00	19.00	19.00
1.4	256QAM	6	0	18.22	18.43	18.31	19.00	19.00	19.00

**【LTE Band 25_Ant 3_DSI 12】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	14.78	14.79	14.77	16.30
20	QPSK	1	49	14.61	14.59	14.65	16.30
20	QPSK	1	99	14.65	14.62	14.71	16.30
20	QPSK	50	0	14.75	14.76	14.74	16.30
20	QPSK	50	24	14.62	14.62	14.61	16.30
20	QPSK	50	50	14.73	14.71	14.65	16.30
20	QPSK	100	0	14.71	14.72	14.66	16.30
20	16QAM	1	0	14.74	14.61	14.65	16.30
20	16QAM	1	49	14.57	14.77	14.71	16.30
20	16QAM	1	99	14.71	14.57	14.72	16.30
20	16QAM	50	0	14.66	14.70	14.72	16.30
20	16QAM	50	24	14.74	14.74	14.70	16.30
20	16QAM	50	50	14.53	14.78	14.67	16.30
20	16QAM	100	0	14.65	14.73	14.63	16.30
20	64QAM	1	0	14.54	14.60	14.67	16.30
20	64QAM	1	49	14.66	14.67	14.70	16.30
20	64QAM	1	99	14.62	14.67	14.76	16.30
20	64QAM	50	0	14.72	14.71	14.62	16.30
20	64QAM	50	24	14.67	14.61	14.72	16.30
20	64QAM	50	50	14.66	14.70	14.72	16.30
20	64QAM	100	0	14.69	14.64	14.68	16.30
20	256QAM	1	0	14.68	14.71	14.73	16.30
20	256QAM	1	49	14.63	14.64	14.61	16.30
20	256QAM	1	99	14.68	14.66	14.62	16.30
20	256QAM	50	0	14.67	14.73	14.72	16.30
20	256QAM	50	24	14.63	14.68	14.68	16.30
20	256QAM	50	50	14.69	14.63	14.58	16.30
20	256QAM	100	0	14.55	14.71	14.69	16.30
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	14.67	14.70	14.73	16.30
15	QPSK	1	37	14.56	14.57	14.62	16.30
15	QPSK	1	74	14.57	14.50	14.57	16.30
15	QPSK	36	0	14.63	14.63	14.50	16.30
15	QPSK	36	20	14.48	14.58	14.53	16.30
15	QPSK	36	39	14.65	14.66	14.52	16.30
15	QPSK	75	0	14.61	14.70	14.62	16.30
15	16QAM	1	0	14.70	14.55	14.59	16.30
15	16QAM	1	37	14.44	14.67	14.63	16.30
15	16QAM	1	74	14.63	14.54	14.65	16.30
15	16QAM	36	0	14.52	14.65	14.61	16.30
15	16QAM	36	20	14.72	14.60	14.67	16.30
15	16QAM	36	39	14.40	14.71	14.56	16.30
15	16QAM	75	0	14.50	14.69	14.54	16.30
15	64QAM	1	0	14.43	14.48	14.64	16.30
15	64QAM	1	37	14.61	14.57	14.59	16.30
15	64QAM	1	74	14.55	14.52	14.64	16.30
15	64QAM	36	0	14.63	14.65	14.52	16.30
15	64QAM	36	20	14.59	14.52	14.71	16.30
15	64QAM	36	39	14.64	14.72	14.62	16.30
15	64QAM	75	0	14.60	14.51	14.56	16.30
15	256QAM	1	0	14.58	14.64	14.71	16.30
15	256QAM	1	37	14.50	14.56	14.49	16.30
15	256QAM	1	74	14.56	14.63	14.59	16.30
15	256QAM	36	0	14.55	14.62	14.66	16.30
15	256QAM	36	20	14.51	14.57	14.56	16.30
15	256QAM	36	39	14.58	14.52	14.47	16.30
15	256QAM	75	0	14.42	14.61	14.64	16.30
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	14.74	14.71	14.66	16.30
10	QPSK	1	25	14.58	14.50	14.58	16.30
10	QPSK	1	49	14.61	14.59	14.60	16.30
10	QPSK	25	0	14.63	14.69	14.58	16.30
10	QPSK	25	12	14.54	14.52	14.52	16.30
10	QPSK	25	25	14.70	14.63	14.54	16.30
10	QPSK	50	0	14.57	14.61	14.55	16.30
10	16QAM	1	0	14.69	14.46	14.64	16.30
10	16QAM	1	25	14.49	14.75	14.66	16.30



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10	16QAM	1	49	14.63	14.42	14.70	16.30
10	16QAM	25	0	14.54	14.57	14.64	16.30
10	16QAM	25	12	14.64	14.70	14.56	16.30
10	16QAM	25	25	14.51	14.65	14.62	16.30
10	16QAM	50	0	14.56	14.61	14.61	16.30
10	64QAM	1	0	14.46	14.45	14.56	16.30
10	64QAM	1	25	14.56	14.55	14.62	16.30
10	64QAM	1	49	14.50	14.55	14.64	16.30
10	64QAM	25	0	14.59	14.68	14.48	16.30
10	64QAM	25	12	14.64	14.58	14.64	16.30
10	64QAM	25	25	14.63	14.75	14.67	16.30
10	64QAM	50	0	14.61	14.59	14.62	16.30
10	256QAM	1	0	14.61	14.65	14.68	16.30
10	256QAM	1	25	14.58	14.60	14.60	16.30
10	256QAM	1	49	14.66	14.60	14.60	16.30
10	256QAM	25	0	14.56	14.65	14.59	16.30
10	256QAM	25	12	14.57	14.58	14.57	16.30
10	256QAM	25	25	14.56	14.57	14.44	16.30
10	256QAM	50	0	14.44	14.68	14.61	16.30
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	14.66	14.66	14.75	16.30
5	QPSK	1	12	14.46	14.52	14.62	16.30
5	QPSK	1	24	14.62	14.56	14.64	16.30
5	QPSK	12	0	14.52	14.70	14.60	16.30
5	QPSK	12	7	14.57	14.50	14.50	16.30
5	QPSK	12	13	14.66	14.61	14.60	16.30
5	QPSK	25	0	14.67	14.62	14.61	16.30
5	16QAM	1	0	14.62	14.57	14.60	16.30
5	16QAM	1	12	14.46	14.74	14.70	16.30
5	16QAM	1	24	14.58	14.49	14.68	16.30
5	16QAM	12	0	14.58	14.69	14.65	16.30
5	16QAM	12	7	14.70	14.63	14.56	16.30
5	16QAM	12	13	14.47	14.64	14.62	16.30
5	16QAM	25	0	14.53	14.63	14.55	16.30
5	64QAM	1	0	14.44	14.50	14.53	16.30
5	64QAM	1	12	14.60	14.59	14.55	16.30
5	64QAM	1	24	14.58	14.56	14.66	16.30
5	64QAM	12	0	14.66	14.71	14.60	16.30
5	64QAM	12	7	14.57	14.58	14.60	16.30
5	64QAM	12	13	14.58	14.77	14.71	16.30
5	64QAM	25	0	14.62	14.53	14.59	16.30
5	256QAM	1	0	14.63	14.65	14.67	16.30
5	256QAM	1	12	14.49	14.58	14.48	16.30
5	256QAM	1	24	14.56	14.51	14.53	16.30
5	256QAM	12	0	14.62	14.60	14.69	16.30
5	256QAM	12	7	14.50	14.61	14.55	16.30
5	256QAM	12	13	14.66	14.50	14.51	16.30
5	256QAM	25	0	14.48	14.65	14.64	16.30
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	14.68	14.70	14.75	16.30
3	QPSK	1	8	14.47	14.47	14.53	16.30
3	QPSK	1	14	14.64	14.52	14.66	16.30
3	QPSK	8	0	14.58	14.62	14.60	16.30
3	QPSK	8	4	14.47	14.53	14.56	16.30
3	QPSK	8	7	14.71	14.62	14.62	16.30
3	QPSK	15	0	14.62	14.60	14.63	16.30
3	16QAM	1	0	14.61	14.48	14.54	16.30
3	16QAM	1	8	14.46	14.63	14.64	16.30
3	16QAM	1	14	14.65	14.56	14.70	16.30
3	16QAM	8	0	14.59	14.62	14.70	16.30
3	16QAM	8	4	14.70	14.65	14.67	16.30
3	16QAM	8	7	14.50	14.72	14.60	16.30
3	16QAM	15	0	14.59	14.66	14.54	16.30
3	64QAM	1	0	14.41	14.55	14.52	16.30
3	64QAM	1	8	14.62	14.65	14.65	16.30
3	64QAM	1	14	14.54	14.59	14.73	16.30
3	64QAM	8	0	14.62	14.72	14.56	16.30
3	64QAM	8	4	14.55	14.59	14.69	16.30
3	64QAM	8	7	14.52	14.68	14.59	16.30
3	64QAM	15	0	14.58	14.57	14.61	16.30
3	256QAM	1	0	14.63	14.65	14.76	16.30
3	256QAM	1	8	14.57	14.57	14.57	16.30
3	256QAM	1	14	14.65	14.56	14.53	16.30
3	256QAM	8	0	14.62	14.70	14.60	16.30
3	256QAM	8	4	14.53	14.66	14.58	16.30
3	256QAM	8	7	14.58	14.60	14.57	16.30



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3	256QAM	15	0	14.50	14.68	14.61	16.30
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	14.73	14.64	14.73	16.30
1.4	QPSK	1	3	14.54	14.44	14.53	16.30
1.4	QPSK	1	5	14.60	14.61	14.68	16.30
1.4	QPSK	3	0	14.60	14.69	14.62	16.30
1.4	QPSK	3	1	14.50	14.52	14.47	16.30
1.4	QPSK	3	3	14.59	14.59	14.63	16.30
1.4	QPSK	6	0	14.63	14.68	14.57	16.30
1.4	16QAM	1	0	14.61	14.51	14.59	16.30
1.4	16QAM	1	3	14.44	14.64	14.67	16.30
1.4	16QAM	1	5	14.61	14.54	14.67	16.30
1.4	16QAM	3	0	14.55	14.62	14.69	16.30
1.4	16QAM	3	1	14.60	14.72	14.61	16.30
1.4	16QAM	3	3	14.42	14.75	14.65	16.30
1.4	16QAM	6	0	14.62	14.61	14.57	16.30
1.4	64QAM	1	0	14.52	14.57	14.58	16.30
1.4	64QAM	1	3	14.61	14.60	14.68	16.30
1.4	64QAM	1	5	14.58	14.59	14.63	16.30
1.4	64QAM	3	0	14.71	14.76	14.50	16.30
1.4	64QAM	3	1	14.64	14.58	14.68	16.30
1.4	64QAM	3	3	14.55	14.79	14.61	16.30
1.4	64QAM	6	0	14.64	14.62	14.53	16.30
1.4	256QAM	1	0	14.61	14.67	14.66	16.30
1.4	256QAM	1	3	14.58	14.61	14.49	16.30
1.4	256QAM	1	5	14.56	14.53	14.61	16.30
1.4	256QAM	3	0	14.53	14.62	14.58	16.30
1.4	256QAM	3	1	14.52	14.62	14.65	16.30
1.4	256QAM	3	3	14.62	14.53	14.47	16.30
1.4	256QAM	6	0	14.53	14.59	14.63	16.30

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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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.95	17.99	17.91	19.40
20	QPSK	1	49	17.77	17.85	17.68	19.40
20	QPSK	1	99	17.78	17.84	17.68	19.40
20	QPSK	50	0	17.91	17.95	17.83	19.40
20	QPSK	50	24	17.82	17.88	17.65	19.40
20	QPSK	50	50	17.70	17.75	17.61	19.40
20	QPSK	100	0	17.80	17.89	17.78	19.40
20	16QAM	1	0	17.83	17.91	17.69	19.40
20	16QAM	1	49	17.71	17.85	17.63	19.40
20	16QAM	1	99	17.79	17.90	17.71	19.40
20	16QAM	50	0	17.68	17.85	17.76	19.40
20	16QAM	50	24	17.51	17.68	17.54	19.40
20	16QAM	50	50	17.72	17.78	17.56	19.40
20	16QAM	100	0	17.71	17.86	17.76	19.40
20	64QAM	1	0	17.58	17.68	17.48	19.40
20	64QAM	1	49	17.73	17.89	17.75	19.40
20	64QAM	1	99	17.70	17.81	17.59	19.40
20	64QAM	50	0	17.67	17.74	17.55	19.40
20	64QAM	50	24	17.66	17.78	17.57	19.40
20	64QAM	50	50	17.67	17.75	17.56	19.40
20	64QAM	100	0	17.51	17.67	17.58	19.40
20	256QAM	1	0	17.77	17.85	17.70	19.30
20	256QAM	1	49	17.63	17.75	17.65	19.30
20	256QAM	1	99	17.67	17.73	17.52	19.30
20	256QAM	50	0	17.67	17.75	17.55	19.30
20	256QAM	50	24	17.76	17.88	17.77	19.30
20	256QAM	50	50	17.66	17.78	17.65	19.30
20	256QAM	100	0	17.67	17.82	17.71	19.30
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	17.92	17.86	17.87	19.40
15	QPSK	1	37	17.62	17.82	17.59	19.40
15	QPSK	1	74	17.70	17.77	17.54	19.40
15	QPSK	36	0	17.84	17.92	17.75	19.40
15	QPSK	36	20	17.79	17.75	17.59	19.40
15	QPSK	36	39	17.64	17.63	17.60	19.40



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15	QPSK	75	0	17.68	17.87	17.73	19.40
15	16QAM	1	0	17.77	17.87	17.68	19.40
15	16QAM	1	37	17.65	17.80	17.54	19.40
15	16QAM	1	74	17.72	17.86	17.67	19.40
15	16QAM	36	0	17.57	17.79	17.61	19.40
15	16QAM	36	20	17.40	17.60	17.43	19.40
15	16QAM	36	39	17.70	17.73	17.51	19.40
15	16QAM	75	0	17.68	17.78	17.67	19.40
15	64QAM	1	0	17.44	17.66	17.41	19.40
15	64QAM	1	37	17.69	17.87	17.73	19.40
15	64QAM	1	74	17.59	17.79	17.47	19.40
15	64QAM	36	0	17.57	17.69	17.52	19.40
15	64QAM	36	20	17.64	17.71	17.56	19.40
15	64QAM	36	39	17.58	17.70	17.44	19.40
15	64QAM	75	0	17.49	17.62	17.51	19.40
15	256QAM	1	0	17.73	17.70	17.61	19.30
15	256QAM	1	37	17.60	17.61	17.54	19.30
15	256QAM	1	74	17.53	17.72	17.48	19.30
15	256QAM	36	0	17.53	17.66	17.48	19.30
15	256QAM	36	20	17.67	17.84	17.62	19.30
15	256QAM	36	39	17.60	17.69	17.56	19.30
15	256QAM	75	0	17.56	17.78	17.58	19.30
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.83	17.96	17.79	19.40
10	QPSK	1	25	17.75	17.77	17.59	19.40
10	QPSK	1	49	17.65	17.73	17.61	19.40
10	QPSK	25	0	17.79	17.90	17.79	19.40
10	QPSK	25	12	17.67	17.86	17.62	19.40
10	QPSK	25	25	17.66	17.67	17.48	19.40
10	QPSK	50	0	17.74	17.82	17.64	19.40
10	16QAM	1	0	17.76	17.82	17.55	19.40
10	16QAM	1	25	17.64	17.71	17.61	19.40
10	16QAM	1	49	17.70	17.79	17.60	19.40
10	16QAM	25	0	17.53	17.79	17.62	19.40
10	16QAM	25	12	17.40	17.54	17.52	19.40
10	16QAM	25	25	17.71	17.74	17.50	19.40
10	16QAM	50	0	17.61	17.74	17.69	19.40
10	64QAM	1	0	17.57	17.53	17.41	19.40
10	64QAM	1	25	17.59	17.84	17.72	19.40
10	64QAM	1	49	17.67	17.75	17.58	19.40
10	64QAM	25	0	17.65	17.65	17.47	19.40
10	64QAM	25	12	17.65	17.71	17.54	19.40
10	64QAM	25	25	17.54	17.64	17.50	19.40
10	64QAM	50	0	17.45	17.56	17.54	19.40
10	256QAM	1	0	17.70	17.79	17.61	19.30
10	256QAM	1	25	17.53	17.67	17.53	19.30
10	256QAM	1	49	17.62	17.63	17.48	19.30
10	256QAM	25	0	17.60	17.63	17.53	19.30
10	256QAM	25	12	17.67	17.82	17.73	19.30
10	256QAM	25	25	17.55	17.66	17.59	19.30
10	256QAM	50	0	17.63	17.72	17.60	19.30
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.90	17.87	17.88	19.40
5	QPSK	1	12	17.69	17.72	17.54	19.40
5	QPSK	1	24	17.71	17.77	17.64	19.40
5	QPSK	12	0	17.89	17.89	17.69	19.40
5	QPSK	12	7	17.70	17.84	17.63	19.40
5	QPSK	12	13	17.62	17.68	17.57	19.40
5	QPSK	25	0	17.76	17.85	17.74	19.40
5	16QAM	1	0	17.81	17.79	17.61	19.40
5	16QAM	1	12	17.68	17.80	17.51	19.40
5	16QAM	1	24	17.70	17.83	17.62	19.40
5	16QAM	12	0	17.65	17.82	17.64	19.40
5	16QAM	12	7	17.48	17.63	17.45	19.40
5	16QAM	12	13	17.68	17.68	17.45	19.40
5	16QAM	25	0	17.58	17.73	17.75	19.40
5	64QAM	1	0	17.53	17.57	17.43	19.40
5	64QAM	1	12	17.61	17.78	17.63	19.40
5	64QAM	1	24	17.58	17.78	17.51	19.40
5	64QAM	12	0	17.59	17.60	17.44	19.40
5	64QAM	12	7	17.61	17.71	17.54	19.40
5	64QAM	12	13	17.59	17.65	17.51	19.40
5	64QAM	25	0	17.48	17.63	17.52	19.40
5	256QAM	1	0	17.71	17.77	17.66	19.30
5	256QAM	1	12	17.62	17.70	17.63	19.30
5	256QAM	1	24	17.62	17.61	17.40	19.30



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5	256QAM	12	0	17.54	17.64	17.49	19.30
5	256QAM	12	7	17.69	17.86	17.72	19.30
5	256QAM	12	13	17.60	17.68	17.58	19.30
5	256QAM	25	0	17.60	17.68	17.59	19.30
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.88	17.89	17.89	19.40
3	QPSK	1	8	17.71	17.79	17.62	19.40
3	QPSK	1	14	17.65	17.82	17.62	19.40
3	QPSK	8	0	17.83	17.82	17.70	19.40
3	QPSK	8	4	17.71	17.83	17.51	19.40
3	QPSK	8	7	17.61	17.72	17.54	19.40
3	QPSK	15	0	17.79	17.76	17.65	19.40
3	16QAM	1	0	17.77	17.82	17.57	19.40
3	16QAM	1	8	17.63	17.79	17.53	19.40
3	16QAM	1	14	17.65	17.81	17.66	19.40
3	16QAM	8	0	17.65	17.82	17.68	19.40
3	16QAM	8	4	17.46	17.63	17.52	19.40
3	16QAM	8	7	17.58	17.68	17.52	19.40
3	16QAM	15	0	17.61	17.81	17.72	19.40
3	64QAM	1	0	17.55	17.58	17.43	19.40
3	64QAM	1	8	17.58	17.76	17.70	19.40
3	64QAM	1	14	17.60	17.77	17.55	19.40
3	64QAM	8	0	17.62	17.62	17.53	19.40
3	64QAM	8	4	17.65	17.69	17.49	19.40
3	64QAM	8	7	17.61	17.68	17.53	19.40
3	64QAM	15	0	17.40	17.52	17.45	19.40
3	256QAM	1	0	17.67	17.84	17.65	19.30
3	256QAM	1	8	17.58	17.69	17.53	19.30
3	256QAM	1	14	17.63	17.62	17.43	19.30
3	256QAM	8	0	17.64	17.71	17.52	19.30
3	256QAM	8	4	17.68	17.77	17.72	19.30
3	256QAM	8	7	17.57	17.74	17.54	19.30
3	256QAM	15	0	17.61	17.80	17.57	19.30
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.82	17.88	17.83	19.40
1.4	QPSK	1	3	17.69	17.72	17.53	19.40
1.4	QPSK	1	5	17.75	17.69	17.53	19.40
1.4	QPSK	3	0	17.79	17.81	17.73	19.40
1.4	QPSK	3	1	17.75	17.84	17.62	19.40
1.4	QPSK	3	3	17.62	17.60	17.55	19.40
1.4	QPSK	6	0	17.72	17.83	17.73	19.40
1.4	16QAM	1	0	17.78	17.84	17.57	19.40
1.4	16QAM	1	3	17.68	17.71	17.58	19.40
1.4	16QAM	1	5	17.75	17.77	17.67	19.40
1.4	16QAM	3	0	17.55	17.72	17.66	19.40
1.4	16QAM	3	1	17.45	17.56	17.53	19.40
1.4	16QAM	3	3	17.67	17.74	17.46	19.40
1.4	16QAM	6	0	17.58	17.75	17.65	19.40
1.4	64QAM	1	0	17.49	17.56	17.41	19.40
1.4	64QAM	1	3	17.69	17.87	17.71	19.40
1.4	64QAM	1	5	17.62	17.77	17.45	19.40
1.4	64QAM	3	0	17.55	17.66	17.51	19.40
1.4	64QAM	3	1	17.59	17.63	17.43	19.40
1.4	64QAM	3	3	17.55	17.69	17.43	19.40
1.4	64QAM	6	0	17.51	17.65	17.56	19.40
1.4	256QAM	1	0	17.66	17.75	17.60	19.30
1.4	256QAM	1	3	17.55	17.65	17.54	19.30
1.4	256QAM	1	5	17.57	17.65	17.42	19.30
1.4	256QAM	3	0	17.56	17.73	17.40	19.30
1.4	256QAM	3	1	17.66	17.84	17.66	19.30
1.4	256QAM	3	3	17.59	17.63	17.57	19.30
1.4	256QAM	6	0	17.53	17.80	17.64	19.30

[LTE Band 25_Ant 3_DSI 4]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.04	23.36	23.23	24.00
20	QPSK	1	49	23.00	23.08	23.01	24.00
20	QPSK	1	99	23.00	23.03	23.00	24.00



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20	QPSK	50	0	22.00	22.33	22.19	23.00
20	QPSK	50	24	22.00	22.12	22.00	23.00
20	QPSK	50	50	22.00	22.20	22.04	23.00
20	QPSK	100	0	22.02	22.08	22.01	23.00
20	16QAM	1	0	22.00	22.21	22.03	23.00
20	16QAM	1	49	22.01	22.26	22.07	23.00
20	16QAM	1	99	22.00	22.29	22.14	23.00
20	16QAM	50	0	21.00	21.16	21.00	22.00
20	16QAM	50	24	21.00	21.18	21.00	22.00
20	16QAM	50	50	21.00	21.17	21.00	22.00
20	16QAM	100	0	21.00	21.27	21.13	22.00
20	64QAM	1	0	21.00	21.21	21.07	22.00
20	64QAM	1	49	21.00	21.27	21.10	22.00
20	64QAM	1	99	21.00	21.20	21.03	22.00
20	64QAM	50	0	20.00	20.28	20.13	21.00
20	64QAM	50	24	20.01	20.17	20.00	21.00
20	64QAM	50	50	20.02	20.16	20.00	21.00
20	64QAM	100	0	20.00	20.13	20.02	21.00
20	256QAM	1	0	18.00	18.19	18.06	19.00
20	256QAM	1	49	18.01	18.17	18.00	19.00
20	256QAM	1	99	18.01	18.24	18.11	19.00
20	256QAM	50	0	18.00	18.06	18.00	19.00
20	256QAM	50	24	18.01	18.21	18.01	19.00
20	256QAM	50	50	18.01	18.12	18.01	19.00
20	256QAM	100	0	18.00	18.14	18.00	19.00
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	23.00	23.27	23.17	24.00
15	QPSK	1	37	23.00	23.00	23.00	24.00
15	QPSK	1	74	23.02	23.02	23.02	24.00
15	QPSK	36	0	22.00	22.28	22.16	23.00
15	QPSK	36	20	22.02	22.01	22.00	23.00
15	QPSK	36	39	22.00	22.10	22.01	23.00
15	QPSK	75	0	22.00	22.01	22.00	23.00
15	16QAM	1	0	22.00	22.15	22.00	23.00
15	16QAM	1	37	22.00	22.19	22.01	23.00
15	16QAM	1	74	22.00	22.24	22.13	23.00
15	16QAM	36	0	21.00	21.11	21.01	22.00
15	16QAM	36	20	21.01	21.13	21.01	22.00
15	16QAM	36	39	21.01	21.14	21.01	22.00
15	16QAM	75	0	21.01	21.25	21.02	22.00
15	64QAM	1	0	21.00	21.16	21.06	22.00
15	64QAM	1	37	21.00	21.13	21.08	22.00
15	64QAM	1	74	21.01	21.18	21.01	22.00
15	64QAM	36	0	20.00	20.17	20.00	21.00
15	64QAM	36	20	20.01	20.11	20.01	21.00
15	64QAM	36	39	20.00	20.02	20.00	21.00
15	64QAM	75	0	20.01	20.11	20.00	21.00
15	256QAM	1	0	18.00	18.17	18.00	19.00
15	256QAM	1	37	18.01	18.16	18.01	19.00
15	256QAM	1	74	18.02	18.20	18.00	19.00
15	256QAM	36	0	18.00	18.01	18.00	19.00
15	256QAM	36	20	18.00	18.18	18.00	19.00
15	256QAM	36	39	18.00	18.04	18.00	19.00
15	256QAM	75	0	18.00	18.10	18.01	19.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.01	23.33	23.15	24.00
10	QPSK	1	25	23.00	23.05	23.00	24.00
10	QPSK	1	49	23.02	23.00	23.01	24.00
10	QPSK	25	0	22.00	22.19	22.16	23.00
10	QPSK	25	12	22.01	22.04	22.00	23.00
10	QPSK	25	25	22.01	22.07	22.02	23.00
10	QPSK	50	0	22.00	22.01	22.01	23.00
10	16QAM	1	0	22.00	22.12	22.00	23.00
10	16QAM	1	25	22.00	22.17	22.00	23.00
10	16QAM	1	49	22.00	22.15	22.10	23.00
10	16QAM	25	0	21.01	21.15	21.00	22.00
10	16QAM	25	12	21.02	21.09	21.02	22.00
10	16QAM	25	25	21.00	21.08	21.00	22.00
10	16QAM	50	0	21.00	21.18	21.11	22.00
10	64QAM	1	0	21.00	21.18	21.05	22.00
10	64QAM	1	25	21.00	21.18	21.04	22.00
10	64QAM	1	49	21.01	21.13	21.01	22.00
10	64QAM	25	0	20.02	20.19	20.01	21.00
10	64QAM	25	12	20.01	20.04	20.01	21.00
10	64QAM	25	25	20.01	20.14	20.00	21.00
10	64QAM	50	0	20.00	20.05	20.00	21.00



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10	256QAM	1	0	18.00	18.13	18.00	19.00
10	256QAM	1	25	18.01	18.05	18.02	19.00
10	256QAM	1	49	18.00	18.21	18.01	19.00
10	256QAM	25	0	18.00	18.01	18.00	19.00
10	256QAM	25	12	18.02	18.14	18.01	19.00
10	256QAM	25	25	18.00	18.09	18.00	19.00
10	256QAM	50	0	18.01	18.12	18.00	19.00
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.02	23.28	23.09	24.00
5	QPSK	1	12	23.00	23.06	23.00	24.00
5	QPSK	1	24	23.00	23.02	23.01	24.00
5	QPSK	12	0	22.01	22.28	22.07	23.00
5	QPSK	12	7	22.00	22.05	22.01	23.00
5	QPSK	12	13	22.01	22.10	22.00	23.00
5	QPSK	25	0	22.01	22.00	22.01	23.00
5	16QAM	1	0	22.00	22.20	22.02	23.00
5	16QAM	1	12	22.01	22.22	22.06	23.00
5	16QAM	1	24	22.00	22.15	22.01	23.00
5	16QAM	12	0	21.00	21.14	21.02	22.00
5	16QAM	12	7	21.00	21.05	21.00	22.00
5	16QAM	12	13	21.00	21.10	21.01	22.00
5	16QAM	25	0	21.01	21.14	21.04	22.00
5	64QAM	1	0	21.00	21.08	21.01	22.00
5	64QAM	1	12	21.00	21.21	21.07	22.00
5	64QAM	1	24	21.00	21.10	21.02	22.00
5	64QAM	12	0	20.00	20.18	20.00	21.00
5	64QAM	12	7	20.00	20.05	20.00	21.00
5	64QAM	12	13	20.00	20.07	20.00	21.00
5	64QAM	25	0	20.00	20.01	20.01	21.00
5	256QAM	1	0	18.01	18.05	18.01	19.00
5	256QAM	1	12	18.00	18.12	18.01	19.00
5	256QAM	1	24	18.00	18.15	18.05	19.00
5	256QAM	12	0	18.01	18.01	18.00	19.00
5	256QAM	12	7	18.01	18.13	18.02	19.00
5	256QAM	12	13	18.00	18.09	18.00	19.00
5	256QAM	25	0	18.00	18.01	18.01	19.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.00	23.34	23.12	24.00
3	QPSK	1	8	23.00	23.06	23.00	24.00
3	QPSK	1	14	23.00	23.00	23.00	24.00
3	QPSK	8	0	22.00	22.20	22.13	23.00
3	QPSK	8	4	22.01	22.11	22.00	23.00
3	QPSK	8	7	22.00	22.07	22.00	23.00
3	QPSK	15	0	22.00	22.03	22.00	23.00
3	16QAM	1	0	22.00	22.08	22.00	23.00
3	16QAM	1	8	22.02	22.23	22.00	23.00
3	16QAM	1	14	22.01	22.16	22.10	23.00
3	16QAM	8	0	21.00	21.12	21.00	22.00
3	16QAM	8	4	21.01	21.08	21.01	22.00
3	16QAM	8	7	21.00	21.15	21.01	22.00
3	16QAM	15	0	21.00	21.14	21.01	22.00
3	64QAM	1	0	21.01	21.10	21.00	22.00
3	64QAM	1	8	21.00	21.14	21.07	22.00
3	64QAM	1	14	21.00	21.08	21.02	22.00
3	64QAM	8	0	20.01	20.27	20.10	21.00
3	64QAM	8	4	20.00	20.07	20.00	21.00
3	64QAM	8	7	20.01	20.04	20.01	21.00
3	64QAM	15	0	20.00	20.04	20.00	21.00
3	256QAM	1	0	18.00	18.09	18.00	19.00
3	256QAM	1	8	18.00	18.06	18.00	19.00
3	256QAM	1	14	18.00	18.21	18.08	19.00
3	256QAM	8	0	18.01	18.02	18.00	19.00
3	256QAM	8	4	18.00	18.17	18.00	19.00
3	256QAM	8	7	18.00	18.07	18.01	19.00
3	256QAM	15	0	18.02	18.12	18.00	19.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.01	23.30	23.18	24.00
1.4	QPSK	1	3	23.00	23.02	23.00	24.00
1.4	QPSK	1	5	23.00	23.00	23.00	24.00
1.4	QPSK	3	0	23.00	23.28	23.05	24.00
1.4	QPSK	3	1	23.00	23.06	23.02	24.00
1.4	QPSK	3	3	23.00	23.06	23.01	24.00
1.4	QPSK	6	0	22.00	22.01	22.01	23.00
1.4	16QAM	1	0	22.01	22.19	22.00	23.00
1.4	16QAM	1	3	22.02	22.16	22.02	23.00



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1.4	16QAM	1	5	22.00	22.22	22.10	23.00
1.4	16QAM	3	0	22.02	22.03	22.01	23.00
1.4	16QAM	3	1	22.00	22.16	22.01	23.00
1.4	16QAM	3	3	22.01	22.08	22.00	23.00
1.4	16QAM	6	0	21.00	21.21	21.02	22.00
1.4	64QAM	1	0	21.01	21.13	21.02	22.00
1.4	64QAM	1	3	21.00	21.24	21.06	22.00
1.4	64QAM	1	5	21.00	21.07	21.00	22.00
1.4	64QAM	3	0	21.01	21.26	21.12	22.00
1.4	64QAM	3	1	21.00	21.03	21.02	22.00
1.4	64QAM	3	3	21.01	21.04	21.01	22.00
1.4	64QAM	6	0	20.01	20.03	20.00	21.00
1.4	256QAM	1	0	18.01	18.11	18.01	19.00
1.4	256QAM	1	3	18.00	18.10	18.01	19.00
1.4	256QAM	1	5	18.00	18.18	18.09	19.00
1.4	256QAM	3	0	18.01	18.00	18.00	19.00
1.4	256QAM	3	1	18.00	18.10	18.02	19.00
1.4	256QAM	3	3	18.00	18.08	18.00	19.00
1.4	256QAM	6	0	18.00	18.01	18.00	19.00

【LTE Band 25_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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00
20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00
20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00
20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00
15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00



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15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00
10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00
5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00
5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00
5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00



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3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00
3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00
1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00
1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00
20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00



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20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00
20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00
15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00
15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00
10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00



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5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00
5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00
5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00
3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00
3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00
1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00



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1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	18.00

【LTE Band 25_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00
20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00
20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00
20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00
15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00
15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	



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10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00
10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00
5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00
5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00
5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00
3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00



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3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00
1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00
1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	18.00

【LTE Band 25_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00
20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00
20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00



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20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00
15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00
15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00
10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00
5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00



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5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00
5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00
3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00
3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00
1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00
1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	18.00

**[LTE Band 25_Ant 4_DSI 12]**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.01	15.03	14.98	16.70
20	QPSK	1	49	14.88	14.95	14.95	16.70
20	QPSK	1	99	14.91	14.93	14.88	16.70
20	QPSK	50	0	14.97	15.01	14.98	16.70
20	QPSK	50	24	14.93	14.93	14.87	16.70
20	QPSK	50	50	14.90	14.94	14.88	16.70
20	QPSK	100	0	14.95	14.96	14.83	16.70
20	16QAM	1	0	14.89	14.94	14.85	16.70
20	16QAM	1	49	14.91	14.94	14.86	16.70
20	16QAM	1	99	14.86	14.90	14.89	16.70
20	16QAM	50	0	14.91	14.95	14.86	16.70
20	16QAM	50	24	14.97	14.90	14.86	16.70
20	16QAM	50	50	14.88	14.88	14.92	16.70
20	16QAM	100	0	14.88	14.89	14.84	16.70
20	64QAM	1	0	14.87	14.98	14.84	16.70
20	64QAM	1	49	14.96	14.93	14.87	16.70
20	64QAM	1	99	14.90	14.92	14.85	16.70
20	64QAM	50	0	14.90	14.91	14.85	16.70
20	64QAM	50	24	14.88	14.97	14.88	16.70
20	64QAM	50	50	14.95	14.93	14.92	16.70
20	64QAM	100	0	14.97	14.95	14.89	16.70
20	256QAM	1	0	14.88	14.92	14.94	16.70
20	256QAM	1	49	14.98	14.91	14.87	16.70
20	256QAM	1	99	14.90	14.94	14.90	16.70
20	256QAM	50	0	14.89	14.88	14.91	16.70
20	256QAM	50	24	14.88	14.89	14.87	16.70
20	256QAM	50	50	14.92	14.89	14.87	16.70
20	256QAM	100	0	14.90	14.90	14.84	16.70
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	14.91	15.01	14.96	16.70
15	QPSK	1	37	14.74	14.90	14.83	16.70
15	QPSK	1	74	14.90	14.81	14.83	16.70
15	QPSK	36	0	14.90	14.98	14.78	16.70
15	QPSK	36	20	14.89	14.96	14.73	16.70
15	QPSK	36	39	14.93	14.84	14.76	16.70
15	QPSK	75	0	14.86	14.82	14.71	16.70
15	16QAM	1	0	14.83	14.79	14.77	16.70
15	16QAM	1	37	14.87	14.86	14.82	16.70
15	16QAM	1	74	14.75	14.76	14.80	16.70
15	16QAM	36	0	14.77	14.84	14.72	16.70
15	16QAM	36	20	14.90	14.89	14.83	16.70
15	16QAM	36	39	14.74	14.81	14.83	16.70
15	16QAM	75	0	14.73	14.84	14.71	16.70
15	64QAM	1	0	14.81	14.93	14.80	16.70
15	64QAM	1	37	14.92	14.91	14.73	16.70
15	64QAM	1	74	14.77	14.88	14.77	16.70
15	64QAM	36	0	14.82	14.84	14.77	16.70
15	64QAM	36	20	14.80	14.94	14.76	16.70
15	64QAM	36	39	14.90	14.86	14.79	16.70
15	64QAM	75	0	14.84	14.93	14.74	16.70
15	256QAM	1	0	14.74	14.88	14.89	16.70
15	256QAM	1	37	14.87	14.78	14.76	16.70
15	256QAM	1	74	14.78	14.91	14.77	16.70
15	256QAM	36	0	14.86	14.81	14.76	16.70
15	256QAM	36	20	14.78	14.88	14.84	16.70
15	256QAM	36	39	14.90	14.86	14.74	16.70
15	256QAM	75	0	14.75	14.83	14.75	16.70
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	14.93	14.94	14.84	16.70
10	QPSK	1	25	14.79	14.80	14.82	16.70
10	QPSK	1	49	14.76	14.87	14.83	16.70
10	QPSK	25	0	14.81	14.90	14.76	16.70
10	QPSK	25	12	14.83	14.87	14.83	16.70
10	QPSK	25	25	14.90	14.81	14.82	16.70
10	QPSK	50	0	14.88	14.78	14.70	16.70
10	16QAM	1	0	14.77	14.89	14.80	16.70
10	16QAM	1	25	14.81	14.88	14.73	16.70
10	16QAM	1	49	14.82	14.77	14.81	16.70
10	16QAM	25	0	14.81	14.81	14.81	16.70
10	16QAM	25	12	14.91	14.87	14.75	16.70



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10	16QAM	25	25	14.84	14.81	14.82	16.70
10	16QAM	50	0	14.84	14.80	14.71	16.70
10	64QAM	1	0	14.74	14.96	14.72	16.70
10	64QAM	1	25	14.92	14.84	14.78	16.70
10	64QAM	1	49	14.86	14.78	14.76	16.70
10	64QAM	25	0	14.76	14.77	14.77	16.70
10	64QAM	25	12	14.82	14.90	14.77	16.70
10	64QAM	25	25	14.90	14.88	14.79	16.70
10	64QAM	50	0	14.84	14.87	14.84	16.70
10	256QAM	1	0	14.83	14.87	14.81	16.70
10	256QAM	1	25	14.89	14.86	14.84	16.70
10	256QAM	1	49	14.83	14.84	14.86	16.70
10	256QAM	25	0	14.82	14.87	14.78	16.70
10	256QAM	25	12	14.82	14.87	14.82	16.70
10	256QAM	25	25	14.91	14.77	14.77	16.70
10	256QAM	50	0	14.83	14.87	14.72	16.70
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	14.93	14.98	14.90	16.70
5	QPSK	1	12	14.82	14.88	14.86	16.70
5	QPSK	1	24	14.85	14.85	14.79	16.70
5	QPSK	12	0	14.79	14.99	14.78	16.70
5	QPSK	12	7	14.81	14.91	14.74	16.70
5	QPSK	12	13	14.89	14.80	14.83	16.70
5	QPSK	25	0	14.88	14.87	14.81	16.70
5	16QAM	1	0	14.87	14.88	14.78	16.70
5	16QAM	1	12	14.77	14.88	14.76	16.70
5	16QAM	1	24	14.79	14.85	14.76	16.70
5	16QAM	12	0	14.78	14.92	14.72	16.70
5	16QAM	12	7	14.95	14.80	14.85	16.70
5	16QAM	12	13	14.84	14.85	14.90	16.70
5	16QAM	25	0	14.77	14.78	14.75	16.70
5	64QAM	1	0	14.83	14.86	14.72	16.70
5	64QAM	1	12	14.82	14.90	14.85	16.70
5	64QAM	1	24	14.82	14.88	14.79	16.70
5	64QAM	12	0	14.80	14.90	14.80	16.70
5	64QAM	12	7	14.74	14.88	14.86	16.70
5	64QAM	12	13	14.81	14.85	14.89	16.70
5	64QAM	25	0	14.90	14.88	14.81	16.70
5	256QAM	1	0	14.81	14.86	14.93	16.70
5	256QAM	1	12	14.84	14.79	14.79	16.70
5	256QAM	1	24	14.84	14.90	14.85	16.70
5	256QAM	12	0	14.87	14.86	14.89	16.70
5	256QAM	12	7	14.79	14.86	14.83	16.70
5	256QAM	12	13	14.78	14.84	14.73	16.70
5	256QAM	25	0	14.78	14.85	14.76	16.70
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	14.86	14.99	14.89	16.70
3	QPSK	1	8	14.81	14.92	14.86	16.70
3	QPSK	1	14	14.78	14.83	14.84	16.70
3	QPSK	8	0	14.91	14.96	14.85	16.70
3	QPSK	8	4	14.80	14.86	14.76	16.70
3	QPSK	8	7	14.85	14.91	14.82	16.70
3	QPSK	15	0	14.85	14.79	14.76	16.70
3	16QAM	1	0	14.83	14.91	14.75	16.70
3	16QAM	1	8	14.78	14.87	14.72	16.70
3	16QAM	1	14	14.74	14.78	14.87	16.70
3	16QAM	8	0	14.82	14.91	14.77	16.70
3	16QAM	8	4	14.94	14.82	14.82	16.70
3	16QAM	8	7	14.87	14.74	14.79	16.70
3	16QAM	15	0	14.82	14.87	14.78	16.70
3	64QAM	1	0	14.80	14.96	14.79	16.70
3	64QAM	1	8	14.83	14.86	14.81	16.70
3	64QAM	1	14	14.77	14.89	14.81	16.70
3	64QAM	8	0	14.84	14.83	14.82	16.70
3	64QAM	8	4	14.81	14.88	14.86	16.70
3	64QAM	8	7	14.87	14.83	14.87	16.70
3	64QAM	15	0	14.94	14.90	14.86	16.70
3	256QAM	1	0	14.84	14.84	14.87	16.70
3	256QAM	1	8	14.91	14.88	14.85	16.70
3	256QAM	1	14	14.84	14.89	14.84	16.70
3	256QAM	8	0	14.79	14.74	14.82	16.70
3	256QAM	8	4	14.76	14.81	14.73	16.70
3	256QAM	8	7	14.80	14.87	14.78	16.70
3	256QAM	15	0	14.80	14.83	14.72	16.70
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	



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1.4	QPSK	1	0	14.98	15.01	14.87	16.70
1.4	QPSK	1	3	14.76	14.82	14.88	16.70
1.4	QPSK	1	5	14.78	14.85	14.83	16.70
1.4	QPSK	3	0	14.79	14.99	14.74	16.70
1.4	QPSK	3	1	14.83	14.91	14.76	16.70
1.4	QPSK	3	3	14.83	14.81	14.86	16.70
1.4	QPSK	6	0	14.81	14.87	14.79	16.70
1.4	16QAM	1	0	14.88	14.87	14.80	16.70
1.4	16QAM	1	3	14.80	14.83	14.84	16.70
1.4	16QAM	1	5	14.80	14.88	14.86	16.70
1.4	16QAM	3	0	14.89	14.90	14.84	16.70
1.4	16QAM	3	1	14.94	14.78	14.72	16.70
1.4	16QAM	3	3	14.78	14.84	14.84	16.70
1.4	16QAM	6	0	14.77	14.80	14.71	16.70
1.4	64QAM	1	0	14.84	14.97	14.71	16.70
1.4	64QAM	1	3	14.94	14.87	14.72	16.70
1.4	64QAM	1	5	14.86	14.84	14.75	16.70
1.4	64QAM	3	0	14.83	14.80	14.71	16.70
1.4	64QAM	3	1	14.85	14.87	14.80	16.70
1.4	64QAM	3	3	14.81	14.87	14.86	16.70
1.4	64QAM	6	0	14.90	14.91	14.87	16.70
1.4	256QAM	1	0	14.76	14.82	14.88	16.70
1.4	256QAM	1	3	14.94	14.80	14.76	16.70
1.4	256QAM	1	5	14.76	14.90	14.88	16.70
1.4	256QAM	3	0	14.83	14.73	14.83	16.70
1.4	256QAM	3	1	14.77	14.77	14.81	16.70
1.4	256QAM	3	3	14.87	14.87	14.81	16.70
1.4	256QAM	6	0	14.76	14.89	14.79	16.70

【LTE Band 25_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00
20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00
20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00
20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00



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15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00
15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00
10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00
5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00
5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00



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5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00
3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00
3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00
1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00
1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	18.00

【LTE Band 25_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	21.65	21.67	21.62	23.00
20	QPSK	1	49	21.31	21.41	21.31	23.00
20	QPSK	1	99	21.44	21.58	21.51	23.00
20	QPSK	50	0	20.60	20.68	20.63	22.00
20	QPSK	50	24	20.57	20.63	20.55	22.00
20	QPSK	50	50	20.38	20.50	20.37	22.00



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20	QPSK	100	0	20.61	20.65	20.47	22.00
20	16QAM	1	0	20.42	20.52	20.43	22.00
20	16QAM	1	49	20.47	20.61	20.41	22.00
20	16QAM	1	99	20.58	20.67	20.59	22.00
20	16QAM	50	0	19.52	19.58	19.50	21.00
20	16QAM	50	24	19.41	19.47	19.38	21.00
20	16QAM	50	50	19.52	19.67	19.51	21.00
20	16QAM	100	0	19.53	19.60	19.52	21.00
20	64QAM	1	0	19.49	19.60	19.51	21.00
20	64QAM	1	49	19.59	19.68	19.55	21.00
20	64QAM	1	99	19.59	19.66	19.54	21.00
20	64QAM	50	0	18.56	18.61	18.42	20.00
20	64QAM	50	24	18.40	18.54	18.46	20.00
20	64QAM	50	50	18.43	18.47	18.39	20.00
20	64QAM	100	0	18.55	18.63	18.52	20.00
20	256QAM	1	0	16.62	16.65	16.56	18.00
20	256QAM	1	49	16.37	16.48	16.30	18.00
20	256QAM	1	99	16.41	16.53	16.45	18.00
20	256QAM	50	0	16.45	16.50	16.32	18.00
20	256QAM	50	24	16.61	16.64	16.46	18.00
20	256QAM	50	50	16.39	16.53	16.41	18.00
20	256QAM	100	0	16.60	16.68	16.53	18.00
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	21.57	21.63	21.49	23.00
15	QPSK	1	37	21.19	21.35	21.25	23.00
15	QPSK	1	74	21.43	21.56	21.44	23.00
15	QPSK	36	0	20.58	20.63	20.55	22.00
15	QPSK	36	20	20.48	20.56	20.45	22.00
15	QPSK	36	39	20.29	20.44	20.31	22.00
15	QPSK	75	0	20.56	20.62	20.44	22.00
15	16QAM	1	0	20.33	20.38	20.37	22.00
15	16QAM	1	37	20.41	20.50	20.28	22.00
15	16QAM	1	74	20.55	20.63	20.46	22.00
15	16QAM	36	0	19.48	19.47	19.38	21.00
15	16QAM	36	20	19.31	19.32	19.36	21.00
15	16QAM	36	39	19.44	19.63	19.45	21.00
15	16QAM	75	0	19.41	19.45	19.42	21.00
15	64QAM	1	0	19.44	19.46	19.48	21.00
15	64QAM	1	37	19.54	19.62	19.49	21.00
15	64QAM	1	74	19.55	19.54	19.43	21.00
15	64QAM	36	0	18.41	18.50	18.35	20.00
15	64QAM	36	20	18.37	18.42	18.34	20.00
15	64QAM	36	39	18.29	18.39	18.28	20.00
15	64QAM	75	0	18.52	18.54	18.41	20.00
15	256QAM	1	0	16.50	16.61	16.52	18.00
15	256QAM	1	37	16.29	16.34	16.22	18.00
15	256QAM	1	74	16.29	16.38	16.30	18.00
15	256QAM	36	0	16.32	16.35	16.21	18.00
15	256QAM	36	20	16.56	16.54	16.31	18.00
15	256QAM	36	39	16.33	16.40	16.27	18.00
15	256QAM	75	0	16.56	16.54	16.43	18.00
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	21.57	21.62	21.50	23.00
10	QPSK	1	25	21.26	21.27	21.26	23.00
10	QPSK	1	49	21.41	21.53	21.45	23.00
10	QPSK	25	0	20.57	20.58	20.60	22.00
10	QPSK	25	12	20.49	20.55	20.52	22.00
10	QPSK	25	25	20.32	20.39	20.24	22.00
10	QPSK	50	0	20.53	20.54	20.45	22.00
10	16QAM	1	0	20.32	20.40	20.29	22.00
10	16QAM	1	25	20.39	20.47	20.38	22.00
10	16QAM	1	49	20.57	20.59	20.53	22.00
10	16QAM	25	0	19.39	19.51	19.41	21.00
10	16QAM	25	12	19.38	19.45	19.31	21.00
10	16QAM	25	25	19.46	19.59	19.42	21.00
10	16QAM	50	0	19.50	19.53	19.38	21.00
10	64QAM	1	0	19.37	19.57	19.45	21.00
10	64QAM	1	25	19.52	19.55	19.52	21.00
10	64QAM	1	49	19.57	19.61	19.49	21.00
10	64QAM	25	0	18.44	18.51	18.31	20.00
10	64QAM	25	12	18.36	18.49	18.39	20.00
10	64QAM	25	25	18.29	18.33	18.28	20.00
10	64QAM	50	0	18.52	18.55	18.44	20.00
10	256QAM	1	0	16.55	16.59	16.46	18.00
10	256QAM	1	25	16.27	16.45	16.28	18.00
10	256QAM	1	49	16.39	16.48	16.36	18.00



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10	256QAM	25	0	16.31	16.35	16.24	18.00
10	256QAM	25	12	16.58	16.53	16.32	18.00
10	256QAM	25	25	16.27	16.45	16.33	18.00
10	256QAM	50	0	16.47	16.67	16.47	18.00
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	21.60	21.56	21.57	23.00
5	QPSK	1	12	21.24	21.39	21.18	23.00
5	QPSK	1	24	21.34	21.48	21.36	23.00
5	QPSK	12	0	20.58	20.66	20.62	22.00
5	QPSK	12	7	20.44	20.49	20.47	22.00
5	QPSK	12	13	20.34	20.43	20.31	22.00
5	QPSK	25	0	20.51	20.54	20.45	22.00
5	16QAM	1	0	20.35	20.48	20.38	22.00
5	16QAM	1	12	20.41	20.59	20.35	22.00
5	16QAM	1	24	20.55	20.60	20.54	22.00
5	16QAM	12	0	19.43	19.52	19.49	21.00
5	16QAM	12	7	19.34	19.35	19.30	21.00
5	16QAM	12	13	19.44	19.56	19.38	21.00
5	16QAM	25	0	19.43	19.54	19.47	21.00
5	64QAM	1	0	19.45	19.50	19.43	21.00
5	64QAM	1	12	19.56	19.58	19.49	21.00
5	64QAM	1	24	19.46	19.64	19.48	21.00
5	64QAM	12	0	18.45	18.47	18.40	20.00
5	64QAM	12	7	18.26	18.42	18.45	20.00
5	64QAM	12	13	18.28	18.40	18.32	20.00
5	64QAM	25	0	18.51	18.56	18.50	20.00
5	256QAM	1	0	16.51	16.57	16.50	18.00
5	256QAM	1	12	16.35	16.40	16.16	18.00
5	256QAM	1	24	16.26	16.38	16.40	18.00
5	256QAM	12	0	16.43	16.43	16.21	18.00
5	256QAM	12	7	16.53	16.58	16.38	18.00
5	256QAM	12	13	16.34	16.49	16.33	18.00
5	256QAM	25	0	16.58	16.57	16.44	18.00
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	21.64	21.66	21.50	23.00
3	QPSK	1	8	21.27	21.29	21.25	23.00
3	QPSK	1	14	21.38	21.46	21.41	23.00
3	QPSK	8	0	20.50	20.63	20.60	22.00
3	QPSK	8	4	20.55	20.61	20.43	22.00
3	QPSK	8	7	20.34	20.44	20.30	22.00
3	QPSK	15	0	20.48	20.62	20.44	22.00
3	16QAM	1	0	20.39	20.47	20.36	22.00
3	16QAM	1	8	20.40	20.53	20.29	22.00
3	16QAM	1	14	20.51	20.62	20.47	22.00
3	16QAM	8	0	19.38	19.56	19.42	21.00
3	16QAM	8	4	19.28	19.39	19.31	21.00
3	16QAM	8	7	19.46	19.53	19.39	21.00
3	16QAM	15	0	19.40	19.48	19.45	21.00
3	64QAM	1	0	19.46	19.57	19.48	21.00
3	64QAM	1	8	19.48	19.61	19.44	21.00
3	64QAM	1	14	19.58	19.59	19.40	21.00
3	64QAM	8	0	18.51	18.52	18.32	20.00
3	64QAM	8	4	18.36	18.49	18.41	20.00
3	64QAM	8	7	18.40	18.38	18.33	20.00
3	64QAM	15	0	18.51	18.62	18.39	20.00
3	256QAM	1	0	16.59	16.60	16.45	18.00
3	256QAM	1	8	16.25	16.37	16.17	18.00
3	256QAM	1	14	16.34	16.41	16.41	18.00
3	256QAM	8	0	16.43	16.37	16.26	18.00
3	256QAM	8	4	16.60	16.58	16.43	18.00
3	256QAM	8	7	16.31	16.48	16.36	18.00
3	256QAM	15	0	16.49	16.61	16.41	18.00
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	21.53	21.58	21.57	23.00
1.4	QPSK	1	3	21.28	21.26	21.19	23.00
1.4	QPSK	1	5	21.30	21.43	21.47	23.00
1.4	QPSK	3	0	21.48	21.57	21.61	23.00
1.4	QPSK	3	1	21.52	21.52	21.43	23.00
1.4	QPSK	3	3	21.27	21.42	21.26	23.00
1.4	QPSK	6	0	20.59	20.58	20.44	22.00
1.4	16QAM	1	0	20.32	20.49	20.37	22.00
1.4	16QAM	1	3	20.37	20.52	20.30	22.00
1.4	16QAM	1	5	20.51	20.59	20.45	22.00
1.4	16QAM	3	0	20.50	20.56	20.46	22.00
1.4	16QAM	3	1	20.39	20.33	20.33	22.00



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1.4	16QAM	3	3	20.41	20.55	20.48	22.00
1.4	16QAM	6	0	19.42	19.48	19.47	21.00
1.4	64QAM	1	0	19.39	19.58	19.37	21.00
1.4	64QAM	1	3	19.47	19.53	19.54	21.00
1.4	64QAM	1	5	19.56	19.52	19.42	21.00
1.4	64QAM	3	0	19.55	19.52	19.37	21.00
1.4	64QAM	3	1	19.38	19.49	19.40	21.00
1.4	64QAM	3	3	19.41	19.36	19.33	21.00
1.4	64QAM	6	0	18.47	18.52	18.45	20.00
1.4	256QAM	1	0	16.52	16.59	16.46	18.00
1.4	256QAM	1	3	16.23	16.44	16.19	18.00
1.4	256QAM	1	5	16.29	16.41	16.33	18.00
1.4	256QAM	3	0	16.39	16.45	16.23	18.00
1.4	256QAM	3	1	16.58	16.51	16.33	18.00
1.4	256QAM	3	3	16.37	16.45	16.37	18.00
1.4	256QAM	6	0	16.48	16.59	16.49	18.00

【LTE Band 38_Ant 3_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					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		23.31		24.00
20	QPSK	1	49		23.05		24.00
20	QPSK	1	99		23.09		24.00
20	QPSK	50	0		22.35		23.00
20	QPSK	50	24		22.17		23.00
20	QPSK	50	50		22.10		23.00
20	QPSK	100	0		22.21		23.00
20	16QAM	1	0		22.15		23.00
20	16QAM	1	49		22.17		23.00
20	16QAM	1	99		22.30		23.00
20	16QAM	50	0		21.21		22.00
20	16QAM	50	24		21.16		22.00
20	16QAM	50	50		21.31		22.00
20	16QAM	100	0		21.28		22.00
20	64QAM	1	0		21.16		22.00
20	64QAM	1	49		21.13		22.00
20	64QAM	1	99		21.10		22.00
20	64QAM	50	0		20.11		21.00
20	64QAM	50	24		20.25		21.00
20	64QAM	50	50		20.12		21.00
20	64QAM	100	0		20.33		21.00
20	256QAM	1	0		18.20		19.00
20	256QAM	1	49		18.31		19.00
20	256QAM	1	99		18.29		19.00
20	256QAM	50	0		18.24		19.00
20	256QAM	50	24		18.15		19.00
20	256QAM	50	50		18.12		19.00
20	256QAM	100	0		18.13		19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.14	23.28	23.18	24.00
15	QPSK	1	37	22.94	22.97	22.85	24.00
15	QPSK	1	74	22.90	23.04	22.89	24.00
15	QPSK	36	0	22.23	22.30	22.11	23.00
15	QPSK	36	20	22.02	22.03	21.85	23.00
15	QPSK	36	39	22.01	21.99	21.79	23.00
15	QPSK	75	0	21.95	22.13	21.87	23.00
15	16QAM	1	0	21.98	22.07	21.90	23.00
15	16QAM	1	37	21.93	22.03	21.87	23.00
15	16QAM	1	74	22.15	22.27	22.04	23.00
15	16QAM	36	0	21.03	21.15	21.00	22.00
15	16QAM	36	20	20.95	21.03	20.88	22.00
15	16QAM	36	39	21.16	21.20	21.09	22.00
15	16QAM	75	0	21.08	21.24	21.02	22.00
15	64QAM	1	0	21.01	21.07	21.00	22.00
15	64QAM	1	37	20.96	21.04	20.88	22.00
15	64QAM	1	74	20.85	21.00	20.84	22.00
15	64QAM	36	0	19.92	19.97	19.92	21.00
15	64QAM	36	20	20.09	20.13	20.09	21.00
15	64QAM	36	39	19.83	19.99	19.97	21.00
15	64QAM	75	0	20.25	20.25	20.15	21.00



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15	256QAM	1	0	17.97	18.06	17.98	19.00
15	256QAM	1	37	18.16	18.27	18.06	19.00
15	256QAM	1	74	18.04	18.26	18.02	19.00
15	256QAM	36	0	18.11	18.18	18.08	19.00
15	256QAM	36	20	18.04	18.03	17.98	19.00
15	256QAM	36	39	17.95	18.01	17.91	19.00
15	256QAM	75	0	17.90	18.00	17.97	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.17	23.29	23.13	24.00
10	QPSK	1	25	22.85	23.02	22.80	24.00
10	QPSK	1	49	22.93	23.08	22.84	24.00
10	QPSK	25	0	22.24	22.21	22.13	23.00
10	QPSK	25	12	22.09	22.14	21.98	23.00
10	QPSK	25	25	21.98	22.00	21.79	23.00
10	QPSK	50	0	22.01	22.12	22.00	23.00
10	16QAM	1	0	22.09	22.08	21.98	23.00
10	16QAM	1	25	22.00	22.13	21.91	23.00
10	16QAM	1	49	22.08	22.18	22.15	23.00
10	16QAM	25	0	21.11	21.16	21.00	22.00
10	16QAM	25	12	20.98	21.03	20.86	22.00
10	16QAM	25	25	21.18	21.17	21.10	22.00
10	16QAM	50	0	21.15	21.15	21.12	22.00
10	64QAM	1	0	20.90	21.07	20.99	22.00
10	64QAM	1	25	20.95	21.01	20.84	22.00
10	64QAM	1	49	20.94	21.04	20.80	22.00
10	64QAM	25	0	19.99	19.98	19.89	21.00
10	64QAM	25	12	20.08	20.14	20.10	21.00
10	64QAM	25	25	19.88	20.05	19.96	21.00
10	64QAM	50	0	20.24	20.24	20.15	21.00
10	256QAM	1	0	18.08	18.14	18.00	19.00
10	256QAM	1	25	18.12	18.18	18.08	19.00
10	256QAM	1	49	18.05	18.28	18.03	19.00
10	256QAM	25	0	18.10	18.22	18.08	19.00
10	256QAM	25	12	18.04	18.03	17.98	19.00
10	256QAM	25	25	17.92	17.98	17.84	19.00
10	256QAM	50	0	17.86	18.01	17.93	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.17	23.27	23.13	24.00
5	QPSK	1	12	22.90	22.96	22.81	24.00
5	QPSK	1	24	22.92	23.07	22.92	24.00
5	QPSK	12	0	22.23	22.24	22.17	23.00
5	QPSK	12	7	22.11	22.09	21.92	23.00
5	QPSK	12	13	21.96	21.97	21.91	23.00
5	QPSK	25	0	21.99	22.09	21.96	23.00
5	16QAM	1	0	21.96	22.04	21.92	23.00
5	16QAM	1	12	21.97	22.09	21.90	23.00
5	16QAM	1	24	22.11	22.25	22.03	23.00
5	16QAM	12	0	21.06	21.07	21.09	22.00
5	16QAM	12	7	20.88	21.14	20.95	22.00
5	16QAM	12	13	21.15	21.29	21.15	22.00
5	16QAM	25	0	21.10	21.19	21.08	22.00
5	64QAM	1	0	20.98	21.15	20.94	22.00
5	64QAM	1	12	20.99	21.08	20.88	22.00
5	64QAM	1	24	20.91	21.05	20.85	22.00
5	64QAM	12	0	19.99	20.04	19.85	21.00
5	64QAM	12	7	20.06	20.12	20.14	21.00
5	64QAM	12	13	19.83	20.03	19.91	21.00
5	64QAM	25	0	20.27	20.31	20.08	21.00
5	256QAM	1	0	18.09	18.13	18.06	19.00
5	256QAM	1	12	18.13	18.17	18.03	19.00
5	256QAM	1	24	18.12	18.14	18.00	19.00
5	256QAM	12	0	18.15	18.23	17.99	19.00
5	256QAM	12	7	18.00	18.03	17.88	19.00
5	256QAM	12	13	17.85	18.03	17.84	19.00
5	256QAM	25	0	17.83	18.03	18.03	19.00

**【LTE Band 38_Ant 3_DSI 2】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		17.51		18.60
20	QPSK	1	49		17.20		18.60
20	QPSK	1	99		17.32		18.60
20	QPSK	50	0		17.49		18.60
20	QPSK	50	24		17.18		18.60
20	QPSK	50	50		17.32		18.60
20	QPSK	100	0		17.38		18.60
20	16QAM	1	0		17.43		18.60
20	16QAM	1	49		17.45		18.60
20	16QAM	1	99		17.34		18.60
20	16QAM	50	0		17.25		18.60
20	16QAM	50	24		17.22		18.60
20	16QAM	50	50		17.28		18.60
20	16QAM	100	0		17.40		18.60
20	64QAM	1	0		17.35		18.60
20	64QAM	1	49		17.22		18.60
20	64QAM	1	99		17.39		18.60
20	64QAM	50	0		17.30		18.60
20	64QAM	50	24		17.12		18.60
20	64QAM	50	50		17.25		18.60
20	64QAM	100	0		17.14		18.60
20	256QAM	1	0		17.42		18.60
20	256QAM	1	49		17.34		18.60
20	256QAM	1	99		17.33		18.60
20	256QAM	50	0		17.41		18.60
20	256QAM	50	24		17.26		18.60
20	256QAM	50	50		17.41		18.60
20	256QAM	100	0		17.36		18.60
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	17.33	17.38	17.44	18.60
15	QPSK	1	37	16.99	17.09	16.91	18.60
15	QPSK	1	74	17.16	17.29	17.04	18.60
15	QPSK	36	0	17.33	17.45	17.36	18.60
15	QPSK	36	20	17.01	17.07	16.95	18.60
15	QPSK	36	39	17.17	17.25	17.01	18.60
15	QPSK	75	0	17.22	17.28	17.24	18.60
15	16QAM	1	0	17.29	17.50	17.25	18.60
15	16QAM	1	37	17.26	17.42	17.16	18.60
15	16QAM	1	74	17.20	17.30	17.04	18.60
15	16QAM	36	0	17.04	17.16	17.06	18.60
15	16QAM	36	20	16.92	17.14	17.08	18.60
15	16QAM	36	39	17.12	17.27	16.99	18.60
15	16QAM	75	0	17.13	17.32	17.25	18.60
15	64QAM	1	0	17.06	17.33	17.19	18.60
15	64QAM	1	37	17.07	17.13	17.09	18.60
15	64QAM	1	74	17.16	17.38	17.10	18.60
15	64QAM	36	0	17.12	17.16	17.06	18.60
15	64QAM	36	20	16.92	17.03	17.02	18.60
15	64QAM	36	39	17.08	17.21	17.05	18.60
15	64QAM	75	0	17.00	17.12	16.85	18.60
15	256QAM	1	0	17.31	17.28	17.13	18.60
15	256QAM	1	37	17.09	17.30	17.08	18.60
15	256QAM	1	74	17.08	17.25	17.22	18.60
15	256QAM	36	0	17.08	17.38	17.26	18.60
15	256QAM	36	20	17.01	17.12	17.02	18.60
15	256QAM	36	39	17.19	17.34	17.18	18.60
15	256QAM	75	0	17.26	17.26	17.09	18.60
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	17.40	17.42	17.33	18.60
10	QPSK	1	25	16.94	17.13	17.00	18.60
10	QPSK	1	49	17.12	17.18	17.05	18.60
10	QPSK	25	0	17.28	17.41	17.33	18.60
10	QPSK	25	12	16.99	17.12	16.88	18.60
10	QPSK	25	25	17.10	17.25	17.07	18.60
10	QPSK	50	0	17.33	17.35	17.21	18.60
10	16QAM	1	0	17.27	17.45	17.26	18.60
10	16QAM	1	25	17.25	17.35	17.19	18.60
10	16QAM	1	49	17.19	17.28	17.06	18.60



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10	16QAM	25	0	16.97	17.16	17.12	18.60
10	16QAM	25	12	16.92	17.10	17.10	18.60
10	16QAM	25	25	17.12	17.25	16.98	18.60
10	16QAM	50	0	17.11	17.28	17.28	18.60
10	64QAM	1	0	17.05	17.25	17.24	18.60
10	64QAM	1	25	17.03	17.13	17.03	18.60
10	64QAM	1	49	17.19	17.34	17.14	18.60
10	64QAM	25	0	17.05	17.17	17.06	18.60
10	64QAM	25	12	16.84	16.98	17.03	18.60
10	64QAM	25	25	17.10	17.24	17.09	18.60
10	64QAM	50	0	16.99	17.00	16.96	18.60
10	256QAM	1	0	17.29	17.36	17.24	18.60
10	256QAM	1	25	17.09	17.30	17.19	18.60
10	256QAM	1	49	17.13	17.20	17.13	18.60
10	256QAM	25	0	17.21	17.31	17.19	18.60
10	256QAM	25	12	17.03	17.18	17.04	18.60
10	256QAM	25	25	17.29	17.26	17.18	18.60
10	256QAM	50	0	17.18	17.32	17.07	18.60
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.41	17.46	17.41	18.60
5	QPSK	1	12	16.90	17.13	16.98	18.60
5	QPSK	1	24	17.10	17.17	17.09	18.60
5	QPSK	12	0	17.41	17.36	17.31	18.60
5	QPSK	12	7	16.99	17.07	17.02	18.60
5	QPSK	12	13	17.08	17.30	17.07	18.60
5	QPSK	25	0	17.26	17.32	17.31	18.60
5	16QAM	1	0	17.26	17.43	17.23	18.60
5	16QAM	1	12	17.36	17.30	17.16	18.60
5	16QAM	1	24	17.25	17.19	17.06	18.60
5	16QAM	12	0	16.95	17.20	17.01	18.60
5	16QAM	12	7	16.91	17.19	17.06	18.60
5	16QAM	12	13	17.19	17.20	16.97	18.60
5	16QAM	25	0	17.18	17.30	17.18	18.60
5	64QAM	1	0	17.11	17.21	17.19	18.60
5	64QAM	1	12	17.01	17.17	17.15	18.60
5	64QAM	1	24	17.11	17.30	17.20	18.60
5	64QAM	12	0	17.13	17.20	17.12	18.60
5	64QAM	12	7	16.87	16.99	16.94	18.60
5	64QAM	12	13	17.10	17.12	17.10	18.60
5	64QAM	25	0	17.02	17.01	16.90	18.60
5	256QAM	1	0	17.21	17.28	17.22	18.60
5	256QAM	1	12	17.06	17.20	17.17	18.60
5	256QAM	1	24	17.11	17.22	17.10	18.60
5	256QAM	12	0	17.08	17.35	17.29	18.60
5	256QAM	12	7	17.07	17.11	17.07	18.60
5	256QAM	12	13	17.21	17.32	17.26	18.60
5	256QAM	25	0	17.17	17.22	17.07	18.60

【LTE Band 38_Ant 3_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		18.55		20.30
20	QPSK	1	49		18.44		20.30
20	QPSK	1	99		18.35		20.30
20	QPSK	50	0		18.45		20.30
20	QPSK	50	24		18.43		20.30
20	QPSK	50	50		18.36		20.30
20	QPSK	100	0		18.36		20.30
20	16QAM	1	0		18.42		20.30
20	16QAM	1	49		18.33		20.30
20	16QAM	1	99		18.32		20.30
20	16QAM	50	0		18.34		20.30
20	16QAM	50	24		18.30		20.30
20	16QAM	50	50		18.36		20.30
20	16QAM	100	0		18.35		20.30
20	64QAM	1	0		18.31		20.30
20	64QAM	1	49		18.34		20.30
20	64QAM	1	99		18.34		20.30
20	64QAM	50	0		18.35		20.30
20	64QAM	50	24		18.40		20.30



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20	64QAM	50	50		18.39		20.30
20	64QAM	100	0		18.37		20.30
20	256QAM	1	0		18.36		19.00
20	256QAM	1	49		18.39		19.00
20	256QAM	1	99		18.40		19.00
20	256QAM	50	0		18.40		19.00
20	256QAM	50	24		18.42		19.00
20	256QAM	50	50		18.32		19.00
20	256QAM	100	0		18.37		19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.39	18.44	18.30	20.30
15	QPSK	1	37	18.31	18.38	18.31	20.30
15	QPSK	1	74	18.30	18.30	18.30	20.30
15	QPSK	36	0	18.32	18.44	18.30	20.30
15	QPSK	36	20	18.30	18.35	18.31	20.30
15	QPSK	36	39	18.30	18.31	18.30	20.30
15	QPSK	75	0	18.30	18.33	18.31	20.30
15	16QAM	1	0	18.31	18.30	18.30	20.30
15	16QAM	1	37	18.30	18.31	18.32	20.30
15	16QAM	1	74	18.30	18.31	18.30	20.30
15	16QAM	36	0	18.30	18.30	18.31	20.30
15	16QAM	36	20	18.30	18.30	18.30	20.30
15	16QAM	36	39	18.31	18.34	18.30	20.30
15	16QAM	75	0	18.31	18.30	18.30	20.30
15	64QAM	1	0	18.30	18.30	18.30	20.30
15	64QAM	1	37	18.31	18.31	18.30	20.30
15	64QAM	1	74	18.30	18.31	18.30	20.30
15	64QAM	36	0	18.30	18.34	18.31	20.30
15	64QAM	36	20	18.31	18.30	18.31	20.30
15	64QAM	36	39	18.31	18.37	18.30	20.30
15	64QAM	75	0	18.32	18.34	18.31	20.30
15	256QAM	1	0	18.11	18.26	18.08	19.00
15	256QAM	1	37	18.22	18.31	18.04	19.00
15	256QAM	1	74	18.30	18.30	18.17	19.00
15	256QAM	36	0	18.16	18.36	18.17	19.00
15	256QAM	36	20	18.20	18.33	18.06	19.00
15	256QAM	36	39	18.05	18.22	18.01	19.00
15	256QAM	75	0	18.08	18.30	18.06	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	18.41	18.48	18.35	20.30
10	QPSK	1	25	18.31	18.30	18.30	20.30
10	QPSK	1	49	18.30	18.32	18.31	20.30
10	QPSK	25	0	18.30	18.42	18.30	20.30
10	QPSK	25	12	18.30	18.34	18.30	20.30
10	QPSK	25	25	18.32	18.30	18.32	20.30
10	QPSK	50	0	18.31	18.31	18.30	20.30
10	16QAM	1	0	18.30	18.30	18.30	20.30
10	16QAM	1	25	18.30	18.30	18.32	20.30
10	16QAM	1	49	18.30	18.31	18.32	20.30
10	16QAM	25	0	18.30	18.31	18.30	20.30
10	16QAM	25	12	18.30	18.30	18.30	20.30
10	16QAM	25	25	18.31	18.30	18.30	20.30
10	16QAM	50	0	18.30	18.32	18.30	20.30
10	64QAM	1	0	18.31	18.31	18.30	20.30
10	64QAM	1	25	18.31	18.31	18.30	20.30
10	64QAM	1	49	18.30	18.30	18.30	20.30
10	64QAM	25	0	18.31	18.31	18.31	20.30
10	64QAM	25	12	18.30	18.38	18.30	20.30
10	64QAM	25	25	18.30	18.36	18.31	20.30
10	64QAM	50	0	18.31	18.31	18.30	20.30
10	256QAM	1	0	18.15	18.25	18.13	19.00
10	256QAM	1	25	18.20	18.37	18.07	19.00
10	256QAM	1	49	18.23	18.33	18.07	19.00
10	256QAM	25	0	18.19	18.35	18.08	19.00
10	256QAM	25	12	18.26	18.27	18.13	19.00
10	256QAM	25	25	18.00	18.24	18.01	19.00
10	256QAM	50	0	18.09	18.31	18.08	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	18.46	18.42	18.37	20.30
5	QPSK	1	12	18.30	18.33	18.30	20.30
5	QPSK	1	24	18.31	18.34	18.30	20.30
5	QPSK	12	0	18.31	18.41	18.30	20.30
5	QPSK	12	7	18.31	18.31	18.30	20.30
5	QPSK	12	13	18.30	18.34	18.31	20.30
5	QPSK	25	0	18.31	18.30	18.30	20.30



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5	16QAM	1	0	18.31	18.35	18.30	20.30
5	16QAM	1	12	18.30	18.30	18.31	20.30
5	16QAM	1	24	18.32	18.31	18.30	20.30
5	16QAM	12	0	18.32	18.32	18.31	20.30
5	16QAM	12	7	18.31	18.31	18.31	20.30
5	16QAM	12	13	18.32	18.31	18.31	20.30
5	16QAM	25	0	18.31	18.30	18.30	20.30
5	64QAM	1	0	18.30	18.30	18.30	20.30
5	64QAM	1	12	18.30	18.32	18.32	20.30
5	64QAM	1	24	18.31	18.32	18.31	20.30
5	64QAM	12	0	18.31	18.30	18.30	20.30
5	64QAM	12	7	18.32	18.31	18.30	20.30
5	64QAM	12	13	18.30	18.36	18.30	20.30
5	64QAM	25	0	18.32	18.32	18.31	20.30
5	256QAM	1	0	18.18	18.31	18.10	19.00
5	256QAM	1	12	18.19	18.33	18.01	19.00
5	256QAM	1	24	18.24	18.26	18.07	19.00
5	256QAM	12	0	18.12	18.30	18.15	19.00
5	256QAM	12	7	18.25	18.28	18.12	19.00
5	256QAM	12	13	18.04	18.23	18.02	19.00
5	256QAM	25	0	18.12	18.27	18.10	19.00

【LTE Band 38_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		22.50		23.70
20	QPSK	1	49		22.31		23.70
20	QPSK	1	99		22.38		23.70
20	QPSK	50	0		22.40		22.80
20	QPSK	50	24		22.23		22.80
20	QPSK	50	50		22.38		22.80
20	QPSK	100	0		22.30		22.80
20	16QAM	1	0		22.26		22.80
20	16QAM	1	49		22.35		22.80
20	16QAM	1	99		22.32		22.80
20	16QAM	50	0		21.23		21.80
20	16QAM	50	24		21.38		21.80
20	16QAM	50	50		21.27		21.80
20	16QAM	100	0		21.31		21.80
20	64QAM	1	0		21.34		21.80
20	64QAM	1	49		21.26		21.80
20	64QAM	1	99		21.29		21.80
20	64QAM	50	0		20.38		20.80
20	64QAM	50	24		20.23		20.80
20	64QAM	50	50		20.32		20.80
20	64QAM	100	0		20.31		20.80
20	256QAM	1	0		18.33		18.80
20	256QAM	1	49		18.23		18.80
20	256QAM	1	99		18.38		18.80
20	256QAM	50	0		18.27		18.80
20	256QAM	50	24		18.35		18.80
20	256QAM	50	50		18.28		18.80
20	256QAM	100	0		18.27		18.80
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	22.34	22.45	22.38	23.70
15	QPSK	1	37	22.13	22.29	21.97	23.70
15	QPSK	1	74	22.02	22.25	22.23	23.70
15	QPSK	36	0	22.34	22.34	22.33	22.80
15	QPSK	36	20	21.97	22.19	22.04	22.80
15	QPSK	36	39	22.14	22.25	22.14	22.80
15	QPSK	75	0	22.10	22.24	22.36	22.80
15	16QAM	1	0	21.95	22.14	21.99	22.80
15	16QAM	1	37	22.13	22.23	22.08	22.80
15	16QAM	1	74	22.12	22.29	22.09	22.80
15	16QAM	36	0	21.00	21.17	21.09	21.80
15	16QAM	36	20	21.08	21.30	21.15	21.80
15	16QAM	36	39	21.03	21.18	21.01	21.80
15	16QAM	75	0	21.11	21.19	21.10	21.80
15	64QAM	1	0	21.02	21.24	21.20	21.80
15	64QAM	1	37	21.06	21.22	21.11	21.80



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15	64QAM	1	74	21.02	21.16	21.02	21.80
15	64QAM	36	0	20.16	20.29	20.14	20.80
15	64QAM	36	20	19.96	20.12	19.97	20.80
15	64QAM	36	39	20.14	20.30	20.21	20.80
15	64QAM	75	0	20.02	20.22	20.03	20.80
15	256QAM	1	0	18.09	18.26	18.06	18.80
15	256QAM	1	37	17.99	18.10	18.09	18.80
15	256QAM	1	74	18.10	18.25	18.17	18.80
15	256QAM	36	0	18.01	18.25	17.98	18.80
15	256QAM	36	20	18.09	18.32	18.21	18.80
15	256QAM	36	39	18.04	18.22	18.10	18.80
15	256QAM	75	0	18.03	18.24	17.96	18.80
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.34	22.49	22.40	23.70
10	QPSK	1	25	22.11	22.17	21.96	23.70
10	QPSK	1	49	22.12	22.28	22.18	23.70
10	QPSK	25	0	22.28	22.28	22.22	22.80
10	QPSK	25	12	21.92	22.12	22.02	22.80
10	QPSK	25	25	22.06	22.35	22.20	22.80
10	QPSK	50	0	22.20	22.18	22.37	22.80
10	16QAM	1	0	22.00	22.20	22.05	22.80
10	16QAM	1	25	22.09	22.33	22.11	22.80
10	16QAM	1	49	22.16	22.21	22.08	22.80
10	16QAM	25	0	20.98	21.12	21.02	21.80
10	16QAM	25	12	21.05	21.35	21.04	21.80
10	16QAM	25	25	21.07	21.24	20.94	21.80
10	16QAM	50	0	21.13	21.19	21.05	21.80
10	64QAM	1	0	21.09	21.20	21.09	21.80
10	64QAM	1	25	21.05	21.11	21.02	21.80
10	64QAM	1	49	21.03	21.17	21.08	21.80
10	64QAM	25	0	20.06	20.36	20.07	20.80
10	64QAM	25	12	20.03	20.16	20.02	20.80
10	64QAM	25	25	20.14	20.21	20.17	20.80
10	64QAM	50	0	20.00	20.24	20.02	20.80
10	256QAM	1	0	18.06	18.19	18.12	18.80
10	256QAM	1	25	17.94	18.19	18.10	18.80
10	256QAM	1	49	18.03	18.36	18.27	18.80
10	256QAM	25	0	18.03	18.13	18.10	18.80
10	256QAM	25	12	18.19	18.33	18.22	18.80
10	256QAM	25	25	18.05	18.26	18.12	18.80
10	256QAM	50	0	18.01	18.13	17.97	18.80
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.37	22.40	22.36	23.70
5	QPSK	1	12	22.10	22.29	22.01	23.70
5	QPSK	1	24	22.11	22.25	22.24	23.70
5	QPSK	12	0	22.32	22.30	22.32	22.80
5	QPSK	12	7	21.96	22.13	21.99	22.80
5	QPSK	12	13	22.14	22.25	22.14	22.80
5	QPSK	25	0	22.17	22.19	22.42	22.80
5	16QAM	1	0	22.04	22.22	22.02	22.80
5	16QAM	1	12	22.03	22.25	22.12	22.80
5	16QAM	1	24	22.18	22.22	22.09	22.80
5	16QAM	12	0	21.05	21.11	21.04	21.80
5	16QAM	12	7	21.10	21.27	21.11	21.80
5	16QAM	12	13	21.06	21.23	20.99	21.80
5	16QAM	25	0	21.08	21.18	21.04	21.80
5	64QAM	1	0	21.06	21.26	21.10	21.80
5	64QAM	1	12	21.11	21.23	21.11	21.80
5	64QAM	1	24	21.07	21.24	20.96	21.80
5	64QAM	12	0	20.07	20.35	20.08	20.80
5	64QAM	12	7	19.93	20.14	20.02	20.80
5	64QAM	12	13	20.11	20.25	20.20	20.80
5	64QAM	25	0	19.97	20.23	19.99	20.80
5	256QAM	1	0	18.09	18.18	18.12	18.80
5	256QAM	1	12	17.91	18.15	18.01	18.80
5	256QAM	1	24	18.15	18.23	18.19	18.80
5	256QAM	12	0	18.11	18.20	17.98	18.80
5	256QAM	12	7	18.15	18.26	18.12	18.80
5	256QAM	12	13	18.06	18.25	18.16	18.80
5	256QAM	25	0	18.13	18.18	18.06	18.80

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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					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		13.69		15.30
20	QPSK	1	49		13.56		15.30
20	QPSK	1	99		13.65		15.30
20	QPSK	50	0		13.68		15.30
20	QPSK	50	24		13.55		15.30
20	QPSK	50	50		13.55		15.30
20	QPSK	100	0		13.54		15.30
20	16QAM	1	0		13.52		15.30
20	16QAM	1	49		13.57		15.30
20	16QAM	1	99		13.51		15.30
20	16QAM	50	0		13.48		15.30
20	16QAM	50	24		13.52		15.30
20	16QAM	50	50		13.50		15.30
20	16QAM	100	0		13.51		15.30
20	64QAM	1	0		13.45		15.30
20	64QAM	1	49		13.53		15.30
20	64QAM	1	99		13.45		15.30
20	64QAM	50	0		13.55		15.30
20	64QAM	50	24		13.62		15.30
20	64QAM	50	50		13.49		15.30
20	64QAM	100	0		13.62		15.30
20	256QAM	1	0		13.48		15.30
20	256QAM	1	49		13.60		15.30
20	256QAM	1	99		13.48		15.30
20	256QAM	50	0		13.59		15.30
20	256QAM	50	24		13.43		15.30
20	256QAM	50	50		13.54		15.30
20	256QAM	100	0		13.49		15.30
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	13.35	13.64	13.56	15.30
15	QPSK	1	37	13.39	13.53	13.49	15.30
15	QPSK	1	74	13.40	13.62	13.41	15.30
15	QPSK	36	0	13.39	13.54	13.44	15.30
15	QPSK	36	20	13.42	13.43	13.39	15.30
15	QPSK	36	39	13.40	13.51	13.50	15.30
15	QPSK	75	0	13.36	13.50	13.46	15.30
15	16QAM	1	0	13.37	13.45	13.49	15.30
15	16QAM	1	37	13.44	13.50	13.44	15.30
15	16QAM	1	74	13.33	13.49	13.47	15.30
15	16QAM	36	0	13.38	13.41	13.40	15.30
15	16QAM	36	20	13.35	13.51	13.37	15.30
15	16QAM	36	39	13.37	13.38	13.41	15.30
15	16QAM	75	0	13.37	13.40	13.38	15.30
15	64QAM	1	0	13.49	13.39	13.37	15.30
15	64QAM	1	37	13.45	13.40	13.41	15.30
15	64QAM	1	74	13.37	13.32	13.48	15.30
15	64QAM	36	0	13.43	13.50	13.42	15.30
15	64QAM	36	20	13.34	13.58	13.44	15.30
15	64QAM	36	39	13.44	13.45	13.44	15.30
15	64QAM	75	0	13.37	13.49	13.46	15.30
15	256QAM	1	0	13.41	13.34	13.44	15.30
15	256QAM	1	37	13.40	13.48	13.43	15.30
15	256QAM	1	74	13.33	13.47	13.45	15.30
15	256QAM	36	0	13.37	13.49	13.49	15.30
15	256QAM	36	20	13.35	13.35	13.47	15.30
15	256QAM	36	39	13.37	13.44	13.48	15.30
15	256QAM	75	0	13.34	13.35	13.44	15.30
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	13.34	13.67	13.60	15.30
10	QPSK	1	25	13.41	13.53	13.46	15.30
10	QPSK	1	49	13.36	13.52	13.36	15.30
10	QPSK	25	0	13.42	13.65	13.42	15.30
10	QPSK	25	12	13.45	13.40	13.35	15.30
10	QPSK	25	25	13.45	13.53	13.57	15.30
10	QPSK	50	0	13.45	13.40	13.43	15.30
10	16QAM	1	0	13.35	13.39	13.42	15.30
10	16QAM	1	25	13.50	13.49	13.38	15.30
10	16QAM	1	49	13.41	13.39	13.43	15.30



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10	16QAM	25	0	13.46	13.41	13.45	15.30
10	16QAM	25	12	13.34	13.40	13.46	15.30
10	16QAM	25	25	13.45	13.43	13.44	15.30
10	16QAM	50	0	13.41	13.42	13.43	15.30
10	64QAM	1	0	13.44	13.37	13.40	15.30
10	64QAM	1	25	13.45	13.38	13.35	15.30
10	64QAM	1	49	13.33	13.38	13.43	15.30
10	64QAM	25	0	13.41	13.47	13.46	15.30
10	64QAM	25	12	13.36	13.48	13.39	15.30
10	64QAM	25	25	13.41	13.48	13.39	15.30
10	64QAM	50	0	13.39	13.57	13.47	15.30
10	256QAM	1	0	13.46	13.37	13.43	15.30
10	256QAM	1	25	13.32	13.55	13.45	15.30
10	256QAM	1	49	13.32	13.34	13.37	15.30
10	256QAM	25	0	13.35	13.46	13.46	15.30
10	256QAM	25	12	13.37	13.34	13.41	15.30
10	256QAM	25	25	13.36	13.47	13.49	15.30
10	256QAM	50	0	13.41	13.42	13.39	15.30
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	13.41	13.63	13.65	15.30
5	QPSK	1	12	13.46	13.53	13.47	15.30
5	QPSK	1	24	13.43	13.61	13.31	15.30
5	QPSK	12	0	13.36	13.58	13.47	15.30
5	QPSK	12	7	13.34	13.48	13.41	15.30
5	QPSK	12	13	13.44	13.54	13.52	15.30
5	QPSK	25	0	13.35	13.50	13.41	15.30
5	16QAM	1	0	13.37	13.44	13.49	15.30
5	16QAM	1	12	13.52	13.49	13.42	15.30
5	16QAM	1	24	13.33	13.44	13.50	15.30
5	16QAM	12	0	13.42	13.42	13.43	15.30
5	16QAM	12	7	13.41	13.46	13.45	15.30
5	16QAM	12	13	13.40	13.45	13.45	15.30
5	16QAM	25	0	13.39	13.41	13.33	15.30
5	64QAM	1	0	13.50	13.44	13.37	15.30
5	64QAM	1	12	13.35	13.48	13.41	15.30
5	64QAM	1	24	13.35	13.36	13.38	15.30
5	64QAM	12	0	13.45	13.42	13.43	15.30
5	64QAM	12	7	13.42	13.61	13.43	15.30
5	64QAM	12	13	13.37	13.40	13.36	15.30
5	64QAM	25	0	13.37	13.56	13.38	15.30
5	256QAM	1	0	13.50	13.34	13.46	15.30
5	256QAM	1	12	13.39	13.47	13.48	15.30
5	256QAM	1	24	13.40	13.37	13.46	15.30
5	256QAM	12	0	13.42	13.50	13.50	15.30
5	256QAM	12	7	13.47	13.34	13.48	15.30
5	256QAM	12	13	13.41	13.45	13.48	15.30
5	256QAM	25	0	13.44	13.46	13.35	15.30

【LTE Band 38_Ant 3_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		17.51		18.60
20	QPSK	1	49		17.20		18.60
20	QPSK	1	99		17.32		18.60
20	QPSK	50	0		17.49		18.60
20	QPSK	50	24		17.18		18.60
20	QPSK	50	50		17.32		18.60
20	QPSK	100	0		17.38		18.60
20	16QAM	1	0		17.53		18.60
20	16QAM	1	49		17.45		18.60
20	16QAM	1	99		17.34		18.60
20	16QAM	50	0		17.25		18.60
20	16QAM	50	24		17.22		18.60
20	16QAM	50	50		17.28		18.60
20	16QAM	100	0		17.40		18.60
20	64QAM	1	0		17.35		18.60
20	64QAM	1	49		17.22		18.60
20	64QAM	1	99		17.39		18.60
20	64QAM	50	0		17.30		18.60
20	64QAM	50	24		17.12		18.60



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20	64QAM	50	50		17.25		18.60
20	64QAM	100	0		17.14		18.60
20	256QAM	1	0		17.42		18.60
20	256QAM	1	49		17.34		18.60
20	256QAM	1	99		17.33		18.60
20	256QAM	50	0		17.41		18.60
20	256QAM	50	24		17.26		18.60
20	256QAM	50	50		17.41		18.60
20	256QAM	100	0		17.36		18.60
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	17.33	17.38	17.44	18.60
15	QPSK	1	37	16.99	17.09	16.91	18.60
15	QPSK	1	74	17.16	17.29	17.04	18.60
15	QPSK	36	0	17.33	17.45	17.36	18.60
15	QPSK	36	20	17.01	17.07	16.95	18.60
15	QPSK	36	39	17.17	17.25	17.01	18.60
15	QPSK	75	0	17.22	17.28	17.24	18.60
15	16QAM	1	0	17.29	17.50	17.25	18.60
15	16QAM	1	37	17.26	17.42	17.16	18.60
15	16QAM	1	74	17.20	17.30	17.04	18.60
15	16QAM	36	0	17.04	17.16	17.06	18.60
15	16QAM	36	20	16.92	17.14	17.08	18.60
15	16QAM	36	39	17.12	17.27	16.99	18.60
15	16QAM	75	0	17.13	17.32	17.25	18.60
15	64QAM	1	0	17.06	17.33	17.19	18.60
15	64QAM	1	37	17.07	17.13	17.09	18.60
15	64QAM	1	74	17.16	17.38	17.10	18.60
15	64QAM	36	0	17.12	17.16	17.06	18.60
15	64QAM	36	20	16.92	17.03	17.02	18.60
15	64QAM	36	39	17.08	17.21	17.05	18.60
15	64QAM	75	0	17.00	17.12	16.85	18.60
15	256QAM	1	0	17.31	17.28	17.13	18.60
15	256QAM	1	37	17.09	17.30	17.08	18.60
15	256QAM	1	74	17.08	17.25	17.22	18.60
15	256QAM	36	0	17.08	17.38	17.26	18.60
15	256QAM	36	20	17.01	17.12	17.02	18.60
15	256QAM	36	39	17.19	17.34	17.18	18.60
15	256QAM	75	0	17.26	17.26	17.09	18.60
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	17.40	17.42	17.33	18.60
10	QPSK	1	25	16.94	17.13	17.00	18.60
10	QPSK	1	49	17.12	17.18	17.05	18.60
10	QPSK	25	0	17.28	17.41	17.33	18.60
10	QPSK	25	12	16.99	17.12	16.88	18.60
10	QPSK	25	25	17.10	17.25	17.07	18.60
10	QPSK	50	0	17.33	17.35	17.21	18.60
10	16QAM	1	0	17.27	17.45	17.26	18.60
10	16QAM	1	25	17.25	17.35	17.19	18.60
10	16QAM	1	49	17.19	17.28	17.06	18.60
10	16QAM	25	0	16.97	17.16	17.12	18.60
10	16QAM	25	12	16.92	17.10	17.10	18.60
10	16QAM	25	25	17.12	17.25	16.98	18.60
10	16QAM	50	0	17.11	17.28	17.28	18.60
10	64QAM	1	0	17.05	17.25	17.24	18.60
10	64QAM	1	25	17.03	17.13	17.03	18.60
10	64QAM	1	49	17.19	17.34	17.14	18.60
10	64QAM	25	0	17.05	17.17	17.06	18.60
10	64QAM	25	12	16.84	16.98	17.03	18.60
10	64QAM	25	25	17.10	17.24	17.09	18.60
10	64QAM	50	0	16.99	17.00	16.96	18.60
10	256QAM	1	0	17.29	17.36	17.24	18.60
10	256QAM	1	25	17.09	17.30	17.19	18.60
10	256QAM	1	49	17.13	17.20	17.13	18.60
10	256QAM	25	0	17.21	17.31	17.19	18.60
10	256QAM	25	12	17.03	17.18	17.04	18.60
10	256QAM	25	25	17.29	17.26	17.18	18.60
10	256QAM	50	0	17.18	17.32	17.07	18.60
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	17.41	17.46	17.41	18.60
5	QPSK	1	12	16.90	17.13	16.98	18.60
5	QPSK	1	24	17.10	17.17	17.09	18.60
5	QPSK	12	0	17.41	17.36	17.31	18.60
5	QPSK	12	7	16.99	17.07	17.02	18.60
5	QPSK	12	13	17.08	17.30	17.07	18.60
5	QPSK	25	0	17.26	17.32	17.31	18.60



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5	16QAM	1	0	17.26	17.43	17.23	18.60
5	16QAM	1	12	17.36	17.30	17.16	18.60
5	16QAM	1	24	17.25	17.19	17.06	18.60
5	16QAM	12	0	16.95	17.20	17.01	18.60
5	16QAM	12	7	16.91	17.19	17.06	18.60
5	16QAM	12	13	17.19	17.20	16.97	18.60
5	16QAM	25	0	17.18	17.30	17.18	18.60
5	64QAM	1	0	17.11	17.21	17.19	18.60
5	64QAM	1	12	17.01	17.17	17.15	18.60
5	64QAM	1	24	17.11	17.30	17.20	18.60
5	64QAM	12	0	17.13	17.20	17.12	18.60
5	64QAM	12	7	16.87	16.99	16.94	18.60
5	64QAM	12	13	17.10	17.12	17.10	18.60
5	64QAM	25	0	17.02	17.01	16.90	18.60
5	256QAM	1	0	17.21	17.28	17.22	18.60
5	256QAM	1	12	17.06	17.20	17.17	18.60
5	256QAM	1	24	17.11	17.22	17.10	18.60
5	256QAM	12	0	17.08	17.35	17.29	18.60
5	256QAM	12	7	17.07	17.11	17.07	18.60
5	256QAM	12	13	17.21	17.32	17.26	18.60
5	256QAM	25	0	17.17	17.22	17.07	18.60

【LTE Band 38_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		23.31		24.00
20	QPSK	1	49		23.05		24.00
20	QPSK	1	99		23.09		24.00
20	QPSK	50	0		22.35		23.00
20	QPSK	50	24		22.17		23.00
20	QPSK	50	50		22.10		23.00
20	QPSK	100	0		22.21		23.00
20	16QAM	1	0		22.15		23.00
20	16QAM	1	49		22.17		23.00
20	16QAM	1	99		22.30		23.00
20	16QAM	50	0		21.21		22.00
20	16QAM	50	24		21.16		22.00
20	16QAM	50	50		21.31		22.00
20	16QAM	100	0		21.28		22.00
20	64QAM	1	0		21.16		22.00
20	64QAM	1	49		21.13		22.00
20	64QAM	1	99		21.10		22.00
20	64QAM	50	0		20.11		21.00
20	64QAM	50	24		20.25		21.00
20	64QAM	50	50		20.12		21.00
20	64QAM	100	0		20.33		21.00
20	256QAM	1	0		18.20		19.00
20	256QAM	1	49		18.31		19.00
20	256QAM	1	99		18.29		19.00
20	256QAM	50	0		18.24		19.00
20	256QAM	50	24		18.15		19.00
20	256QAM	50	50		18.12		19.00
20	256QAM	100	0		18.13		19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.14	23.28	23.18	24.00
15	QPSK	1	37	22.94	22.97	22.85	24.00
15	QPSK	1	74	22.90	23.04	22.89	24.00
15	QPSK	36	0	22.23	22.30	22.11	23.00
15	QPSK	36	20	22.02	22.03	21.85	23.00
15	QPSK	36	39	22.01	21.99	21.79	23.00
15	QPSK	75	0	21.95	22.13	21.87	23.00
15	16QAM	1	0	21.98	22.07	21.90	23.00
15	16QAM	1	37	21.93	22.03	21.87	23.00
15	16QAM	1	74	22.15	22.27	22.04	23.00
15	16QAM	36	0	21.03	21.15	21.00	22.00
15	16QAM	36	20	20.95	21.03	20.88	22.00
15	16QAM	36	39	21.16	21.20	21.09	22.00
15	16QAM	75	0	21.08	21.24	21.02	22.00
15	64QAM	1	0	21.01	21.07	21.00	22.00
15	64QAM	1	37	20.96	21.04	20.88	22.00



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15	64QAM	1	74	20.85	21.00	20.84	22.00
15	64QAM	36	0	19.92	19.97	19.92	21.00
15	64QAM	36	20	20.09	20.13	20.09	21.00
15	64QAM	36	39	19.83	19.99	19.97	21.00
15	64QAM	75	0	20.25	20.25	20.15	21.00
15	256QAM	1	0	17.97	18.06	17.98	19.00
15	256QAM	1	37	18.16	18.27	18.06	19.00
15	256QAM	1	74	18.04	18.26	18.02	19.00
15	256QAM	36	0	18.11	18.18	18.08	19.00
15	256QAM	36	20	18.04	18.03	17.98	19.00
15	256QAM	36	39	17.95	18.01	17.91	19.00
15	256QAM	75	0	17.90	18.00	17.97	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.17	23.29	23.13	24.00
10	QPSK	1	25	22.85	23.02	22.80	24.00
10	QPSK	1	49	22.93	23.08	22.84	24.00
10	QPSK	25	0	22.24	22.21	22.13	23.00
10	QPSK	25	12	22.09	22.14	21.98	23.00
10	QPSK	25	25	21.98	22.00	21.79	23.00
10	QPSK	50	0	22.01	22.12	22.00	23.00
10	16QAM	1	0	22.09	22.08	21.98	23.00
10	16QAM	1	25	22.00	22.13	21.91	23.00
10	16QAM	1	49	22.08	22.18	22.15	23.00
10	16QAM	25	0	21.11	21.16	21.00	22.00
10	16QAM	25	12	20.98	21.03	20.86	22.00
10	16QAM	25	25	21.18	21.17	21.10	22.00
10	16QAM	50	0	21.15	21.15	21.12	22.00
10	64QAM	1	0	20.90	21.07	20.99	22.00
10	64QAM	1	25	20.95	21.01	20.84	22.00
10	64QAM	1	49	20.94	21.04	20.80	22.00
10	64QAM	25	0	19.99	19.98	19.89	21.00
10	64QAM	25	12	20.08	20.14	20.10	21.00
10	64QAM	25	25	19.88	20.05	19.96	21.00
10	64QAM	50	0	20.24	20.24	20.15	21.00
10	256QAM	1	0	18.08	18.14	18.00	19.00
10	256QAM	1	25	18.12	18.18	18.08	19.00
10	256QAM	1	49	18.05	18.28	18.03	19.00
10	256QAM	25	0	18.10	18.22	18.08	19.00
10	256QAM	25	12	18.04	18.03	17.98	19.00
10	256QAM	25	25	17.92	17.98	17.84	19.00
10	256QAM	50	0	17.86	18.01	17.93	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.17	23.27	23.13	24.00
5	QPSK	1	12	22.90	22.96	22.81	24.00
5	QPSK	1	24	22.92	23.07	22.92	24.00
5	QPSK	12	0	22.23	22.24	22.17	23.00
5	QPSK	12	7	22.11	22.09	21.92	23.00
5	QPSK	12	13	21.96	21.97	21.91	23.00
5	QPSK	25	0	21.99	22.09	21.96	23.00
5	16QAM	1	0	21.96	22.04	21.92	23.00
5	16QAM	1	12	21.97	22.09	21.90	23.00
5	16QAM	1	24	22.11	22.25	22.03	23.00
5	16QAM	12	0	21.06	21.07	21.09	22.00
5	16QAM	12	7	20.88	21.14	20.95	22.00
5	16QAM	12	13	21.15	21.29	21.15	22.00
5	16QAM	25	0	21.10	21.19	21.08	22.00
5	64QAM	1	0	20.98	21.15	20.94	22.00
5	64QAM	1	12	20.99	21.08	20.88	22.00
5	64QAM	1	24	20.91	21.05	20.85	22.00
5	64QAM	12	0	19.99	20.04	19.85	21.00
5	64QAM	12	7	20.06	20.12	20.14	21.00
5	64QAM	12	13	19.83	20.03	19.91	21.00
5	64QAM	25	0	20.27	20.31	20.08	21.00
5	256QAM	1	0	18.09	18.13	18.06	19.00
5	256QAM	1	12	18.13	18.17	18.03	19.00
5	256QAM	1	24	18.12	18.14	18.00	19.00
5	256QAM	12	0	18.15	18.23	17.99	19.00
5	256QAM	12	7	18.00	18.03	17.88	19.00
5	256QAM	12	13	17.85	18.03	17.84	19.00
5	256QAM	25	0	17.83	18.03	18.03	19.00

**【LTE Band 38_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					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		21.96		23.00
20	QPSK	1	49		21.76		23.00
20	QPSK	1	99		21.65		23.00
20	QPSK	50	0		20.96		22.00
20	QPSK	50	24		20.75		22.00
20	QPSK	50	50		20.86		22.00
20	QPSK	100	0		20.92		22.00
20	16QAM	1	0		20.78		22.00
20	16QAM	1	49		20.83		22.00
20	16QAM	1	99		20.84		22.00
20	16QAM	50	0		19.88		21.00
20	16QAM	50	24		19.93		21.00
20	16QAM	50	50		19.92		21.00
20	16QAM	100	0		19.94		21.00
20	64QAM	1	0		19.84		21.00
20	64QAM	1	49		19.96		21.00
20	64QAM	1	99		19.88		21.00
20	64QAM	50	0		18.86		20.00
20	64QAM	50	24		18.80		20.00
20	64QAM	50	50		18.83		20.00
20	64QAM	100	0		18.97		20.00
20	256QAM	1	0		16.82		18.00
20	256QAM	1	49		16.86		18.00
20	256QAM	1	99		16.91		18.00
20	256QAM	50	0		16.79		18.00
20	256QAM	50	24		16.97		18.00
20	256QAM	50	50		16.85		18.00
20	256QAM	100	0		16.81		18.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	21.86	21.90	21.74	23.00
15	QPSK	1	37	21.58	21.73	21.39	23.00
15	QPSK	1	74	21.49	21.59	21.51	23.00
15	QPSK	36	0	20.83	20.83	20.90	22.00
15	QPSK	36	20	20.50	20.61	20.60	22.00
15	QPSK	36	39	20.62	20.82	20.57	22.00
15	QPSK	75	0	20.72	20.89	20.62	22.00
15	16QAM	1	0	20.60	20.67	20.51	22.00
15	16QAM	1	37	20.71	20.73	20.63	22.00
15	16QAM	1	74	20.68	20.80	20.59	22.00
15	16QAM	36	0	19.77	19.75	19.64	21.00
15	16QAM	36	20	19.82	19.83	19.71	21.00
15	16QAM	36	39	19.73	19.81	19.62	21.00
15	16QAM	75	0	19.76	19.86	19.64	21.00
15	64QAM	1	0	19.72	19.77	19.62	21.00
15	64QAM	1	37	19.78	19.84	19.63	21.00
15	64QAM	1	74	19.72	19.84	19.54	21.00
15	64QAM	36	0	18.57	18.85	18.62	20.00
15	64QAM	36	20	18.58	18.79	18.59	20.00
15	64QAM	36	39	18.59	18.71	18.61	20.00
15	64QAM	75	0	18.79	18.85	18.67	20.00
15	256QAM	1	0	16.52	16.70	16.66	18.00
15	256QAM	1	37	16.65	16.74	16.68	18.00
15	256QAM	1	74	16.69	16.88	16.64	18.00
15	256QAM	36	0	16.51	16.75	16.62	18.00
15	256QAM	36	20	16.85	16.91	16.72	18.00
15	256QAM	36	39	16.69	16.73	16.73	18.00
15	256QAM	75	0	16.68	16.77	16.58	18.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	21.82	21.85	21.79	23.00
10	QPSK	1	25	21.62	21.62	21.50	23.00
10	QPSK	1	49	21.49	21.54	21.45	23.00
10	QPSK	25	0	20.90	20.86	20.91	22.00
10	QPSK	25	12	20.57	20.64	20.59	22.00
10	QPSK	25	25	20.64	20.73	20.62	22.00
10	QPSK	50	0	20.72	20.80	20.68	22.00
10	16QAM	1	0	20.58	20.71	20.55	22.00
10	16QAM	1	25	20.62	20.76	20.62	22.00
10	16QAM	1	49	20.62	20.69	20.57	22.00



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10	16QAM	25	0	19.71	19.78	19.66	21.00
10	16QAM	25	12	19.82	19.88	19.72	21.00
10	16QAM	25	25	19.83	19.87	19.70	21.00
10	16QAM	50	0	19.76	19.84	19.60	21.00
10	64QAM	1	0	19.66	19.76	19.55	21.00
10	64QAM	1	25	19.70	19.93	19.67	21.00
10	64QAM	1	49	19.76	19.79	19.64	21.00
10	64QAM	25	0	18.58	18.77	18.64	20.00
10	64QAM	25	12	18.50	18.67	18.69	20.00
10	64QAM	25	25	18.60	18.82	18.58	20.00
10	64QAM	50	0	18.75	18.86	18.65	20.00
10	256QAM	1	0	16.55	16.73	16.63	18.00
10	256QAM	1	25	16.58	16.82	16.61	18.00
10	256QAM	1	49	16.78	16.80	16.66	18.00
10	256QAM	25	0	16.57	16.72	16.55	18.00
10	256QAM	25	12	16.79	16.85	16.81	18.00
10	256QAM	25	25	16.71	16.77	16.68	18.00
10	256QAM	50	0	16.69	16.74	16.48	18.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.82	21.92	21.86	23.00
5	QPSK	1	12	21.52	21.62	21.41	23.00
5	QPSK	1	24	21.51	21.61	21.44	23.00
5	QPSK	12	0	20.85	20.86	20.85	22.00
5	QPSK	12	7	20.50	20.61	20.60	22.00
5	QPSK	12	13	20.59	20.80	20.57	22.00
5	QPSK	25	0	20.73	20.80	20.56	22.00
5	16QAM	1	0	20.47	20.71	20.59	22.00
5	16QAM	1	12	20.67	20.73	20.50	22.00
5	16QAM	1	24	20.72	20.72	20.52	22.00
5	16QAM	12	0	19.75	19.79	19.62	21.00
5	16QAM	12	7	19.74	19.91	19.79	21.00
5	16QAM	12	13	19.75	19.88	19.67	21.00
5	16QAM	25	0	19.74	19.93	19.72	21.00
5	64QAM	1	0	19.65	19.82	19.49	21.00
5	64QAM	1	12	19.78	19.85	19.66	21.00
5	64QAM	1	24	19.66	19.74	19.60	21.00
5	64QAM	12	0	18.64	18.80	18.60	20.00
5	64QAM	12	7	18.59	18.65	18.60	20.00
5	64QAM	12	13	18.63	18.75	18.52	20.00
5	64QAM	25	0	18.68	18.87	18.66	20.00
5	256QAM	1	0	16.54	16.67	16.72	18.00
5	256QAM	1	12	16.63	16.75	16.59	18.00
5	256QAM	1	24	16.76	16.84	16.66	18.00
5	256QAM	12	0	16.48	16.72	16.57	18.00
5	256QAM	12	7	16.86	16.87	16.77	18.00
5	256QAM	12	13	16.69	16.76	16.71	18.00
5	256QAM	25	0	16.60	16.73	16.59	18.00

【LTE Band 38_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		21.96		23.00
20	QPSK	1	49		21.76		23.00
20	QPSK	1	99		21.65		23.00
20	QPSK	50	0		20.96		22.00
20	QPSK	50	24		20.75		22.00
20	QPSK	50	50		20.86		22.00
20	QPSK	100	0		20.92		22.00
20	16QAM	1	0		20.78		22.00
20	16QAM	1	49		20.83		22.00
20	16QAM	1	99		20.84		22.00
20	16QAM	50	0		19.88		21.00
20	16QAM	50	24		19.93		21.00
20	16QAM	50	50		19.92		21.00
20	16QAM	100	0		19.94		21.00
20	64QAM	1	0		19.84		21.00
20	64QAM	1	49		19.96		21.00
20	64QAM	1	99		19.88		21.00
20	64QAM	50	0		18.86		20.00
20	64QAM	50	24		18.80		20.00



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20	64QAM	50	50		18.83		20.00
20	64QAM	100	0		18.97		20.00
20	256QAM	1	0		16.82		18.00
20	256QAM	1	49		16.86		18.00
20	256QAM	1	99		16.91		18.00
20	256QAM	50	0		16.79		18.00
20	256QAM	50	24		16.97		18.00
20	256QAM	50	50		16.85		18.00
20	256QAM	100	0		16.81		18.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	21.86	21.90	21.74	23.00
15	QPSK	1	37	21.58	21.73	21.39	23.00
15	QPSK	1	74	21.49	21.59	21.51	23.00
15	QPSK	36	0	20.83	20.83	20.90	22.00
15	QPSK	36	20	20.50	20.61	20.60	22.00
15	QPSK	36	39	20.62	20.82	20.57	22.00
15	QPSK	75	0	20.72	20.89	20.62	22.00
15	16QAM	1	0	20.60	20.67	20.51	22.00
15	16QAM	1	37	20.71	20.73	20.63	22.00
15	16QAM	1	74	20.68	20.80	20.59	22.00
15	16QAM	36	0	19.77	19.75	19.64	21.00
15	16QAM	36	20	19.82	19.83	19.71	21.00
15	16QAM	36	39	19.73	19.81	19.62	21.00
15	16QAM	75	0	19.76	19.86	19.64	21.00
15	64QAM	1	0	19.72	19.77	19.62	21.00
15	64QAM	1	37	19.78	19.84	19.63	21.00
15	64QAM	1	74	19.72	19.84	19.54	21.00
15	64QAM	36	0	18.57	18.85	18.62	20.00
15	64QAM	36	20	18.58	18.79	18.59	20.00
15	64QAM	36	39	18.59	18.71	18.61	20.00
15	64QAM	75	0	18.79	18.85	18.67	20.00
15	256QAM	1	0	16.52	16.70	16.66	18.00
15	256QAM	1	37	16.65	16.74	16.68	18.00
15	256QAM	1	74	16.69	16.88	16.64	18.00
15	256QAM	36	0	16.51	16.75	16.62	18.00
15	256QAM	36	20	16.85	16.91	16.72	18.00
15	256QAM	36	39	16.69	16.73	16.73	18.00
15	256QAM	75	0	16.68	16.77	16.58	18.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	21.82	21.85	21.79	23.00
10	QPSK	1	25	21.62	21.62	21.50	23.00
10	QPSK	1	49	21.49	21.54	21.45	23.00
10	QPSK	25	0	20.90	20.86	20.91	22.00
10	QPSK	25	12	20.57	20.64	20.59	22.00
10	QPSK	25	25	20.64	20.73	20.62	22.00
10	QPSK	50	0	20.72	20.80	20.68	22.00
10	16QAM	1	0	20.58	20.71	20.55	22.00
10	16QAM	1	25	20.62	20.76	20.62	22.00
10	16QAM	1	49	20.62	20.69	20.57	22.00
10	16QAM	25	0	19.71	19.78	19.66	21.00
10	16QAM	25	12	19.82	19.88	19.72	21.00
10	16QAM	25	25	19.83	19.87	19.70	21.00
10	16QAM	50	0	19.76	19.84	19.60	21.00
10	64QAM	1	0	19.66	19.76	19.55	21.00
10	64QAM	1	25	19.70	19.93	19.67	21.00
10	64QAM	1	49	19.76	19.79	19.64	21.00
10	64QAM	25	0	18.58	18.77	18.64	20.00
10	64QAM	25	12	18.50	18.67	18.69	20.00
10	64QAM	25	25	18.60	18.82	18.58	20.00
10	64QAM	50	0	18.75	18.86	18.65	20.00
10	256QAM	1	0	16.55	16.73	16.63	18.00
10	256QAM	1	25	16.58	16.82	16.61	18.00
10	256QAM	1	49	16.78	16.80	16.66	18.00
10	256QAM	25	0	16.57	16.72	16.55	18.00
10	256QAM	25	12	16.79	16.85	16.81	18.00
10	256QAM	25	25	16.71	16.77	16.68	18.00
10	256QAM	50	0	16.69	16.74	16.48	18.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	21.82	21.92	21.86	23.00
5	QPSK	1	12	21.52	21.62	21.41	23.00
5	QPSK	1	24	21.51	21.61	21.44	23.00
5	QPSK	12	0	20.85	20.86	20.85	22.00
5	QPSK	12	7	20.50	20.61	20.60	22.00
5	QPSK	12	13	20.59	20.80	20.57	22.00
5	QPSK	25	0	20.73	20.80	20.56	22.00



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5	16QAM	1	0	20.47	20.71	20.59	22.00
5	16QAM	1	12	20.67	20.73	20.50	22.00
5	16QAM	1	24	20.72	20.72	20.52	22.00
5	16QAM	12	0	19.75	19.79	19.62	21.00
5	16QAM	12	7	19.74	19.91	19.79	21.00
5	16QAM	12	13	19.75	19.88	19.67	21.00
5	16QAM	25	0	19.74	19.93	19.72	21.00
5	64QAM	1	0	19.65	19.82	19.49	21.00
5	64QAM	1	12	19.78	19.85	19.66	21.00
5	64QAM	1	24	19.66	19.74	19.60	21.00
5	64QAM	12	0	18.64	18.80	18.60	20.00
5	64QAM	12	7	18.59	18.65	18.60	20.00
5	64QAM	12	13	18.63	18.75	18.52	20.00
5	64QAM	25	0	18.68	18.87	18.66	20.00
5	256QAM	1	0	16.54	16.67	16.72	18.00
5	256QAM	1	12	16.63	16.75	16.59	18.00
5	256QAM	1	24	16.76	16.84	16.66	18.00
5	256QAM	12	0	16.48	16.72	16.57	18.00
5	256QAM	12	7	16.86	16.87	16.77	18.00
5	256QAM	12	13	16.69	16.76	16.71	18.00
5	256QAM	25	0	16.60	16.73	16.59	18.00

【LTE Band 38_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		20.46		21.50
20	QPSK	1	49		20.27		21.50
20	QPSK	1	99		20.27		21.50
20	QPSK	50	0		19.92		21.50
20	QPSK	50	24		19.82		21.50
20	QPSK	50	50		19.91		21.50
20	QPSK	100	0		19.93		21.50
20	16QAM	1	0		19.87		21.50
20	16QAM	1	49		19.80		21.50
20	16QAM	1	99		19.90		21.50
20	16QAM	50	0		19.81		21.00
20	16QAM	50	24		19.88		21.00
20	16QAM	50	50		19.73		21.00
20	16QAM	100	0		19.82		21.00
20	64QAM	1	0		19.93		21.00
20	64QAM	1	49		19.72		21.00
20	64QAM	1	99		19.95		21.00
20	64QAM	50	0		18.80		20.00
20	64QAM	50	24		18.83		20.00
20	64QAM	50	50		18.85		20.00
20	64QAM	100	0		18.69		20.00
20	256QAM	1	0		16.80		18.00
20	256QAM	1	49		16.76		18.00
20	256QAM	1	99		16.73		18.00
20	256QAM	50	0		16.94		18.00
20	256QAM	50	24		16.93		18.00
20	256QAM	50	50		16.84		18.00
20	256QAM	100	0		16.92		18.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	20.28	20.42	20.37	21.50
15	QPSK	1	37	20.00	20.17	20.03	21.50
15	QPSK	1	74	20.06	20.19	20.10	21.50
15	QPSK	36	0	19.72	19.86	19.71	21.50
15	QPSK	36	20	19.53	19.79	19.57	21.50
15	QPSK	36	39	19.70	19.81	19.60	21.50
15	QPSK	75	0	19.70	19.88	19.67	21.50
15	16QAM	1	0	19.72	19.76	19.72	21.50
15	16QAM	1	37	19.58	19.73	19.62	21.50
15	16QAM	1	74	19.81	19.79	19.65	21.50
15	16QAM	36	0	19.65	19.68	19.70	21.00
15	16QAM	36	20	19.67	19.73	19.71	21.00
15	16QAM	36	39	19.43	19.66	19.45	21.00
15	16QAM	75	0	19.64	19.79	19.62	21.00
15	64QAM	1	0	19.62	19.79	19.70	21.00
15	64QAM	1	37	19.45	19.69	19.59	21.00



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15	64QAM	1	74	19.80	19.89	19.63	21.00
15	64QAM	36	0	18.61	18.69	18.71	20.00
15	64QAM	36	20	18.61	18.71	18.60	20.00
15	64QAM	36	39	18.64	18.70	18.74	20.00
15	64QAM	75	0	18.43	18.66	18.51	20.00
15	256QAM	1	0	16.67	16.71	16.62	18.00
15	256QAM	1	37	16.47	16.61	16.57	18.00
15	256QAM	1	74	16.58	16.70	16.54	18.00
15	256QAM	36	0	16.79	16.85	16.76	18.00
15	256QAM	36	20	16.80	16.79	16.77	18.00
15	256QAM	36	39	16.64	16.81	16.62	18.00
15	256QAM	75	0	16.66	16.86	16.82	18.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.37	20.37	20.37	21.50
10	QPSK	1	25	20.07	20.21	20.02	21.50
10	QPSK	1	49	19.99	20.25	20.06	21.50
10	QPSK	25	0	19.66	19.86	19.71	21.50
10	QPSK	25	12	19.51	19.68	19.67	21.50
10	QPSK	25	25	19.66	19.89	19.61	21.50
10	QPSK	50	0	19.78	19.79	19.71	21.50
10	16QAM	1	0	19.60	19.85	19.62	21.50
10	16QAM	1	25	19.59	19.74	19.65	21.50
10	16QAM	1	49	19.71	19.88	19.61	21.50
10	16QAM	25	0	19.55	19.71	19.70	21.00
10	16QAM	25	12	19.69	19.79	19.76	21.00
10	16QAM	25	25	19.39	19.60	19.53	21.00
10	16QAM	50	0	19.68	19.75	19.60	21.00
10	64QAM	1	0	19.66	19.88	19.71	21.00
10	64QAM	1	25	19.57	19.69	19.48	21.00
10	64QAM	1	49	19.76	19.85	19.71	21.00
10	64QAM	25	0	18.52	18.72	18.59	20.00
10	64QAM	25	12	18.58	18.73	18.61	20.00
10	64QAM	25	25	18.63	18.70	18.76	20.00
10	64QAM	50	0	18.39	18.59	18.46	20.00
10	256QAM	1	0	16.68	16.78	16.69	18.00
10	256QAM	1	25	16.46	16.67	16.55	18.00
10	256QAM	1	49	16.58	16.64	16.60	18.00
10	256QAM	25	0	16.79	16.84	16.70	18.00
10	256QAM	25	12	16.83	16.85	16.80	18.00
10	256QAM	25	25	16.62	16.82	16.71	18.00
10	256QAM	50	0	16.70	16.88	16.71	18.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.29	20.44	20.33	21.50
5	QPSK	1	12	20.00	20.23	20.08	21.50
5	QPSK	1	24	20.02	20.14	20.08	21.50
5	QPSK	12	0	19.67	19.83	19.63	21.50
5	QPSK	12	7	19.59	19.75	19.64	21.50
5	QPSK	12	13	19.62	19.88	19.65	21.50
5	QPSK	25	0	19.80	19.79	19.74	21.50
5	16QAM	1	0	19.65	19.75	19.65	21.50
5	16QAM	1	12	19.55	19.66	19.62	21.50
5	16QAM	1	24	19.69	19.86	19.70	21.50
5	16QAM	12	0	19.67	19.76	19.70	21.00
5	16QAM	12	7	19.68	19.77	19.65	21.00
5	16QAM	12	13	19.41	19.70	19.50	21.00
5	16QAM	25	0	19.64	19.74	19.64	21.00
5	64QAM	1	0	19.71	19.79	19.69	21.00
5	64QAM	1	12	19.56	19.62	19.53	21.00
5	64QAM	1	24	19.72	19.86	19.74	21.00
5	64QAM	12	0	18.61	18.70	18.63	20.00
5	64QAM	12	7	18.59	18.75	18.56	20.00
5	64QAM	12	13	18.75	18.82	18.66	20.00
5	64QAM	25	0	18.45	18.56	18.43	20.00
5	256QAM	1	0	16.58	16.75	16.69	18.00
5	256QAM	1	12	16.46	16.68	16.49	18.00
5	256QAM	1	24	16.54	16.63	16.60	18.00
5	256QAM	12	0	16.76	16.87	16.72	18.00
5	256QAM	12	7	16.81	16.81	16.71	18.00
5	256QAM	12	13	16.65	16.75	16.63	18.00
5	256QAM	25	0	16.67	16.88	16.77	18.00

**【LTE Band 38_Ant 4_DSI 6】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		21.96		23.00
20	QPSK	1	49		21.76		23.00
20	QPSK	1	99		21.65		23.00
20	QPSK	50	0		20.96		22.00
20	QPSK	50	24		20.75		22.00
20	QPSK	50	50		20.86		22.00
20	QPSK	100	0		20.92		22.00
20	16QAM	1	0		20.78		22.00
20	16QAM	1	49		20.83		22.00
20	16QAM	1	99		20.84		22.00
20	16QAM	50	0		19.88		21.00
20	16QAM	50	24		19.93		21.00
20	16QAM	50	50		19.92		21.00
20	16QAM	100	0		19.94		21.00
20	64QAM	1	0		19.84		21.00
20	64QAM	1	49		19.96		21.00
20	64QAM	1	99		19.88		21.00
20	64QAM	50	0		18.86		20.00
20	64QAM	50	24		18.80		20.00
20	64QAM	50	50		18.83		20.00
20	64QAM	100	0		18.97		20.00
20	256QAM	1	0		16.82		18.00
20	256QAM	1	49		16.86		18.00
20	256QAM	1	99		16.91		18.00
20	256QAM	50	0		16.79		18.00
20	256QAM	50	24		16.97		18.00
20	256QAM	50	50		16.85		18.00
20	256QAM	100	0		16.81		18.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	21.86	21.90	21.74	23.00
15	QPSK	1	37	21.58	21.73	21.39	23.00
15	QPSK	1	74	21.49	21.59	21.51	23.00
15	QPSK	36	0	20.83	20.83	20.90	22.00
15	QPSK	36	20	20.50	20.61	20.60	22.00
15	QPSK	36	39	20.62	20.82	20.57	22.00
15	QPSK	75	0	20.72	20.89	20.62	22.00
15	16QAM	1	0	20.60	20.67	20.51	22.00
15	16QAM	1	37	20.71	20.73	20.63	22.00
15	16QAM	1	74	20.68	20.80	20.59	22.00
15	16QAM	36	0	19.77	19.75	19.64	21.00
15	16QAM	36	20	19.82	19.83	19.71	21.00
15	16QAM	36	39	19.73	19.81	19.62	21.00
15	16QAM	75	0	19.76	19.86	19.64	21.00
15	64QAM	1	0	19.72	19.77	19.62	21.00
15	64QAM	1	37	19.78	19.84	19.63	21.00
15	64QAM	1	74	19.72	19.84	19.54	21.00
15	64QAM	36	0	18.57	18.85	18.62	20.00
15	64QAM	36	20	18.58	18.79	18.59	20.00
15	64QAM	36	39	18.59	18.71	18.61	20.00
15	64QAM	75	0	18.79	18.85	18.67	20.00
15	256QAM	1	0	16.52	16.70	16.66	18.00
15	256QAM	1	37	16.65	16.74	16.68	18.00
15	256QAM	1	74	16.69	16.88	16.64	18.00
15	256QAM	36	0	16.51	16.75	16.62	18.00
15	256QAM	36	20	16.85	16.91	16.72	18.00
15	256QAM	36	39	16.69	16.73	16.73	18.00
15	256QAM	75	0	16.68	16.77	16.58	18.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	21.82	21.85	21.79	23.00
10	QPSK	1	25	21.62	21.62	21.50	23.00
10	QPSK	1	49	21.49	21.54	21.45	23.00
10	QPSK	25	0	20.90	20.86	20.91	22.00
10	QPSK	25	12	20.57	20.64	20.59	22.00
10	QPSK	25	25	20.64	20.73	20.62	22.00
10	QPSK	50	0	20.72	20.80	20.68	22.00
10	16QAM	1	0	20.58	20.71	20.55	22.00
10	16QAM	1	25	20.62	20.76	20.62	22.00
10	16QAM	1	49	20.62	20.69	20.57	22.00



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10	16QAM	25	0	19.71	19.78	19.66	21.00
10	16QAM	25	12	19.82	19.88	19.72	21.00
10	16QAM	25	25	19.83	19.87	19.70	21.00
10	16QAM	50	0	19.76	19.84	19.60	21.00
10	64QAM	1	0	19.66	19.76	19.55	21.00
10	64QAM	1	25	19.70	19.93	19.67	21.00
10	64QAM	1	49	19.76	19.79	19.64	21.00
10	64QAM	25	0	18.58	18.77	18.64	20.00
10	64QAM	25	12	18.50	18.67	18.69	20.00
10	64QAM	25	25	18.60	18.82	18.58	20.00
10	64QAM	50	0	18.75	18.86	18.65	20.00
10	256QAM	1	0	16.55	16.73	16.63	18.00
10	256QAM	1	25	16.58	16.82	16.61	18.00
10	256QAM	1	49	16.78	16.80	16.66	18.00
10	256QAM	25	0	16.57	16.72	16.55	18.00
10	256QAM	25	12	16.79	16.85	16.81	18.00
10	256QAM	25	25	16.71	16.77	16.68	18.00
10	256QAM	50	0	16.69	16.74	16.48	18.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.82	21.92	21.86	23.00
5	QPSK	1	12	21.52	21.62	21.41	23.00
5	QPSK	1	24	21.51	21.61	21.44	23.00
5	QPSK	12	0	20.85	20.86	20.85	22.00
5	QPSK	12	7	20.50	20.61	20.60	22.00
5	QPSK	12	13	20.59	20.80	20.57	22.00
5	QPSK	25	0	20.73	20.80	20.56	22.00
5	16QAM	1	0	20.47	20.71	20.59	22.00
5	16QAM	1	12	20.67	20.73	20.50	22.00
5	16QAM	1	24	20.72	20.72	20.52	22.00
5	16QAM	12	0	19.75	19.79	19.62	21.00
5	16QAM	12	7	19.74	19.91	19.79	21.00
5	16QAM	12	13	19.75	19.88	19.67	21.00
5	16QAM	25	0	19.74	19.93	19.72	21.00
5	64QAM	1	0	19.65	19.82	19.49	21.00
5	64QAM	1	12	19.78	19.85	19.66	21.00
5	64QAM	1	24	19.66	19.74	19.60	21.00
5	64QAM	12	0	18.64	18.80	18.60	20.00
5	64QAM	12	7	18.59	18.65	18.60	20.00
5	64QAM	12	13	18.63	18.75	18.52	20.00
5	64QAM	25	0	18.68	18.87	18.66	20.00
5	256QAM	1	0	16.54	16.67	16.72	18.00
5	256QAM	1	12	16.63	16.75	16.59	18.00
5	256QAM	1	24	16.76	16.84	16.66	18.00
5	256QAM	12	0	16.48	16.72	16.57	18.00
5	256QAM	12	7	16.86	16.87	16.77	18.00
5	256QAM	12	13	16.69	16.76	16.71	18.00
5	256QAM	25	0	16.60	16.73	16.59	18.00

【LTE Band 38_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					38000		
Frequency (MHz)					2595		
20	QPSK	1	0		14.68		16.10
20	QPSK	1	49		14.57		16.10
20	QPSK	1	99		14.58		16.10
20	QPSK	50	0		14.57		16.10
20	QPSK	50	24		14.52		16.10
20	QPSK	50	50		14.53		16.10
20	QPSK	100	0		14.57		16.10
20	16QAM	1	0		14.53		16.10
20	16QAM	1	49		14.53		16.10
20	16QAM	1	99		14.55		16.10
20	16QAM	50	0		14.52		16.10
20	16QAM	50	24		14.52		16.10
20	16QAM	50	50		14.56		16.10
20	16QAM	100	0		14.59		16.10
20	64QAM	1	0		14.55		16.10
20	64QAM	1	49		14.50		16.10
20	64QAM	1	99		14.49		16.10
20	64QAM	50	0		14.52		16.10
20	64QAM	50	24		14.53		16.10