

Appendix E. Output Power Measurement

<GSM Conducted Power>

【GSM850_Ant 0_Full Power】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.71	32.66	34.00	23.51	23.71	23.66	25.00
GPRS 1 Tx slot	32.30	32.59	32.55	34.00	23.30	23.59	23.55	25.00
GPRS 2 Tx slots	29.22	29.46	29.46	31.00	23.22	23.46	23.46	25.00
GPRS 3 Tx slots	27.26	27.67	27.65	29.20	23.00	23.41	23.39	24.94
GPRS 4 Tx slots	26.15	26.30	26.28	28.00	23.15	23.30	23.28	25.00
EDGE 1 Tx slot	26.92	27.02	26.76	28.00	17.92	18.02	17.76	19.00
EDGE 2 Tx slots	23.40	23.30	23.73	25.00	17.40	17.30	17.73	19.00
EDGE 3 Tx slots	21.83	21.53	21.71	23.20	17.57	17.27	17.45	18.94
EDGE 4 Tx slots	20.33	20.35	20.12	22.00	17.33	17.35	17.12	19.00

【GSM850_Ant 0_DSI 1】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.71	32.66	34.00	23.51	23.71	23.66	25.00
GPRS 1 Tx slot	32.30	32.59	32.55	34.00	23.30	23.59	23.55	25.00
GPRS 2 Tx slots	29.22	29.46	29.46	31.00	23.22	23.46	23.46	25.00
GPRS 3 Tx slots	27.26	27.67	27.65	29.20	23.00	23.41	23.39	24.94
GPRS 4 Tx slots	26.05	26.25	26.48	28.00	23.05	23.25	23.48	25.00
EDGE 1 Tx slot	26.92	27.02	26.76	28.00	17.92	18.02	17.76	19.00
EDGE 2 Tx slots	23.40	23.30	23.73	25.00	17.40	17.30	17.73	19.00
EDGE 3 Tx slots	21.83	21.53	21.71	23.20	17.57	17.27	17.45	18.94
EDGE 4 Tx slots	20.33	20.35	20.12	22.00	17.33	17.35	17.12	19.00

【GSM850_Ant 0_DSI 3】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.71	32.66	34.00	23.51	23.71	23.66	25.00
GPRS 1 Tx slot	32.30	32.59	32.55	34.00	23.30	23.59	23.55	25.00
GPRS 2 Tx slots	29.22	29.46	29.46	31.00	23.22	23.46	23.46	25.00
GPRS 3 Tx slots	27.26	27.67	27.65	29.20	23.00	23.41	23.39	24.94
GPRS 4 Tx slots	26.15	26.30	26.28	28.00	23.15	23.30	23.28	25.00
EDGE 1 Tx slot	26.92	27.02	26.76	28.00	17.92	18.02	17.76	19.00
EDGE 2 Tx slots	23.40	23.30	23.73	25.00	17.40	17.30	17.73	19.00
EDGE 3 Tx slots	21.83	21.53	21.71	23.20	17.57	17.27	17.45	18.94
EDGE 4 Tx slots	20.33	20.35	20.12	22.00	17.33	17.35	17.12	19.00

【GSM850_Ant 0_DSI 4】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.71	32.66	34.00	23.51	23.71	23.66	25.00
GPRS 1 Tx slot	32.30	32.59	32.55	34.00	23.30	23.59	23.55	25.00
GPRS 2 Tx slots	29.22	29.46	29.46	31.00	23.22	23.46	23.46	25.00
GPRS 3 Tx slots	27.26	27.67	27.65	29.20	23.00	23.41	23.39	24.94
GPRS 4 Tx slots	26.15	26.30	26.28	28.00	23.15	23.30	23.28	25.00
EDGE 1 Tx slot	26.92	27.02	26.76	28.00	17.92	18.02	17.76	19.00
EDGE 2 Tx slots	23.40	23.30	23.73	25.00	17.40	17.30	17.73	19.00
EDGE 3 Tx slots	21.83	21.53	21.71	23.20	17.57	17.27	17.45	18.94
EDGE 4 Tx slots	20.33	20.35	20.12	22.00	17.33	17.35	17.12	19.00

【GSM850_Ant 0_DSI 5】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.71	32.66	34.00	23.51	23.71	23.66	25.00
GPRS 1 Tx slot	32.30	32.59	32.55	34.00	23.30	23.59	23.55	25.00
GPRS 2 Tx slots	29.22	29.46	29.46	31.00	23.22	23.46	23.46	25.00
GPRS 3 Tx slots	27.26	27.67	27.65	29.20	23.00	23.41	23.39	24.94
GPRS 4 Tx slots	26.15	26.30	26.28	28.00	23.15	23.30	23.28	25.00
EDGE 1 Tx slot	26.92	27.02	26.76	28.00	17.92	18.02	17.76	19.00
EDGE 2 Tx slots	23.40	23.30	23.73	25.00	17.40	17.30	17.73	19.00
EDGE 3 Tx slots	21.83	21.53	21.71	23.20	17.57	17.27	17.45	18.94
EDGE 4 Tx slots	20.33	20.35	20.12	22.00	17.33	17.35	17.12	19.00

【GSM850_Ant 1_Full Power】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.95	33.11	33.03	34.50	23.95	24.11	24.03	25.50
GPRS 1 Tx slot	32.81	32.94	32.82	34.50	23.81	23.94	23.82	25.50
GPRS 2 Tx slots	30.12	29.78	29.56	31.50	24.12	23.78	23.56	25.50
GPRS 3 Tx slots	28.20	28.10	27.96	29.70	23.94	23.84	23.70	25.44
GPRS 4 Tx slots	26.70	26.77	26.73	28.50	23.70	23.77	23.73	25.50
EDGE 1 Tx slot	27.55	27.25	27.21	28.50	18.55	18.25	18.21	19.50
EDGE 2 Tx slots	24.03	23.91	24.00	25.50	18.03	17.91	18.00	19.50
EDGE 3 Tx slots	22.32	22.35	22.35	23.70	18.06	18.09	18.09	19.44
EDGE 4 Tx slots	21.00	20.88	20.71	22.50	18.00	17.88	17.71	19.50

【GSM850_Ant 1_DSI 1】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.63	27.69	27.66	29.50	18.63	18.69	18.66	20.50
GPRS 1 Tx slot	28.01	28.05	27.92	29.50	19.01	19.05	18.92	20.50
GPRS 2 Tx slots	24.45	25.15	25.11	26.50	18.45	19.15	19.11	20.50
GPRS 3 Tx slots	23.54	23.85	23.83	24.70	19.28	19.59	19.57	20.44
GPRS 4 Tx slots	22.09	22.16	21.93	23.50	19.09	19.16	18.93	20.50
EDGE 1 Tx slot	27.55	27.25	27.21	28.50	18.55	18.25	18.21	19.50
EDGE 2 Tx slots	24.03	23.91	24.00	25.50	18.03	17.91	18.00	19.50
EDGE 3 Tx slots	22.32	22.35	22.35	23.70	18.06	18.09	18.09	19.44
EDGE 4 Tx slots	21.00	20.88	20.71	22.50	18.00	17.88	17.71	19.50

【GSM850_Ant 1_DSI 3】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	29.03	29.03	28.99	30.50	20.03	20.03	19.99	21.50
GPRS 1 Tx slot	28.92	28.88	28.84	30.50	19.92	19.88	19.84	21.50
GPRS 2 Tx slots	26.20	25.79	25.53	27.50	20.20	19.79	19.53	21.50
GPRS 3 Tx slots	24.25	24.07	24.00	25.70	19.99	19.81	19.74	21.44
GPRS 4 Tx slots	22.86	22.93	22.92	24.50	19.86	19.93	19.92	21.50
EDGE 1 Tx slot	27.55	27.25	27.21	28.50	18.55	18.25	18.21	19.50
EDGE 2 Tx slots	24.03	23.91	24.00	25.50	18.03	17.91	18.00	19.50
EDGE 3 Tx slots	22.32	22.35	22.35	23.70	18.06	18.09	18.09	19.44
EDGE 4 Tx slots	21.00	20.88	20.71	22.50	18.00	17.88	17.71	19.50

【GSM850_Ant 1_DSI 4】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.95	33.11	33.03	34.50	23.95	24.11	24.03	25.50
GPRS 1 Tx slot	32.81	32.94	32.82	34.50	23.81	23.94	23.82	25.50
GPRS 2 Tx slots	30.12	29.78	29.56	31.50	24.12	23.78	23.56	25.50
GPRS 3 Tx slots	28.20	28.10	27.96	29.70	23.94	23.84	23.70	25.44
GPRS 4 Tx slots	26.70	26.77	26.73	28.50	23.70	23.77	23.73	25.50
EDGE 1 Tx slot	27.55	27.25	27.21	28.50	18.55	18.25	18.21	19.50
EDGE 2 Tx slots	24.03	23.91	24.00	25.50	18.03	17.91	18.00	19.50
EDGE 3 Tx slots	22.32	22.35	22.35	23.70	18.06	18.09	18.09	19.44
EDGE 4 Tx slots	21.00	20.88	20.71	22.50	18.00	17.88	17.71	19.50

【GSM850_Ant 1_DSI 5】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.63	27.69	27.66	29.50	18.63	18.69	18.66	20.50
GPRS 1 Tx slot	28.01	28.05	27.92	29.50	19.01	19.05	18.92	20.50
GPRS 2 Tx slots	24.45	25.15	25.11	26.50	18.45	19.15	19.11	20.50
GPRS 3 Tx slots	23.54	23.85	23.83	24.70	19.28	19.59	19.57	20.44
GPRS 4 Tx slots	22.09	22.16	21.93	23.50	19.09	19.16	18.93	20.50
EDGE 1 Tx slot	27.55	27.25	27.21	28.50	18.55	18.25	18.21	19.50
EDGE 2 Tx slots	24.03	23.91	24.00	25.50	18.03	17.91	18.00	19.50
EDGE 3 Tx slots	22.32	22.35	22.35	23.70	18.06	18.09	18.09	19.44
EDGE 4 Tx slots	21.00	20.88	20.71	22.50	18.00	17.88	17.71	19.50

【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	29.32	29.75	29.81	31.50	20.32	20.75	20.81	22.50
GPRS 1 Tx slot	29.67	29.66	29.79	31.50	20.67	20.66	20.79	22.50
GPRS 2 Tx slots	26.57	26.92	26.67	28.50	20.57	20.92	20.67	22.50
GPRS 3 Tx slots	24.70	24.76	24.75	26.70	20.44	20.50	20.49	22.44
GPRS 4 Tx slots	23.56	23.59	23.55	25.50	20.56	20.59	20.55	22.50
EDGE 1 Tx slot	25.38	25.52	25.56	27.50	16.38	16.52	16.56	18.50
EDGE 2 Tx slots	22.03	22.33	21.95	24.50	16.03	16.33	15.95	18.50
EDGE 3 Tx slots	20.78	20.80	20.75	22.20	16.52	16.54	16.49	17.94
EDGE 4 Tx slots	19.01	19.10	19.06	21.50	16.01	16.10	16.06	18.50

【GSM1900_Ant 4_DSI 1】

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	25.90	26.21	26.27	28.00	16.90	17.21	17.27	19.00
GPRS 1 Tx slot	26.27	26.28	26.21	28.00	17.27	17.28	17.21	19.00
GPRS 2 Tx slots	23.18	23.50	23.09	25.00	17.18	17.50	17.09	19.00
GPRS 3 Tx slots	21.10	21.23	21.21	23.20	16.84	16.97	16.95	18.94
GPRS 4 Tx slots	20.16	20.20	20.13	22.00	17.16	17.20	17.13	19.00
EDGE 1 Tx slot	25.38	25.52	25.56	27.50	16.38	16.52	16.56	18.50
EDGE 2 Tx slots	22.03	22.33	21.95	24.50	16.03	16.33	15.95	18.50
EDGE 3 Tx slots	20.78	20.80	20.75	22.20	16.52	16.54	16.49	17.94
EDGE 4 Tx slots	19.01	19.10	19.06	21.50	16.01	16.10	16.06	18.50

【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	27.72	28.17	28.26	30.00	18.72	19.17	19.26	21.00
GPRS 1 Tx slot	28.11	28.28	28.22	30.00	19.11	19.28	19.22	21.00
GPRS 2 Tx slots	25.09	25.39	25.19	27.00	19.09	19.39	19.19	21.00
GPRS 3 Tx slots	23.28	23.23	23.22	25.20	19.02	18.97	18.96	20.94
GPRS 4 Tx slots	22.05	22.11	22.03	24.00	19.05	19.11	19.03	21.00
EDGE 1 Tx slot	25.38	25.52	25.56	27.50	16.38	16.52	16.56	18.50
EDGE 2 Tx slots	22.03	22.33	21.95	24.50	16.03	16.33	15.95	18.50
EDGE 3 Tx slots	20.78	20.80	20.75	22.20	16.52	16.54	16.49	17.94
EDGE 4 Tx slots	19.01	19.10	19.06	21.50	16.01	16.10	16.06	18.50

【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	29.32	29.75	29.81	31.50	20.32	20.75	20.81	22.50
GPRS 1 Tx slot	29.67	29.66	29.79	31.50	20.67	20.66	20.79	22.50
GPRS 2 Tx slots	26.57	26.92	26.67	28.50	20.57	20.92	20.67	22.50
GPRS 3 Tx slots	24.70	24.76	24.75	26.70	20.44	20.50	20.49	22.44
GPRS 4 Tx slots	23.56	23.59	23.55	25.50	20.56	20.59	20.55	22.50
EDGE 1 Tx slot	25.38	25.52	25.56	27.50	16.38	16.52	16.56	18.50
EDGE 2 Tx slots	22.03	22.33	21.95	24.50	16.03	16.33	15.95	18.50
EDGE 3 Tx slots	20.78	20.80	20.75	22.20	16.52	16.54	16.49	17.94
EDGE 4 Tx slots	19.01	19.10	19.06	21.50	16.01	16.10	16.06	18.50

【GSM1900_Ant 4_DSI 5】

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	25.90	26.21	26.27	28.00	16.90	17.21	17.27	19.00
GPRS 1 Tx slot	26.27	26.28	26.21	28.00	17.27	17.28	17.21	19.00
GPRS 2 Tx slots	23.18	23.50	23.09	25.00	17.18	17.50	17.09	19.00
GPRS 3 Tx slots	21.10	21.23	21.21	23.20	16.84	16.97	16.95	18.94
GPRS 4 Tx slots	20.16	20.20	20.13	22.00	17.16	17.20	17.13	19.00
EDGE 1 Tx slot	25.38	25.52	25.56	27.50	16.38	16.52	16.56	18.50
EDGE 2 Tx slots	22.03	22.33	21.95	24.50	16.03	16.33	15.95	18.50
EDGE 3 Tx slots	20.78	20.80	20.75	22.20	16.52	16.54	16.49	17.94
EDGE 4 Tx slots	19.01	19.10	19.06	21.50	16.01	16.10	16.06	18.50

【GSM1900_Ant 6_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	29.33	29.42	29.23	31.00	20.33	20.42	20.23	22.00
GPRS 1 Tx slot	29.22	29.33	29.18	31.00	20.22	20.33	20.18	22.00
GPRS 2 Tx slots	26.15	26.11	26.19	28.00	20.15	20.11	20.19	22.00
GPRS 3 Tx slots	24.21	24.28	24.20	26.20	19.95	20.02	19.94	21.94
GPRS 4 Tx slots	23.05	23.23	23.16	25.00	20.05	20.23	20.16	22.00
EDGE 1 Tx slot	25.11	25.23	25.16	27.00	16.11	16.23	16.16	18.00
EDGE 2 Tx slots	22.23	22.19	22.06	24.00	16.23	16.19	16.06	18.00
EDGE 3 Tx slots	20.37	20.41	20.36	22.20	16.11	16.15	16.10	17.94
EDGE 4 Tx slots	19.13	19.18	19.15	21.00	16.13	16.18	16.15	18.00

【GSM1900_Ant 6_DSI 1】

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	29.33	29.42	29.23	31.00	20.33	20.42	20.23	22.00
GPRS 1 Tx slot	29.22	29.33	29.18	31.00	20.22	20.33	20.18	22.00
GPRS 2 Tx slots	26.15	26.11	26.19	28.00	20.15	20.11	20.19	22.00
GPRS 3 Tx slots	24.21	24.28	24.20	26.20	19.95	20.02	19.94	21.94
GPRS 4 Tx slots	23.05	23.23	23.16	25.00	20.05	20.23	20.16	22.00
EDGE 1 Tx slot	25.11	25.23	25.16	27.00	16.11	16.23	16.16	18.00
EDGE 2 Tx slots	22.23	22.19	22.06	24.00	16.23	16.19	16.06	18.00
EDGE 3 Tx slots	20.37	20.41	20.36	22.20	16.11	16.15	16.10	17.94
EDGE 4 Tx slots	19.13	19.18	19.15	21.00	16.13	16.18	16.15	18.00

【GSM1900_Ant 6_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	28.23	28.46	28.31	30.00	19.23	19.46	19.31	21.00
GPRS 1 Tx slot	28.27	28.37	28.21	30.00	19.27	19.37	19.21	21.00
GPRS 2 Tx slots	25.10	25.10	25.11	27.00	19.10	19.10	19.11	21.00
GPRS 3 Tx slots	23.23	23.28	23.26	25.20	18.97	19.02	19.00	20.94
GPRS 4 Tx slots	22.28	22.32	22.23	24.00	19.28	19.32	19.23	21.00
EDGE 1 Tx slot	25.11	25.23	25.16	27.00	16.11	16.23	16.16	18.00
EDGE 2 Tx slots	22.23	22.19	22.06	24.00	16.23	16.19	16.06	18.00
EDGE 3 Tx slots	20.37	20.41	20.36	22.20	16.11	16.15	16.10	17.94
EDGE 4 Tx slots	19.13	19.18	19.15	21.00	16.13	16.18	16.15	18.00

【GSM1900_Ant 6_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	28.23	28.46	28.31	30.00	19.23	19.46	19.31	21.00
GPRS 1 Tx slot	28.27	28.37	28.21	30.00	19.27	19.37	19.21	21.00
GPRS 2 Tx slots	25.10	25.10	25.11	27.00	19.10	19.10	19.11	21.00
GPRS 3 Tx slots	23.23	23.28	23.26	25.20	18.97	19.02	19.00	20.94
GPRS 4 Tx slots	22.28	22.32	22.23	24.00	19.28	19.32	19.23	21.00
EDGE 1 Tx slot	25.11	25.23	25.16	27.00	16.11	16.23	16.16	18.00
EDGE 2 Tx slots	22.23	22.19	22.06	24.00	16.23	16.19	16.06	18.00
EDGE 3 Tx slots	20.37	20.41	20.36	22.20	16.11	16.15	16.10	17.94
EDGE 4 Tx slots	19.13	19.18	19.15	21.00	16.13	16.18	16.15	18.00

【GSM1900_Ant 6_DSI 5】

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	28.23	28.46	28.31	30.00	19.23	19.46	19.31	21.00
GPRS 1 Tx slot	28.27	28.37	28.21	30.00	19.27	19.37	19.21	21.00
GPRS 2 Tx slots	25.10	25.10	25.11	27.00	19.10	19.10	19.11	21.00
GPRS 3 Tx slots	23.23	23.28	23.26	25.20	18.97	19.02	19.00	20.94
GPRS 4 Tx slots	22.28	22.32	22.23	24.00	19.28	19.32	19.23	21.00
EDGE 1 Tx slot	25.11	25.23	25.16	27.00	16.11	16.23	16.16	18.00
EDGE 2 Tx slots	22.23	22.19	22.06	24.00	16.23	16.19	16.06	18.00
EDGE 3 Tx slots	20.37	20.41	20.36	22.20	16.11	16.15	16.10	17.94
EDGE 4 Tx slots	19.13	19.18	19.15	21.00	16.13	16.18	16.15	18.00

<WCDMA Conducted Power>

【WCDMA II_Ant 4_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.64	23.77	23.71	25.00
3GPP Rel 99	RMC 12.2Kbps	23.70	23.82	23.77	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.98	22.86	24.00
3GPP Rel 6	HSDPA Subtest-2	22.84	23.08	22.95	24.00
3GPP Rel 6	HSDPA Subtest-3	22.26	22.47	22.35	23.50
3GPP Rel 6	HSDPA Subtest-4	22.41	22.64	22.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.82	23.01	22.92	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.67	22.93	22.81	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.36	22.55	22.46	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.47	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	22.73	22.96	22.81	24.00
3GPP Rel 6	HSUPA Subtest-2	20.82	20.95	20.83	22.00
3GPP Rel 6	HSUPA Subtest-3	21.92	22.09	21.99	23.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.74	20.60	22.00
3GPP Rel 6	HSUPA Subtest-5	22.77	22.97	22.87	24.00

【WCDMA II_Ant 4_DSI 1】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.09	17.24	17.18	18.50
3GPP Rel 99	RMC 12.2Kbps	17.26	17.32	17.28	18.50
3GPP Rel 6	HSDPA Subtest-1	16.41	16.38	16.25	17.50
3GPP Rel 6	HSDPA Subtest-2	16.45	16.68	16.49	17.50
3GPP Rel 6	HSDPA Subtest-3	15.82	16.01	15.85	17.00
3GPP Rel 6	HSDPA Subtest-4	15.89	16.20	16.05	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.39	16.54	16.47	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.09	16.41	16.32	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.83	16.17	15.87	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.90	15.92	15.87	17.00
3GPP Rel 6	HSUPA Subtest-1	16.21	16.49	16.41	17.50
3GPP Rel 6	HSUPA Subtest-2	14.28	14.51	14.33	15.50
3GPP Rel 6	HSUPA Subtest-3	15.38	15.51	15.54	16.50
3GPP Rel 6	HSUPA Subtest-4	14.07	14.27	14.18	15.50
3GPP Rel 6	HSUPA Subtest-5	16.38	16.38	16.49	17.50

【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	19.19	19.24	19.12	20.50
3GPP Rel 99	RMC 12.2Kbps	19.31	19.35	19.21	20.50
3GPP Rel 6	HSDPA Subtest-1	18.27	18.58	18.42	19.50
3GPP Rel 6	HSDPA Subtest-2	18.28	18.66	18.35	19.50
3GPP Rel 6	HSDPA Subtest-3	17.84	18.05	17.88	19.00
3GPP Rel 6	HSDPA Subtest-4	17.97	18.15	17.98	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.34	18.55	18.32	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.12	18.35	18.23	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.89	17.93	17.92	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.85	18.07	17.88	19.00
3GPP Rel 6	HSUPA Subtest-1	18.27	18.41	18.39	19.50
3GPP Rel 6	HSUPA Subtest-2	16.30	16.40	16.34	17.50
3GPP Rel 6	HSUPA Subtest-3	17.39	17.69	17.59	18.50
3GPP Rel 6	HSUPA Subtest-4	16.04	16.35	16.12	17.50
3GPP Rel 6	HSUPA Subtest-5	18.25	18.36	18.34	19.50

【WCDMA II_Ant 4_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.64	23.77	23.71	25.00
3GPP Rel 99	RMC 12.2Kbps	23.70	23.82	23.77	25.00
3GPP Rel 6	HSDPA Subtest-1	22.83	22.98	22.86	24.00
3GPP Rel 6	HSDPA Subtest-2	22.84	23.08	22.95	24.00
3GPP Rel 6	HSDPA Subtest-3	22.26	22.47	22.35	23.50
3GPP Rel 6	HSDPA Subtest-4	22.41	22.64	22.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.82	23.01	22.92	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.67	22.93	22.81	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.36	22.55	22.46	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.32	22.47	22.33	23.50
3GPP Rel 6	HSUPA Subtest-1	22.73	22.96	22.81	24.00
3GPP Rel 6	HSUPA Subtest-2	20.82	20.95	20.83	22.00
3GPP Rel 6	HSUPA Subtest-3	21.92	22.09	21.99	23.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.74	20.60	22.00
3GPP Rel 6	HSUPA Subtest-5	22.77	22.97	22.87	24.00

【WCDMA II_Ant 4_DSI 5】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.09	17.24	17.18	18.50
3GPP Rel 99	RMC 12.2Kbps	17.26	17.32	17.28	18.50
3GPP Rel 6	HSDPA Subtest-1	16.41	16.38	16.25	17.50
3GPP Rel 6	HSDPA Subtest-2	16.45	16.68	16.49	17.50
3GPP Rel 6	HSDPA Subtest-3	15.82	16.01	15.85	17.00
3GPP Rel 6	HSDPA Subtest-4	15.89	16.20	16.05	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.39	16.54	16.47	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.09	16.41	16.32	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.83	16.17	15.87	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.90	15.92	15.87	17.00
3GPP Rel 6	HSUPA Subtest-1	16.21	16.49	16.41	17.50
3GPP Rel 6	HSUPA Subtest-2	14.28	14.51	14.33	15.50
3GPP Rel 6	HSUPA Subtest-3	15.38	15.51	15.54	16.50
3GPP Rel 6	HSUPA Subtest-4	14.07	14.27	14.18	15.50
3GPP Rel 6	HSUPA Subtest-5	16.38	16.38	16.49	17.50

【WCDMA II_Ant 6_Full Power】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.18	24.24	24.21	25.50
3GPP Rel 99	RMC 12.2Kbps	24.23	24.37	24.25	25.50
3GPP Rel 6	HSDPA Subtest-1	23.17	23.25	23.09	24.50
3GPP Rel 6	HSDPA Subtest-2	23.22	23.33	23.26	24.50
3GPP Rel 6	HSDPA Subtest-3	22.72	22.88	22.72	24.00
3GPP Rel 6	HSDPA Subtest-4	22.74	22.94	22.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.96	23.17	23.04	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.12	23.22	23.21	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.67	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.56	22.84	22.87	24.00
3GPP Rel 6	HSUPA Subtest-1	23.31	23.47	23.31	24.50
3GPP Rel 6	HSUPA Subtest-2	21.30	21.34	21.33	22.50
3GPP Rel 6	HSUPA Subtest-3	22.31	22.31	22.26	23.50
3GPP Rel 6	HSUPA Subtest-4	21.35	21.35	21.13	22.50
3GPP Rel 6	HSUPA Subtest-5	23.22	23.48	23.15	24.50

【WCDMA II_Ant 6_DSI 1】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.18	24.24	24.21	25.50
3GPP Rel 99	RMC 12.2Kbps	24.23	24.37	24.25	25.50
3GPP Rel 6	HSDPA Subtest-1	23.17	23.25	23.09	24.50
3GPP Rel 6	HSDPA Subtest-2	23.22	23.33	23.26	24.50
3GPP Rel 6	HSDPA Subtest-3	22.72	22.88	22.72	24.00
3GPP Rel 6	HSDPA Subtest-4	22.74	22.94	22.85	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.96	23.17	23.04	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.12	23.22	23.21	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.67	22.73	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.56	22.84	22.87	24.00
3GPP Rel 6	HSUPA Subtest-1	23.31	23.47	23.31	24.50
3GPP Rel 6	HSUPA Subtest-2	21.30	21.34	21.33	22.50
3GPP Rel 6	HSUPA Subtest-3	22.31	22.31	22.26	23.50
3GPP Rel 6	HSUPA Subtest-4	21.35	21.35	21.13	22.50
3GPP Rel 6	HSUPA Subtest-5	23.22	23.48	23.15	24.50

【WCDMA II_Ant 6_DSI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.29	19.13	19.13	20.50
3GPP Rel 99	RMC 12.2Kbps	19.30	19.45	19.17	20.50
3GPP Rel 6	HSDPA Subtest-1	18.11	18.32	18.20	19.50
3GPP Rel 6	HSDPA Subtest-2	18.30	18.33	18.35	19.50
3GPP Rel 6	HSDPA Subtest-3	17.80	17.87	17.75	19.00
3GPP Rel 6	HSDPA Subtest-4	17.79	17.98	17.94	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.90	18.07	17.95	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.22	18.11	18.21	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.70	17.55	17.66	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.61	17.88	17.97	19.00
3GPP Rel 6	HSUPA Subtest-1	18.24	18.38	18.22	19.50
3GPP Rel 6	HSUPA Subtest-2	16.38	16.38	16.22	17.50
3GPP Rel 6	HSUPA Subtest-3	17.27	17.21	17.31	18.50
3GPP Rel 6	HSUPA Subtest-4	16.47	16.40	16.06	17.50
3GPP Rel 6	HSUPA Subtest-5	18.30	18.42	18.09	19.50

【WCDMA II_Ant 6_DSI 4】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.29	19.13	19.13	20.50
3GPP Rel 99	RMC 12.2Kbps	19.30	19.45	19.17	20.50
3GPP Rel 6	HSDPA Subtest-1	18.11	18.32	18.20	19.50
3GPP Rel 6	HSDPA Subtest-2	18.30	18.33	18.35	19.50
3GPP Rel 6	HSDPA Subtest-3	17.80	17.87	17.75	19.00
3GPP Rel 6	HSDPA Subtest-4	17.79	17.98	17.94	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.90	18.07	17.95	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.22	18.11	18.21	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.70	17.55	17.66	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.61	17.88	17.97	19.00
3GPP Rel 6	HSUPA Subtest-1	18.24	18.38	18.22	19.50
3GPP Rel 6	HSUPA Subtest-2	16.38	16.38	16.22	17.50
3GPP Rel 6	HSUPA Subtest-3	17.27	17.21	17.31	18.50
3GPP Rel 6	HSUPA Subtest-4	16.47	16.40	16.06	17.50
3GPP Rel 6	HSUPA Subtest-5	18.30	18.42	18.09	19.50

【WCDMA II_Ant 6_DSI 5】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.29	19.13	19.13	20.50
3GPP Rel 99	RMC 12.2Kbps	19.30	19.45	19.17	20.50
3GPP Rel 6	HSDPA Subtest-1	18.11	18.32	18.20	19.50
3GPP Rel 6	HSDPA Subtest-2	18.30	18.33	18.35	19.50
3GPP Rel 6	HSDPA Subtest-3	17.80	17.87	17.75	19.00
3GPP Rel 6	HSDPA Subtest-4	17.79	17.98	17.94	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.90	18.07	17.95	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.22	18.11	18.21	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.70	17.55	17.66	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.61	17.88	17.97	19.00
3GPP Rel 6	HSUPA Subtest-1	18.24	18.38	18.22	19.50
3GPP Rel 6	HSUPA Subtest-2	16.38	16.38	16.22	17.50
3GPP Rel 6	HSUPA Subtest-3	17.27	17.21	17.31	18.50
3GPP Rel 6	HSUPA Subtest-4	16.47	16.40	16.06	17.50
3GPP Rel 6	HSUPA Subtest-5	18.30	18.42	18.09	19.50

【WCDMA IV_Ant 4_Full Power】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.91	23.95	23.90	25.00
3GPP Rel 99	RMC 12.2Kbps	24.01	24.05	24.02	25.00
3GPP Rel 6	HSDPA Subtest-1	23.16	23.32	23.19	24.00
3GPP Rel 6	HSDPA Subtest-2	23.08	23.16	22.98	24.00
3GPP Rel 6	HSDPA Subtest-3	22.43	22.62	22.51	23.50
3GPP Rel 6	HSDPA Subtest-4	22.71	22.77	22.68	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.81	22.93	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.91	23.01	22.87	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.78	22.85	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.64	22.78	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.32	23.22	24.00
3GPP Rel 6	HSUPA Subtest-2	20.95	21.09	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	22.02	22.15	22.06	23.00
3GPP Rel 6	HSUPA Subtest-4	21.12	21.20	21.13	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.21	23.10	24.00

【WCDMA IV_Ant 4_DSI 1】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.37	16.53	16.44	17.50
3GPP Rel 99	RMC 12.2Kbps	16.53	16.60	16.58	17.50
3GPP Rel 6	HSDPA Subtest-1	15.58	15.88	15.61	16.50
3GPP Rel 6	HSDPA Subtest-2	15.60	15.78	15.48	16.50
3GPP Rel 6	HSDPA Subtest-3	14.85	15.07	14.98	16.00
3GPP Rel 6	HSDPA Subtest-4	15.19	15.27	15.07	16.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.40	15.53	15.44	16.50
3GPP Rel 8	DC-HSDPA Subtest-2	15.45	15.55	15.42	16.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.37	15.46	15.38	16.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.13	15.37	15.13	16.00
3GPP Rel 6	HSUPA Subtest-1	15.67	15.91	15.76	16.50
3GPP Rel 6	HSUPA Subtest-2	13.37	13.59	13.48	14.50
3GPP Rel 6	HSUPA Subtest-3	14.59	14.56	14.51	15.50
3GPP Rel 6	HSUPA Subtest-4	13.70	13.75	13.55	14.50
3GPP Rel 6	HSUPA Subtest-5	15.67	15.63	15.69	16.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.25	13.44	13.33	14.00

【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	19.52	19.46	19.34	20.50
3GPP Rel 99	RMC 12.2Kbps	19.55	19.56	19.50	20.50
3GPP Rel 6	HSDPA Subtest-1	18.76	18.77	18.80	19.50
3GPP Rel 6	HSDPA Subtest-2	18.50	18.70	18.50	19.50
3GPP Rel 6	HSDPA Subtest-3	17.93	18.01	18.01	19.00
3GPP Rel 6	HSDPA Subtest-4	18.17	18.30	18.20	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.41	18.32	18.28	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.29	18.45	18.47	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.24	18.35	18.19	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.18	18.18	18.05	19.00
3GPP Rel 6	HSUPA Subtest-1	18.76	18.77	18.66	19.50
3GPP Rel 6	HSUPA Subtest-2	16.47	16.65	16.47	17.50
3GPP Rel 6	HSUPA Subtest-3	17.58	17.58	17.66	18.50
3GPP Rel 6	HSUPA Subtest-4	16.63	16.64	16.73	17.50
3GPP Rel 6	HSUPA Subtest-5	18.64	18.70	18.67	19.50

【WCDMA IV_Ant 4_DSI 4】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.91	23.95	23.90	25.00
3GPP Rel 99	RMC 12.2Kbps	24.01	24.05	24.02	25.00
3GPP Rel 6	HSDPA Subtest-1	23.16	23.32	23.19	24.00
3GPP Rel 6	HSDPA Subtest-2	23.08	23.16	22.98	24.00
3GPP Rel 6	HSDPA Subtest-3	22.43	22.62	22.51	23.50
3GPP Rel 6	HSDPA Subtest-4	22.71	22.77	22.68	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.81	22.93	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.91	23.01	22.87	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.78	22.85	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.64	22.78	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.32	23.22	24.00
3GPP Rel 6	HSUPA Subtest-2	20.95	21.09	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	22.02	22.15	22.06	23.00
3GPP Rel 6	HSUPA Subtest-4	21.12	21.20	21.13	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.21	23.10	24.00

【WCDMA IV_Ant 4_DSI 5】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.37	16.53	16.44	17.50
3GPP Rel 99	RMC 12.2Kbps	16.53	16.60	16.58	17.50
3GPP Rel 6	HSDPA Subtest-1	15.58	15.88	15.61	16.50
3GPP Rel 6	HSDPA Subtest-2	15.60	15.78	15.48	16.50
3GPP Rel 6	HSDPA Subtest-3	14.85	15.07	14.98	16.00
3GPP Rel 6	HSDPA Subtest-4	15.19	15.27	15.07	16.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.40	15.53	15.44	16.50
3GPP Rel 8	DC-HSDPA Subtest-2	15.45	15.55	15.42	16.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.37	15.46	15.38	16.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.13	15.37	15.13	16.00
3GPP Rel 6	HSUPA Subtest-1	15.67	15.91	15.76	16.50
3GPP Rel 6	HSUPA Subtest-2	13.37	13.59	13.48	14.50
3GPP Rel 6	HSUPA Subtest-3	14.59	14.56	14.51	15.50
3GPP Rel 6	HSUPA Subtest-4	13.70	13.75	13.55	14.50
3GPP Rel 6	HSUPA Subtest-5	15.67	15.63	15.69	16.50

【WCDMA IV_Ant 5_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	23.71	23.78	23.61	25.00
3GPP Rel 99	RMC 12.2Kbps	23.79	23.82	23.64	25.00
3GPP Rel 6	HSDPA Subtest-1	22.73	22.93	22.86	24.00
3GPP Rel 6	HSDPA Subtest-2	22.91	23.04	23.03	24.00
3GPP Rel 6	HSDPA Subtest-3	22.26	22.47	22.47	23.50
3GPP Rel 6	HSDPA Subtest-4	22.41	22.41	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.57	23.03	23.09	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.79	23.20	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.63	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.51	22.36	22.03	23.50
3GPP Rel 6	HSUPA Subtest-1	22.79	22.86	22.76	24.00
3GPP Rel 6	HSUPA Subtest-2	20.68	20.81	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	21.86	21.67	21.78	23.00
3GPP Rel 6	HSUPA Subtest-4	20.86	20.97	21.07	22.00
3GPP Rel 6	HSUPA Subtest-5	22.69	22.92	22.76	24.00

【WCDMA IV_Ant 5_DSI 1】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	15.28	15.31	15.18	16.50
3GPP Rel 99	RMC 12.2Kbps	15.30	15.36	15.21	16.50
3GPP Rel 6	HSDPA Subtest-1	14.28	14.35	14.25	15.50
3GPP Rel 6	HSDPA Subtest-2	14.34	14.54	14.47	15.50
3GPP Rel 6	HSDPA Subtest-3	13.66	14.08	13.94	15.00
3GPP Rel 6	HSDPA Subtest-4	13.96	13.98	13.81	15.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.05	14.61	14.56	15.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.24	14.59	14.39	15.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.59	14.13	14.15	15.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.96	13.74	13.55	15.00
3GPP Rel 6	HSUPA Subtest-1	14.32	14.36	14.16	15.50
3GPP Rel 6	HSUPA Subtest-2	12.25	12.38	12.50	13.50
3GPP Rel 6	HSUPA Subtest-3	13.34	13.20	13.22	14.50
3GPP Rel 6	HSUPA Subtest-4	12.48	12.50	12.51	13.50
3GPP Rel 6	HSUPA Subtest-5	14.30	14.37	14.23	15.50

【WCDMA IV_Ant 5_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	17.67	17.81	17.50	19.00
3GPP Rel 99	RMC 12.2Kbps	17.80	17.83	17.76	19.00
3GPP Rel 6	HSDPA Subtest-1	16.77	16.86	16.92	18.00
3GPP Rel 6	HSDPA Subtest-2	16.91	17.04	16.92	18.00
3GPP Rel 6	HSDPA Subtest-3	16.34	16.56	16.39	17.50
3GPP Rel 6	HSDPA Subtest-4	16.46	16.32	16.19	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.59	16.95	17.09	18.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.90	17.18	16.87	18.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.23	16.65	16.66	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.49	16.29	15.99	17.50
3GPP Rel 6	HSUPA Subtest-1	16.91	16.90	16.66	18.00
3GPP Rel 6	HSUPA Subtest-2	14.78	14.92	14.97	16.00
3GPP Rel 6	HSUPA Subtest-3	15.88	15.73	15.83	17.00
3GPP Rel 6	HSUPA Subtest-4	14.94	14.93	15.07	16.00
3GPP Rel 6	HSUPA Subtest-5	16.76	16.90	16.68	18.00

【WCDMA IV_Ant 5_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	23.71	23.78	23.61	25.00
3GPP Rel 99	RMC 12.2Kbps	23.79	23.82	23.64	25.00
3GPP Rel 6	HSDPA Subtest-1	22.73	22.93	22.86	24.00
3GPP Rel 6	HSDPA Subtest-2	22.91	23.04	23.03	24.00
3GPP Rel 6	HSDPA Subtest-3	22.26	22.47	22.47	23.50
3GPP Rel 6	HSDPA Subtest-4	22.41	22.41	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.57	23.03	23.09	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.79	23.20	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.16	22.63	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.51	22.36	22.03	23.50
3GPP Rel 6	HSUPA Subtest-1	22.79	22.86	22.76	24.00
3GPP Rel 6	HSUPA Subtest-2	20.68	20.81	21.03	22.00
3GPP Rel 6	HSUPA Subtest-3	21.86	21.67	21.78	23.00
3GPP Rel 6	HSUPA Subtest-4	20.86	20.97	21.07	22.00
3GPP Rel 6	HSUPA Subtest-5	22.69	22.92	22.76	24.00

【WCDMA IV_Ant 5_DSI 5】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	15.28	15.31	15.18	16.50
3GPP Rel 99	RMC 12.2Kbps	15.30	15.36	15.21	16.50
3GPP Rel 6	HSDPA Subtest-1	14.28	14.35	14.25	15.50
3GPP Rel 6	HSDPA Subtest-2	14.34	14.54	14.47	15.50
3GPP Rel 6	HSDPA Subtest-3	13.66	14.08	13.94	15.00
3GPP Rel 6	HSDPA Subtest-4	13.96	13.98	13.81	15.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.05	14.61	14.56	15.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.24	14.59	14.39	15.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.59	14.13	14.15	15.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.96	13.74	13.55	15.00
3GPP Rel 6	HSUPA Subtest-1	14.32	14.36	14.16	15.50
3GPP Rel 6	HSUPA Subtest-2	12.25	12.38	12.50	13.50
3GPP Rel 6	HSUPA Subtest-3	13.34	13.20	13.22	14.50
3GPP Rel 6	HSUPA Subtest-4	12.48	12.50	12.51	13.50
3GPP Rel 6	HSUPA Subtest-5	14.30	14.37	14.23	15.50

【WCDMA IV_Ant 6_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	23.81	23.90	23.68	24.50
3GPP Rel 99	RMC 12.2Kbps	23.88	23.96	23.78	24.50
3GPP Rel 6	HSDPA Subtest-1	22.74	22.91	22.62	23.50
3GPP Rel 6	HSDPA Subtest-2	22.85	23.01	22.75	23.50
3GPP Rel 6	HSDPA Subtest-3	22.27	22.44	22.15	23.00
3GPP Rel 6	HSDPA Subtest-4	22.25	22.36	22.05	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.77	22.93	22.68	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.80	22.90	22.57	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.19	22.34	22.05	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.07	22.17	21.90	23.00
3GPP Rel 6	HSUPA Subtest-1	22.76	22.94	22.66	23.50
3GPP Rel 6	HSUPA Subtest-2	20.78	20.94	20.67	21.50
3GPP Rel 6	HSUPA Subtest-3	21.71	21.91	21.57	22.50
3GPP Rel 6	HSUPA Subtest-4	20.86	20.98	20.77	21.50
3GPP Rel 6	HSUPA Subtest-5	22.89	22.99	22.71	23.50

【WCDMA IV_Ant 6_DSI 1】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.81	23.90	23.68	24.50
3GPP Rel 99	RMC 12.2Kbps	23.88	23.96	23.78	24.50
3GPP Rel 6	HSDPA Subtest-1	22.74	22.91	22.62	23.50
3GPP Rel 6	HSDPA Subtest-2	22.85	23.01	22.75	23.50
3GPP Rel 6	HSDPA Subtest-3	22.27	22.44	22.15	23.00
3GPP Rel 6	HSDPA Subtest-4	22.25	22.36	22.05	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.77	22.93	22.68	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.80	22.90	22.57	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.19	22.34	22.05	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.07	22.17	21.90	23.00
3GPP Rel 6	HSUPA Subtest-1	22.76	22.94	22.66	23.50
3GPP Rel 6	HSUPA Subtest-2	20.78	20.94	20.67	21.50
3GPP Rel 6	HSUPA Subtest-3	21.71	21.91	21.57	22.50
3GPP Rel 6	HSUPA Subtest-4	20.86	20.98	20.77	21.50
3GPP Rel 6	HSUPA Subtest-5	22.89	22.99	22.71	23.50

【WCDMA IV_Ant 6_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.83	19.85	19.72	20.50
3GPP Rel 99	RMC 12.2Kbps	19.87	19.88	19.82	20.50
3GPP Rel 6	HSDPA Subtest-1	18.73	18.87	18.72	19.50
3GPP Rel 6	HSDPA Subtest-2	18.78	18.96	18.75	19.50
3GPP Rel 6	HSDPA Subtest-3	18.31	18.32	18.04	19.00
3GPP Rel 6	HSDPA Subtest-4	18.28	18.27	18.01	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.86	18.85	18.73	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.80	18.95	18.65	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.14	18.29	18.14	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.10	18.05	17.96	19.00
3GPP Rel 6	HSUPA Subtest-1	18.74	19.03	18.61	19.50
3GPP Rel 6	HSUPA Subtest-2	16.68	16.90	16.70	17.50
3GPP Rel 6	HSUPA Subtest-3	17.75	17.87	17.63	18.50
3GPP Rel 6	HSUPA Subtest-4	16.82	16.98	16.82	17.50
3GPP Rel 6	HSUPA Subtest-5	18.80	19.08	18.69	19.50

【WCDMA IV_Ant 6_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	19.83	19.85	19.72	20.50
3GPP Rel 99	RMC 12.2Kbps	19.87	19.88	19.82	20.50
3GPP Rel 6	HSDPA Subtest-1	18.73	18.87	18.72	19.50
3GPP Rel 6	HSDPA Subtest-2	18.78	18.96	18.75	19.50
3GPP Rel 6	HSDPA Subtest-3	18.31	18.32	18.04	19.00
3GPP Rel 6	HSDPA Subtest-4	18.28	18.27	18.01	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.86	18.85	18.73	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.80	18.95	18.65	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.14	18.29	18.14	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.10	18.05	17.96	19.00
3GPP Rel 6	HSUPA Subtest-1	18.74	19.03	18.61	19.50
3GPP Rel 6	HSUPA Subtest-2	16.68	16.90	16.70	17.50
3GPP Rel 6	HSUPA Subtest-3	17.75	17.87	17.63	18.50
3GPP Rel 6	HSUPA Subtest-4	16.82	16.98	16.82	17.50
3GPP Rel 6	HSUPA Subtest-5	18.80	19.08	18.69	19.50

【WCDMA IV_Ant 6_DSI 5】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.83	19.85	19.72	20.50
3GPP Rel 99	RMC 12.2Kbps	19.87	19.88	19.82	20.50
3GPP Rel 6	HSDPA Subtest-1	18.73	18.87	18.72	19.50
3GPP Rel 6	HSDPA Subtest-2	18.78	18.96	18.75	19.50
3GPP Rel 6	HSDPA Subtest-3	18.31	18.32	18.04	19.00
3GPP Rel 6	HSDPA Subtest-4	18.28	18.27	18.01	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.86	18.85	18.73	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.80	18.95	18.65	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.14	18.29	18.14	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.10	18.05	17.96	19.00
3GPP Rel 6	HSUPA Subtest-1	18.74	19.03	18.61	19.50
3GPP Rel 6	HSUPA Subtest-2	16.68	16.90	16.70	17.50
3GPP Rel 6	HSUPA Subtest-3	17.75	17.87	17.63	18.50
3GPP Rel 6	HSUPA Subtest-4	16.82	16.98	16.82	17.50
3GPP Rel 6	HSUPA Subtest-5	18.80	19.08	18.69	19.50

【WCDMA IV_Ant 7_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	23.40	23.45	23.42	24.50
3GPP Rel 99	RMC 12.2Kbps	23.44	23.52	23.48	24.50
3GPP Rel 6	HSDPA Subtest-1	22.56	22.73	22.63	23.50
3GPP Rel 6	HSDPA Subtest-2	22.71	22.80	22.76	23.50
3GPP Rel 6	HSDPA Subtest-3	22.28	22.38	22.22	23.00
3GPP Rel 6	HSDPA Subtest-4	22.02	22.19	22.01	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.91	23.00	22.83	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.73	22.83	22.75	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.11	22.18	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.98	22.15	21.99	23.00
3GPP Rel 6	HSUPA Subtest-1	22.46	22.65	22.60	23.50
3GPP Rel 6	HSUPA Subtest-2	20.55	20.65	20.53	21.50
3GPP Rel 6	HSUPA Subtest-3	21.61	21.74	21.60	22.50
3GPP Rel 6	HSUPA Subtest-4	20.71	20.81	20.66	21.50
3GPP Rel 6	HSUPA Subtest-5	22.52	22.71	22.56	23.50

【WCDMA IV_Ant 7_DSI 1】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.41	18.33	18.52	19.50
3GPP Rel 99	RMC 12.2Kbps	18.45	18.48	18.47	19.50
3GPP Rel 6	HSDPA Subtest-1	17.48	17.67	17.70	18.50
3GPP Rel 6	HSDPA Subtest-2	17.74	17.85	17.70	18.50
3GPP Rel 6	HSDPA Subtest-3	17.36	17.37	17.33	18.00
3GPP Rel 6	HSDPA Subtest-4	16.91	17.18	16.93	18.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.79	18.12	17.86	18.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.66	17.93	17.67	18.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.16	17.15	17.13	18.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.87	17.11	16.97	18.00
3GPP Rel 6	HSUPA Subtest-1	17.37	17.61	17.70	18.50
3GPP Rel 6	HSUPA Subtest-2	15.48	15.70	15.58	16.50
3GPP Rel 6	HSUPA Subtest-3	16.69	16.82	16.65	17.50
3GPP Rel 6	HSUPA Subtest-4	15.74	15.70	15.64	16.50
3GPP Rel 6	HSUPA Subtest-5	17.55	17.60	17.47	18.50

【WCDMA IV_Ant 7_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.39	20.34	20.39	21.50
3GPP Rel 99	RMC 12.2Kbps	20.40	20.47	20.44	21.50
3GPP Rel 6	HSDPA Subtest-1	19.68	19.82	19.69	20.50
3GPP Rel 6	HSDPA Subtest-2	19.67	19.90	19.86	20.50
3GPP Rel 6	HSDPA Subtest-3	19.37	19.45	19.21	20.00
3GPP Rel 6	HSDPA Subtest-4	19.11	19.15	19.07	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.86	19.89	19.89	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.64	19.82	19.71	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.02	19.18	19.21	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.05	19.22	19.05	20.00
3GPP Rel 6	HSUPA Subtest-1	19.38	19.72	19.67	20.50
3GPP Rel 6	HSUPA Subtest-2	17.48	17.71	17.49	18.50
3GPP Rel 6	HSUPA Subtest-3	18.69	18.77	18.54	19.50
3GPP Rel 6	HSUPA Subtest-4	17.73	17.73	17.68	18.50
3GPP Rel 6	HSUPA Subtest-5	19.49	19.71	19.54	20.50

【WCDMA IV_Ant 7_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	20.39	20.34	20.39	21.50
3GPP Rel 99	RMC 12.2Kbps	20.40	20.47	20.44	21.50
3GPP Rel 6	HSDPA Subtest-1	19.68	19.82	19.69	20.50
3GPP Rel 6	HSDPA Subtest-2	19.67	19.90	19.86	20.50
3GPP Rel 6	HSDPA Subtest-3	19.37	19.45	19.21	20.00
3GPP Rel 6	HSDPA Subtest-4	19.11	19.15	19.07	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.86	19.89	19.89	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.64	19.82	19.71	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.02	19.18	19.21	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.05	19.22	19.05	20.00
3GPP Rel 6	HSUPA Subtest-1	19.38	19.72	19.67	20.50
3GPP Rel 6	HSUPA Subtest-2	17.48	17.71	17.49	18.50
3GPP Rel 6	HSUPA Subtest-3	18.69	18.77	18.54	19.50
3GPP Rel 6	HSUPA Subtest-4	17.73	17.73	17.68	18.50
3GPP Rel 6	HSUPA Subtest-5	19.49	19.71	19.54	20.50

【WCDMA IV_Ant 7_DSI 5】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.41	18.33	18.52	19.50
3GPP Rel 99	RMC 12.2Kbps	18.45	18.48	18.47	19.50
3GPP Rel 6	HSDPA Subtest-1	17.48	17.67	17.70	18.50
3GPP Rel 6	HSDPA Subtest-2	17.74	17.85	17.70	18.50
3GPP Rel 6	HSDPA Subtest-3	17.36	17.37	17.33	18.00
3GPP Rel 6	HSDPA Subtest-4	16.91	17.18	16.93	18.00
3GPP Rel 8	DC-HSDPA Subtest-1	17.79	18.12	17.86	18.50
3GPP Rel 8	DC-HSDPA Subtest-2	17.66	17.93	17.67	18.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.16	17.15	17.13	18.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.87	17.11	16.97	18.00
3GPP Rel 6	HSUPA Subtest-1	17.37	17.61	17.70	18.50
3GPP Rel 6	HSUPA Subtest-2	15.48	15.70	15.58	16.50
3GPP Rel 6	HSUPA Subtest-3	16.69	16.82	16.65	17.50
3GPP Rel 6	HSUPA Subtest-4	15.74	15.70	15.64	16.50
3GPP Rel 6	HSUPA Subtest-5	17.55	17.60	17.47	18.50

【WCDMA V_Ant 0_Full Power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.48	24.51	24.37	25.00
3GPP Rel 99	RMC 12.2Kbps	24.53	24.55	24.42	25.00
3GPP Rel 6	HSDPA Subtest-1	23.08	23.24	22.98	24.00
3GPP Rel 6	HSDPA Subtest-2	23.16	23.27	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.75	22.49	23.50
3GPP Rel 6	HSDPA Subtest-4	22.70	22.80	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.25	23.31	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.21	23.28	23.05	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.65	22.45	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.65	22.72	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	23.16	23.24	23.02	24.00
3GPP Rel 6	HSUPA Subtest-2	21.11	21.19	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	22.14	22.23	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	21.36	21.40	21.16	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.28	23.13	24.00

【WCDMA V_Ant 0_DSI 1】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.48	24.51	24.37	25.00
3GPP Rel 99	RMC 12.2Kbps	24.53	24.55	24.42	25.00
3GPP Rel 6	HSDPA Subtest-1	23.08	23.24	22.98	24.00
3GPP Rel 6	HSDPA Subtest-2	23.16	23.27	23.10	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.75	22.49	23.50
3GPP Rel 6	HSDPA Subtest-4	22.70	22.80	22.65	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.25	23.31	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.21	23.28	23.05	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.47	22.65	22.45	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.65	22.72	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	23.16	23.24	23.02	24.00
3GPP Rel 6	HSUPA Subtest-2	21.11	21.19	21.04	22.00
3GPP Rel 6	HSUPA Subtest-3	22.14	22.23	21.98	23.00
3GPP Rel 6	HSUPA Subtest-4	21.36	21.40	21.16	22.00
3GPP Rel 6	HSUPA Subtest-5	23.15	23.28	23.13	24.00

【WCDMA V_Ant 0_DSI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.36	23.49	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.49	23.57	23.42	24.00
3GPP Rel 6	HSDPA Subtest-1	22.06	22.20	21.98	23.00
3GPP Rel 6	HSDPA Subtest-2	22.28	22.34	22.13	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.85	21.47	22.50
3GPP Rel 6	HSDPA Subtest-4	21.76	21.79	21.73	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.29	22.06	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.33	22.18	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.48	21.65	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.73	21.74	21.50	22.50
3GPP Rel 6	HSUPA Subtest-1	22.22	22.23	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.23	20.19	20.06	21.00
3GPP Rel 6	HSUPA Subtest-3	21.18	21.13	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	20.27	20.36	20.23	21.00
3GPP Rel 6	HSUPA Subtest-5	22.16	22.31	22.22	23.00

【WCDMA V_Ant 0_DSI 4】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.36	23.49	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.49	23.57	23.42	24.00
3GPP Rel 6	HSDPA Subtest-1	22.06	22.20	21.98	23.00
3GPP Rel 6	HSDPA Subtest-2	22.28	22.34	22.13	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.85	21.47	22.50
3GPP Rel 6	HSDPA Subtest-4	21.76	21.79	21.73	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.29	22.06	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.33	22.18	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.48	21.65	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.73	21.74	21.50	22.50
3GPP Rel 6	HSUPA Subtest-1	22.22	22.23	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.23	20.19	20.06	21.00
3GPP Rel 6	HSUPA Subtest-3	21.18	21.13	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	20.27	20.36	20.23	21.00
3GPP Rel 6	HSUPA Subtest-5	22.16	22.31	22.22	23.00

【WCDMA V_Ant 0_DSI 5】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.36	23.49	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.49	23.57	23.42	24.00
3GPP Rel 6	HSDPA Subtest-1	22.06	22.20	21.98	23.00
3GPP Rel 6	HSDPA Subtest-2	22.28	22.34	22.13	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.85	21.47	22.50
3GPP Rel 6	HSDPA Subtest-4	21.76	21.79	21.73	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.29	22.06	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.33	22.18	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.48	21.65	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.73	21.74	21.50	22.50
3GPP Rel 6	HSUPA Subtest-1	22.22	22.23	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.23	20.19	20.06	21.00
3GPP Rel 6	HSUPA Subtest-3	21.18	21.13	20.99	22.00
3GPP Rel 6	HSUPA Subtest-4	20.27	20.36	20.23	21.00
3GPP Rel 6	HSUPA Subtest-5	22.16	22.31	22.22	23.00

【WCDMA V_Ant 1_Full Power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.15	24.18	24.10	25.50
3GPP Rel 99	RMC 12.2Kbps	24.17	24.21	24.13	25.50
3GPP Rel 6	HSDPA Subtest-1	23.01	23.18	23.08	24.50
3GPP Rel 6	HSDPA Subtest-2	23.04	23.22	23.03	24.50
3GPP Rel 6	HSDPA Subtest-3	22.47	22.54	22.38	24.00
3GPP Rel 6	HSDPA Subtest-4	22.40	22.54	22.43	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.85	23.03	22.90	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.87	22.77	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.45	22.62	22.44	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.44	22.56	22.47	24.00
3GPP Rel 6	HSUPA Subtest-1	22.87	22.98	22.76	24.50
3GPP Rel 6	HSUPA Subtest-2	21.07	21.15	21.03	22.50
3GPP Rel 6	HSUPA Subtest-3	21.96	22.10	21.93	23.50
3GPP Rel 6	HSUPA Subtest-4	20.95	21.07	20.92	22.50
3GPP Rel 6	HSUPA Subtest-5	22.87	23.04	22.94	24.50

【WCDMA V_Ant 1_DSI 1】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.55	18.69	18.71	20.00
3GPP Rel 99	RMC 12.2Kbps	18.70	18.77	18.70	20.00
3GPP Rel 6	HSDPA Subtest-1	17.47	17.79	17.69	19.00
3GPP Rel 6	HSDPA Subtest-2	17.64	17.69	17.58	19.00
3GPP Rel 6	HSDPA Subtest-3	16.92	17.04	16.81	18.50
3GPP Rel 6	HSDPA Subtest-4	16.99	16.92	17.02	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.37	17.46	17.35	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.25	17.37	17.29	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.06	17.21	16.89	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.90	17.01	17.00	18.50
3GPP Rel 6	HSUPA Subtest-1	17.30	17.47	17.28	19.00
3GPP Rel 6	HSUPA Subtest-2	15.53	15.72	15.49	17.00
3GPP Rel 6	HSUPA Subtest-3	16.50	16.71	16.49	18.00
3GPP Rel 6	HSUPA Subtest-4	15.42	15.54	15.31	17.00
3GPP Rel 6	HSUPA Subtest-5	17.34	17.47	17.50	19.00

【WCDMA V_Ant 1_DSI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	19.61	19.72	19.59	21.00
3GPP Rel 99	RMC 12.2Kbps	19.64	19.70	19.59	21.00
3GPP Rel 6	HSDPA Subtest-1	18.41	18.77	18.55	20.00
3GPP Rel 6	HSDPA Subtest-2	18.62	18.83	18.61	20.00
3GPP Rel 6	HSDPA Subtest-3	17.92	18.05	17.97	19.50
3GPP Rel 6	HSDPA Subtest-4	17.82	18.03	17.93	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.30	18.62	18.51	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.38	18.38	18.15	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.00	18.15	17.96	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.83	18.17	17.87	19.50
3GPP Rel 6	HSUPA Subtest-1	18.42	18.47	18.35	20.00
3GPP Rel 6	HSUPA Subtest-2	16.53	16.70	16.55	18.00
3GPP Rel 6	HSUPA Subtest-3	17.53	17.55	17.39	19.00
3GPP Rel 6	HSUPA Subtest-4	16.52	16.52	16.49	18.00
3GPP Rel 6	HSUPA Subtest-5	18.47	18.59	18.46	20.00

【WCDMA V_Ant 1_DSI 4】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.15	24.18	24.10	25.50
3GPP Rel 99	RMC 12.2Kbps	24.17	24.21	24.13	25.50
3GPP Rel 6	HSDPA Subtest-1	23.01	23.18	23.08	24.50
3GPP Rel 6	HSDPA Subtest-2	23.04	23.22	23.03	24.50
3GPP Rel 6	HSDPA Subtest-3	22.47	22.54	22.38	24.00
3GPP Rel 6	HSDPA Subtest-4	22.40	22.54	22.43	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.85	23.03	22.90	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.87	22.77	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.45	22.62	22.44	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.44	22.56	22.47	24.00
3GPP Rel 6	HSUPA Subtest-1	22.87	22.98	22.76	24.50
3GPP Rel 6	HSUPA Subtest-2	21.07	21.15	21.03	22.50
3GPP Rel 6	HSUPA Subtest-3	21.96	22.10	21.93	23.50
3GPP Rel 6	HSUPA Subtest-4	20.95	21.07	20.92	22.50
3GPP Rel 6	HSUPA Subtest-5	22.87	23.04	22.94	24.50

【WCDMA V_Ant 1_DSI 5】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.55	18.69	18.71	20.00
3GPP Rel 99	RMC 12.2Kbps	18.70	18.77	18.70	20.00
3GPP Rel 6	HSDPA Subtest-1	17.47	17.79	17.69	19.00
3GPP Rel 6	HSDPA Subtest-2	17.64	17.69	17.58	19.00
3GPP Rel 6	HSDPA Subtest-3	16.92	17.04	16.81	18.50
3GPP Rel 6	HSDPA Subtest-4	16.99	16.92	17.02	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.37	17.46	17.35	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.25	17.37	17.29	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.06	17.21	16.89	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.90	17.01	17.00	18.50
3GPP Rel 6	HSUPA Subtest-1	17.30	17.47	17.28	19.00
3GPP Rel 6	HSUPA Subtest-2	15.53	15.72	15.49	17.00
3GPP Rel 6	HSUPA Subtest-3	16.50	16.71	16.49	18.00
3GPP Rel 6	HSUPA Subtest-4	15.42	15.54	15.31	17.00
3GPP Rel 6	HSUPA Subtest-5	17.34	17.47	17.50	19.00

<LTE Conducted Power>

【LTE Band 2_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.81	23.89	23.85	25.70
20	QPSK	1	49	23.56	23.75	23.68	25.70
20	QPSK	1	99	23.60	23.74	23.63	25.70
20	QPSK	50	0	22.74	22.93	22.79	24.70
20	QPSK	50	24	22.65	22.83	22.79	24.70
20	QPSK	50	50	22.69	22.92	22.64	24.70
20	QPSK	100	0	22.86	22.90	22.87	24.70
20	16QAM	1	0	22.91	23.10	22.93	24.70
20	16QAM	1	49	22.92	23.06	22.92	24.70
20	16QAM	1	99	23.01	23.10	22.99	24.70
20	16QAM	50	0	21.72	21.92	21.74	23.70
20	16QAM	50	24	21.84	22.01	21.91	23.70
20	16QAM	50	50	21.97	22.06	21.99	23.70
20	16QAM	100	0	21.87	21.99	21.81	23.70
20	64QAM	1	0	21.95	22.13	21.96	23.70
20	64QAM	1	49	21.99	22.19	22.05	23.70
20	64QAM	1	99	22.12	22.24	22.12	23.70
20	64QAM	50	0	20.85	21.01	20.89	22.70
20	64QAM	50	24	20.96	21.05	20.94	22.70
20	64QAM	50	50	20.89	21.09	20.99	22.70
20	64QAM	100	0	20.82	20.96	20.82	22.70
20	256QAM	1	0	18.83	18.96	18.81	20.70
20	256QAM	1	49	18.86	18.99	18.87	20.70
20	256QAM	1	99	18.80	19.01	18.86	20.70
20	256QAM	50	0	18.84	19.05	18.88	20.70
20	256QAM	50	24	18.94	19.10	19.03	20.70
20	256QAM	50	50	18.77	18.97	18.90	20.70
20	256QAM	100	0	18.93	19.08	19.02	20.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.74	23.77	23.78	25.70
15	QPSK	1	37	23.47	23.68	23.63	25.70
15	QPSK	1	74	23.49	23.68	23.49	25.70
15	QPSK	36	0	22.72	22.79	22.67	24.70
15	QPSK	36	20	22.78	22.86	22.75	24.70
15	QPSK	36	39	22.65	22.85	22.75	24.70
15	QPSK	75	0	22.79	22.83	22.76	24.70
15	16QAM	1	0	22.82	22.95	22.81	24.70
15	16QAM	1	37	22.82	22.93	22.87	24.70
15	16QAM	1	74	22.94	22.97	22.87	24.70
15	16QAM	36	0	21.64	21.84	21.71	23.70
15	16QAM	36	20	21.73	21.98	21.84	23.70
15	16QAM	36	39	21.95	21.94	21.92	23.70
15	16QAM	75	0	21.83	21.91	21.75	23.70
15	64QAM	1	0	21.89	22.07	21.84	23.70
15	64QAM	1	37	21.98	22.05	21.96	23.70
15	64QAM	1	74	22.03	22.20	22.01	23.70
15	64QAM	36	0	20.82	20.92	20.83	22.70
15	64QAM	36	20	20.91	20.94	20.88	22.70
15	64QAM	36	39	20.79	21.03	20.96	22.70
15	64QAM	75	0	20.70	20.89	20.70	22.70
15	256QAM	1	0	18.81	18.95	18.75	20.70
15	256QAM	1	37	18.74	18.95	18.78	20.70
15	256QAM	1	74	18.70	18.94	18.71	20.70
15	256QAM	36	0	18.74	18.96	18.82	20.70
15	256QAM	36	20	18.89	19.02	18.89	20.70
15	256QAM	36	39	18.69	18.83	18.77	20.70
15	256QAM	75	0	18.83	19.06	18.99	20.70
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.71	23.84	23.79	25.70
10	QPSK	1	25	23.41	23.61	23.66	25.70
10	QPSK	1	49	23.49	23.60	23.62	25.70
10	QPSK	25	0	22.60	22.89	22.66	24.70
10	QPSK	25	12	22.70	22.91	22.69	24.70
10	QPSK	25	25	22.67	22.88	22.74	24.70

10	QPSK	50	0	22.75	22.88	22.74	24.70
10	16QAM	1	0	22.84	23.09	22.88	24.70
10	16QAM	1	25	22.90	22.92	22.80	24.70
10	16QAM	1	49	22.90	23.08	22.96	24.70
10	16QAM	25	0	21.61	21.85	21.62	23.70
10	16QAM	25	12	21.83	21.87	21.85	23.70
10	16QAM	25	25	21.87	21.93	21.94	23.70
10	16QAM	50	0	21.80	21.92	21.72	23.70
10	64QAM	1	0	21.92	22.09	21.85	23.70
10	64QAM	1	25	21.95	22.09	21.99	23.70
10	64QAM	1	49	22.07	22.15	22.01	23.70
10	64QAM	25	0	20.81	20.92	20.75	22.70
10	64QAM	25	12	20.86	20.91	20.82	22.70
10	64QAM	25	25	20.82	20.94	20.94	22.70
10	64QAM	50	0	20.69	20.93	20.79	22.70
10	256QAM	1	0	18.71	18.94	18.79	20.70
10	256QAM	1	25	18.72	18.93	18.72	20.70
10	256QAM	1	49	18.72	18.87	18.71	20.70
10	256QAM	25	0	18.82	19.03	18.74	20.70
10	256QAM	25	12	18.84	19.02	18.89	20.70
10	256QAM	25	25	18.69	18.94	18.83	20.70
10	256QAM	50	0	18.88	19.04	18.91	20.70
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.73	23.83	23.77	25.70
5	QPSK	1	12	23.54	23.61	23.57	25.70
5	QPSK	1	24	23.50	23.70	23.56	25.70
5	QPSK	12	0	22.62	22.87	22.75	24.70
5	QPSK	12	7	22.72	22.94	22.74	24.70
5	QPSK	12	13	22.75	22.83	22.81	24.70
5	QPSK	25	0	22.76	22.92	22.84	24.70
5	16QAM	1	0	22.77	22.98	22.84	24.70
5	16QAM	1	12	22.88	22.97	22.77	24.70
5	16QAM	1	24	22.96	22.96	22.85	24.70
5	16QAM	12	0	21.63	21.85	21.68	23.70
5	16QAM	12	7	21.74	21.99	21.80	23.70
5	16QAM	12	13	21.96	21.96	21.91	23.70
5	16QAM	25	0	21.83	21.91	21.73	23.70
5	64QAM	1	0	21.80	22.10	21.85	23.70
5	64QAM	1	12	21.85	22.15	21.92	23.70
5	64QAM	1	24	22.06	22.21	22.03	23.70
5	64QAM	12	0	20.72	20.93	20.78	22.70
5	64QAM	12	7	20.90	20.97	20.83	22.70
5	64QAM	12	13	20.82	21.07	20.87	22.70
5	64QAM	25	0	20.80	20.83	20.81	22.70
5	256QAM	1	0	18.71	18.82	18.77	20.70
5	256QAM	1	12	18.78	18.85	18.86	20.70
5	256QAM	1	24	18.76	18.89	18.78	20.70
5	256QAM	12	0	18.80	18.99	18.86	20.70
5	256QAM	12	7	18.81	18.97	18.90	20.70
5	256QAM	12	13	18.69	18.82	18.77	20.70
5	256QAM	25	0	18.86	18.95	18.97	20.70
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.74	23.77	23.73	25.70
3	QPSK	1	8	23.53	23.73	23.57	25.70
3	QPSK	1	14	23.46	23.63	23.48	25.70
3	QPSK	8	0	22.68	22.91	22.73	24.70
3	QPSK	8	4	22.80	22.87	22.78	24.70
3	QPSK	8	7	22.67	22.87	22.84	24.70
3	QPSK	15	0	22.77	22.94	22.84	24.70
3	16QAM	1	0	22.88	22.98	22.81	24.70
3	16QAM	1	8	22.79	22.94	22.85	24.70
3	16QAM	1	14	22.92	23.07	22.86	24.70
3	16QAM	8	0	21.61	21.83	21.70	23.70
3	16QAM	8	4	21.82	21.97	21.84	23.70
3	16QAM	8	7	21.92	21.99	21.96	23.70
3	16QAM	15	0	21.74	21.95	21.73	23.70
3	64QAM	1	0	21.85	22.08	21.90	23.70
3	64QAM	1	8	21.96	22.10	22.02	23.70
3	64QAM	1	14	22.04	22.14	22.11	23.70
3	64QAM	8	0	20.78	20.89	20.77	22.70
3	64QAM	8	4	20.88	21.03	20.92	22.70
3	64QAM	8	7	20.81	20.98	20.98	22.70

3	64QAM	15	0	20.72	20.82	20.67	22.70
3	256QAM	1	0	18.73	18.91	18.67	20.70
3	256QAM	1	8	18.83	18.88	18.82	20.70
3	256QAM	1	14	18.78	18.99	18.84	20.70
3	256QAM	8	0	18.81	18.94	18.81	20.70
3	256QAM	8	4	18.90	19.05	18.97	20.70
3	256QAM	8	7	18.75	18.84	18.88	20.70
3	256QAM	15	0	18.86	19.02	18.96	20.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.67	23.84	23.84	25.70
1.4	QPSK	1	3	23.50	23.72	23.66	25.70
1.4	QPSK	1	5	23.48	23.63	23.56	25.70
1.4	QPSK	3	0	23.64	23.85	23.70	25.70
1.4	QPSK	3	1	23.83	23.95	23.73	25.70
1.4	QPSK	3	3	23.63	23.89	23.84	25.70
1.4	QPSK	6	0	22.84	22.82	22.76	24.70
1.4	16QAM	1	0	22.88	22.97	22.87	24.70
1.4	16QAM	1	3	22.82	22.99	22.89	24.70
1.4	16QAM	1	5	22.98	23.04	22.90	24.70
1.4	16QAM	3	0	22.63	22.78	22.64	24.70
1.4	16QAM	3	1	22.75	22.92	22.85	24.70
1.4	16QAM	3	3	22.90	22.93	22.98	24.70
1.4	16QAM	6	0	21.85	21.91	21.78	23.70
1.4	64QAM	1	0	21.82	22.12	21.92	23.70
1.4	64QAM	1	3	21.92	22.12	21.97	23.70
1.4	64QAM	1	5	22.08	22.15	22.02	23.70
1.4	64QAM	3	0	21.78	21.94	21.78	23.70
1.4	64QAM	3	1	21.83	21.91	21.80	23.70
1.4	64QAM	3	3	21.79	22.03	21.88	23.70
1.4	64QAM	6	0	20.68	20.84	20.69	22.70
1.4	256QAM	1	0	18.75	18.86	18.71	20.70
1.4	256QAM	1	3	18.83	18.88	18.86	20.70
1.4	256QAM	1	5	18.71	18.91	18.84	20.70
1.4	256QAM	3	0	18.70	18.93	18.81	20.70
1.4	256QAM	3	1	18.83	19.03	18.97	20.70
1.4	256QAM	3	3	18.66	18.89	18.88	20.70
1.4	256QAM	6	0	18.89	19.01	18.94	20.70

【LTE Band 2_Ant 4_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.38	16.40	16.34	18.20
20	QPSK	1	49	16.20	16.36	16.15	18.20
20	QPSK	1	99	16.30	16.38	16.30	18.20
20	QPSK	50	0	16.24	16.39	16.22	18.20
20	QPSK	50	24	16.22	16.35	16.17	18.20
20	QPSK	50	50	16.13	16.29	16.15	18.20
20	QPSK	100	0	16.23	16.36	16.22	18.20
20	16QAM	1	0	16.25	16.42	16.32	18.20
20	16QAM	1	49	16.29	16.37	16.18	18.20
20	16QAM	1	99	16.40	16.45	16.24	18.20
20	16QAM	50	0	16.36	16.42	16.35	18.20
20	16QAM	50	24	16.27	16.36	16.24	18.20
20	16QAM	50	50	16.27	16.40	16.32	18.20
20	16QAM	100	0	16.26	16.41	16.24	18.20
20	64QAM	1	0	16.31	16.37	16.19	18.20
20	64QAM	1	49	16.30	16.43	16.25	18.20
20	64QAM	1	99	16.32	16.47	16.30	18.20
20	64QAM	50	0	16.25	16.35	16.20	18.20
20	64QAM	50	24	16.18	16.33	16.15	18.20
20	64QAM	50	50	16.31	16.44	16.37	18.20
20	64QAM	100	0	16.37	16.45	16.31	18.20
20	256QAM	1	0	16.26	16.35	16.22	18.20
20	256QAM	1	49	16.37	16.42	16.26	18.20
20	256QAM	1	99	16.39	16.46	16.28	18.20
20	256QAM	50	0	16.36	16.46	16.35	18.20

20	256QAM	50	24	16.22	16.32	16.12	18.20
20	256QAM	50	50	16.21	16.38	16.28	18.20
20	256QAM	100	0	16.37	16.41	16.28	18.20
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	16.30	16.29	16.31	18.20
15	QPSK	1	37	16.13	16.34	16.11	18.20
15	QPSK	1	74	16.21	16.30	16.24	18.20
15	QPSK	36	0	16.16	16.33	16.18	18.20
15	QPSK	36	20	16.14	16.22	16.09	18.20
15	QPSK	36	39	16.08	16.17	16.12	18.20
15	QPSK	75	0	16.08	16.34	16.09	18.20
15	16QAM	1	0	16.14	16.40	16.23	18.20
15	16QAM	1	37	16.18	16.30	16.14	18.20
15	16QAM	1	74	16.33	16.30	16.11	18.20
15	16QAM	36	0	16.25	16.38	16.21	18.20
15	16QAM	36	20	16.20	16.30	16.23	18.20
15	16QAM	36	39	16.20	16.30	16.25	18.20
15	16QAM	75	0	16.20	16.27	16.15	18.20
15	64QAM	1	0	16.25	16.28	16.09	18.20
15	64QAM	1	37	16.20	16.39	16.23	18.20
15	64QAM	1	74	16.17	16.40	16.22	18.20
15	64QAM	36	0	16.14	16.21	16.08	18.20
15	64QAM	36	20	16.09	16.19	16.01	18.20
15	64QAM	36	39	16.20	16.36	16.25	18.20
15	64QAM	75	0	16.25	16.34	16.26	18.20
15	256QAM	1	0	16.19	16.32	16.21	18.20
15	256QAM	1	37	16.24	16.30	16.12	18.20
15	256QAM	1	74	16.33	16.41	16.27	18.20
15	256QAM	36	0	16.35	16.42	16.22	18.20
15	256QAM	36	20	16.19	16.19	16.03	18.20
15	256QAM	36	39	16.19	16.29	16.27	18.20
15	256QAM	75	0	16.23	16.28	16.24	18.20
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	16.24	16.32	16.22	18.20
10	QPSK	1	25	16.09	16.24	16.01	18.20
10	QPSK	1	49	16.20	16.26	16.22	18.20
10	QPSK	25	0	16.12	16.28	16.17	18.20
10	QPSK	25	12	16.16	16.30	16.16	18.20
10	QPSK	25	25	15.98	16.26	16.13	18.20
10	QPSK	50	0	16.12	16.24	16.07	18.20
10	16QAM	1	0	16.23	16.33	16.18	18.20
10	16QAM	1	25	16.16	16.28	16.10	18.20
10	16QAM	1	49	16.27	16.42	16.13	18.20
10	16QAM	25	0	16.25	16.30	16.27	18.20
10	16QAM	25	12	16.21	16.33	16.14	18.20
10	16QAM	25	25	16.14	16.26	16.25	18.20
10	16QAM	50	0	16.21	16.34	16.18	18.20
10	64QAM	1	0	16.21	16.29	16.17	18.20
10	64QAM	1	25	16.16	16.40	16.14	18.20
10	64QAM	1	49	16.26	16.37	16.21	18.20
10	64QAM	25	0	16.21	16.26	16.17	18.20
10	64QAM	25	12	16.09	16.28	16.03	18.20
10	64QAM	25	25	16.17	16.37	16.30	18.20
10	64QAM	50	0	16.29	16.35	16.18	18.20
10	256QAM	1	0	16.21	16.25	16.14	18.20
10	256QAM	1	25	16.24	16.33	16.20	18.20
10	256QAM	1	49	16.36	16.42	16.18	18.20
10	256QAM	25	0	16.30	16.39	16.25	18.20
10	256QAM	25	12	16.11	16.28	16.07	18.20
10	256QAM	25	25	16.17	16.35	16.14	18.20
10	256QAM	50	0	16.28	16.27	16.21	18.20
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	16.34	16.30	16.20	18.20
5	QPSK	1	12	16.19	16.26	16.10	18.20
5	QPSK	1	24	16.24	16.24	16.20	18.20
5	QPSK	12	0	16.21	16.30	16.20	18.20
5	QPSK	12	7	16.13	16.20	16.12	18.20
5	QPSK	12	13	16.09	16.22	16.12	18.20
5	QPSK	25	0	16.11	16.26	16.11	18.20
5	16QAM	1	0	16.18	16.41	16.28	18.20
5	16QAM	1	12	16.20	16.32	16.13	18.20

5	16QAM	1	24	16.28	16.35	16.23	18.20
5	16QAM	12	0	16.33	16.38	16.28	18.20
5	16QAM	12	7	16.14	16.23	16.22	18.20
5	16QAM	12	13	16.18	16.35	16.30	18.20
5	16QAM	25	0	16.18	16.33	16.21	18.20
5	64QAM	1	0	16.27	16.31	16.16	18.20
5	64QAM	1	12	16.26	16.34	16.13	18.20
5	64QAM	1	24	16.26	16.33	16.27	18.20
5	64QAM	12	0	16.22	16.27	16.09	18.20
5	64QAM	12	7	16.07	16.25	16.11	18.20
5	64QAM	12	13	16.23	16.41	16.31	18.20
5	64QAM	25	0	16.26	16.33	16.23	18.20
5	256QAM	1	0	16.15	16.33	16.15	18.20
5	256QAM	1	12	16.29	16.37	16.25	18.20
5	256QAM	1	24	16.35	16.42	16.23	18.20
5	256QAM	12	0	16.29	16.43	16.31	18.20
5	256QAM	12	7	16.16	16.21	15.98	18.20
5	256QAM	12	13	16.06	16.31	16.19	18.20
5	256QAM	25	0	16.34	16.29	16.15	18.20
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.30	16.30	16.25	18.20
3	QPSK	1	8	16.15	16.25	16.01	18.20
3	QPSK	1	14	16.29	16.23	16.23	18.20
3	QPSK	8	0	16.14	16.24	16.16	18.20
3	QPSK	8	4	16.14	16.20	16.15	18.20
3	QPSK	8	7	16.04	16.24	16.13	18.20
3	QPSK	15	0	16.13	16.24	16.07	18.20
3	16QAM	1	0	16.11	16.40	16.20	18.20
3	16QAM	1	8	16.20	16.28	16.11	18.20
3	16QAM	1	14	16.37	16.39	16.16	18.20
3	16QAM	8	0	16.32	16.35	16.22	18.20
3	16QAM	8	4	16.17	16.30	16.20	18.20
3	16QAM	8	7	16.19	16.29	16.24	18.20
3	16QAM	15	0	16.24	16.35	16.18	18.20
3	64QAM	1	0	16.25	16.31	16.06	18.20
3	64QAM	1	8	16.19	16.37	16.19	18.20
3	64QAM	1	14	16.30	16.45	16.23	18.20
3	64QAM	8	0	16.20	16.21	16.05	18.20
3	64QAM	8	4	16.10	16.21	16.12	18.20
3	64QAM	8	7	16.27	16.34	16.25	18.20
3	64QAM	15	0	16.31	16.40	16.29	18.20
3	256QAM	1	0	16.13	16.20	16.10	18.20
3	256QAM	1	8	16.29	16.27	16.16	18.20
3	256QAM	1	14	16.35	16.41	16.20	18.20
3	256QAM	8	0	16.29	16.35	16.24	18.20
3	256QAM	8	4	16.20	16.29	15.98	18.20
3	256QAM	8	7	16.16	16.27	16.26	18.20
3	256QAM	15	0	16.22	16.33	16.15	18.20
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	16.30	16.28	16.29	18.20
1.4	QPSK	1	3	16.08	16.21	16.04	18.20
1.4	QPSK	1	5	16.23	16.28	16.20	18.20
1.4	QPSK	3	0	16.11	16.27	16.09	18.20
1.4	QPSK	3	1	16.07	16.30	16.09	18.20
1.4	QPSK	3	3	16.03	16.25	16.10	18.20
1.4	QPSK	6	0	16.20	16.23	16.16	18.20
1.4	16QAM	1	0	16.10	16.34	16.30	18.20
1.4	16QAM	1	3	16.17	16.25	16.04	18.20
1.4	16QAM	1	5	16.28	16.34	16.17	18.20
1.4	16QAM	3	0	16.29	16.34	16.23	18.20
1.4	16QAM	3	1	16.18	16.26	16.14	18.20
1.4	16QAM	3	3	16.19	16.32	16.28	18.20
1.4	16QAM	6	0	16.23	16.28	16.09	18.20
1.4	64QAM	1	0	16.19	16.25	16.16	18.20
1.4	64QAM	1	3	16.27	16.34	16.23	18.20
1.4	64QAM	1	5	16.27	16.45	16.20	18.20
1.4	64QAM	3	0	16.20	16.34	16.06	18.20
1.4	64QAM	3	1	16.09	16.29	16.12	18.20
1.4	64QAM	3	3	16.17	16.34	16.27	18.20
1.4	64QAM	6	0	16.30	16.40	16.21	18.20
1.4	256QAM	1	0	16.19	16.23	16.12	18.20
1.4	256QAM	1	3	16.32	16.36	16.15	18.20

1.4	256QAM	1	5	16.30	16.40	16.16	18.20
1.4	256QAM	3	0	16.24	16.41	16.25	18.20
1.4	256QAM	3	1	16.19	16.29	16.06	18.20
1.4	256QAM	3	3	16.07	16.34	16.15	18.20
1.4	256QAM	6	0	16.29	16.37	16.15	18.20

【LTE Band 2_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.93	19.96	19.90	21.70
20	QPSK	1	49	19.83	19.92	19.83	21.70
20	QPSK	1	99	19.77	19.95	19.76	21.70
20	QPSK	50	0	19.80	19.88	19.72	21.70
20	QPSK	50	24	19.69	19.81	19.65	21.70
20	QPSK	50	50	19.74	19.81	19.72	21.70
20	QPSK	100	0	19.77	19.82	19.73	21.70
20	16QAM	1	0	19.74	19.83	19.70	21.70
20	16QAM	1	49	19.80	19.86	19.66	21.70
20	16QAM	1	99	19.85	19.96	19.77	21.70
20	16QAM	50	0	19.83	19.90	19.76	21.70
20	16QAM	50	24	19.70	19.85	19.74	21.70
20	16QAM	50	50	19.73	19.85	19.75	21.70
20	16QAM	100	0	19.76	19.81	19.80	21.70
20	64QAM	1	0	19.79	19.95	19.78	21.70
20	64QAM	1	49	19.68	19.84	19.74	21.70
20	64QAM	1	99	19.82	19.92	19.76	21.70
20	64QAM	50	0	19.76	19.86	19.73	21.70
20	64QAM	50	24	19.83	19.93	19.79	21.70
20	64QAM	50	50	19.68	19.83	19.69	21.70
20	64QAM	100	0	19.73	19.87	19.79	21.70
20	256QAM	1	0	18.99	19.04	18.85	20.70
20	256QAM	1	49	18.91	18.96	18.78	20.70
20	256QAM	1	99	18.86	18.95	18.81	20.70
20	256QAM	50	0	18.88	18.94	18.79	20.70
20	256QAM	50	24	18.68	18.85	18.74	20.70
20	256QAM	50	50	18.73	18.86	18.71	20.70
20	256QAM	100	0	18.75	18.83	18.79	20.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.89	19.82	19.76	21.70
15	QPSK	1	37	19.80	19.81	19.70	21.70
15	QPSK	1	74	19.65	19.82	19.72	21.70
15	QPSK	36	0	19.66	19.86	19.68	21.70
15	QPSK	36	20	19.64	19.68	19.50	21.70
15	QPSK	36	39	19.66	19.79	19.71	21.70
15	QPSK	75	0	19.71	19.68	19.62	21.70
15	16QAM	1	0	19.72	19.75	19.58	21.70
15	16QAM	1	37	19.75	19.80	19.63	21.70
15	16QAM	1	74	19.83	19.91	19.72	21.70
15	16QAM	36	0	19.71	19.78	19.62	21.70
15	16QAM	36	20	19.64	19.77	19.61	21.70
15	16QAM	36	39	19.58	19.84	19.62	21.70
15	16QAM	75	0	19.75	19.67	19.60	21.70
15	64QAM	1	0	19.77	19.93	19.76	21.70
15	64QAM	1	37	19.55	19.82	19.66	21.70
15	64QAM	1	74	19.73	19.86	19.74	21.70
15	64QAM	36	0	19.68	19.77	19.62	21.70
15	64QAM	36	20	19.79	19.83	19.68	21.70
15	64QAM	36	39	19.59	19.69	19.66	21.70
15	64QAM	75	0	19.64	19.85	19.78	21.70
15	256QAM	1	0	18.84	18.91	18.77	20.70
15	256QAM	1	37	18.89	18.92	18.67	20.70
15	256QAM	1	74	18.82	18.81	18.70	20.70
15	256QAM	36	0	18.82	18.81	18.69	20.70
15	256QAM	36	20	18.54	18.76	18.64	20.70
15	256QAM	36	39	18.60	18.83	18.62	20.70
15	256QAM	75	0	18.67	18.78	18.55	20.70

Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	19.84	19.82	19.81	21.70
10	QPSK	1	25	19.79	19.84	19.78	21.70
10	QPSK	1	49	19.73	19.81	19.72	21.70
10	QPSK	25	0	19.70	19.82	19.68	21.70
10	QPSK	25	12	19.55	19.76	19.60	21.70
10	QPSK	25	25	19.64	19.70	19.70	21.70
10	QPSK	50	0	19.67	19.68	19.71	21.70
10	16QAM	1	0	19.60	19.70	19.62	21.70
10	16QAM	1	25	19.68	19.85	19.54	21.70
10	16QAM	1	49	19.79	19.88	19.76	21.70
10	16QAM	25	0	19.71	19.81	19.63	21.70
10	16QAM	25	12	19.57	19.83	19.60	21.70
10	16QAM	25	25	19.59	19.75	19.60	21.70
10	16QAM	50	0	19.72	19.73	19.59	21.70
10	64QAM	1	0	19.77	19.93	19.72	21.70
10	64QAM	1	25	19.56	19.73	19.65	21.70
10	64QAM	1	49	19.70	19.84	19.68	21.70
10	64QAM	25	0	19.68	19.77	19.65	21.70
10	64QAM	25	12	19.73	19.85	19.75	21.70
10	64QAM	25	25	19.64	19.74	19.60	21.70
10	64QAM	50	0	19.58	19.82	19.66	21.70
10	256QAM	1	0	18.88	18.97	18.73	20.70
10	256QAM	1	25	18.86	18.91	18.73	20.70
10	256QAM	1	49	18.75	18.92	18.71	20.70
10	256QAM	25	0	18.82	18.80	18.73	20.70
10	256QAM	25	12	18.56	18.79	18.62	20.70
10	256QAM	25	25	18.63	18.78	18.57	20.70
10	256QAM	50	0	18.69	18.77	18.58	20.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.82	19.83	19.76	21.70
5	QPSK	1	12	19.69	19.78	19.77	21.70
5	QPSK	1	24	19.75	19.84	19.73	21.70
5	QPSK	12	0	19.68	19.86	19.60	21.70
5	QPSK	12	7	19.58	19.70	19.56	21.70
5	QPSK	12	13	19.65	19.75	19.69	21.70
5	QPSK	25	0	19.63	19.80	19.71	21.70
5	16QAM	1	0	19.63	19.81	19.63	21.70
5	16QAM	1	12	19.73	19.83	19.63	21.70
5	16QAM	1	24	19.79	19.85	19.62	21.70
5	16QAM	12	0	19.75	19.79	19.63	21.70
5	16QAM	12	7	19.65	19.81	19.69	21.70
5	16QAM	12	13	19.71	19.71	19.69	21.70
5	16QAM	25	0	19.69	19.69	19.53	21.70
5	64QAM	1	0	19.66	19.86	19.66	21.70
5	64QAM	1	12	19.55	19.73	19.67	21.70
5	64QAM	1	24	19.70	19.79	19.71	21.70
5	64QAM	12	0	19.64	19.74	19.71	21.70
5	64QAM	12	7	19.80	19.89	19.71	21.70
5	64QAM	12	13	19.61	19.80	19.65	21.70
5	64QAM	25	0	19.68	19.77	19.76	21.70
5	256QAM	1	0	18.88	18.90	18.75	20.70
5	256QAM	1	12	18.85	18.81	18.75	20.70
5	256QAM	1	24	18.77	18.81	18.67	20.70
5	256QAM	12	0	18.78	18.90	18.66	20.70
5	256QAM	12	7	18.62	18.76	18.70	20.70
5	256QAM	12	13	18.66	18.79	18.63	20.70
5	256QAM	25	0	18.73	18.79	18.57	20.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.91	19.95	19.87	21.70
3	QPSK	1	8	19.76	19.80	19.79	21.70
3	QPSK	1	14	19.66	19.89	19.65	21.70
3	QPSK	8	0	19.77	19.80	19.58	21.70
3	QPSK	8	4	19.61	19.78	19.60	21.70
3	QPSK	8	7	19.71	19.67	19.57	21.70
3	QPSK	15	0	19.75	19.73	19.67	21.70
3	16QAM	1	0	19.69	19.77	19.59	21.70
3	16QAM	1	8	19.76	19.82	19.52	21.70
3	16QAM	1	14	19.73	19.92	19.69	21.70
3	16QAM	8	0	19.80	19.76	19.68	21.70
3	16QAM	8	4	19.55	19.83	19.70	21.70

3	16QAM	8	7	19.59	19.79	19.72	21.70
3	16QAM	15	0	19.69	19.72	19.65	21.70
3	64QAM	1	0	19.65	19.86	19.63	21.70
3	64QAM	1	8	19.54	19.73	19.61	21.70
3	64QAM	1	14	19.71	19.85	19.70	21.70
3	64QAM	8	0	19.70	19.73	19.62	21.70
3	64QAM	8	4	19.70	19.83	19.75	21.70
3	64QAM	8	7	19.63	19.79	19.59	21.70
3	64QAM	15	0	19.66	19.74	19.76	21.70
3	256QAM	1	0	18.96	18.95	18.71	20.70
3	256QAM	1	8	18.81	18.93	18.74	20.70
3	256QAM	1	14	18.81	18.86	18.77	20.70
3	256QAM	8	0	18.87	18.84	18.71	20.70
3	256QAM	8	4	18.65	18.72	18.73	20.70
3	256QAM	8	7	18.66	18.80	18.65	20.70
3	256QAM	15	0	18.66	18.72	18.58	20.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.81	19.83	19.89	21.70
1.4	QPSK	1	3	19.69	19.83	19.82	21.70
1.4	QPSK	1	5	19.62	19.83	19.66	21.70
1.4	QPSK	3	0	19.78	19.82	19.67	21.70
1.4	QPSK	3	1	19.62	19.67	19.62	21.70
1.4	QPSK	3	3	19.64	19.77	19.64	21.70
1.4	QPSK	6	0	19.70	19.72	19.61	21.70
1.4	16QAM	1	0	19.59	19.78	19.61	21.70
1.4	16QAM	1	3	19.77	19.79	19.54	21.70
1.4	16QAM	1	5	19.76	19.83	19.69	21.70
1.4	16QAM	3	0	19.72	19.75	19.64	21.70
1.4	16QAM	3	1	19.67	19.80	19.73	21.70
1.4	16QAM	3	3	19.69	19.77	19.69	21.70
1.4	16QAM	6	0	19.63	19.70	19.60	21.70
1.4	64QAM	1	0	19.64	19.89	19.67	21.70
1.4	64QAM	1	3	19.65	19.78	19.70	21.70
1.4	64QAM	1	5	19.70	19.82	19.73	21.70
1.4	64QAM	3	0	19.62	19.76	19.69	21.70
1.4	64QAM	3	1	19.77	19.80	19.67	21.70
1.4	64QAM	3	3	19.60	19.81	19.54	21.70
1.4	64QAM	6	0	19.65	19.76	19.77	21.70
1.4	256QAM	1	0	18.84	18.97	18.71	20.70
1.4	256QAM	1	3	18.88	18.87	18.68	20.70
1.4	256QAM	1	5	18.77	18.94	18.77	20.70
1.4	256QAM	3	0	18.83	18.90	18.77	20.70
1.4	256QAM	3	1	18.61	18.82	18.66	20.70
1.4	256QAM	3	3	18.62	18.79	18.63	20.70
1.4	256QAM	6	0	18.63	18.79	18.63	20.70

【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	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.81	23.89	23.85	25.70
20	QPSK	1	49	23.56	23.75	23.68	25.70
20	QPSK	1	99	23.60	23.74	23.63	25.70
20	QPSK	50	0	22.74	22.93	22.79	24.70
20	QPSK	50	24	22.65	22.83	22.79	24.70
20	QPSK	50	50	22.69	22.92	22.64	24.70
20	QPSK	100	0	22.86	22.90	22.87	24.70
20	16QAM	1	0	22.91	23.10	22.93	24.70
20	16QAM	1	49	22.92	23.06	22.92	24.70
20	16QAM	1	99	23.01	23.10	22.99	24.70
20	16QAM	50	0	21.72	21.92	21.74	23.70
20	16QAM	50	24	21.84	22.01	21.91	23.70
20	16QAM	50	50	21.97	22.06	21.99	23.70
20	16QAM	100	0	21.87	21.99	21.81	23.70
20	64QAM	1	0	21.95	22.13	21.96	23.70
20	64QAM	1	49	21.99	22.19	22.05	23.70
20	64QAM	1	99	22.12	22.24	22.12	23.70

20	64QAM	50	0	20.85	21.01	20.89	22.70
20	64QAM	50	24	20.96	21.05	20.94	22.70
20	64QAM	50	50	20.89	21.09	20.99	22.70
20	64QAM	100	0	20.82	20.96	20.82	22.70
20	256QAM	1	0	18.83	18.96	18.81	20.70
20	256QAM	1	49	18.86	18.99	18.87	20.70
20	256QAM	1	99	18.80	19.01	18.86	20.70
20	256QAM	50	0	18.84	19.05	18.88	20.70
20	256QAM	50	24	18.94	19.10	19.03	20.70
20	256QAM	50	50	18.77	18.97	18.90	20.70
20	256QAM	100	0	18.93	19.08	19.02	20.70
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	23.74	23.77	23.78	25.70
15	QPSK	1	37	23.47	23.68	23.63	25.70
15	QPSK	1	74	23.49	23.68	23.49	25.70
15	QPSK	36	0	22.72	22.79	22.67	24.70
15	QPSK	36	20	22.78	22.86	22.75	24.70
15	QPSK	36	39	22.65	22.85	22.75	24.70
15	QPSK	75	0	22.79	22.83	22.76	24.70
15	16QAM	1	0	22.82	22.95	22.81	24.70
15	16QAM	1	37	22.82	22.93	22.87	24.70
15	16QAM	1	74	22.94	22.97	22.87	24.70
15	16QAM	36	0	21.64	21.84	21.71	23.70
15	16QAM	36	20	21.73	21.98	21.84	23.70
15	16QAM	36	39	21.95	21.94	21.92	23.70
15	16QAM	75	0	21.83	21.91	21.75	23.70
15	64QAM	1	0	21.89	22.07	21.84	23.70
15	64QAM	1	37	21.98	22.05	21.96	23.70
15	64QAM	1	74	22.03	22.20	22.01	23.70
15	64QAM	36	0	20.82	20.92	20.83	22.70
15	64QAM	36	20	20.91	20.94	20.88	22.70
15	64QAM	36	39	20.79	21.03	20.96	22.70
15	64QAM	75	0	20.70	20.89	20.70	22.70
15	256QAM	1	0	18.81	18.95	18.75	20.70
15	256QAM	1	37	18.74	18.95	18.78	20.70
15	256QAM	1	74	18.70	18.94	18.71	20.70
15	256QAM	36	0	18.74	18.96	18.82	20.70
15	256QAM	36	20	18.89	19.02	18.89	20.70
15	256QAM	36	39	18.69	18.83	18.77	20.70
15	256QAM	75	0	18.83	19.06	18.99	20.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.71	23.84	23.79	25.70
10	QPSK	1	25	23.41	23.61	23.66	25.70
10	QPSK	1	49	23.49	23.60	23.62	25.70
10	QPSK	25	0	22.60	22.89	22.66	24.70
10	QPSK	25	12	22.70	22.91	22.69	24.70
10	QPSK	25	25	22.67	22.88	22.74	24.70
10	QPSK	50	0	22.75	22.88	22.74	24.70
10	16QAM	1	0	22.84	23.09	22.88	24.70
10	16QAM	1	25	22.90	22.92	22.80	24.70
10	16QAM	1	49	22.90	23.08	22.96	24.70
10	16QAM	25	0	21.61	21.85	21.62	23.70
10	16QAM	25	12	21.83	21.87	21.85	23.70
10	16QAM	25	25	21.87	21.93	21.94	23.70
10	16QAM	50	0	21.80	21.92	21.72	23.70
10	64QAM	1	0	21.92	22.09	21.85	23.70
10	64QAM	1	25	21.95	22.09	21.99	23.70
10	64QAM	1	49	22.07	22.15	22.01	23.70
10	64QAM	25	0	20.81	20.92	20.75	22.70
10	64QAM	25	12	20.86	20.91	20.82	22.70
10	64QAM	25	25	20.82	20.94	20.94	22.70
10	64QAM	50	0	20.69	20.93	20.79	22.70
10	256QAM	1	0	18.71	18.94	18.79	20.70
10	256QAM	1	25	18.72	18.93	18.72	20.70
10	256QAM	1	49	18.72	18.87	18.71	20.70
10	256QAM	25	0	18.82	19.03	18.74	20.70
10	256QAM	25	12	18.84	19.02	18.89	20.70
10	256QAM	25	25	18.69	18.94	18.83	20.70
10	256QAM	50	0	18.88	19.04	18.91	20.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.73	23.83	23.77	25.70

5	QPSK	1	12	23.54	23.61	23.57	25.70
5	QPSK	1	24	23.50	23.70	23.56	25.70
5	QPSK	12	0	22.62	22.87	22.75	24.70
5	QPSK	12	7	22.72	22.94	22.74	24.70
5	QPSK	12	13	22.75	22.83	22.81	24.70
5	QPSK	25	0	22.76	22.92	22.84	24.70
5	16QAM	1	0	22.77	22.98	22.84	24.70
5	16QAM	1	12	22.88	22.97	22.77	24.70
5	16QAM	1	24	22.96	22.96	22.85	24.70
5	16QAM	12	0	21.63	21.85	21.68	23.70
5	16QAM	12	7	21.74	21.99	21.80	23.70
5	16QAM	12	13	21.96	21.96	21.91	23.70
5	16QAM	25	0	21.83	21.91	21.73	23.70
5	64QAM	1	0	21.80	22.10	21.85	23.70
5	64QAM	1	12	21.85	22.15	21.92	23.70
5	64QAM	1	24	22.06	22.21	22.03	23.70
5	64QAM	12	0	20.72	20.93	20.78	22.70
5	64QAM	12	7	20.90	20.97	20.83	22.70
5	64QAM	12	13	20.82	21.07	20.87	22.70
5	64QAM	25	0	20.80	20.83	20.81	22.70
5	256QAM	1	0	18.71	18.82	18.77	20.70
5	256QAM	1	12	18.78	18.85	18.86	20.70
5	256QAM	1	24	18.76	18.89	18.78	20.70
5	256QAM	12	0	18.80	18.99	18.86	20.70
5	256QAM	12	7	18.81	18.97	18.90	20.70
5	256QAM	12	13	18.69	18.82	18.77	20.70
5	256QAM	25	0	18.86	18.95	18.97	20.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.74	23.77	23.73	25.70
3	QPSK	1	8	23.53	23.73	23.57	25.70
3	QPSK	1	14	23.46	23.63	23.48	25.70
3	QPSK	8	0	22.68	22.91	22.73	24.70
3	QPSK	8	4	22.80	22.87	22.78	24.70
3	QPSK	8	7	22.67	22.87	22.84	24.70
3	QPSK	15	0	22.77	22.94	22.84	24.70
3	16QAM	1	0	22.88	22.98	22.81	24.70
3	16QAM	1	8	22.79	22.94	22.85	24.70
3	16QAM	1	14	22.92	23.07	22.86	24.70
3	16QAM	8	0	21.61	21.83	21.70	23.70
3	16QAM	8	4	21.82	21.97	21.84	23.70
3	16QAM	8	7	21.92	21.99	21.96	23.70
3	16QAM	15	0	21.74	21.95	21.73	23.70
3	64QAM	1	0	21.85	22.08	21.90	23.70
3	64QAM	1	8	21.96	22.10	22.02	23.70
3	64QAM	1	14	22.04	22.14	22.11	23.70
3	64QAM	8	0	20.78	20.89	20.77	22.70
3	64QAM	8	4	20.88	21.03	20.92	22.70
3	64QAM	8	7	20.81	20.98	20.98	22.70
3	64QAM	15	0	20.72	20.82	20.67	22.70
3	256QAM	1	0	18.73	18.91	18.67	20.70
3	256QAM	1	8	18.83	18.88	18.82	20.70
3	256QAM	1	14	18.78	18.99	18.84	20.70
3	256QAM	8	0	18.81	18.94	18.81	20.70
3	256QAM	8	4	18.90	19.05	18.97	20.70
3	256QAM	8	7	18.75	18.84	18.88	20.70
3	256QAM	15	0	18.86	19.02	18.96	20.70
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	23.67	23.84	23.84	25.70
1.4	QPSK	1	3	23.50	23.72	23.66	25.70
1.4	QPSK	1	5	23.48	23.63	23.56	25.70
1.4	QPSK	3	0	23.64	23.85	23.70	25.70
1.4	QPSK	3	1	23.83	23.95	23.73	25.70
1.4	QPSK	3	3	23.63	23.89	23.84	25.70
1.4	QPSK	6	0	22.84	22.82	22.76	24.70
1.4	16QAM	1	0	22.88	22.97	22.87	24.70
1.4	16QAM	1	3	22.82	22.99	22.89	24.70
1.4	16QAM	1	5	22.98	23.04	22.90	24.70
1.4	16QAM	3	0	22.63	22.78	22.64	24.70
1.4	16QAM	3	1	22.75	22.92	22.85	24.70
1.4	16QAM	3	3	22.90	22.93	22.98	24.70
1.4	16QAM	6	0	21.85	21.91	21.78	23.70
1.4	64QAM	1	0	21.82	22.12	21.92	23.70

1.4	64QAM	1	3	21.92	22.12	21.97	23.70
1.4	64QAM	1	5	22.08	22.15	22.02	23.70
1.4	64QAM	3	0	21.78	21.94	21.78	23.70
1.4	64QAM	3	1	21.83	21.91	21.80	23.70
1.4	64QAM	3	3	21.79	22.03	21.88	23.70
1.4	64QAM	6	0	20.68	20.84	20.69	22.70
1.4	256QAM	1	0	18.75	18.86	18.71	20.70
1.4	256QAM	1	3	18.83	18.88	18.86	20.70
1.4	256QAM	1	5	18.71	18.91	18.84	20.70
1.4	256QAM	3	0	18.70	18.93	18.81	20.70
1.4	256QAM	3	1	18.83	19.03	18.97	20.70
1.4	256QAM	3	3	18.66	18.89	18.88	20.70
1.4	256QAM	6	0	18.89	19.01	18.94	20.70

【LTE Band 2_Ant 4_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.38	16.40	16.34	18.20
20	QPSK	1	49	16.20	16.36	16.15	18.20
20	QPSK	1	99	16.30	16.38	16.30	18.20
20	QPSK	50	0	16.24	16.39	16.22	18.20
20	QPSK	50	24	16.22	16.35	16.17	18.20
20	QPSK	50	50	16.13	16.29	16.15	18.20
20	QPSK	100	0	16.23	16.36	16.22	18.20
20	16QAM	1	0	16.25	16.42	16.32	18.20
20	16QAM	1	49	16.29	16.37	16.18	18.20
20	16QAM	1	99	16.40	16.45	16.24	18.20
20	16QAM	50	0	16.36	16.42	16.35	18.20
20	16QAM	50	24	16.27	16.36	16.24	18.20
20	16QAM	50	50	16.27	16.40	16.32	18.20
20	16QAM	100	0	16.26	16.41	16.24	18.20
20	64QAM	1	0	16.31	16.37	16.19	18.20
20	64QAM	1	49	16.30	16.43	16.25	18.20
20	64QAM	1	99	16.32	16.47	16.30	18.20
20	64QAM	50	0	16.25	16.35	16.20	18.20
20	64QAM	50	24	16.18	16.33	16.15	18.20
20	64QAM	50	50	16.31	16.44	16.37	18.20
20	64QAM	100	0	16.37	16.45	16.31	18.20
20	256QAM	1	0	16.26	16.35	16.22	18.20
20	256QAM	1	49	16.37	16.42	16.26	18.20
20	256QAM	1	99	16.39	16.46	16.28	18.20
20	256QAM	50	0	16.36	16.46	16.35	18.20
20	256QAM	50	24	16.22	16.32	16.12	18.20
20	256QAM	50	50	16.21	16.38	16.28	18.20
20	256QAM	100	0	16.37	16.41	16.28	18.20
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.30	16.29	16.31	18.20
15	QPSK	1	37	16.13	16.34	16.11	18.20
15	QPSK	1	74	16.21	16.30	16.24	18.20
15	QPSK	36	0	16.16	16.33	16.18	18.20
15	QPSK	36	20	16.14	16.22	16.09	18.20
15	QPSK	36	39	16.08	16.17	16.12	18.20
15	QPSK	75	0	16.08	16.34	16.09	18.20
15	16QAM	1	0	16.14	16.40	16.23	18.20
15	16QAM	1	37	16.18	16.30	16.14	18.20
15	16QAM	1	74	16.33	16.30	16.11	18.20
15	16QAM	36	0	16.25	16.38	16.21	18.20
15	16QAM	36	20	16.20	16.30	16.23	18.20
15	16QAM	36	39	16.20	16.30	16.25	18.20
15	16QAM	75	0	16.20	16.27	16.15	18.20
15	64QAM	1	0	16.25	16.28	16.09	18.20
15	64QAM	1	37	16.20	16.39	16.23	18.20
15	64QAM	1	74	16.17	16.40	16.22	18.20
15	64QAM	36	0	16.14	16.21	16.08	18.20
15	64QAM	36	20	16.09	16.19	16.01	18.20
15	64QAM	36	39	16.20	16.36	16.25	18.20

15	64QAM	75	0	16.25	16.34	16.26	18.20
15	256QAM	1	0	16.19	16.32	16.21	18.20
15	256QAM	1	37	16.24	16.30	16.12	18.20
15	256QAM	1	74	16.33	16.41	16.27	18.20
15	256QAM	36	0	16.35	16.42	16.22	18.20
15	256QAM	36	20	16.19	16.19	16.03	18.20
15	256QAM	36	39	16.19	16.29	16.27	18.20
15	256QAM	75	0	16.23	16.28	16.24	18.20
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.24	16.32	16.22	18.20
10	QPSK	1	25	16.09	16.24	16.01	18.20
10	QPSK	1	49	16.20	16.26	16.22	18.20
10	QPSK	25	0	16.12	16.28	16.17	18.20
10	QPSK	25	12	16.16	16.30	16.16	18.20
10	QPSK	25	25	15.98	16.26	16.13	18.20
10	QPSK	50	0	16.12	16.24	16.07	18.20
10	16QAM	1	0	16.23	16.33	16.18	18.20
10	16QAM	1	25	16.16	16.28	16.10	18.20
10	16QAM	1	49	16.27	16.42	16.13	18.20
10	16QAM	25	0	16.25	16.30	16.27	18.20
10	16QAM	25	12	16.21	16.33	16.14	18.20
10	16QAM	25	25	16.14	16.26	16.25	18.20
10	16QAM	50	0	16.21	16.34	16.18	18.20
10	64QAM	1	0	16.21	16.29	16.17	18.20
10	64QAM	1	25	16.16	16.40	16.14	18.20
10	64QAM	1	49	16.26	16.37	16.21	18.20
10	64QAM	25	0	16.21	16.26	16.17	18.20
10	64QAM	25	12	16.09	16.28	16.03	18.20
10	64QAM	25	25	16.17	16.37	16.30	18.20
10	64QAM	50	0	16.29	16.35	16.18	18.20
10	256QAM	1	0	16.21	16.25	16.14	18.20
10	256QAM	1	25	16.24	16.33	16.20	18.20
10	256QAM	1	49	16.36	16.42	16.18	18.20
10	256QAM	25	0	16.30	16.39	16.25	18.20
10	256QAM	25	12	16.11	16.28	16.07	18.20
10	256QAM	25	25	16.17	16.35	16.14	18.20
10	256QAM	50	0	16.28	16.27	16.21	18.20
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.34	16.30	16.20	18.20
5	QPSK	1	12	16.19	16.26	16.10	18.20
5	QPSK	1	24	16.24	16.24	16.20	18.20
5	QPSK	12	0	16.21	16.30	16.20	18.20
5	QPSK	12	7	16.13	16.20	16.12	18.20
5	QPSK	12	13	16.09	16.22	16.12	18.20
5	QPSK	25	0	16.11	16.26	16.11	18.20
5	16QAM	1	0	16.18	16.41	16.28	18.20
5	16QAM	1	12	16.20	16.32	16.13	18.20
5	16QAM	1	24	16.28	16.35	16.23	18.20
5	16QAM	12	0	16.33	16.38	16.28	18.20
5	16QAM	12	7	16.14	16.23	16.22	18.20
5	16QAM	12	13	16.18	16.35	16.30	18.20
5	16QAM	25	0	16.18	16.33	16.21	18.20
5	64QAM	1	0	16.27	16.31	16.16	18.20
5	64QAM	1	12	16.26	16.34	16.13	18.20
5	64QAM	1	24	16.26	16.33	16.27	18.20
5	64QAM	12	0	16.22	16.27	16.09	18.20
5	64QAM	12	7	16.07	16.25	16.11	18.20
5	64QAM	12	13	16.23	16.41	16.31	18.20
5	64QAM	25	0	16.26	16.33	16.23	18.20
5	256QAM	1	0	16.15	16.33	16.15	18.20
5	256QAM	1	12	16.29	16.37	16.25	18.20
5	256QAM	1	24	16.35	16.42	16.23	18.20
5	256QAM	12	0	16.29	16.43	16.31	18.20
5	256QAM	12	7	16.16	16.21	15.98	18.20
5	256QAM	12	13	16.06	16.31	16.19	18.20
5	256QAM	25	0	16.34	16.29	16.15	18.20
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.30	16.30	16.25	18.20
3	QPSK	1	8	16.15	16.25	16.01	18.20
3	QPSK	1	14	16.29	16.23	16.23	18.20
3	QPSK	8	0	16.14	16.24	16.16	18.20

3	QPSK	8	4	16.14	16.20	16.15	18.20
3	QPSK	8	7	16.04	16.24	16.13	18.20
3	QPSK	15	0	16.13	16.24	16.07	18.20
3	16QAM	1	0	16.11	16.40	16.20	18.20
3	16QAM	1	8	16.20	16.28	16.11	18.20
3	16QAM	1	14	16.37	16.39	16.16	18.20
3	16QAM	8	0	16.32	16.35	16.22	18.20
3	16QAM	8	4	16.17	16.30	16.20	18.20
3	16QAM	8	7	16.19	16.29	16.24	18.20
3	16QAM	15	0	16.24	16.35	16.18	18.20
3	64QAM	1	0	16.25	16.31	16.06	18.20
3	64QAM	1	8	16.19	16.37	16.19	18.20
3	64QAM	1	14	16.30	16.45	16.23	18.20
3	64QAM	8	0	16.20	16.21	16.05	18.20
3	64QAM	8	4	16.10	16.21	16.12	18.20
3	64QAM	8	7	16.27	16.34	16.25	18.20
3	64QAM	15	0	16.31	16.40	16.29	18.20
3	256QAM	1	0	16.13	16.20	16.10	18.20
3	256QAM	1	8	16.29	16.27	16.16	18.20
3	256QAM	1	14	16.35	16.41	16.20	18.20
3	256QAM	8	0	16.29	16.35	16.24	18.20
3	256QAM	8	4	16.20	16.29	15.98	18.20
3	256QAM	8	7	16.16	16.27	16.26	18.20
3	256QAM	15	0	16.22	16.33	16.15	18.20
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.30	16.28	16.29	18.20
1.4	QPSK	1	3	16.08	16.21	16.04	18.20
1.4	QPSK	1	5	16.23	16.28	16.20	18.20
1.4	QPSK	3	0	16.11	16.27	16.09	18.20
1.4	QPSK	3	1	16.07	16.30	16.09	18.20
1.4	QPSK	3	3	16.03	16.25	16.10	18.20
1.4	QPSK	6	0	16.20	16.23	16.16	18.20
1.4	16QAM	1	0	16.10	16.34	16.30	18.20
1.4	16QAM	1	3	16.17	16.25	16.04	18.20
1.4	16QAM	1	5	16.28	16.34	16.17	18.20
1.4	16QAM	3	0	16.29	16.34	16.23	18.20
1.4	16QAM	3	1	16.18	16.26	16.14	18.20
1.4	16QAM	3	3	16.19	16.32	16.28	18.20
1.4	16QAM	6	0	16.23	16.28	16.09	18.20
1.4	64QAM	1	0	16.19	16.25	16.16	18.20
1.4	64QAM	1	3	16.27	16.34	16.23	18.20
1.4	64QAM	1	5	16.27	16.45	16.20	18.20
1.4	64QAM	3	0	16.20	16.34	16.06	18.20
1.4	64QAM	3	1	16.09	16.29	16.12	18.20
1.4	64QAM	3	3	16.17	16.34	16.27	18.20
1.4	64QAM	6	0	16.30	16.40	16.21	18.20
1.4	256QAM	1	0	16.19	16.23	16.12	18.20
1.4	256QAM	1	3	16.32	16.36	16.15	18.20
1.4	256QAM	1	5	16.30	16.40	16.16	18.20
1.4	256QAM	3	0	16.24	16.41	16.25	18.20
1.4	256QAM	3	1	16.19	16.29	16.06	18.20
1.4	256QAM	3	3	16.07	16.34	16.15	18.20
1.4	256QAM	6	0	16.29	16.37	16.15	18.20

【LTE Band 2_Ant 6_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	24.50	24.55	24.37	25.70
20	QPSK	1	49	23.93	24.05	23.81	25.70
20	QPSK	1	99	23.88	24.05	23.85	25.70
20	QPSK	50	0	23.19	23.29	23.04	24.70
20	QPSK	50	24	23.06	23.14	22.95	24.70
20	QPSK	50	50	23.06	23.22	22.98	24.70
20	QPSK	100	0	23.03	23.21	23.03	24.70
20	16QAM	1	0	23.40	23.58	23.37	24.70
20	16QAM	1	49	23.41	23.56	23.26	24.70
20	16QAM	1	99	23.74	23.81	23.60	24.70
20	16QAM	50	0	22.15	22.23	22.00	23.70
20	16QAM	50	24	21.98	22.11	21.81	23.70
20	16QAM	50	50	22.13	22.22	21.97	23.70

20	16QAM	100	0	22.10	22.17	21.99	23.70
20	64QAM	1	0	22.68	22.77	22.47	23.70
20	64QAM	1	49	22.29	22.42	22.11	23.70
20	64QAM	1	99	22.43	22.60	22.40	23.70
20	64QAM	50	0	21.11	21.24	21.02	22.70
20	64QAM	50	24	21.35	21.45	21.16	22.70
20	64QAM	50	50	20.91	21.02	20.82	22.70
20	64QAM	100	0	20.95	21.14	20.93	22.70
20	256QAM	1	0	19.36	19.51	19.34	20.70
20	256QAM	1	49	19.50	19.57	19.29	20.70
20	256QAM	1	99	19.37	19.50	19.27	20.70
20	256QAM	50	0	18.91	19.08	18.91	20.70
20	256QAM	50	24	19.05	19.14	18.87	20.70
20	256QAM	50	50	19.05	19.13	18.87	20.70
20	256QAM	100	0	19.14	19.31	19.05	20.70
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	24.38	24.52	24.24	25.70
15	QPSK	1	37	23.82	23.98	23.77	25.70
15	QPSK	1	74	23.84	24.03	23.77	25.70
15	QPSK	36	0	23.16	23.22	22.94	24.70
15	QPSK	36	20	23.00	23.07	22.81	24.70
15	QPSK	36	39	23.05	23.20	22.88	24.70
15	QPSK	75	0	22.96	23.09	22.97	24.70
15	16QAM	1	0	23.34	23.50	23.27	24.70
15	16QAM	1	37	23.35	23.44	23.17	24.70
15	16QAM	1	74	23.61	23.67	23.49	24.70
15	16QAM	36	0	22.10	22.12	21.95	23.70
15	16QAM	36	20	21.94	22.05	21.76	23.70
15	16QAM	36	39	22.00	22.19	21.84	23.70
15	16QAM	75	0	22.04	22.07	21.97	23.70
15	64QAM	1	0	22.54	22.68	22.38	23.70
15	64QAM	1	37	22.21	22.34	22.03	23.70
15	64QAM	1	74	22.40	22.56	22.31	23.70
15	64QAM	36	0	21.01	21.22	20.99	22.70
15	64QAM	36	20	21.28	21.41	21.02	22.70
15	64QAM	36	39	20.80	20.88	20.75	22.70
15	64QAM	75	0	20.85	21.11	20.91	22.70
15	256QAM	1	0	19.26	19.45	19.28	20.70
15	256QAM	1	37	19.42	19.46	19.19	20.70
15	256QAM	1	74	19.27	19.48	19.16	20.70
15	256QAM	36	0	18.86	19.04	18.89	20.70
15	256QAM	36	20	18.98	19.10	18.83	20.70
15	256QAM	36	39	19.00	19.01	18.79	20.70
15	256QAM	75	0	19.11	19.25	18.99	20.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	24.47	24.44	24.27	25.70
10	QPSK	1	25	23.92	24.00	23.66	25.70
10	QPSK	1	49	23.78	23.97	23.84	25.70
10	QPSK	25	0	23.16	23.24	22.89	24.70
10	QPSK	25	12	22.95	23.05	22.92	24.70
10	QPSK	25	25	22.97	23.10	22.96	24.70
10	QPSK	50	0	22.99	23.09	23.00	24.70
10	16QAM	1	0	23.26	23.47	23.30	24.70
10	16QAM	1	25	23.33	23.54	23.17	24.70
10	16QAM	1	49	23.61	23.68	23.53	24.70
10	16QAM	25	0	22.02	22.12	21.91	23.70
10	16QAM	25	12	21.93	21.98	21.79	23.70
10	16QAM	25	25	22.11	22.16	21.84	23.70
10	16QAM	50	0	22.03	22.04	21.86	23.70
10	64QAM	1	0	22.66	22.70	22.33	23.70
10	64QAM	1	25	22.15	22.34	22.05	23.70
10	64QAM	1	49	22.35	22.59	22.36	23.70
10	64QAM	25	0	21.04	21.18	20.90	22.70
10	64QAM	25	12	21.33	21.41	21.04	22.70
10	64QAM	25	25	20.81	20.92	20.78	22.70
10	64QAM	50	0	20.92	21.09	20.80	22.70
10	256QAM	1	0	19.25	19.47	19.21	20.70
10	256QAM	1	25	19.45	19.52	19.15	20.70
10	256QAM	1	49	19.29	19.43	19.25	20.70
10	256QAM	25	0	18.78	19.05	18.85	20.70
10	256QAM	25	12	18.95	19.00	18.77	20.70
10	256QAM	25	25	18.95	19.01	18.74	20.70

10	256QAM	50	0	19.11	19.25	18.99	20.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	24.47	24.45	24.27	25.70
5	QPSK	1	12	23.81	23.91	23.78	25.70
5	QPSK	1	24	23.86	23.99	23.81	25.70
5	QPSK	12	0	23.09	23.20	22.96	24.70
5	QPSK	12	7	23.00	23.01	22.86	24.70
5	QPSK	12	13	22.98	23.18	22.93	24.70
5	QPSK	25	0	22.97	23.11	22.96	24.70
5	16QAM	1	0	23.38	23.50	23.24	24.70
5	16QAM	1	12	23.38	23.42	23.19	24.70
5	16QAM	1	24	23.71	23.74	23.46	24.70
5	16QAM	12	0	22.14	22.08	21.97	23.70
5	16QAM	12	7	21.92	22.01	21.66	23.70
5	16QAM	12	13	21.98	22.10	21.82	23.70
5	16QAM	25	0	22.07	22.16	21.90	23.70
5	64QAM	1	0	22.54	22.72	22.40	23.70
5	64QAM	1	12	22.25	22.29	22.06	23.70
5	64QAM	1	24	22.37	22.46	22.26	23.70
5	64QAM	12	0	21.00	21.21	20.90	22.70
5	64QAM	12	7	21.27	21.37	21.13	22.70
5	64QAM	12	13	20.88	20.94	20.77	22.70
5	64QAM	25	0	20.92	21.03	20.89	22.70
5	256QAM	1	0	19.34	19.40	19.33	20.70
5	256QAM	1	12	19.46	19.56	19.20	20.70
5	256QAM	1	24	19.23	19.46	19.15	20.70
5	256QAM	12	0	18.88	19.05	18.88	20.70
5	256QAM	12	7	18.99	19.01	18.79	20.70
5	256QAM	12	13	19.00	18.99	18.84	20.70
5	256QAM	25	0	19.02	19.21	18.99	20.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	24.37	24.43	24.27	25.70
3	QPSK	1	8	23.85	24.03	23.72	25.70
3	QPSK	1	14	23.77	23.94	23.71	25.70
3	QPSK	8	0	23.07	23.23	22.89	24.70
3	QPSK	8	4	23.01	23.02	22.81	24.70
3	QPSK	8	7	23.02	23.19	22.92	24.70
3	QPSK	15	0	22.93	23.12	22.88	24.70
3	16QAM	1	0	23.39	23.55	23.29	24.70
3	16QAM	1	8	23.31	23.43	23.16	24.70
3	16QAM	1	14	23.63	23.76	23.59	24.70
3	16QAM	8	0	22.01	22.22	21.97	23.70
3	16QAM	8	4	21.84	22.07	21.67	23.70
3	16QAM	8	7	22.11	22.10	21.93	23.70
3	16QAM	15	0	22.06	22.06	21.95	23.70
3	64QAM	1	0	22.54	22.74	22.32	23.70
3	64QAM	1	8	22.20	22.28	21.96	23.70
3	64QAM	1	14	22.35	22.56	22.34	23.70
3	64QAM	8	0	20.98	21.21	20.97	22.70
3	64QAM	8	4	21.26	21.32	21.13	22.70
3	64QAM	8	7	20.81	20.92	20.75	22.70
3	64QAM	15	0	20.85	21.02	20.80	22.70
3	256QAM	1	0	19.35	19.46	19.22	20.70
3	256QAM	1	8	19.43	19.43	19.28	20.70
3	256QAM	1	14	19.33	19.48	19.25	20.70
3	256QAM	8	0	18.82	18.97	18.84	20.70
3	256QAM	8	4	18.96	19.02	18.73	20.70
3	256QAM	8	7	19.04	19.03	18.86	20.70
3	256QAM	15	0	19.06	19.25	19.02	20.70
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	24.40	24.42	24.35	25.70
1.4	QPSK	1	3	23.80	24.00	23.75	25.70
1.4	QPSK	1	5	23.85	23.97	23.74	25.70
1.4	QPSK	3	0	24.10	24.25	23.99	25.70
1.4	QPSK	3	1	24.04	24.08	23.84	25.70
1.4	QPSK	3	3	23.94	24.15	23.87	25.70
1.4	QPSK	6	0	22.99	23.16	22.91	24.70
1.4	16QAM	1	0	23.35	23.48	23.34	24.70
1.4	16QAM	1	3	23.27	23.44	23.12	24.70
1.4	16QAM	1	5	23.65	23.66	23.51	24.70
1.4	16QAM	3	0	23.10	23.21	22.93	24.70

1.4	16QAM	3	1	22.88	23.06	22.68	24.70
1.4	16QAM	3	3	22.99	23.20	22.95	24.70
1.4	16QAM	6	0	22.05	22.10	21.97	23.70
1.4	64QAM	1	0	22.57	22.70	22.46	23.70
1.4	64QAM	1	3	22.23	22.28	22.05	23.70
1.4	64QAM	1	5	22.33	22.46	22.31	23.70
1.4	64QAM	3	0	22.09	22.19	22.00	23.70
1.4	64QAM	3	1	22.23	22.43	22.14	23.70
1.4	64QAM	3	3	21.87	21.96	21.69	23.70
1.4	64QAM	6	0	20.90	21.04	20.83	22.70
1.4	256QAM	1	0	19.29	19.46	19.25	20.70
1.4	256QAM	1	3	19.43	19.44	19.25	20.70
1.4	256QAM	1	5	19.26	19.45	19.15	20.70
1.4	256QAM	3	0	18.84	19.05	18.82	20.70
1.4	256QAM	3	1	18.93	19.07	18.86	20.70
1.4	256QAM	3	3	18.93	19.05	18.78	20.70
1.4	256QAM	6	0	19.00	19.19	18.96	20.70

【LTE Band 2_Ant 6_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.50	24.55	24.37	25.70
20	QPSK	1	49	23.93	24.05	23.81	25.70
20	QPSK	1	99	23.88	24.05	23.85	25.70
20	QPSK	50	0	23.19	23.29	23.04	24.70
20	QPSK	50	24	23.06	23.14	22.95	24.70
20	QPSK	50	50	23.06	23.22	22.98	24.70
20	QPSK	100	0	23.03	23.21	23.03	24.70
20	16QAM	1	0	23.40	23.58	23.37	24.70
20	16QAM	1	49	23.41	23.56	23.26	24.70
20	16QAM	1	99	23.74	23.81	23.60	24.70
20	16QAM	50	0	22.15	22.23	22.00	23.70
20	16QAM	50	24	21.98	22.11	21.81	23.70
20	16QAM	50	50	22.13	22.22	21.97	23.70
20	16QAM	100	0	22.10	22.17	21.99	23.70
20	64QAM	1	0	22.68	22.77	22.47	23.70
20	64QAM	1	49	22.29	22.42	22.11	23.70
20	64QAM	1	99	22.43	22.60	22.40	23.70
20	64QAM	50	0	21.11	21.24	21.02	22.70
20	64QAM	50	24	21.35	21.45	21.16	22.70
20	64QAM	50	50	20.91	21.02	20.82	22.70
20	64QAM	100	0	20.95	21.14	20.93	22.70
20	256QAM	1	0	19.36	19.51	19.34	20.70
20	256QAM	1	49	19.50	19.57	19.29	20.70
20	256QAM	1	99	19.37	19.50	19.27	20.70
20	256QAM	50	0	18.91	19.08	18.91	20.70
20	256QAM	50	24	19.05	19.14	18.87	20.70
20	256QAM	50	50	19.05	19.13	18.87	20.70
20	256QAM	100	0	19.14	19.31	19.05	20.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.38	24.52	24.24	25.70
15	QPSK	1	37	23.82	23.98	23.77	25.70
15	QPSK	1	74	23.84	24.03	23.77	25.70
15	QPSK	36	0	23.16	23.22	22.94	24.70
15	QPSK	36	20	23.00	23.07	22.81	24.70
15	QPSK	36	39	23.05	23.20	22.88	24.70
15	QPSK	75	0	22.96	23.09	22.97	24.70
15	16QAM	1	0	23.34	23.50	23.27	24.70
15	16QAM	1	37	23.35	23.44	23.17	24.70
15	16QAM	1	74	23.61	23.67	23.49	24.70
15	16QAM	36	0	22.10	22.12	21.95	23.70
15	16QAM	36	20	21.94	22.05	21.76	23.70
15	16QAM	36	39	22.00	22.19	21.84	23.70
15	16QAM	75	0	22.04	22.07	21.97	23.70
15	64QAM	1	0	22.54	22.68	22.38	23.70
15	64QAM	1	37	22.21	22.34	22.03	23.70

15	64QAM	1	74	22.40	22.56	22.31	23.70
15	64QAM	36	0	21.01	21.22	20.99	22.70
15	64QAM	36	20	21.28	21.41	21.02	22.70
15	64QAM	36	39	20.80	20.88	20.75	22.70
15	64QAM	75	0	20.85	21.11	20.91	22.70
15	256QAM	1	0	19.26	19.45	19.28	20.70
15	256QAM	1	37	19.42	19.46	19.19	20.70
15	256QAM	1	74	19.27	19.48	19.16	20.70
15	256QAM	36	0	18.86	19.04	18.89	20.70
15	256QAM	36	20	18.98	19.10	18.83	20.70
15	256QAM	36	39	19.00	19.01	18.79	20.70
15	256QAM	75	0	19.11	19.25	18.99	20.70
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.47	24.44	24.27	25.70
10	QPSK	1	25	23.92	24.00	23.66	25.70
10	QPSK	1	49	23.78	23.97	23.84	25.70
10	QPSK	25	0	23.16	23.24	22.89	24.70
10	QPSK	25	12	22.95	23.05	22.92	24.70
10	QPSK	25	25	22.97	23.10	22.96	24.70
10	QPSK	50	0	22.99	23.09	23.00	24.70
10	16QAM	1	0	23.26	23.47	23.30	24.70
10	16QAM	1	25	23.33	23.54	23.17	24.70
10	16QAM	1	49	23.61	23.68	23.53	24.70
10	16QAM	25	0	22.02	22.12	21.91	23.70
10	16QAM	25	12	21.93	21.98	21.79	23.70
10	16QAM	25	25	22.11	22.16	21.84	23.70
10	16QAM	50	0	22.03	22.04	21.86	23.70
10	64QAM	1	0	22.66	22.70	22.33	23.70
10	64QAM	1	25	22.15	22.34	22.05	23.70
10	64QAM	1	49	22.35	22.59	22.36	23.70
10	64QAM	25	0	21.04	21.18	20.90	22.70
10	64QAM	25	12	21.33	21.41	21.04	22.70
10	64QAM	25	25	20.81	20.92	20.78	22.70
10	64QAM	50	0	20.92	21.09	20.80	22.70
10	256QAM	1	0	19.25	19.47	19.21	20.70
10	256QAM	1	25	19.45	19.52	19.15	20.70
10	256QAM	1	49	19.29	19.43	19.25	20.70
10	256QAM	25	0	18.78	19.05	18.85	20.70
10	256QAM	25	12	18.95	19.00	18.77	20.70
10	256QAM	25	25	18.95	19.01	18.74	20.70
10	256QAM	50	0	19.11	19.25	18.99	20.70
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.47	24.45	24.27	25.70
5	QPSK	1	12	23.81	23.91	23.78	25.70
5	QPSK	1	24	23.86	23.99	23.81	25.70
5	QPSK	12	0	23.09	23.20	22.96	24.70
5	QPSK	12	7	23.00	23.01	22.86	24.70
5	QPSK	12	13	22.98	23.18	22.93	24.70
5	QPSK	25	0	22.97	23.11	22.96	24.70
5	16QAM	1	0	23.38	23.50	23.24	24.70
5	16QAM	1	12	23.38	23.42	23.19	24.70
5	16QAM	1	24	23.71	23.74	23.46	24.70
5	16QAM	12	0	22.14	22.08	21.97	23.70
5	16QAM	12	7	21.92	22.01	21.66	23.70
5	16QAM	12	13	21.98	22.10	21.82	23.70
5	16QAM	25	0	22.07	22.16	21.90	23.70
5	64QAM	1	0	22.54	22.72	22.40	23.70
5	64QAM	1	12	22.25	22.29	22.06	23.70
5	64QAM	1	24	22.37	22.46	22.26	23.70
5	64QAM	12	0	21.00	21.21	20.90	22.70
5	64QAM	12	7	21.27	21.37	21.13	22.70
5	64QAM	12	13	20.88	20.94	20.77	22.70
5	64QAM	25	0	20.92	21.03	20.89	22.70
5	256QAM	1	0	19.34	19.40	19.33	20.70
5	256QAM	1	12	19.46	19.56	19.20	20.70
5	256QAM	1	24	19.23	19.46	19.15	20.70
5	256QAM	12	0	18.88	19.05	18.88	20.70
5	256QAM	12	7	18.99	19.01	18.79	20.70
5	256QAM	12	13	19.00	18.99	18.84	20.70
5	256QAM	25	0	19.02	19.21	18.99	20.70
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	

3	QPSK	1	0	24.37	24.43	24.27	25.70
3	QPSK	1	8	23.85	24.03	23.72	25.70
3	QPSK	1	14	23.77	23.94	23.71	25.70
3	QPSK	8	0	23.07	23.23	22.89	24.70
3	QPSK	8	4	23.01	23.02	22.81	24.70
3	QPSK	8	7	23.02	23.19	22.92	24.70
3	QPSK	15	0	22.93	23.12	22.88	24.70
3	16QAM	1	0	23.39	23.55	23.29	24.70
3	16QAM	1	8	23.31	23.43	23.16	24.70
3	16QAM	1	14	23.63	23.76	23.59	24.70
3	16QAM	8	0	22.01	22.22	21.97	23.70
3	16QAM	8	4	21.84	22.07	21.67	23.70
3	16QAM	8	7	22.11	22.10	21.93	23.70
3	16QAM	15	0	22.06	22.06	21.95	23.70
3	64QAM	1	0	22.54	22.74	22.32	23.70
3	64QAM	1	8	22.20	22.28	21.96	23.70
3	64QAM	1	14	22.35	22.56	22.34	23.70
3	64QAM	8	0	20.98	21.21	20.97	22.70
3	64QAM	8	4	21.26	21.32	21.13	22.70
3	64QAM	8	7	20.81	20.92	20.75	22.70
3	64QAM	15	0	20.85	21.02	20.80	22.70
3	256QAM	1	0	19.35	19.46	19.22	20.70
3	256QAM	1	8	19.43	19.43	19.28	20.70
3	256QAM	1	14	19.33	19.48	19.25	20.70
3	256QAM	8	0	18.82	18.97	18.84	20.70
3	256QAM	8	4	18.96	19.02	18.73	20.70
3	256QAM	8	7	19.04	19.03	18.86	20.70
3	256QAM	15	0	19.06	19.25	19.02	20.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.40	24.42	24.35	25.70
1.4	QPSK	1	3	23.80	24.00	23.75	25.70
1.4	QPSK	1	5	23.85	23.97	23.74	25.70
1.4	QPSK	3	0	24.10	24.25	23.99	25.70
1.4	QPSK	3	1	24.04	24.08	23.84	25.70
1.4	QPSK	3	3	23.94	24.15	23.87	25.70
1.4	QPSK	6	0	22.99	23.16	22.91	24.70
1.4	16QAM	1	0	23.35	23.48	23.34	24.70
1.4	16QAM	1	3	23.27	23.44	23.12	24.70
1.4	16QAM	1	5	23.65	23.66	23.51	24.70
1.4	16QAM	3	0	23.10	23.21	22.93	24.70
1.4	16QAM	3	1	22.88	23.06	22.68	24.70
1.4	16QAM	3	3	22.99	23.20	22.95	24.70
1.4	16QAM	6	0	22.05	22.10	21.97	23.70
1.4	64QAM	1	0	22.57	22.70	22.46	23.70
1.4	64QAM	1	3	22.23	22.28	22.05	23.70
1.4	64QAM	1	5	22.33	22.46	22.31	23.70
1.4	64QAM	3	0	22.09	22.19	22.00	23.70
1.4	64QAM	3	1	22.23	22.43	22.14	23.70
1.4	64QAM	3	3	21.87	21.96	21.69	23.70
1.4	64QAM	6	0	20.90	21.04	20.83	22.70
1.4	256QAM	1	0	19.29	19.46	19.25	20.70
1.4	256QAM	1	3	19.43	19.44	19.25	20.70
1.4	256QAM	1	5	19.26	19.45	19.15	20.70
1.4	256QAM	3	0	18.84	19.05	18.82	20.70
1.4	256QAM	3	1	18.93	19.07	18.86	20.70
1.4	256QAM	3	3	18.93	19.05	18.78	20.70
1.4	256QAM	6	0	19.00	19.19	18.96	20.70

【LTE Band 2_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.99	20.01	19.87	21.20
20	QPSK	1	49	19.85	19.98	19.70	21.20
20	QPSK	1	99	19.80	19.87	19.69	21.20
20	QPSK	50	0	19.81	19.97	19.79	21.20
20	QPSK	50	24	19.85	19.97	19.82	21.20
20	QPSK	50	50	19.76	19.90	19.74	21.20
20	QPSK	100	0	19.72	19.88	19.66	21.20
20	16QAM	1	0	19.79	19.91	19.71	21.20
20	16QAM	1	49	19.83	19.87	19.72	21.20
20	16QAM	1	99	19.84	19.90	19.72	21.20
20	16QAM	50	0	19.80	19.96	19.73	21.20
20	16QAM	50	24	19.83	19.88	19.61	21.20
20	16QAM	50	50	19.75	19.84	19.61	21.20
20	16QAM	100	0	19.72	19.86	19.69	21.20
20	64QAM	1	0	19.83	19.87	19.71	21.20
20	64QAM	1	49	19.80	19.91	19.67	21.20
20	64QAM	1	99	19.74	19.85	19.57	21.20
20	64QAM	50	0	19.77	19.90	19.66	21.20
20	64QAM	50	24	19.82	19.87	19.71	21.20
20	64QAM	50	50	19.84	19.92	19.71	21.20
20	64QAM	100	0	19.75	19.87	19.67	21.20
20	256QAM	1	0	19.43	19.52	19.30	20.70
20	256QAM	1	49	19.40	19.55	19.30	20.70
20	256QAM	1	99	19.45	19.57	19.33	20.70
20	256QAM	50	0	19.54	19.58	19.38	20.70
20	256QAM	50	24	19.35	19.47	19.28	20.70
20	256QAM	50	50	19.45	19.58	19.34	20.70
20	256QAM	100	0	19.49	19.57	19.36	20.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.88	19.98	19.82	21.20
15	QPSK	1	37	19.83	19.85	19.59	21.20
15	QPSK	1	74	19.77	19.74	19.61	21.20
15	QPSK	36	0	19.74	19.89	19.67	21.20
15	QPSK	36	20	19.78	19.91	19.70	21.20
15	QPSK	36	39	19.64	19.87	19.65	21.20
15	QPSK	75	0	19.70	19.86	19.57	21.20
15	16QAM	1	0	19.66	19.77	19.57	21.20
15	16QAM	1	37	19.72	19.73	19.63	21.20
15	16QAM	1	74	19.77	19.79	19.58	21.20
15	16QAM	36	0	19.73	19.94	19.60	21.20
15	16QAM	36	20	19.80	19.80	19.49	21.20
15	16QAM	36	39	19.68	19.75	19.48	21.20
15	16QAM	75	0	19.67	19.82	19.67	21.20
15	64QAM	1	0	19.81	19.82	19.62	21.20
15	64QAM	1	37	19.69	19.77	19.64	21.20
15	64QAM	1	74	19.66	19.75	19.53	21.20
15	64QAM	36	0	19.71	19.88	19.53	21.20
15	64QAM	36	20	19.71	19.80	19.69	21.20
15	64QAM	36	39	19.78	19.79	19.62	21.20
15	64QAM	75	0	19.70	19.85	19.61	21.20
15	256QAM	1	0	19.39	19.44	19.19	20.70
15	256QAM	1	37	19.26	19.47	19.16	20.70
15	256QAM	1	74	19.37	19.52	19.26	20.70
15	256QAM	36	0	19.49	19.47	19.28	20.70
15	256QAM	36	20	19.25	19.33	19.20	20.70
15	256QAM	36	39	19.41	19.50	19.22	20.70
15	256QAM	75	0	19.44	19.44	19.31	20.70
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.90	19.96	19.84	21.20
10	QPSK	1	25	19.82	19.92	19.58	21.20
10	QPSK	1	49	19.74	19.79	19.64	21.20
10	QPSK	25	0	19.76	19.90	19.74	21.20
10	QPSK	25	12	19.71	19.83	19.76	21.20
10	QPSK	25	25	19.66	19.77	19.66	21.20

10	QPSK	50	0	19.71	19.84	19.60	21.20
10	16QAM	1	0	19.66	19.88	19.68	21.20
10	16QAM	1	25	19.74	19.72	19.58	21.20
10	16QAM	1	49	19.81	19.76	19.60	21.20
10	16QAM	25	0	19.68	19.85	19.69	21.20
10	16QAM	25	12	19.73	19.77	19.58	21.20
10	16QAM	25	25	19.70	19.70	19.56	21.20
10	16QAM	50	0	19.59	19.85	19.67	21.20
10	64QAM	1	0	19.74	19.77	19.70	21.20
10	64QAM	1	25	19.72	19.79	19.63	21.20
10	64QAM	1	49	19.63	19.72	19.46	21.20
10	64QAM	25	0	19.63	19.88	19.57	21.20
10	64QAM	25	12	19.69	19.80	19.62	21.20
10	64QAM	25	25	19.70	19.86	19.57	21.20
10	64QAM	50	0	19.74	19.86	19.64	21.20
10	256QAM	1	0	19.33	19.42	19.17	20.70
10	256QAM	1	25	19.29	19.42	19.28	20.70
10	256QAM	1	49	19.31	19.43	19.23	20.70
10	256QAM	25	0	19.46	19.48	19.30	20.70
10	256QAM	25	12	19.28	19.42	19.18	20.70
10	256QAM	25	25	19.34	19.56	19.30	20.70
10	256QAM	50	0	19.37	19.45	19.33	20.70
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.92	19.95	19.83	21.20
5	QPSK	1	12	19.76	19.91	19.62	21.20
5	QPSK	1	24	19.66	19.73	19.66	21.20
5	QPSK	12	0	19.67	19.90	19.67	21.20
5	QPSK	12	7	19.77	19.89	19.72	21.20
5	QPSK	12	13	19.72	19.89	19.72	21.20
5	QPSK	25	0	19.69	19.83	19.64	21.20
5	16QAM	1	0	19.67	19.82	19.57	21.20
5	16QAM	1	12	19.81	19.85	19.57	21.20
5	16QAM	1	24	19.83	19.83	19.64	21.20
5	16QAM	12	0	19.66	19.94	19.62	21.20
5	16QAM	12	7	19.76	19.87	19.57	21.20
5	16QAM	12	13	19.67	19.82	19.55	21.20
5	16QAM	25	0	19.60	19.78	19.67	21.20
5	64QAM	1	0	19.77	19.79	19.56	21.20
5	64QAM	1	12	19.72	19.80	19.59	21.20
5	64QAM	1	24	19.63	19.83	19.51	21.20
5	64QAM	12	0	19.74	19.76	19.53	21.20
5	64QAM	12	7	19.80	19.85	19.69	21.20
5	64QAM	12	13	19.81	19.87	19.69	21.20
5	64QAM	25	0	19.74	19.76	19.62	21.20
5	256QAM	1	0	19.36	19.45	19.22	20.70
5	256QAM	1	12	19.26	19.45	19.27	20.70
5	256QAM	1	24	19.40	19.54	19.26	20.70
5	256QAM	12	0	19.50	19.49	19.28	20.70
5	256QAM	12	7	19.34	19.35	19.22	20.70
5	256QAM	12	13	19.38	19.44	19.24	20.70
5	256QAM	25	0	19.47	19.46	19.27	20.70
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.95	19.94	19.78	21.20
3	QPSK	1	8	19.81	19.95	19.60	21.20
3	QPSK	1	14	19.67	19.83	19.56	21.20
3	QPSK	8	0	19.77	19.88	19.66	21.20
3	QPSK	8	4	19.78	19.93	19.78	21.20
3	QPSK	8	7	19.67	19.76	19.61	21.20
3	QPSK	15	0	19.60	19.81	19.63	21.20
3	16QAM	1	0	19.71	19.77	19.70	21.20
3	16QAM	1	8	19.73	19.76	19.61	21.20
3	16QAM	1	14	19.78	19.77	19.62	21.20
3	16QAM	8	0	19.66	19.89	19.64	21.20
3	16QAM	8	4	19.77	19.81	19.47	21.20
3	16QAM	8	7	19.67	19.75	19.47	21.20
3	16QAM	15	0	19.70	19.79	19.60	21.20
3	64QAM	1	0	19.68	19.76	19.60	21.20
3	64QAM	1	8	19.77	19.80	19.65	21.20
3	64QAM	1	14	19.70	19.70	19.47	21.20
3	64QAM	8	0	19.63	19.82	19.61	21.20
3	64QAM	8	4	19.67	19.73	19.59	21.20
3	64QAM	8	7	19.71	19.82	19.57	21.20

3	64QAM	15	0	19.62	19.84	19.65	21.20
3	256QAM	1	0	19.41	19.47	19.22	20.70
3	256QAM	1	8	19.39	19.43	19.17	20.70
3	256QAM	1	14	19.35	19.54	19.25	20.70
3	256QAM	8	0	19.52	19.53	19.29	20.70
3	256QAM	8	4	19.30	19.41	19.25	20.70
3	256QAM	8	7	19.43	19.48	19.20	20.70
3	256QAM	15	0	19.37	19.45	19.23	20.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.85	19.89	19.73	21.20
1.4	QPSK	1	3	19.80	19.96	19.59	21.20
1.4	QPSK	1	5	19.74	19.76	19.59	21.20
1.4	QPSK	3	0	19.67	19.91	19.70	21.20
1.4	QPSK	3	1	19.72	19.94	19.71	21.20
1.4	QPSK	3	3	19.66	19.81	19.70	21.20
1.4	QPSK	6	0	19.69	19.84	19.57	21.20
1.4	16QAM	1	0	19.77	19.82	19.69	21.20
1.4	16QAM	1	3	19.81	19.75	19.68	21.20
1.4	16QAM	1	5	19.72	19.89	19.61	21.20
1.4	16QAM	3	0	19.66	19.92	19.65	21.20
1.4	16QAM	3	1	19.82	19.80	19.56	21.20
1.4	16QAM	3	3	19.62	19.76	19.56	21.20
1.4	16QAM	6	0	19.66	19.79	19.58	21.20
1.4	64QAM	1	0	19.80	19.73	19.58	21.20
1.4	64QAM	1	3	19.73	19.81	19.63	21.20
1.4	64QAM	1	5	19.64	19.72	19.50	21.20
1.4	64QAM	3	0	19.64	19.78	19.65	21.20
1.4	64QAM	3	1	19.72	19.83	19.60	21.20
1.4	64QAM	3	3	19.71	19.82	19.63	21.20
1.4	64QAM	6	0	19.72	19.80	19.56	21.20
1.4	256QAM	1	0	19.39	19.45	19.29	20.70
1.4	256QAM	1	3	19.35	19.41	19.26	20.70
1.4	256QAM	1	5	19.37	19.44	19.31	20.70
1.4	256QAM	3	0	19.40	19.47	19.35	20.70
1.4	256QAM	3	1	19.20	19.37	19.14	20.70
1.4	256QAM	3	3	19.39	19.52	19.30	20.70
1.4	256QAM	6	0	19.46	19.56	19.34	20.70

【LTE Band 2_Ant 6_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	19.99	20.01	19.87	21.20
20	QPSK	1	49	19.85	19.98	19.70	21.20
20	QPSK	1	99	19.80	19.87	19.69	21.20
20	QPSK	50	0	19.81	19.97	19.79	21.20
20	QPSK	50	24	19.85	19.97	19.82	21.20
20	QPSK	50	50	19.76	19.90	19.74	21.20
20	QPSK	100	0	19.72	19.88	19.66	21.20
20	16QAM	1	0	19.79	19.91	19.71	21.20
20	16QAM	1	49	19.83	19.87	19.72	21.20
20	16QAM	1	99	19.84	19.90	19.72	21.20
20	16QAM	50	0	19.80	19.96	19.73	21.20
20	16QAM	50	24	19.83	19.88	19.61	21.20
20	16QAM	50	50	19.75	19.84	19.61	21.20
20	16QAM	100	0	19.72	19.86	19.69	21.20
20	64QAM	1	0	19.83	19.87	19.71	21.20
20	64QAM	1	49	19.80	19.91	19.67	21.20
20	64QAM	1	99	19.74	19.85	19.57	21.20
20	64QAM	50	0	19.77	19.90	19.66	21.20
20	64QAM	50	24	19.82	19.87	19.71	21.20
20	64QAM	50	50	19.84	19.92	19.71	21.20
20	64QAM	100	0	19.75	19.87	19.67	21.20
20	256QAM	1	0	19.43	19.52	19.30	20.70
20	256QAM	1	49	19.40	19.55	19.30	20.70
20	256QAM	1	99	19.45	19.57	19.33	20.70
20	256QAM	50	0	19.54	19.58	19.38	20.70

20	256QAM	50	24	19.35	19.47	19.28	20.70
20	256QAM	50	50	19.45	19.58	19.34	20.70
20	256QAM	100	0	19.49	19.57	19.36	20.70
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	19.88	19.98	19.82	21.20
15	QPSK	1	37	19.83	19.85	19.59	21.20
15	QPSK	1	74	19.77	19.74	19.61	21.20
15	QPSK	36	0	19.74	19.89	19.67	21.20
15	QPSK	36	20	19.78	19.91	19.70	21.20
15	QPSK	36	39	19.64	19.87	19.65	21.20
15	QPSK	75	0	19.70	19.86	19.57	21.20
15	16QAM	1	0	19.66	19.77	19.57	21.20
15	16QAM	1	37	19.72	19.73	19.63	21.20
15	16QAM	1	74	19.77	19.79	19.58	21.20
15	16QAM	36	0	19.73	19.94	19.60	21.20
15	16QAM	36	20	19.80	19.80	19.49	21.20
15	16QAM	36	39	19.68	19.75	19.48	21.20
15	16QAM	75	0	19.67	19.82	19.67	21.20
15	64QAM	1	0	19.81	19.82	19.62	21.20
15	64QAM	1	37	19.69	19.77	19.64	21.20
15	64QAM	1	74	19.66	19.75	19.53	21.20
15	64QAM	36	0	19.71	19.88	19.53	21.20
15	64QAM	36	20	19.71	19.80	19.69	21.20
15	64QAM	36	39	19.78	19.79	19.62	21.20
15	64QAM	75	0	19.70	19.85	19.61	21.20
15	256QAM	1	0	19.39	19.44	19.19	20.70
15	256QAM	1	37	19.26	19.47	19.16	20.70
15	256QAM	1	74	19.37	19.52	19.26	20.70
15	256QAM	36	0	19.49	19.47	19.28	20.70
15	256QAM	36	20	19.25	19.33	19.20	20.70
15	256QAM	36	39	19.41	19.50	19.22	20.70
15	256QAM	75	0	19.44	19.44	19.31	20.70
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	19.90	19.96	19.84	21.20
10	QPSK	1	25	19.82	19.92	19.58	21.20
10	QPSK	1	49	19.74	19.79	19.64	21.20
10	QPSK	25	0	19.76	19.90	19.74	21.20
10	QPSK	25	12	19.71	19.83	19.76	21.20
10	QPSK	25	25	19.66	19.77	19.66	21.20
10	QPSK	50	0	19.71	19.84	19.60	21.20
10	16QAM	1	0	19.66	19.88	19.68	21.20
10	16QAM	1	25	19.74	19.72	19.58	21.20
10	16QAM	1	49	19.81	19.76	19.60	21.20
10	16QAM	25	0	19.68	19.85	19.69	21.20
10	16QAM	25	12	19.73	19.77	19.58	21.20
10	16QAM	25	25	19.70	19.70	19.56	21.20
10	16QAM	50	0	19.59	19.85	19.67	21.20
10	64QAM	1	0	19.74	19.77	19.70	21.20
10	64QAM	1	25	19.72	19.79	19.63	21.20
10	64QAM	1	49	19.63	19.72	19.46	21.20
10	64QAM	25	0	19.63	19.88	19.57	21.20
10	64QAM	25	12	19.69	19.80	19.62	21.20
10	64QAM	25	25	19.70	19.86	19.57	21.20
10	64QAM	50	0	19.74	19.86	19.64	21.20
10	256QAM	1	0	19.33	19.42	19.17	20.70
10	256QAM	1	25	19.29	19.42	19.28	20.70
10	256QAM	1	49	19.31	19.43	19.23	20.70
10	256QAM	25	0	19.46	19.48	19.30	20.70
10	256QAM	25	12	19.28	19.42	19.18	20.70
10	256QAM	25	25	19.34	19.56	19.30	20.70
10	256QAM	50	0	19.37	19.45	19.33	20.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.92	19.95	19.83	21.20
5	QPSK	1	12	19.76	19.91	19.62	21.20
5	QPSK	1	24	19.66	19.73	19.66	21.20
5	QPSK	12	0	19.67	19.90	19.67	21.20
5	QPSK	12	7	19.77	19.89	19.72	21.20
5	QPSK	12	13	19.72	19.89	19.72	21.20
5	QPSK	25	0	19.69	19.83	19.64	21.20
5	16QAM	1	0	19.67	19.82	19.57	21.20
5	16QAM	1	12	19.81	19.85	19.57	21.20

5	16QAM	1	24	19.83	19.83	19.64	21.20
5	16QAM	12	0	19.66	19.94	19.62	21.20
5	16QAM	12	7	19.76	19.87	19.57	21.20
5	16QAM	12	13	19.67	19.82	19.55	21.20
5	16QAM	25	0	19.60	19.78	19.67	21.20
5	64QAM	1	0	19.77	19.79	19.56	21.20
5	64QAM	1	12	19.72	19.80	19.59	21.20
5	64QAM	1	24	19.63	19.83	19.51	21.20
5	64QAM	12	0	19.74	19.76	19.53	21.20
5	64QAM	12	7	19.80	19.85	19.69	21.20
5	64QAM	12	13	19.81	19.87	19.69	21.20
5	64QAM	25	0	19.74	19.76	19.62	21.20
5	256QAM	1	0	19.36	19.45	19.22	20.70
5	256QAM	1	12	19.26	19.45	19.27	20.70
5	256QAM	1	24	19.40	19.54	19.26	20.70
5	256QAM	12	0	19.50	19.49	19.28	20.70
5	256QAM	12	7	19.34	19.35	19.22	20.70
5	256QAM	12	13	19.38	19.44	19.24	20.70
5	256QAM	25	0	19.47	19.46	19.27	20.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.95	19.94	19.78	21.20
3	QPSK	1	8	19.81	19.95	19.60	21.20
3	QPSK	1	14	19.67	19.83	19.56	21.20
3	QPSK	8	0	19.77	19.88	19.66	21.20
3	QPSK	8	4	19.78	19.93	19.78	21.20
3	QPSK	8	7	19.67	19.76	19.61	21.20
3	QPSK	15	0	19.60	19.81	19.63	21.20
3	16QAM	1	0	19.71	19.77	19.70	21.20
3	16QAM	1	8	19.73	19.76	19.61	21.20
3	16QAM	1	14	19.78	19.77	19.62	21.20
3	16QAM	8	0	19.66	19.89	19.64	21.20
3	16QAM	8	4	19.77	19.81	19.47	21.20
3	16QAM	8	7	19.67	19.75	19.47	21.20
3	16QAM	15	0	19.70	19.79	19.60	21.20
3	64QAM	1	0	19.68	19.76	19.60	21.20
3	64QAM	1	8	19.77	19.80	19.65	21.20
3	64QAM	1	14	19.70	19.70	19.47	21.20
3	64QAM	8	0	19.63	19.82	19.61	21.20
3	64QAM	8	4	19.67	19.73	19.59	21.20
3	64QAM	8	7	19.71	19.82	19.57	21.20
3	64QAM	15	0	19.62	19.84	19.65	21.20
3	256QAM	1	0	19.41	19.47	19.22	20.70
3	256QAM	1	8	19.39	19.43	19.17	20.70
3	256QAM	1	14	19.35	19.54	19.25	20.70
3	256QAM	8	0	19.52	19.53	19.29	20.70
3	256QAM	8	4	19.30	19.41	19.25	20.70
3	256QAM	8	7	19.43	19.48	19.20	20.70
3	256QAM	15	0	19.37	19.45	19.23	20.70
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	19.85	19.89	19.73	21.20
1.4	QPSK	1	3	19.80	19.96	19.59	21.20
1.4	QPSK	1	5	19.74	19.76	19.59	21.20
1.4	QPSK	3	0	19.67	19.91	19.70	21.20
1.4	QPSK	3	1	19.72	19.94	19.71	21.20
1.4	QPSK	3	3	19.66	19.81	19.70	21.20
1.4	QPSK	6	0	19.69	19.84	19.57	21.20
1.4	16QAM	1	0	19.77	19.82	19.69	21.20
1.4	16QAM	1	3	19.81	19.75	19.68	21.20
1.4	16QAM	1	5	19.72	19.89	19.61	21.20
1.4	16QAM	3	0	19.66	19.92	19.65	21.20
1.4	16QAM	3	1	19.82	19.80	19.56	21.20
1.4	16QAM	3	3	19.62	19.76	19.56	21.20
1.4	16QAM	6	0	19.66	19.79	19.58	21.20
1.4	64QAM	1	0	19.80	19.73	19.58	21.20
1.4	64QAM	1	3	19.73	19.81	19.63	21.20
1.4	64QAM	1	5	19.64	19.72	19.50	21.20
1.4	64QAM	3	0	19.64	19.78	19.65	21.20
1.4	64QAM	3	1	19.72	19.83	19.60	21.20
1.4	64QAM	3	3	19.71	19.82	19.63	21.20
1.4	64QAM	6	0	19.72	19.80	19.56	21.20
1.4	256QAM	1	0	19.39	19.45	19.29	20.70
1.4	256QAM	1	3	19.35	19.41	19.26	20.70

1.4	256QAM	1	5	19.37	19.44	19.31	20.70
1.4	256QAM	3	0	19.40	19.47	19.35	20.70
1.4	256QAM	3	1	19.20	19.37	19.14	20.70
1.4	256QAM	3	3	19.39	19.52	19.30	20.70
1.4	256QAM	6	0	19.46	19.56	19.34	20.70

【LTE Band 2_Ant 6_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.99	20.01	19.87	21.20
20	QPSK	1	49	19.85	19.98	19.70	21.20
20	QPSK	1	99	19.80	19.87	19.69	21.20
20	QPSK	50	0	19.81	19.97	19.79	21.20
20	QPSK	50	24	19.85	19.97	19.82	21.20
20	QPSK	50	50	19.76	19.90	19.74	21.20
20	QPSK	100	0	19.72	19.88	19.66	21.20
20	16QAM	1	0	19.79	19.91	19.71	21.20
20	16QAM	1	49	19.83	19.87	19.72	21.20
20	16QAM	1	99	19.84	19.90	19.72	21.20
20	16QAM	50	0	19.80	19.96	19.73	21.20
20	16QAM	50	24	19.83	19.88	19.61	21.20
20	16QAM	50	50	19.75	19.84	19.61	21.20
20	16QAM	100	0	19.72	19.86	19.69	21.20
20	64QAM	1	0	19.83	19.87	19.71	21.20
20	64QAM	1	49	19.80	19.91	19.67	21.20
20	64QAM	1	99	19.74	19.85	19.57	21.20
20	64QAM	50	0	19.77	19.90	19.66	21.20
20	64QAM	50	24	19.82	19.87	19.71	21.20
20	64QAM	50	50	19.84	19.92	19.71	21.20
20	64QAM	100	0	19.75	19.87	19.67	21.20
20	256QAM	1	0	19.43	19.52	19.30	20.70
20	256QAM	1	49	19.40	19.55	19.30	20.70
20	256QAM	1	99	19.45	19.57	19.33	20.70
20	256QAM	50	0	19.54	19.58	19.38	20.70
20	256QAM	50	24	19.35	19.47	19.28	20.70
20	256QAM	50	50	19.45	19.58	19.34	20.70
20	256QAM	100	0	19.49	19.57	19.36	20.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.88	19.98	19.82	21.20
15	QPSK	1	37	19.83	19.85	19.59	21.20
15	QPSK	1	74	19.77	19.74	19.61	21.20
15	QPSK	36	0	19.74	19.89	19.67	21.20
15	QPSK	36	20	19.78	19.91	19.70	21.20
15	QPSK	36	39	19.64	19.87	19.65	21.20
15	QPSK	75	0	19.70	19.86	19.57	21.20
15	16QAM	1	0	19.66	19.77	19.57	21.20
15	16QAM	1	37	19.72	19.73	19.63	21.20
15	16QAM	1	74	19.77	19.79	19.58	21.20
15	16QAM	36	0	19.73	19.94	19.60	21.20
15	16QAM	36	20	19.80	19.80	19.49	21.20
15	16QAM	36	39	19.68	19.75	19.48	21.20
15	16QAM	75	0	19.67	19.82	19.67	21.20
15	64QAM	1	0	19.81	19.82	19.62	21.20
15	64QAM	1	37	19.69	19.77	19.64	21.20
15	64QAM	1	74	19.66	19.75	19.53	21.20
15	64QAM	36	0	19.71	19.88	19.53	21.20
15	64QAM	36	20	19.71	19.80	19.69	21.20
15	64QAM	36	39	19.78	19.79	19.62	21.20
15	64QAM	75	0	19.70	19.85	19.61	21.20
15	256QAM	1	0	19.39	19.44	19.19	20.70
15	256QAM	1	37	19.26	19.47	19.16	20.70
15	256QAM	1	74	19.37	19.52	19.26	20.70
15	256QAM	36	0	19.49	19.47	19.28	20.70
15	256QAM	36	20	19.25	19.33	19.20	20.70
15	256QAM	36	39	19.41	19.50	19.22	20.70
15	256QAM	75	0	19.44	19.44	19.31	20.70

Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	19.90	19.96	19.84	21.20
10	QPSK	1	25	19.82	19.92	19.58	21.20
10	QPSK	1	49	19.74	19.79	19.64	21.20
10	QPSK	25	0	19.76	19.90	19.74	21.20
10	QPSK	25	12	19.71	19.83	19.76	21.20
10	QPSK	25	25	19.66	19.77	19.66	21.20
10	QPSK	50	0	19.71	19.84	19.60	21.20
10	16QAM	1	0	19.66	19.88	19.68	21.20
10	16QAM	1	25	19.74	19.72	19.58	21.20
10	16QAM	1	49	19.81	19.76	19.60	21.20
10	16QAM	25	0	19.68	19.85	19.69	21.20
10	16QAM	25	12	19.73	19.77	19.58	21.20
10	16QAM	25	25	19.70	19.70	19.56	21.20
10	16QAM	50	0	19.59	19.85	19.67	21.20
10	64QAM	1	0	19.74	19.77	19.70	21.20
10	64QAM	1	25	19.72	19.79	19.63	21.20
10	64QAM	1	49	19.63	19.72	19.46	21.20
10	64QAM	25	0	19.63	19.88	19.57	21.20
10	64QAM	25	12	19.69	19.80	19.62	21.20
10	64QAM	25	25	19.70	19.86	19.57	21.20
10	64QAM	50	0	19.74	19.86	19.64	21.20
10	256QAM	1	0	19.33	19.42	19.17	20.70
10	256QAM	1	25	19.29	19.42	19.28	20.70
10	256QAM	1	49	19.31	19.43	19.23	20.70
10	256QAM	25	0	19.46	19.48	19.30	20.70
10	256QAM	25	12	19.28	19.42	19.18	20.70
10	256QAM	25	25	19.34	19.56	19.30	20.70
10	256QAM	50	0	19.37	19.45	19.33	20.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.92	19.95	19.83	21.20
5	QPSK	1	12	19.76	19.91	19.62	21.20
5	QPSK	1	24	19.66	19.73	19.66	21.20
5	QPSK	12	0	19.67	19.90	19.67	21.20
5	QPSK	12	7	19.77	19.89	19.72	21.20
5	QPSK	12	13	19.72	19.89	19.72	21.20
5	QPSK	25	0	19.69	19.83	19.64	21.20
5	16QAM	1	0	19.67	19.82	19.57	21.20
5	16QAM	1	12	19.81	19.85	19.57	21.20
5	16QAM	1	24	19.83	19.83	19.64	21.20
5	16QAM	12	0	19.66	19.94	19.62	21.20
5	16QAM	12	7	19.76	19.87	19.57	21.20
5	16QAM	12	13	19.67	19.82	19.55	21.20
5	16QAM	25	0	19.60	19.78	19.67	21.20
5	64QAM	1	0	19.77	19.79	19.56	21.20
5	64QAM	1	12	19.72	19.80	19.59	21.20
5	64QAM	1	24	19.63	19.83	19.51	21.20
5	64QAM	12	0	19.74	19.76	19.53	21.20
5	64QAM	12	7	19.80	19.85	19.69	21.20
5	64QAM	12	13	19.81	19.87	19.69	21.20
5	64QAM	25	0	19.74	19.76	19.62	21.20
5	256QAM	1	0	19.36	19.45	19.22	20.70
5	256QAM	1	12	19.26	19.45	19.27	20.70
5	256QAM	1	24	19.40	19.54	19.26	20.70
5	256QAM	12	0	19.50	19.49	19.28	20.70
5	256QAM	12	7	19.34	19.35	19.22	20.70
5	256QAM	12	13	19.38	19.44	19.24	20.70
5	256QAM	25	0	19.47	19.46	19.27	20.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	19.95	19.94	19.78	21.20
3	QPSK	1	8	19.81	19.95	19.60	21.20
3	QPSK	1	14	19.67	19.83	19.56	21.20
3	QPSK	8	0	19.77	19.88	19.66	21.20
3	QPSK	8	4	19.78	19.93	19.78	21.20
3	QPSK	8	7	19.67	19.76	19.61	21.20
3	QPSK	15	0	19.60	19.81	19.63	21.20
3	16QAM	1	0	19.71	19.77	19.70	21.20
3	16QAM	1	8	19.73	19.76	19.61	21.20
3	16QAM	1	14	19.78	19.77	19.62	21.20
3	16QAM	8	0	19.66	19.89	19.64	21.20
3	16QAM	8	4	19.77	19.81	19.47	21.20

3	16QAM	8	7	19.67	19.75	19.47	21.20
3	16QAM	15	0	19.70	19.79	19.60	21.20
3	64QAM	1	0	19.68	19.76	19.60	21.20
3	64QAM	1	8	19.77	19.80	19.65	21.20
3	64QAM	1	14	19.70	19.70	19.47	21.20
3	64QAM	8	0	19.63	19.82	19.61	21.20
3	64QAM	8	4	19.67	19.73	19.59	21.20
3	64QAM	8	7	19.71	19.82	19.57	21.20
3	64QAM	15	0	19.62	19.84	19.65	21.20
3	256QAM	1	0	19.41	19.47	19.22	20.70
3	256QAM	1	8	19.39	19.43	19.17	20.70
3	256QAM	1	14	19.35	19.54	19.25	20.70
3	256QAM	8	0	19.52	19.53	19.29	20.70
3	256QAM	8	4	19.30	19.41	19.25	20.70
3	256QAM	8	7	19.43	19.48	19.20	20.70
3	256QAM	15	0	19.37	19.45	19.23	20.70
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.85	19.89	19.73	21.20
1.4	QPSK	1	3	19.80	19.96	19.59	21.20
1.4	QPSK	1	5	19.74	19.76	19.59	21.20
1.4	QPSK	3	0	19.67	19.91	19.70	21.20
1.4	QPSK	3	1	19.72	19.94	19.71	21.20
1.4	QPSK	3	3	19.66	19.81	19.70	21.20
1.4	QPSK	6	0	19.69	19.84	19.57	21.20
1.4	16QAM	1	0	19.77	19.82	19.69	21.20
1.4	16QAM	1	3	19.81	19.75	19.68	21.20
1.4	16QAM	1	5	19.72	19.89	19.61	21.20
1.4	16QAM	3	0	19.66	19.92	19.65	21.20
1.4	16QAM	3	1	19.82	19.80	19.56	21.20
1.4	16QAM	3	3	19.62	19.76	19.56	21.20
1.4	16QAM	6	0	19.66	19.79	19.58	21.20
1.4	64QAM	1	0	19.80	19.73	19.58	21.20
1.4	64QAM	1	3	19.73	19.81	19.63	21.20
1.4	64QAM	1	5	19.64	19.72	19.50	21.20
1.4	64QAM	3	0	19.64	19.78	19.65	21.20
1.4	64QAM	3	1	19.72	19.83	19.60	21.20
1.4	64QAM	3	3	19.71	19.82	19.63	21.20
1.4	64QAM	6	0	19.72	19.80	19.56	21.20
1.4	256QAM	1	0	19.39	19.45	19.29	20.70
1.4	256QAM	1	3	19.35	19.41	19.26	20.70
1.4	256QAM	1	5	19.37	19.44	19.31	20.70
1.4	256QAM	3	0	19.40	19.47	19.35	20.70
1.4	256QAM	3	1	19.20	19.37	19.14	20.70
1.4	256QAM	3	3	19.39	19.52	19.30	20.70
1.4	256QAM	6	0	19.46	19.56	19.34	20.70

【LTE Band 4_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.70	24.76	24.68	25.70
20	QPSK	1	49	24.61	24.70	24.50	25.70
20	QPSK	1	99	24.49	24.56	24.35	25.70
20	QPSK	50	0	23.74	23.83	23.68	24.70
20	QPSK	50	24	23.42	23.57	23.41	24.70
20	QPSK	50	50	23.46	23.64	23.50	24.70
20	QPSK	100	0	23.55	23.70	23.54	24.70
20	16QAM	1	0	23.72	23.89	23.79	24.70
20	16QAM	1	49	23.82	23.97	23.82	24.70
20	16QAM	1	99	23.87	23.95	23.86	24.70
20	16QAM	50	0	22.43	22.59	22.45	23.70
20	16QAM	50	24	22.68	22.82	22.71	23.70
20	16QAM	50	50	22.55	22.67	22.50	23.70
20	16QAM	100	0	22.61	22.69	22.59	23.70
20	64QAM	1	0	22.39	22.56	22.35	23.70
20	64QAM	1	49	22.85	22.93	22.84	23.70
20	64QAM	1	99	22.92	23.06	22.97	23.70

20	64QAM	50	0	21.63	21.81	21.72	22.70
20	64QAM	50	24	21.39	21.52	21.39	22.70
20	64QAM	50	50	21.61	21.79	21.69	22.70
20	64QAM	100	0	21.80	21.90	21.73	22.70
20	256QAM	1	0	19.61	19.74	19.53	20.70
20	256QAM	1	49	19.80	19.94	19.83	20.70
20	256QAM	1	99	19.95	20.02	19.88	20.70
20	256QAM	50	0	19.62	19.77	19.67	20.70
20	256QAM	50	24	19.66	19.76	19.56	20.70
20	256QAM	50	50	19.92	20.07	19.86	20.70
20	256QAM	100	0	19.75	19.93	19.74	20.70
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	24.65	24.64	24.66	25.70
15	QPSK	1	37	24.49	24.57	24.46	25.70
15	QPSK	1	74	24.43	24.43	24.32	25.70
15	QPSK	36	0	23.72	23.77	23.60	24.70
15	QPSK	36	20	23.41	23.42	23.31	24.70
15	QPSK	36	39	23.39	23.57	23.36	24.70
15	QPSK	75	0	23.52	23.64	23.51	24.70
15	16QAM	1	0	23.67	23.76	23.70	24.70
15	16QAM	1	37	23.74	23.95	23.77	24.70
15	16QAM	1	74	23.85	23.94	23.74	24.70
15	16QAM	36	0	22.33	22.58	22.31	23.70
15	16QAM	36	20	22.59	22.75	22.70	23.70
15	16QAM	36	39	22.45	22.60	22.48	23.70
15	16QAM	75	0	22.46	22.58	22.50	23.70
15	64QAM	1	0	22.33	22.44	22.30	23.70
15	64QAM	1	37	22.83	22.87	22.74	23.70
15	64QAM	1	74	22.83	22.98	22.86	23.70
15	64QAM	36	0	21.52	21.69	21.61	22.70
15	64QAM	36	20	21.33	21.49	21.35	22.70
15	64QAM	36	39	21.54	21.68	21.65	22.70
15	64QAM	75	0	21.70	21.77	21.66	22.70
15	256QAM	1	0	19.49	19.61	19.48	20.70
15	256QAM	1	37	19.76	19.90	19.79	20.70
15	256QAM	1	74	19.82	19.89	19.87	20.70
15	256QAM	36	0	19.61	19.73	19.53	20.70
15	256QAM	36	20	19.54	19.72	19.44	20.70
15	256QAM	36	39	19.88	20.00	19.84	20.70
15	256QAM	75	0	19.63	19.86	19.63	20.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	24.56	24.71	24.63	25.70
10	QPSK	1	25	24.55	24.57	24.42	25.70
10	QPSK	1	49	24.46	24.49	24.30	25.70
10	QPSK	25	0	23.63	23.77	23.54	24.70
10	QPSK	25	12	23.31	23.50	23.31	24.70
10	QPSK	25	25	23.44	23.59	23.45	24.70
10	QPSK	50	0	23.45	23.68	23.43	24.70
10	16QAM	1	0	23.67	23.86	23.78	24.70
10	16QAM	1	25	23.73	23.86	23.74	24.70
10	16QAM	1	49	23.75	23.84	23.72	24.70
10	16QAM	25	0	22.39	22.56	22.40	23.70
10	16QAM	25	12	22.54	22.78	22.58	23.70
10	16QAM	25	25	22.49	22.61	22.48	23.70
10	16QAM	50	0	22.59	22.56	22.49	23.70
10	64QAM	1	0	22.33	22.43	22.30	23.70
10	64QAM	1	25	22.78	22.84	22.75	23.70
10	64QAM	1	49	22.78	23.04	22.91	23.70
10	64QAM	25	0	21.51	21.67	21.64	22.70
10	64QAM	25	12	21.37	21.42	21.30	22.70
10	64QAM	25	25	21.55	21.65	21.55	22.70
10	64QAM	50	0	21.66	21.86	21.66	22.70
10	256QAM	1	0	19.48	19.65	19.46	20.70
10	256QAM	1	25	19.67	19.87	19.74	20.70
10	256QAM	1	49	19.89	19.94	19.80	20.70
10	256QAM	25	0	19.57	19.73	19.56	20.70
10	256QAM	25	12	19.55	19.66	19.54	20.70
10	256QAM	25	25	19.80	19.97	19.77	20.70
10	256QAM	50	0	19.61	19.83	19.72	20.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.65	24.68	24.64	25.70

5	QPSK	1	12	24.49	24.59	24.48	25.70
5	QPSK	1	24	24.41	24.51	24.30	25.70
5	QPSK	12	0	23.68	23.78	23.63	24.70
5	QPSK	12	7	23.33	23.47	23.36	24.70
5	QPSK	12	13	23.41	23.51	23.48	24.70
5	QPSK	25	0	23.51	23.68	23.42	24.70
5	16QAM	1	0	23.64	23.75	23.72	24.70
5	16QAM	1	12	23.69	23.85	23.74	24.70
5	16QAM	1	24	23.73	23.83	23.79	24.70
5	16QAM	12	0	22.35	22.54	22.43	23.70
5	16QAM	12	7	22.58	22.80	22.69	23.70
5	16QAM	12	13	22.54	22.63	22.49	23.70
5	16QAM	25	0	22.54	22.61	22.55	23.70
5	64QAM	1	0	22.35	22.48	22.31	23.70
5	64QAM	1	12	22.83	22.84	22.82	23.70
5	64QAM	1	24	22.83	22.98	22.90	23.70
5	64QAM	12	0	21.55	21.74	21.66	22.70
5	64QAM	12	7	21.33	21.40	21.31	22.70
5	64QAM	12	13	21.55	21.65	21.59	22.70
5	64QAM	25	0	21.78	21.75	21.62	22.70
5	256QAM	1	0	19.58	19.72	19.44	20.70
5	256QAM	1	12	19.66	19.81	19.73	20.70
5	256QAM	1	24	19.86	19.92	19.78	20.70
5	256QAM	12	0	19.59	19.70	19.62	20.70
5	256QAM	12	7	19.61	19.73	19.45	20.70
5	256QAM	12	13	19.78	19.97	19.83	20.70
5	256QAM	25	0	19.68	19.84	19.59	20.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.66	24.68	24.54	25.70
3	QPSK	1	8	24.53	24.65	24.42	25.70
3	QPSK	1	14	24.38	24.47	24.31	25.70
3	QPSK	8	0	23.62	23.79	23.55	24.70
3	QPSK	8	4	23.33	23.51	23.31	24.70
3	QPSK	8	7	23.33	23.57	23.35	24.70
3	QPSK	15	0	23.45	23.69	23.39	24.70
3	16QAM	1	0	23.62	23.87	23.77	24.70
3	16QAM	1	8	23.76	23.85	23.73	24.70
3	16QAM	1	14	23.76	23.91	23.76	24.70
3	16QAM	8	0	22.38	22.46	22.42	23.70
3	16QAM	8	4	22.58	22.71	22.67	23.70
3	16QAM	8	7	22.52	22.59	22.38	23.70
3	16QAM	15	0	22.47	22.55	22.52	23.70
3	64QAM	1	0	22.36	22.48	22.30	23.70
3	64QAM	1	8	22.75	22.89	22.81	23.70
3	64QAM	1	14	22.87	22.99	22.83	23.70
3	64QAM	8	0	21.48	21.78	21.59	22.70
3	64QAM	8	4	21.32	21.50	21.32	22.70
3	64QAM	8	7	21.47	21.65	21.57	22.70
3	64QAM	15	0	21.73	21.87	21.61	22.70
3	256QAM	1	0	19.50	19.64	19.51	20.70
3	256QAM	1	8	19.65	19.87	19.80	20.70
3	256QAM	1	14	19.87	19.90	19.80	20.70
3	256QAM	8	0	19.55	19.68	19.52	20.70
3	256QAM	8	4	19.55	19.66	19.53	20.70
3	256QAM	8	7	19.85	20.04	19.81	20.70
3	256QAM	15	0	19.65	19.91	19.72	20.70
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	24.65	24.66	24.64	25.70
1.4	QPSK	1	3	24.55	24.64	24.36	25.70
1.4	QPSK	1	5	24.37	24.50	24.32	25.70
1.4	QPSK	3	0	24.59	24.82	24.54	25.70
1.4	QPSK	3	1	24.41	24.54	24.36	25.70
1.4	QPSK	3	3	24.31	24.50	24.40	25.70
1.4	QPSK	6	0	23.47	23.69	23.52	24.70
1.4	16QAM	1	0	23.62	23.80	23.69	24.70
1.4	16QAM	1	3	23.72	23.92	23.68	24.70
1.4	16QAM	1	5	23.82	23.92	23.83	24.70
1.4	16QAM	3	0	23.39	23.58	23.41	24.70
1.4	16QAM	3	1	23.65	23.76	23.64	24.70
1.4	16QAM	3	3	23.48	23.55	23.48	24.70
1.4	16QAM	6	0	22.57	22.63	22.50	23.70
1.4	64QAM	1	0	22.30	22.50	22.32	23.70

1.4	64QAM	1	3	22.73	22.90	22.73	23.70
1.4	64QAM	1	5	22.89	22.93	22.93	23.70
1.4	64QAM	3	0	22.49	22.72	22.60	23.70
1.4	64QAM	3	1	22.30	22.38	22.33	23.70
1.4	64QAM	3	3	22.48	22.77	22.68	23.70
1.4	64QAM	6	0	21.68	21.83	21.63	22.70
1.4	256QAM	1	0	19.54	19.72	19.39	20.70
1.4	256QAM	1	3	19.72	19.85	19.70	20.70
1.4	256QAM	1	5	19.89	20.00	19.77	20.70
1.4	256QAM	3	0	19.48	19.75	19.56	20.70
1.4	256QAM	3	1	19.60	19.65	19.41	20.70
1.4	256QAM	3	3	19.82	19.96	19.85	20.70
1.4	256QAM	6	0	19.68	19.84	19.67	20.70

【LTE Band 4_Ant 4_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.58	24.61	24.60	25.70
20	QPSK	1	49	24.48	24.56	24.47	25.70
20	QPSK	1	99	24.40	24.50	24.36	25.70
20	QPSK	50	0	23.66	23.73	23.58	24.70
20	QPSK	50	24	23.63	23.69	23.64	24.70
20	QPSK	50	50	23.36	23.53	23.46	24.70
20	QPSK	100	0	23.49	23.67	23.60	24.70
20	16QAM	1	0	23.49	23.53	23.40	24.70
20	16QAM	1	49	23.43	23.61	23.50	24.70
20	16QAM	1	99	23.46	23.53	23.51	24.70
20	16QAM	50	0	22.64	22.82	22.72	23.70
20	16QAM	50	24	22.59	22.64	22.59	23.70
20	16QAM	50	50	22.47	22.61	22.52	23.70
20	16QAM	100	0	22.49	22.65	22.53	23.70
20	64QAM	1	0	22.56	22.62	22.47	23.70
20	64QAM	1	49	22.52	22.57	22.46	23.70
20	64QAM	1	99	22.46	22.57	22.54	23.70
20	64QAM	50	0	21.54	21.69	21.59	22.70
20	64QAM	50	24	21.70	21.80	21.73	22.70
20	64QAM	50	50	21.37	21.45	21.43	22.70
20	64QAM	100	0	21.54	21.69	21.54	22.70
20	256QAM	1	0	19.63	19.67	19.59	20.70
20	256QAM	1	49	19.48	19.62	19.59	20.70
20	256QAM	1	99	19.45	19.57	19.52	20.70
20	256QAM	50	0	19.50	19.64	19.59	20.70
20	256QAM	50	24	19.53	19.57	19.47	20.70
20	256QAM	50	50	19.53	19.69	19.59	20.70
20	256QAM	100	0	19.43	19.56	19.47	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.55	24.50	24.58	25.70
15	QPSK	1	37	24.46	24.50	24.38	25.70
15	QPSK	1	74	24.37	24.47	24.23	25.70
15	QPSK	36	0	23.53	23.59	23.50	24.70
15	QPSK	36	20	23.54	23.59	23.51	24.70
15	QPSK	36	39	23.32	23.40	23.39	24.70
15	QPSK	75	0	23.39	23.54	23.52	24.70
15	16QAM	1	0	23.38	23.50	23.32	24.70
15	16QAM	1	37	23.38	23.60	23.36	24.70
15	16QAM	1	74	23.42	23.49	23.39	24.70
15	16QAM	36	0	22.57	22.78	22.63	23.70
15	16QAM	36	20	22.50	22.56	22.52	23.70
15	16QAM	36	39	22.34	22.57	22.40	23.70
15	16QAM	75	0	22.48	22.58	22.48	23.70
15	64QAM	1	0	22.48	22.48	22.42	23.70
15	64QAM	1	37	22.49	22.56	22.36	23.70
15	64QAM	1	74	22.45	22.45	22.39	23.70
15	64QAM	36	0	21.44	21.54	21.50	22.70
15	64QAM	36	20	21.60	21.69	21.72	22.70
15	64QAM	36	39	21.25	21.30	21.33	22.70

15	64QAM	75	0	21.42	21.58	21.47	22.70
15	256QAM	1	0	19.60	19.56	19.44	20.70
15	256QAM	1	37	19.46	19.59	19.44	20.70
15	256QAM	1	74	19.36	19.53	19.41	20.70
15	256QAM	36	0	19.44	19.59	19.47	20.70
15	256QAM	36	20	19.51	19.52	19.40	20.70
15	256QAM	36	39	19.40	19.60	19.44	20.70
15	256QAM	75	0	19.33	19.51	19.32	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.47	24.57	24.56	25.70
10	QPSK	1	25	24.43	24.42	24.33	25.70
10	QPSK	1	49	24.31	24.42	24.32	25.70
10	QPSK	25	0	23.62	23.67	23.53	24.70
10	QPSK	25	12	23.51	23.56	23.59	24.70
10	QPSK	25	25	23.22	23.51	23.32	24.70
10	QPSK	50	0	23.38	23.64	23.58	24.70
10	16QAM	1	0	23.34	23.39	23.31	24.70
10	16QAM	1	25	23.30	23.55	23.36	24.70
10	16QAM	1	49	23.31	23.42	23.41	24.70
10	16QAM	25	0	22.56	22.71	22.68	23.70
10	16QAM	25	12	22.54	22.52	22.56	23.70
10	16QAM	25	25	22.42	22.48	22.39	23.70
10	16QAM	50	0	22.45	22.50	22.49	23.70
10	64QAM	1	0	22.49	22.54	22.37	23.70
10	64QAM	1	25	22.38	22.49	22.40	23.70
10	64QAM	1	49	22.38	22.55	22.40	23.70
10	64QAM	25	0	21.47	21.58	21.54	22.70
10	64QAM	25	12	21.66	21.66	21.63	22.70
10	64QAM	25	25	21.31	21.32	21.29	22.70
10	64QAM	50	0	21.47	21.60	21.46	22.70
10	256QAM	1	0	19.55	19.58	19.58	20.70
10	256QAM	1	25	19.39	19.53	19.49	20.70
10	256QAM	1	49	19.38	19.49	19.39	20.70
10	256QAM	25	0	19.36	19.57	19.44	20.70
10	256QAM	25	12	19.39	19.53	19.43	20.70
10	256QAM	25	25	19.44	19.62	19.57	20.70
10	256QAM	50	0	19.32	19.44	19.45	20.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.49	24.51	24.57	25.70
5	QPSK	1	12	24.43	24.44	24.33	25.70
5	QPSK	1	24	24.27	24.46	24.24	25.70
5	QPSK	12	0	23.64	23.64	23.47	24.70
5	QPSK	12	7	23.59	23.67	23.60	24.70
5	QPSK	12	13	23.31	23.47	23.38	24.70
5	QPSK	25	0	23.41	23.55	23.55	24.70
5	16QAM	1	0	23.45	23.39	23.29	24.70
5	16QAM	1	12	23.32	23.49	23.36	24.70
5	16QAM	1	24	23.44	23.39	23.40	24.70
5	16QAM	12	0	22.59	22.80	22.59	23.70
5	16QAM	12	7	22.57	22.59	22.56	23.70
5	16QAM	12	13	22.37	22.57	22.39	23.70
5	16QAM	25	0	22.43	22.55	22.44	23.70
5	64QAM	1	0	22.50	22.51	22.41	23.70
5	64QAM	1	12	22.46	22.48	22.31	23.70
5	64QAM	1	24	22.35	22.53	22.46	23.70
5	64QAM	12	0	21.44	21.60	21.57	22.70
5	64QAM	12	7	21.60	21.77	21.71	22.70
5	64QAM	12	13	21.27	21.34	21.36	22.70
5	64QAM	25	0	21.53	21.67	21.50	22.70
5	256QAM	1	0	19.50	19.56	19.48	20.70
5	256QAM	1	12	19.39	19.56	19.55	20.70
5	256QAM	1	24	19.38	19.44	19.45	20.70
5	256QAM	12	0	19.36	19.53	19.56	20.70
5	256QAM	12	7	19.41	19.50	19.44	20.70
5	256QAM	12	13	19.46	19.66	19.47	20.70
5	256QAM	25	0	19.35	19.54	19.35	20.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.47	24.59	24.54	25.70
3	QPSK	1	8	24.41	24.43	24.41	25.70
3	QPSK	1	14	24.34	24.46	24.29	25.70
3	QPSK	8	0	23.55	23.66	23.49	24.70

3	QPSK	8	4	23.57	23.59	23.61	24.70
3	QPSK	8	7	23.21	23.43	23.36	24.70
3	QPSK	15	0	23.40	23.55	23.49	24.70
3	16QAM	1	0	23.43	23.43	23.36	24.70
3	16QAM	1	8	23.38	23.54	23.36	24.70
3	16QAM	1	14	23.31	23.46	23.49	24.70
3	16QAM	8	0	22.51	22.71	22.66	23.70
3	16QAM	8	4	22.55	22.63	22.55	23.70
3	16QAM	8	7	22.40	22.47	22.47	23.70
3	16QAM	15	0	22.45	22.57	22.51	23.70
3	64QAM	1	0	22.44	22.53	22.44	23.70
3	64QAM	1	8	22.45	22.49	22.42	23.70
3	64QAM	1	14	22.39	22.49	22.43	23.70
3	64QAM	8	0	21.42	21.56	21.58	22.70
3	64QAM	8	4	21.66	21.72	21.68	22.70
3	64QAM	8	7	21.31	21.39	21.28	22.70
3	64QAM	15	0	21.52	21.68	21.48	22.70
3	256QAM	1	0	19.57	19.66	19.52	20.70
3	256QAM	1	8	19.43	19.48	19.49	20.70
3	256QAM	1	14	19.41	19.44	19.48	20.70
3	256QAM	8	0	19.44	19.58	19.44	20.70
3	256QAM	8	4	19.46	19.52	19.46	20.70
3	256QAM	8	7	19.51	19.59	19.46	20.70
3	256QAM	15	0	19.36	19.43	19.40	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.56	24.52	24.59	25.70
1.4	QPSK	1	3	24.36	24.49	24.43	25.70
1.4	QPSK	1	5	24.26	24.42	24.24	25.70
1.4	QPSK	3	0	24.53	24.67	24.49	25.70
1.4	QPSK	3	1	24.55	24.64	24.62	25.70
1.4	QPSK	3	3	24.28	24.46	24.42	25.70
1.4	QPSK	6	0	23.43	23.54	23.46	24.70
1.4	16QAM	1	0	23.40	23.45	23.34	24.70
1.4	16QAM	1	3	23.34	23.55	23.42	24.70
1.4	16QAM	1	5	23.38	23.42	23.48	24.70
1.4	16QAM	3	0	23.50	23.76	23.68	24.70
1.4	16QAM	3	1	23.55	23.51	23.54	24.70
1.4	16QAM	3	3	23.37	23.57	23.43	24.70
1.4	16QAM	6	0	22.35	22.54	22.49	23.70
1.4	64QAM	1	0	22.45	22.51	22.37	23.70
1.4	64QAM	1	3	22.44	22.54	22.34	23.70
1.4	64QAM	1	5	22.37	22.55	22.45	23.70
1.4	64QAM	3	0	22.52	22.66	22.45	23.70
1.4	64QAM	3	1	22.59	22.66	22.61	23.70
1.4	64QAM	3	3	22.24	22.33	22.34	23.70
1.4	64QAM	6	0	21.53	21.66	21.47	22.70
1.4	256QAM	1	0	19.51	19.63	19.53	20.70
1.4	256QAM	1	3	19.43	19.49	19.55	20.70
1.4	256QAM	1	5	19.44	19.54	19.37	20.70
1.4	256QAM	3	0	19.46	19.61	19.54	20.70
1.4	256QAM	3	1	19.50	19.42	19.33	20.70
1.4	256QAM	3	3	19.39	19.59	19.47	20.70
1.4	256QAM	6	0	19.33	19.46	19.40	20.70

【LTE Band 4_Ant 4_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.64	16.65	16.62	17.70
20	QPSK	1	49	16.53	16.59	16.49	17.70
20	QPSK	1	99	16.44	16.58	16.40	17.70
20	QPSK	50	0	16.49	16.63	16.48	17.70
20	QPSK	50	24	16.45	16.58	16.49	17.70
20	QPSK	50	50	16.52	16.62	16.57	17.70
20	QPSK	100	0	16.39	16.48	16.35	17.70
20	16QAM	1	0	16.48	16.61	16.44	17.70
20	16QAM	1	49	16.46	16.51	16.44	17.70
20	16QAM	1	99	16.60	16.62	16.49	17.70
20	16QAM	50	0	16.48	16.63	16.48	17.70

20	16QAM	50	24	16.48	16.53	16.42	17.70
20	16QAM	50	50	16.37	16.51	16.43	17.70
20	16QAM	100	0	16.48	16.53	16.39	17.70
20	64QAM	1	0	16.45	16.49	16.36	17.70
20	64QAM	1	49	16.45	16.48	16.32	17.70
20	64QAM	1	99	16.38	16.48	16.38	17.70
20	64QAM	50	0	16.45	16.51	16.35	17.70
20	64QAM	50	24	16.44	16.53	16.42	17.70
20	64QAM	50	50	16.53	16.58	16.52	17.70
20	64QAM	100	0	16.53	16.61	16.48	17.70
20	256QAM	1	0	16.55	16.60	16.49	17.70
20	256QAM	1	49	16.46	16.53	16.37	17.70
20	256QAM	1	99	16.43	16.49	16.34	17.70
20	256QAM	50	0	16.45	16.49	16.38	17.70
20	256QAM	50	24	16.42	16.57	16.42	17.70
20	256QAM	50	50	16.52	16.60	16.54	17.70
20	256QAM	100	0	16.55	16.59	16.43	17.70
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	16.63	16.61	16.59	17.70
15	QPSK	1	37	16.42	16.46	16.37	17.70
15	QPSK	1	74	16.39	16.48	16.30	17.70
15	QPSK	36	0	16.40	16.57	16.46	17.70
15	QPSK	36	20	16.32	16.46	16.35	17.70
15	QPSK	36	39	16.40	16.54	16.44	17.70
15	QPSK	75	0	16.35	16.44	16.32	17.70
15	16QAM	1	0	16.36	16.60	16.35	17.70
15	16QAM	1	37	16.38	16.42	16.31	17.70
15	16QAM	1	74	16.54	16.56	16.46	17.70
15	16QAM	36	0	16.42	16.59	16.45	17.70
15	16QAM	36	20	16.42	16.42	16.32	17.70
15	16QAM	36	39	16.30	16.39	16.31	17.70
15	16QAM	75	0	16.43	16.45	16.35	17.70
15	64QAM	1	0	16.36	16.42	16.31	17.70
15	64QAM	1	37	16.39	16.35	16.30	17.70
15	64QAM	1	74	16.30	16.43	16.30	17.70
15	64QAM	36	0	16.38	16.38	16.31	17.70
15	64QAM	36	20	16.32	16.44	16.36	17.70
15	64QAM	36	39	16.39	16.50	16.39	17.70
15	64QAM	75	0	16.46	16.58	16.36	17.70
15	256QAM	1	0	16.51	16.48	16.46	17.70
15	256QAM	1	37	16.36	16.49	16.30	17.70
15	256QAM	1	74	16.38	16.37	16.32	17.70
15	256QAM	36	0	16.31	16.36	16.32	17.70
15	256QAM	36	20	16.35	16.43	16.31	17.70
15	256QAM	36	39	16.50	16.54	16.51	17.70
15	256QAM	75	0	16.44	16.57	16.34	17.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	16.50	16.55	16.55	17.70
10	QPSK	1	25	16.51	16.52	16.38	17.70
10	QPSK	1	49	16.37	16.47	16.35	17.70
10	QPSK	25	0	16.47	16.61	16.36	17.70
10	QPSK	25	12	16.36	16.44	16.36	17.70
10	QPSK	25	25	16.43	16.60	16.52	17.70
10	QPSK	50	0	16.31	16.46	16.30	17.70
10	16QAM	1	0	16.40	16.53	16.31	17.70
10	16QAM	1	25	16.42	16.45	16.43	17.70
10	16QAM	1	49	16.45	16.53	16.44	17.70
10	16QAM	25	0	16.44	16.52	16.34	17.70
10	16QAM	25	12	16.39	16.50	16.31	17.70
10	16QAM	25	25	16.32	16.45	16.35	17.70
10	16QAM	50	0	16.46	16.42	16.31	17.70
10	64QAM	1	0	16.34	16.44	16.34	17.70
10	64QAM	1	25	16.37	16.36	16.31	17.70
10	64QAM	1	49	16.30	16.36	16.32	17.70
10	64QAM	25	0	16.36	16.48	16.30	17.70
10	64QAM	25	12	16.31	16.40	16.35	17.70
10	64QAM	25	25	16.48	16.52	16.40	17.70
10	64QAM	50	0	16.47	16.52	16.41	17.70
10	256QAM	1	0	16.51	16.48	16.40	17.70
10	256QAM	1	25	16.34	16.52	16.31	17.70
10	256QAM	1	49	16.33	16.34	16.30	17.70
10	256QAM	25	0	16.38	16.36	16.30	17.70

10	256QAM	25	12	16.34	16.47	16.37	17.70
10	256QAM	25	25	16.43	16.49	16.46	17.70
10	256QAM	50	0	16.45	16.56	16.41	17.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	16.59	16.51	16.47	17.70
5	QPSK	1	12	16.45	16.44	16.44	17.70
5	QPSK	1	24	16.34	16.56	16.32	17.70
5	QPSK	12	0	16.45	16.49	16.43	17.70
5	QPSK	12	7	16.33	16.43	16.44	17.70
5	QPSK	12	13	16.41	16.51	16.46	17.70
5	QPSK	25	0	16.31	16.45	16.31	17.70
5	16QAM	1	0	16.43	16.47	16.39	17.70
5	16QAM	1	12	16.37	16.36	16.34	17.70
5	16QAM	1	24	16.53	16.57	16.36	17.70
5	16QAM	12	0	16.43	16.51	16.36	17.70
5	16QAM	12	7	16.38	16.51	16.33	17.70
5	16QAM	12	13	16.32	16.46	16.37	17.70
5	16QAM	25	0	16.36	16.39	16.32	17.70
5	64QAM	1	0	16.31	16.37	16.32	17.70
5	64QAM	1	12	16.43	16.43	16.30	17.70
5	64QAM	1	24	16.30	16.39	16.30	17.70
5	64QAM	12	0	16.35	16.40	16.30	17.70
5	64QAM	12	7	16.36	16.39	16.30	17.70
5	64QAM	12	13	16.43	16.45	16.47	17.70
5	64QAM	25	0	16.43	16.51	16.43	17.70
5	256QAM	1	0	16.52	16.52	16.36	17.70
5	256QAM	1	12	16.35	16.47	16.33	17.70
5	256QAM	1	24	16.40	16.35	16.31	17.70
5	256QAM	12	0	16.39	16.39	16.36	17.70
5	256QAM	12	7	16.37	16.54	16.31	17.70
5	256QAM	12	13	16.49	16.50	16.45	17.70
5	256QAM	25	0	16.43	16.46	16.31	17.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	16.50	16.60	16.54	17.70
3	QPSK	1	8	16.41	16.57	16.37	17.70
3	QPSK	1	14	16.40	16.52	16.31	17.70
3	QPSK	8	0	16.42	16.55	16.45	17.70
3	QPSK	8	4	16.41	16.57	16.45	17.70
3	QPSK	8	7	16.39	16.53	16.48	17.70
3	QPSK	15	0	16.30	16.36	16.31	17.70
3	16QAM	1	0	16.45	16.59	16.36	17.70
3	16QAM	1	8	16.39	16.49	16.30	17.70
3	16QAM	1	14	16.52	16.57	16.34	17.70
3	16QAM	8	0	16.37	16.62	16.39	17.70
3	16QAM	8	4	16.36	16.45	16.30	17.70
3	16QAM	8	7	16.30	16.45	16.37	17.70
3	16QAM	15	0	16.34	16.40	16.31	17.70
3	64QAM	1	0	16.34	16.36	16.32	17.70
3	64QAM	1	8	16.43	16.37	16.32	17.70
3	64QAM	1	14	16.31	16.34	16.30	17.70
3	64QAM	8	0	16.39	16.37	16.30	17.70
3	64QAM	8	4	16.32	16.47	16.39	17.70
3	64QAM	8	7	16.47	16.47	16.49	17.70
3	64QAM	15	0	16.50	16.54	16.39	17.70
3	256QAM	1	0	16.44	16.51	16.38	17.70
3	256QAM	1	8	16.32	16.50	16.31	17.70
3	256QAM	1	14	16.33	16.45	16.31	17.70
3	256QAM	8	0	16.39	16.47	16.30	17.70
3	256QAM	8	4	16.31	16.51	16.33	17.70
3	256QAM	8	7	16.49	16.56	16.50	17.70
3	256QAM	15	0	16.52	16.56	16.41	17.70
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	16.49	16.52	16.49	17.70
1.4	QPSK	1	3	16.51	16.55	16.34	17.70
1.4	QPSK	1	5	16.35	16.55	16.38	17.70
1.4	QPSK	3	0	16.35	16.57	16.42	17.70
1.4	QPSK	3	1	16.31	16.44	16.40	17.70
1.4	QPSK	3	3	16.43	16.56	16.54	17.70
1.4	QPSK	6	0	16.36	16.34	16.30	17.70
1.4	16QAM	1	0	16.36	16.49	16.30	17.70
1.4	16QAM	1	3	16.37	16.37	16.36	17.70

1.4	16QAM	1	5	16.49	16.54	16.40	17.70
1.4	16QAM	3	0	16.42	16.50	16.47	17.70
1.4	16QAM	3	1	16.35	16.38	16.39	17.70
1.4	16QAM	3	3	16.33	16.42	16.32	17.70
1.4	16QAM	6	0	16.39	16.48	16.30	17.70
1.4	64QAM	1	0	16.37	16.39	16.32	17.70
1.4	64QAM	1	3	16.33	16.42	16.31	17.70
1.4	64QAM	1	5	16.34	16.47	16.30	17.70
1.4	64QAM	3	0	16.33	16.47	16.31	17.70
1.4	64QAM	3	1	16.32	16.48	16.33	17.70
1.4	64QAM	3	3	16.47	16.57	16.38	17.70
1.4	64QAM	6	0	16.38	16.50	16.41	17.70
1.4	256QAM	1	0	16.48	16.55	16.43	17.70
1.4	256QAM	1	3	16.32	16.49	16.30	17.70
1.4	256QAM	1	5	16.35	16.34	16.30	17.70
1.4	256QAM	3	0	16.37	16.36	16.31	17.70
1.4	256QAM	3	1	16.40	16.46	16.32	17.70
1.4	256QAM	3	3	16.50	16.48	16.49	17.70
1.4	256QAM	6	0	16.46	16.54	16.33	17.70

【LTE Band 4_Ant 4_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	18.20
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.70	16.75	16.67	18.20
20	QPSK	1	49	16.46	16.59	16.48	18.20
20	QPSK	1	99	16.56	16.63	16.43	18.20
20	QPSK	50	0	16.69	16.72	16.68	18.20
20	QPSK	50	24	16.65	16.70	16.61	18.20
20	QPSK	50	50	16.58	16.71	16.58	18.20
20	QPSK	100	0	16.60	16.70	16.54	18.20
20	16QAM	1	0	16.49	16.60	16.44	18.20
20	16QAM	1	49	16.40	16.51	16.37	18.20
20	16QAM	1	99	16.45	16.54	16.32	18.20
20	16QAM	50	0	16.31	16.50	16.32	18.20
20	16QAM	50	24	16.59	16.70	16.49	18.20
20	16QAM	50	50	16.45	16.63	16.46	18.20
20	16QAM	100	0	16.60	16.69	16.55	18.20
20	64QAM	1	0	16.38	16.57	16.35	18.20
20	64QAM	1	49	16.57	16.65	16.55	18.20
20	64QAM	1	99	16.66	16.73	16.57	18.20
20	64QAM	50	0	16.34	16.51	16.42	18.20
20	64QAM	50	24	16.33	16.51	16.33	18.20
20	64QAM	50	50	16.51	16.59	16.49	18.20
20	64QAM	100	0	16.56	16.63	16.44	18.20
20	256QAM	1	0	16.43	16.56	16.45	18.20
20	256QAM	1	49	16.59	16.71	16.59	18.20
20	256QAM	1	99	16.53	16.60	16.44	18.20
20	256QAM	50	0	16.53	16.61	16.41	18.20
20	256QAM	50	24	16.50	16.57	16.48	18.20
20	256QAM	50	50	16.59	16.72	16.54	18.20
20	256QAM	100	0	16.51	16.59	16.39	18.20
Channel				20025	20175	20325	18.20
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.63	16.67	16.60	18.20
15	QPSK	1	37	16.36	16.51	16.34	18.20
15	QPSK	1	74	16.53	16.51	16.33	18.20
15	QPSK	36	0	16.60	16.68	16.58	18.20
15	QPSK	36	20	16.51	16.60	16.46	18.20
15	QPSK	36	39	16.48	16.67	16.49	18.20
15	QPSK	75	0	16.50	16.60	16.44	18.20
15	16QAM	1	0	16.46	16.54	16.30	18.20
15	16QAM	1	37	16.27	16.46	16.36	18.20
15	16QAM	1	74	16.31	16.51	16.22	18.20
15	16QAM	36	0	16.29	16.43	16.23	18.20
15	16QAM	36	20	16.50	16.67	16.43	18.20
15	16QAM	36	39	16.33	16.56	16.37	18.20
15	16QAM	75	0	16.54	16.64	16.53	18.20

15	64QAM	1	0	16.29	16.46	16.24	18.20
15	64QAM	1	37	16.44	16.54	16.46	18.20
15	64QAM	1	74	16.61	16.63	16.55	18.20
15	64QAM	36	0	16.24	16.38	16.36	18.20
15	64QAM	36	20	16.28	16.48	16.26	18.20
15	64QAM	36	39	16.37	16.58	16.45	18.20
15	64QAM	75	0	16.50	16.56	16.32	18.20
15	256QAM	1	0	16.33	16.45	16.38	18.20
15	256QAM	1	37	16.46	16.63	16.49	18.20
15	256QAM	1	74	16.39	16.57	16.41	18.20
15	256QAM	36	0	16.44	16.55	16.29	18.20
15	256QAM	36	20	16.36	16.56	16.40	18.20
15	256QAM	36	39	16.50	16.61	16.45	18.20
15	256QAM	75	0	16.42	16.51	16.28	18.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.67	16.65	16.65	18.20
10	QPSK	1	25	16.36	16.49	16.34	18.20
10	QPSK	1	49	16.46	16.61	16.40	18.20
10	QPSK	25	0	16.61	16.63	16.64	18.20
10	QPSK	25	12	16.55	16.56	16.60	18.20
10	QPSK	25	25	16.53	16.60	16.52	18.20
10	QPSK	50	0	16.56	16.64	16.44	18.20
10	16QAM	1	0	16.40	16.48	16.38	18.20
10	16QAM	1	25	16.32	16.50	16.24	18.20
10	16QAM	1	49	16.41	16.51	16.29	18.20
10	16QAM	25	0	16.23	16.36	16.29	18.20
10	16QAM	25	12	16.46	16.62	16.41	18.20
10	16QAM	25	25	16.41	16.62	16.39	18.20
10	16QAM	50	0	16.53	16.58	16.51	18.20
10	64QAM	1	0	16.30	16.55	16.32	18.20
10	64QAM	1	25	16.55	16.60	16.47	18.20
10	64QAM	1	49	16.51	16.65	16.53	18.20
10	64QAM	25	0	16.25	16.45	16.39	18.20
10	64QAM	25	12	16.25	16.43	16.23	18.20
10	64QAM	25	25	16.48	16.54	16.37	18.20
10	64QAM	50	0	16.48	16.51	16.37	18.20
10	256QAM	1	0	16.31	16.50	16.33	18.20
10	256QAM	1	25	16.56	16.65	16.52	18.20
10	256QAM	1	49	16.42	16.47	16.37	18.20
10	256QAM	25	0	16.42	16.49	16.35	18.20
10	256QAM	25	12	16.46	16.42	16.34	18.20
10	256QAM	25	25	16.51	16.59	16.42	18.20
10	256QAM	50	0	16.37	16.50	16.32	18.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.59	16.72	16.63	18.20
5	QPSK	1	12	16.37	16.47	16.37	18.20
5	QPSK	1	24	16.52	16.50	16.39	18.20
5	QPSK	12	0	16.59	16.71	16.65	18.20
5	QPSK	12	7	16.59	16.64	16.53	18.20
5	QPSK	12	13	16.55	16.57	16.44	18.20
5	QPSK	25	0	16.53	16.63	16.46	18.20
5	16QAM	1	0	16.39	16.55	16.41	18.20
5	16QAM	1	12	16.32	16.37	16.29	18.20
5	16QAM	1	24	16.38	16.45	16.29	18.20
5	16QAM	12	0	16.22	16.35	16.24	18.20
5	16QAM	12	7	16.47	16.64	16.35	18.20
5	16QAM	12	13	16.37	16.61	16.37	18.20
5	16QAM	25	0	16.47	16.63	16.51	18.20
5	64QAM	1	0	16.37	16.48	16.29	18.20
5	64QAM	1	12	16.44	16.59	16.46	18.20
5	64QAM	1	24	16.55	16.70	16.51	18.20
5	64QAM	12	0	16.25	16.40	16.39	18.20
5	64QAM	12	7	16.23	16.46	16.26	18.20
5	64QAM	12	13	16.39	16.53	16.36	18.20
5	64QAM	25	0	16.55	16.57	16.33	18.20
5	256QAM	1	0	16.41	16.50	16.34	18.20
5	256QAM	1	12	16.46	16.66	16.45	18.20
5	256QAM	1	24	16.42	16.59	16.41	18.20
5	256QAM	12	0	16.41	16.58	16.35	18.20
5	256QAM	12	7	16.45	16.46	16.43	18.20
5	256QAM	12	13	16.51	16.68	16.51	18.20
5	256QAM	25	0	16.40	16.51	16.33	18.20

Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	16.62	16.68	16.64	18.20
3	QPSK	1	8	16.38	16.58	16.38	18.20
3	QPSK	1	14	16.50	16.53	16.35	18.20
3	QPSK	8	0	16.61	16.61	16.63	18.20
3	QPSK	8	4	16.58	16.62	16.50	18.20
3	QPSK	8	7	16.56	16.61	16.57	18.20
3	QPSK	15	0	16.51	16.67	16.41	18.20
3	16QAM	1	0	16.38	16.53	16.37	18.20
3	16QAM	1	8	16.36	16.41	16.26	18.20
3	16QAM	1	14	16.41	16.44	16.21	18.20
3	16QAM	8	0	16.16	16.46	16.25	18.20
3	16QAM	8	4	16.51	16.64	16.36	18.20
3	16QAM	8	7	16.32	16.49	16.39	18.20
3	16QAM	15	0	16.54	16.67	16.50	18.20
3	64QAM	1	0	16.24	16.47	16.23	18.20
3	64QAM	1	8	16.51	16.54	16.47	18.20
3	64QAM	1	14	16.60	16.72	16.44	18.20
3	64QAM	8	0	16.25	16.39	16.41	18.20
3	64QAM	8	4	16.21	16.38	16.28	18.20
3	64QAM	8	7	16.43	16.52	16.39	18.20
3	64QAM	15	0	16.46	16.61	16.37	18.20
3	256QAM	1	0	16.28	16.54	16.30	18.20
3	256QAM	1	8	16.51	16.64	16.58	18.20
3	256QAM	1	14	16.42	16.47	16.38	18.20
3	256QAM	8	0	16.46	16.48	16.38	18.20
3	256QAM	8	4	16.37	16.55	16.40	18.20
3	256QAM	8	7	16.50	16.64	16.41	18.20
3	256QAM	15	0	16.39	16.51	16.33	18.20
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	16.64	16.73	16.53	18.20
1.4	QPSK	1	3	16.34	16.49	16.42	18.20
1.4	QPSK	1	5	16.44	16.56	16.32	18.20
1.4	QPSK	3	0	16.67	16.62	16.65	18.20
1.4	QPSK	3	1	16.61	16.63	16.59	18.20
1.4	QPSK	3	3	16.44	16.63	16.47	18.20
1.4	QPSK	6	0	16.55	16.65	16.47	18.20
1.4	16QAM	1	0	16.41	16.52	16.31	18.20
1.4	16QAM	1	3	16.39	16.45	16.22	18.20
1.4	16QAM	1	5	16.39	16.53	16.17	18.20
1.4	16QAM	3	0	16.21	16.47	16.23	18.20
1.4	16QAM	3	1	16.46	16.57	16.47	18.20
1.4	16QAM	3	3	16.34	16.62	16.38	18.20
1.4	16QAM	6	0	16.51	16.68	16.43	18.20
1.4	64QAM	1	0	16.34	16.46	16.29	18.20
1.4	64QAM	1	3	16.56	16.57	16.44	18.20
1.4	64QAM	1	5	16.52	16.61	16.52	18.20
1.4	64QAM	3	0	16.28	16.40	16.39	18.20
1.4	64QAM	3	1	16.29	16.48	16.29	18.20
1.4	64QAM	3	3	16.39	16.57	16.41	18.20
1.4	64QAM	6	0	16.41	16.49	16.42	18.20
1.4	256QAM	1	0	16.41	16.52	16.34	18.20
1.4	256QAM	1	3	16.56	16.69	16.55	18.20
1.4	256QAM	1	5	16.46	16.50	16.36	18.20
1.4	256QAM	3	0	16.52	16.59	16.32	18.20
1.4	256QAM	3	1	16.48	16.55	16.44	18.20
1.4	256QAM	3	3	16.44	16.67	16.40	18.20
1.4	256QAM	6	0	16.38	16.54	16.30	18.20

【LTE Band 4_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.99	19.09	18.99	20.20
20	QPSK	1	49	18.99	18.99	18.99	20.20
20	QPSK	1	99	19.05	19.05	19.05	20.20

20	QPSK	50	0	19.02	19.08	19.02	20.20
20	QPSK	50	24	19.06	19.06	19.06	20.20
20	QPSK	50	50	19.09	19.05	19.09	20.20
20	QPSK	100	0	19.08	19.08	19.08	20.20
20	16QAM	1	0	19.02	19.02	19.02	20.20
20	16QAM	1	49	19.07	19.07	19.07	20.20
20	16QAM	1	99	18.98	18.98	18.98	20.20
20	16QAM	50	0	18.98	18.98	18.98	20.20
20	16QAM	50	24	19.00	19.00	19.00	20.20
20	16QAM	50	50	19.07	19.07	19.07	20.20
20	16QAM	100	0	19.08	19.08	19.08	20.20
20	64QAM	1	0	18.97	18.97	18.97	20.20
20	64QAM	1	49	19.03	19.03	19.03	20.20
20	64QAM	1	99	19.07	19.07	19.07	20.20
20	64QAM	50	0	19.01	19.01	19.01	20.20
20	64QAM	50	24	19.00	19.00	19.00	20.20
20	64QAM	50	50	19.03	19.03	19.03	20.20
20	64QAM	100	0	18.98	18.98	18.98	20.20
20	256QAM	1	0	18.98	18.98	18.98	20.20
20	256QAM	1	49	18.96	18.96	18.96	20.20
20	256QAM	1	99	19.07	19.07	19.07	20.20
20	256QAM	50	0	18.97	18.97	18.97	20.20
20	256QAM	50	24	19.08	19.08	19.08	20.20
20	256QAM	50	50	19.03	19.03	19.03	20.20
20	256QAM	100	0	19.09	19.09	19.09	20.20
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	18.99	18.99	18.99	20.20
15	QPSK	1	37	19.05	19.05	19.05	20.20
15	QPSK	1	74	19.02	19.02	19.02	20.20
15	QPSK	36	0	19.06	19.06	19.06	20.20
15	QPSK	36	20	19.09	19.09	19.09	20.20
15	QPSK	36	39	19.08	19.08	19.08	20.20
15	QPSK	75	0	19.02	19.02	19.02	20.20
15	16QAM	1	0	19.07	19.07	19.07	20.20
15	16QAM	1	37	18.98	18.98	18.98	20.20
15	16QAM	1	74	18.98	18.98	18.98	20.20
15	16QAM	36	0	19.00	19.00	19.00	20.20
15	16QAM	36	20	19.07	19.07	19.07	20.20
15	16QAM	36	39	19.08	19.08	19.08	20.20
15	16QAM	75	0	18.97	18.97	18.97	20.20
15	64QAM	1	0	19.03	19.03	19.03	20.20
15	64QAM	1	37	19.07	19.07	19.07	20.20
15	64QAM	1	74	19.01	19.01	19.01	20.20
15	64QAM	36	0	19.00	19.00	19.00	20.20
15	64QAM	36	20	19.03	19.03	19.03	20.20
15	64QAM	36	39	18.98	18.98	18.98	20.20
15	64QAM	75	0	18.98	18.98	18.98	20.20
15	256QAM	1	0	18.96	18.96	18.96	20.20
15	256QAM	1	37	19.07	19.07	19.07	20.20
15	256QAM	1	74	18.97	18.97	18.97	20.20
15	256QAM	36	0	19.08	19.08	19.08	20.20
15	256QAM	36	20	19.03	19.03	19.03	20.20
15	256QAM	36	39	19.09	19.09	19.09	20.20
15	256QAM	75	0	18.98	18.98	18.98	20.20
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.05	19.05	19.05	20.20
10	QPSK	1	25	19.02	19.02	19.02	20.20
10	QPSK	1	49	19.06	19.06	19.06	20.20
10	QPSK	25	0	19.09	19.09	19.09	20.20
10	QPSK	25	12	19.08	19.08	19.08	20.20
10	QPSK	25	25	19.02	19.02	19.02	20.20
10	QPSK	50	0	19.07	19.07	19.07	20.20
10	16QAM	1	0	18.98	18.98	18.98	20.20
10	16QAM	1	25	18.98	18.98	18.98	20.20
10	16QAM	1	49	19.00	19.00	19.00	20.20
10	16QAM	25	0	19.07	19.07	19.07	20.20
10	16QAM	25	12	19.08	19.08	19.08	20.20
10	16QAM	25	25	18.97	18.97	18.97	20.20
10	16QAM	50	0	19.03	19.03	19.03	20.20
10	64QAM	1	0	19.07	19.07	19.07	20.20
10	64QAM	1	25	19.01	19.01	19.01	20.20
10	64QAM	1	49	19.00	19.00	19.00	20.20

10	64QAM	25	0	19.03	19.03	19.03	20.20
10	64QAM	25	12	18.98	18.98	18.98	20.20
10	64QAM	25	25	18.98	18.98	18.98	20.20
10	64QAM	50	0	18.96	18.96	18.96	20.20
10	256QAM	1	0	19.07	19.07	19.07	20.20
10	256QAM	1	25	18.97	18.97	18.97	20.20
10	256QAM	1	49	19.08	19.08	19.08	20.20
10	256QAM	25	0	19.03	19.03	19.03	20.20
10	256QAM	25	12	19.09	19.09	19.09	20.20
10	256QAM	25	25	18.98	18.98	18.98	20.20
10	256QAM	50	0	18.99	18.99	18.99	20.20
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.02	19.02	19.02	20.20
5	QPSK	1	12	19.06	19.06	19.06	20.20
5	QPSK	1	24	19.09	19.09	19.09	20.20
5	QPSK	12	0	19.08	19.08	19.08	20.20
5	QPSK	12	7	19.02	19.02	19.02	20.20
5	QPSK	12	13	19.07	19.07	19.07	20.20
5	QPSK	25	0	18.98	18.98	18.98	20.20
5	16QAM	1	0	18.98	18.98	18.98	20.20
5	16QAM	1	12	19.00	19.00	19.00	20.20
5	16QAM	1	24	19.07	19.07	19.07	20.20
5	16QAM	12	0	19.08	19.08	19.08	20.20
5	16QAM	12	7	18.97	18.97	18.97	20.20
5	16QAM	12	13	19.03	19.03	19.03	20.20
5	16QAM	25	0	19.07	19.07	19.07	20.20
5	64QAM	1	0	19.01	19.01	19.01	20.20
5	64QAM	1	12	19.00	19.00	19.00	20.20
5	64QAM	1	24	19.03	19.03	19.03	20.20
5	64QAM	12	0	18.98	18.98	18.98	20.20
5	64QAM	12	7	18.98	18.98	18.98	20.20
5	64QAM	12	13	18.96	18.96	18.96	20.20
5	64QAM	25	0	19.07	19.07	19.07	20.20
5	256QAM	1	0	18.97	18.97	18.97	20.20
5	256QAM	1	12	19.08	19.08	19.08	20.20
5	256QAM	1	24	19.03	19.03	19.03	20.20
5	256QAM	12	0	19.09	19.09	19.09	20.20
5	256QAM	12	7	18.98	18.98	18.98	20.20
5	256QAM	12	13	18.99	18.99	18.99	20.20
5	256QAM	25	0	18.99	18.99	18.99	20.20
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.06	19.06	19.06	20.20
3	QPSK	1	8	19.09	19.09	19.09	20.20
3	QPSK	1	14	19.08	19.08	19.08	20.20
3	QPSK	8	0	19.02	19.02	19.02	20.20
3	QPSK	8	4	19.07	19.07	19.07	20.20
3	QPSK	8	7	18.98	18.98	18.98	20.20
3	QPSK	15	0	18.98	18.98	18.98	20.20
3	16QAM	1	0	19.00	19.00	19.00	20.20
3	16QAM	1	8	19.07	19.07	19.07	20.20
3	16QAM	1	14	19.08	19.08	19.08	20.20
3	16QAM	8	0	18.97	18.97	18.97	20.20
3	16QAM	8	4	19.03	19.03	19.03	20.20
3	16QAM	8	7	19.07	19.07	19.07	20.20
3	16QAM	15	0	19.01	19.01	19.01	20.20
3	64QAM	1	0	19.00	19.00	19.00	20.20
3	64QAM	1	8	19.03	19.03	19.03	20.20
3	64QAM	1	14	18.98	18.98	18.98	20.20
3	64QAM	8	0	18.98	18.98	18.98	20.20
3	64QAM	8	4	18.96	18.96	18.96	20.20
3	64QAM	8	7	19.07	19.07	19.07	20.20
3	64QAM	15	0	18.97	18.97	18.97	20.20
3	256QAM	1	0	19.08	19.08	19.08	20.20
3	256QAM	1	8	19.03	19.03	19.03	20.20
3	256QAM	1	14	19.09	19.09	19.09	20.20
3	256QAM	8	0	18.98	18.98	18.98	20.20
3	256QAM	8	4	18.99	18.99	18.99	20.20
3	256QAM	8	7	18.99	18.99	18.99	20.20
3	256QAM	15	0	19.05	19.05	19.05	20.20
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	19.09	19.09	19.09	20.20

1.4	QPSK	1	3	19.08	19.08	19.08	20.20
1.4	QPSK	1	5	19.02	19.02	19.02	20.20
1.4	QPSK	3	0	19.07	19.07	19.07	20.20
1.4	QPSK	3	1	18.98	18.98	18.98	20.20
1.4	QPSK	3	3	18.98	18.98	18.98	20.20
1.4	QPSK	6	0	19.00	19.00	19.00	20.20
1.4	16QAM	1	0	19.07	19.07	19.07	20.20
1.4	16QAM	1	3	19.08	19.08	19.08	20.20
1.4	16QAM	1	5	18.97	18.97	18.97	20.20
1.4	16QAM	3	0	19.03	19.03	19.03	20.20
1.4	16QAM	3	1	19.07	19.07	19.07	20.20
1.4	16QAM	3	3	19.01	19.01	19.01	20.20
1.4	16QAM	6	0	19.00	19.00	19.00	20.20
1.4	64QAM	1	0	19.03	19.03	19.03	20.20
1.4	64QAM	1	3	18.98	18.98	18.98	20.20
1.4	64QAM	1	5	18.98	18.98	18.98	20.20
1.4	64QAM	3	0	18.96	18.96	18.96	20.20
1.4	64QAM	3	1	19.07	19.07	19.07	20.20
1.4	64QAM	3	3	18.97	18.97	18.97	20.20
1.4	64QAM	6	0	19.08	19.08	19.08	20.20
1.4	256QAM	1	0	19.03	19.03	19.03	20.20
1.4	256QAM	1	3	19.09	19.09	19.09	20.20
1.4	256QAM	1	5	18.98	18.98	18.98	20.20
1.4	256QAM	3	0	18.99	18.99	18.99	20.20
1.4	256QAM	3	1	18.99	18.99	18.99	20.20
1.4	256QAM	3	3	19.05	19.05	19.05	20.20
1.4	256QAM	6	0	19.02	19.02	19.02	20.20

【LTE Band 4_Ant 4_DSI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.17	19.22	19.20	20.70
20	QPSK	1	49	18.97	19.08	18.94	20.70
20	QPSK	1	99	18.95	19.04	18.99	20.70
20	QPSK	50	0	19.10	19.18	19.12	20.70
20	QPSK	50	24	19.09	19.08	19.11	20.70
20	QPSK	50	50	18.98	19.09	18.96	20.70
20	QPSK	100	0	19.01	19.08	18.92	20.70
20	16QAM	1	0	18.97	19.13	19.08	20.70
20	16QAM	1	49	19.02	19.21	19.07	20.70
20	16QAM	1	99	18.86	19.03	18.94	20.70
20	16QAM	50	0	19.12	19.20	19.03	20.70
20	16QAM	50	24	18.99	19.10	19.03	20.70
20	16QAM	50	50	18.82	18.99	18.89	20.70
20	16QAM	100	0	18.95	19.12	19.00	20.70
20	64QAM	1	0	18.99	19.09	18.96	20.70
20	64QAM	1	49	18.99	19.11	18.98	20.70
20	64QAM	1	99	18.88	19.02	18.97	20.70
20	64QAM	50	0	18.99	19.13	18.96	20.70
20	64QAM	50	24	18.97	19.07	18.96	20.70
20	64QAM	50	50	18.94	19.02	18.89	20.70
20	64QAM	100	0	19.04	19.11	18.99	20.70
20	256QAM	1	0	19.03	19.10	18.95	20.70
20	256QAM	1	49	18.83	19.02	18.90	20.70
20	256QAM	1	99	19.10	19.20	19.05	20.70
20	256QAM	50	0	19.06	19.14	18.97	20.70
20	256QAM	50	24	19.02	19.15	19.01	20.70
20	256QAM	50	50	19.13	19.22	19.05	20.70
20	256QAM	100	0	19.02	19.08	18.95	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.15	19.11	19.08	20.70
15	QPSK	1	37	18.90	18.99	18.81	20.70
15	QPSK	1	74	18.82	19.02	18.97	20.70
15	QPSK	36	0	18.96	19.05	18.94	20.70
15	QPSK	36	20	18.89	19.03	18.98	20.70
15	QPSK	36	39	18.88	19.04	18.81	20.70

15	QPSK	75	0	18.94	18.99	18.85	20.70
15	16QAM	1	0	18.87	18.99	18.94	20.70
15	16QAM	1	37	19.00	19.19	19.05	20.70
15	16QAM	1	74	18.73	19.01	18.90	20.70
15	16QAM	36	0	19.11	19.18	18.96	20.70
15	16QAM	36	20	18.84	18.98	18.97	20.70
15	16QAM	36	39	18.71	18.95	18.86	20.70
15	16QAM	75	0	18.86	19.00	18.95	20.70
15	64QAM	1	0	18.88	19.01	18.85	20.70
15	64QAM	1	37	18.95	18.97	18.93	20.70
15	64QAM	1	74	18.85	18.94	18.95	20.70
15	64QAM	36	0	18.88	19.01	18.83	20.70
15	64QAM	36	20	18.89	18.92	18.92	20.70
15	64QAM	36	39	18.91	18.94	18.77	20.70
15	64QAM	75	0	19.02	18.99	18.91	20.70
15	256QAM	1	0	18.90	19.02	18.82	20.70
15	256QAM	1	37	18.79	18.90	18.89	20.70
15	256QAM	1	74	19.06	19.07	19.00	20.70
15	256QAM	36	0	18.97	19.08	18.95	20.70
15	256QAM	36	20	18.97	19.13	18.94	20.70
15	256QAM	36	39	19.00	19.13	18.99	20.70
15	256QAM	75	0	18.91	19.05	18.87	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.05	19.16	19.16	20.70
10	QPSK	1	25	18.86	19.05	18.90	20.70
10	QPSK	1	49	18.82	18.97	18.91	20.70
10	QPSK	25	0	18.89	19.06	18.91	20.70
10	QPSK	25	12	19.00	19.17	18.99	20.70
10	QPSK	25	25	18.95	18.98	18.87	20.70
10	QPSK	50	0	18.89	19.05	18.86	20.70
10	16QAM	1	0	18.82	19.08	19.03	20.70
10	16QAM	1	25	19.00	19.10	18.97	20.70
10	16QAM	1	49	18.77	18.95	18.86	20.70
10	16QAM	25	0	19.04	19.07	18.99	20.70
10	16QAM	25	12	18.94	18.96	18.89	20.70
10	16QAM	25	25	18.72	18.87	18.85	20.70
10	16QAM	50	0	18.91	19.02	18.87	20.70
10	64QAM	1	0	18.93	19.07	18.93	20.70
10	64QAM	1	25	18.91	19.06	18.90	20.70
10	64QAM	1	49	18.73	18.94	18.91	20.70
10	64QAM	25	0	18.90	18.99	18.83	20.70
10	64QAM	25	12	18.89	19.04	18.88	20.70
10	64QAM	25	25	18.85	18.96	18.81	20.70
10	64QAM	50	0	18.92	19.01	18.92	20.70
10	256QAM	1	0	18.95	18.98	18.86	20.70
10	256QAM	1	25	18.69	18.94	18.83	20.70
10	256QAM	1	49	19.07	19.09	18.94	20.70
10	256QAM	25	0	18.93	19.04	18.84	20.70
10	256QAM	25	12	18.98	19.12	18.99	20.70
10	256QAM	25	25	19.09	19.11	19.01	20.70
10	256QAM	50	0	18.89	19.01	18.90	20.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.08	19.17	19.17	20.70
5	QPSK	1	12	18.85	18.99	18.87	20.70
5	QPSK	1	24	18.86	18.93	18.97	20.70
5	QPSK	12	0	18.97	18.94	18.95	20.70
5	QPSK	12	7	18.97	19.15	18.98	20.70
5	QPSK	12	13	18.85	19.01	18.84	20.70
5	QPSK	25	0	18.92	19.07	18.85	20.70
5	16QAM	1	0	18.87	19.07	18.96	20.70
5	16QAM	1	12	18.89	19.07	18.93	20.70
5	16QAM	1	24	18.85	18.91	18.80	20.70
5	16QAM	12	0	19.03	19.15	18.89	20.70
5	16QAM	12	7	18.84	18.96	18.93	20.70
5	16QAM	12	13	18.76	18.98	18.75	20.70
5	16QAM	25	0	18.89	19.08	18.93	20.70
5	64QAM	1	0	18.92	19.04	18.81	20.70
5	64QAM	1	12	18.91	18.99	18.94	20.70
5	64QAM	1	24	18.78	19.00	18.94	20.70
5	64QAM	12	0	18.87	19.08	18.85	20.70
5	64QAM	12	7	18.89	18.94	18.86	20.70
5	64QAM	12	13	18.93	19.00	18.78	20.70

5	64QAM	25	0	18.93	19.09	18.97	20.70
5	256QAM	1	0	18.96	19.00	18.91	20.70
5	256QAM	1	12	18.73	18.95	18.76	20.70
5	256QAM	1	24	19.06	19.11	18.97	20.70
5	256QAM	12	0	19.01	19.11	18.90	20.70
5	256QAM	12	7	18.91	19.05	18.97	20.70
5	256QAM	12	13	18.99	19.17	19.00	20.70
5	256QAM	25	0	18.88	18.96	18.83	20.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.13	19.16	19.19	20.70
3	QPSK	1	8	18.83	18.98	18.81	20.70
3	QPSK	1	14	18.89	19.02	18.84	20.70
3	QPSK	8	0	18.95	18.96	18.89	20.70
3	QPSK	8	4	18.91	19.17	19.04	20.70
3	QPSK	8	7	18.88	19.07	18.89	20.70
3	QPSK	15	0	18.95	18.96	18.81	20.70
3	16QAM	1	0	18.85	19.06	18.97	20.70
3	16QAM	1	8	18.96	19.10	18.92	20.70
3	16QAM	1	14	18.72	18.97	18.84	20.70
3	16QAM	8	0	19.07	19.12	19.00	20.70
3	16QAM	8	4	18.92	19.04	18.93	20.70
3	16QAM	8	7	18.80	18.95	18.82	20.70
3	16QAM	15	0	18.94	19.06	18.88	20.70
3	64QAM	1	0	18.90	18.97	18.93	20.70
3	64QAM	1	8	18.97	19.06	18.91	20.70
3	64QAM	1	14	18.84	19.00	18.92	20.70
3	64QAM	8	0	18.94	19.03	18.88	20.70
3	64QAM	8	4	18.94	19.01	18.92	20.70
3	64QAM	8	7	18.92	18.97	18.82	20.70
3	64QAM	15	0	18.90	18.99	18.89	20.70
3	256QAM	1	0	18.90	19.01	18.93	20.70
3	256QAM	1	8	18.75	18.94	18.82	20.70
3	256QAM	1	14	19.09	19.18	18.97	20.70
3	256QAM	8	0	18.99	19.04	18.94	20.70
3	256QAM	8	4	18.97	19.09	18.99	20.70
3	256QAM	8	7	19.12	19.20	19.00	20.70
3	256QAM	15	0	18.91	18.99	18.82	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.06	19.15	19.11	20.70
1.4	QPSK	1	3	18.91	18.95	18.82	20.70
1.4	QPSK	1	5	18.86	18.91	18.90	20.70
1.4	QPSK	3	0	18.88	18.94	18.93	20.70
1.4	QPSK	3	1	18.92	19.03	18.98	20.70
1.4	QPSK	3	3	18.91	18.99	18.94	20.70
1.4	QPSK	6	0	18.90	18.99	18.81	20.70
1.4	16QAM	1	0	18.86	19.04	19.01	20.70
1.4	16QAM	1	3	18.94	19.20	18.98	20.70
1.4	16QAM	1	5	18.84	18.95	18.92	20.70
1.4	16QAM	3	0	19.01	19.08	18.90	20.70
1.4	16QAM	3	1	18.97	19.05	18.97	20.70
1.4	16QAM	3	3	18.76	18.93	18.78	20.70
1.4	16QAM	6	0	18.86	18.98	18.93	20.70
1.4	64QAM	1	0	18.85	19.03	18.90	20.70
1.4	64QAM	1	3	18.96	19.04	18.90	20.70
1.4	64QAM	1	5	18.79	18.99	18.91	20.70
1.4	64QAM	3	0	18.90	19.11	18.90	20.70
1.4	64QAM	3	1	18.87	18.99	18.87	20.70
1.4	64QAM	3	3	18.79	18.87	18.86	20.70
1.4	64QAM	6	0	18.96	18.98	18.94	20.70
1.4	256QAM	1	0	18.95	19.07	18.91	20.70
1.4	256QAM	1	3	18.75	18.91	18.83	20.70
1.4	256QAM	1	5	19.05	19.17	18.92	20.70
1.4	256QAM	3	0	19.04	19.08	18.92	20.70
1.4	256QAM	3	1	18.88	19.02	18.89	20.70
1.4	256QAM	3	3	19.02	19.16	19.02	20.70
1.4	256QAM	6	0	18.94	18.96	18.91	20.70

【LTE Band 4_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.70	24.76	24.68	25.70
20	QPSK	1	49	24.61	24.70	24.50	25.70
20	QPSK	1	99	24.49	24.56	24.35	25.70
20	QPSK	50	0	23.74	23.83	23.68	24.70
20	QPSK	50	24	23.42	23.57	23.41	24.70
20	QPSK	50	50	23.46	23.64	23.50	24.70
20	QPSK	100	0	23.55	23.70	23.54	24.70
20	16QAM	1	0	23.72	23.89	23.79	24.70
20	16QAM	1	49	23.82	23.97	23.82	24.70
20	16QAM	1	99	23.87	23.95	23.86	24.70
20	16QAM	50	0	22.43	22.59	22.45	23.70
20	16QAM	50	24	22.68	22.82	22.71	23.70
20	16QAM	50	50	22.55	22.67	22.50	23.70
20	16QAM	100	0	22.61	22.69	22.59	23.70
20	64QAM	1	0	22.39	22.56	22.35	23.70
20	64QAM	1	49	22.85	22.93	22.84	23.70
20	64QAM	1	99	22.92	23.06	22.97	23.70
20	64QAM	50	0	21.63	21.81	21.72	22.70
20	64QAM	50	24	21.39	21.52	21.39	22.70
20	64QAM	50	50	21.61	21.79	21.69	22.70
20	64QAM	100	0	21.80	21.90	21.73	22.70
20	256QAM	1	0	19.61	19.74	19.53	20.70
20	256QAM	1	49	19.80	19.94	19.83	20.70
20	256QAM	1	99	19.95	20.02	19.88	20.70
20	256QAM	50	0	19.62	19.77	19.67	20.70
20	256QAM	50	24	19.66	19.76	19.56	20.70
20	256QAM	50	50	19.92	20.07	19.86	20.70
20	256QAM	100	0	19.75	19.93	19.74	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.65	24.64	24.66	25.70
15	QPSK	1	37	24.49	24.57	24.46	25.70
15	QPSK	1	74	24.43	24.43	24.32	25.70
15	QPSK	36	0	23.72	23.77	23.60	24.70
15	QPSK	36	20	23.41	23.42	23.31	24.70
15	QPSK	36	39	23.39	23.57	23.36	24.70
15	QPSK	75	0	23.52	23.64	23.51	24.70
15	16QAM	1	0	23.67	23.76	23.70	24.70
15	16QAM	1	37	23.74	23.95	23.77	24.70
15	16QAM	1	74	23.85	23.94	23.74	24.70
15	16QAM	36	0	22.33	22.58	22.31	23.70
15	16QAM	36	20	22.59	22.75	22.70	23.70
15	16QAM	36	39	22.45	22.60	22.48	23.70
15	16QAM	75	0	22.46	22.58	22.50	23.70
15	64QAM	1	0	22.33	22.44	22.30	23.70
15	64QAM	1	37	22.83	22.87	22.74	23.70
15	64QAM	1	74	22.83	22.98	22.86	23.70
15	64QAM	36	0	21.52	21.69	21.61	22.70
15	64QAM	36	20	21.33	21.49	21.35	22.70
15	64QAM	36	39	21.54	21.68	21.65	22.70
15	64QAM	75	0	21.70	21.77	21.66	22.70
15	256QAM	1	0	19.49	19.61	19.48	20.70
15	256QAM	1	37	19.76	19.90	19.79	20.70
15	256QAM	1	74	19.82	19.89	19.87	20.70
15	256QAM	36	0	19.61	19.73	19.53	20.70
15	256QAM	36	20	19.54	19.72	19.44	20.70
15	256QAM	36	39	19.88	20.00	19.84	20.70
15	256QAM	75	0	19.63	19.86	19.63	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.56	24.71	24.63	25.70
10	QPSK	1	25	24.55	24.57	24.42	25.70
10	QPSK	1	49	24.46	24.49	24.30	25.70
10	QPSK	25	0	23.63	23.77	23.54	24.70
10	QPSK	25	12	23.31	23.50	23.31	24.70
10	QPSK	25	25	23.44	23.59	23.45	24.70
10	QPSK	50	0	23.45	23.68	23.43	24.70

10	16QAM	1	0	23.67	23.86	23.78	24.70
10	16QAM	1	25	23.73	23.86	23.74	24.70
10	16QAM	1	49	23.75	23.84	23.72	24.70
10	16QAM	25	0	22.39	22.56	22.40	23.70
10	16QAM	25	12	22.54	22.78	22.58	23.70
10	16QAM	25	25	22.49	22.61	22.48	23.70
10	16QAM	50	0	22.59	22.56	22.49	23.70
10	64QAM	1	0	22.33	22.43	22.30	23.70
10	64QAM	1	25	22.78	22.84	22.75	23.70
10	64QAM	1	49	22.78	23.04	22.91	23.70
10	64QAM	25	0	21.51	21.67	21.64	22.70
10	64QAM	25	12	21.37	21.42	21.30	22.70
10	64QAM	25	25	21.55	21.65	21.55	22.70
10	64QAM	50	0	21.66	21.86	21.66	22.70
10	256QAM	1	0	19.48	19.65	19.46	20.70
10	256QAM	1	25	19.67	19.87	19.74	20.70
10	256QAM	1	49	19.89	19.94	19.80	20.70
10	256QAM	25	0	19.57	19.73	19.56	20.70
10	256QAM	25	12	19.55	19.66	19.54	20.70
10	256QAM	25	25	19.80	19.97	19.77	20.70
10	256QAM	50	0	19.61	19.83	19.72	20.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.65	24.68	24.64	25.70
5	QPSK	1	12	24.49	24.59	24.48	25.70
5	QPSK	1	24	24.41	24.51	24.30	25.70
5	QPSK	12	0	23.68	23.78	23.63	24.70
5	QPSK	12	7	23.33	23.47	23.36	24.70
5	QPSK	12	13	23.41	23.51	23.48	24.70
5	QPSK	25	0	23.51	23.68	23.42	24.70
5	16QAM	1	0	23.64	23.75	23.72	24.70
5	16QAM	1	12	23.69	23.85	23.74	24.70
5	16QAM	1	24	23.73	23.83	23.79	24.70
5	16QAM	12	0	22.35	22.54	22.43	23.70
5	16QAM	12	7	22.58	22.80	22.69	23.70
5	16QAM	12	13	22.54	22.63	22.49	23.70
5	16QAM	25	0	22.54	22.61	22.55	23.70
5	64QAM	1	0	22.35	22.48	22.31	23.70
5	64QAM	1	12	22.83	22.84	22.82	23.70
5	64QAM	1	24	22.83	22.98	22.90	23.70
5	64QAM	12	0	21.55	21.74	21.66	22.70
5	64QAM	12	7	21.33	21.40	21.31	22.70
5	64QAM	12	13	21.55	21.65	21.59	22.70
5	64QAM	25	0	21.78	21.75	21.62	22.70
5	256QAM	1	0	19.58	19.72	19.44	20.70
5	256QAM	1	12	19.66	19.81	19.73	20.70
5	256QAM	1	24	19.86	19.92	19.78	20.70
5	256QAM	12	0	19.59	19.70	19.62	20.70
5	256QAM	12	7	19.61	19.73	19.45	20.70
5	256QAM	12	13	19.78	19.97	19.83	20.70
5	256QAM	25	0	19.68	19.84	19.59	20.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.66	24.68	24.54	25.70
3	QPSK	1	8	24.53	24.65	24.42	25.70
3	QPSK	1	14	24.38	24.47	24.31	25.70
3	QPSK	8	0	23.62	23.79	23.55	24.70
3	QPSK	8	4	23.33	23.51	23.31	24.70
3	QPSK	8	7	23.33	23.57	23.35	24.70
3	QPSK	15	0	23.45	23.69	23.39	24.70
3	16QAM	1	0	23.62	23.87	23.77	24.70
3	16QAM	1	8	23.76	23.85	23.73	24.70
3	16QAM	1	14	23.76	23.91	23.76	24.70
3	16QAM	8	0	22.38	22.46	22.42	23.70
3	16QAM	8	4	22.58	22.71	22.67	23.70
3	16QAM	8	7	22.52	22.59	22.38	23.70
3	16QAM	15	0	22.47	22.55	22.52	23.70
3	64QAM	1	0	22.36	22.48	22.30	23.70
3	64QAM	1	8	22.75	22.89	22.81	23.70
3	64QAM	1	14	22.87	22.99	22.83	23.70
3	64QAM	8	0	21.48	21.78	21.59	22.70
3	64QAM	8	4	21.32	21.50	21.32	22.70
3	64QAM	8	7	21.47	21.65	21.57	22.70
3	64QAM	15	0	21.73	21.87	21.61	22.70

3	256QAM	1	0	19.50	19.64	19.51	20.70
3	256QAM	1	8	19.65	19.87	19.80	20.70
3	256QAM	1	14	19.87	19.90	19.80	20.70
3	256QAM	8	0	19.55	19.68	19.52	20.70
3	256QAM	8	4	19.55	19.66	19.53	20.70
3	256QAM	8	7	19.85	20.04	19.81	20.70
3	256QAM	15	0	19.65	19.91	19.72	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.65	24.66	24.64	25.70
1.4	QPSK	1	3	24.55	24.64	24.36	25.70
1.4	QPSK	1	5	24.37	24.50	24.32	25.70
1.4	QPSK	3	0	24.59	24.82	24.54	25.70
1.4	QPSK	3	1	24.41	24.54	24.36	25.70
1.4	QPSK	3	3	24.31	24.50	24.40	25.70
1.4	QPSK	6	0	23.47	23.69	23.52	24.70
1.4	16QAM	1	0	23.62	23.80	23.69	24.70
1.4	16QAM	1	3	23.72	23.92	23.68	24.70
1.4	16QAM	1	5	23.82	23.92	23.83	24.70
1.4	16QAM	3	0	23.39	23.58	23.41	24.70
1.4	16QAM	3	1	23.65	23.76	23.64	24.70
1.4	16QAM	3	3	23.48	23.55	23.48	24.70
1.4	16QAM	6	0	22.57	22.63	22.50	23.70
1.4	64QAM	1	0	22.30	22.50	22.32	23.70
1.4	64QAM	1	3	22.73	22.90	22.73	23.70
1.4	64QAM	1	5	22.89	22.93	22.93	23.70
1.4	64QAM	3	0	22.49	22.72	22.60	23.70
1.4	64QAM	3	1	22.30	22.38	22.33	23.70
1.4	64QAM	3	3	22.48	22.77	22.68	23.70
1.4	64QAM	6	0	21.68	21.83	21.63	22.70
1.4	256QAM	1	0	19.54	19.72	19.39	20.70
1.4	256QAM	1	3	19.72	19.85	19.70	20.70
1.4	256QAM	1	5	19.89	20.00	19.77	20.70
1.4	256QAM	3	0	19.48	19.75	19.56	20.70
1.4	256QAM	3	1	19.60	19.65	19.41	20.70
1.4	256QAM	3	3	19.82	19.96	19.85	20.70
1.4	256QAM	6	0	19.68	19.84	19.67	20.70

【LTE Band 4_Ant 4_DS14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.58	24.61	24.60	25.70
20	QPSK	1	49	24.48	24.56	24.47	25.70
20	QPSK	1	99	24.40	24.50	24.36	25.70
20	QPSK	50	0	23.66	23.73	23.58	24.70
20	QPSK	50	24	23.63	23.69	23.64	24.70
20	QPSK	50	50	23.36	23.53	23.46	24.70
20	QPSK	100	0	23.49	23.67	23.60	24.70
20	16QAM	1	0	23.49	23.53	23.40	24.70
20	16QAM	1	49	23.43	23.61	23.50	24.70
20	16QAM	1	99	23.46	23.53	23.51	24.70
20	16QAM	50	0	22.64	22.82	22.72	23.70
20	16QAM	50	24	22.59	22.64	22.59	23.70
20	16QAM	50	50	22.47	22.61	22.52	23.70
20	16QAM	100	0	22.49	22.65	22.53	23.70
20	64QAM	1	0	22.56	22.62	22.47	23.70
20	64QAM	1	49	22.52	22.57	22.46	23.70
20	64QAM	1	99	22.46	22.57	22.54	23.70
20	64QAM	50	0	21.54	21.69	21.59	22.70
20	64QAM	50	24	21.70	21.80	21.73	22.70
20	64QAM	50	50	21.37	21.45	21.43	22.70
20	64QAM	100	0	21.54	21.69	21.54	22.70
20	256QAM	1	0	19.63	19.67	19.59	20.70
20	256QAM	1	49	19.48	19.62	19.59	20.70
20	256QAM	1	99	19.45	19.57	19.52	20.70
20	256QAM	50	0	19.50	19.64	19.59	20.70
20	256QAM	50	24	19.53	19.57	19.47	20.70

20	256QAM	50	50	19.53	19.69	19.59	20.70
20	256QAM	100	0	19.43	19.56	19.47	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.55	24.50	24.58	25.70
15	QPSK	1	37	24.46	24.50	24.38	25.70
15	QPSK	1	74	24.37	24.47	24.23	25.70
15	QPSK	36	0	23.53	23.59	23.50	24.70
15	QPSK	36	20	23.54	23.59	23.51	24.70
15	QPSK	36	39	23.32	23.40	23.39	24.70
15	QPSK	75	0	23.39	23.54	23.52	24.70
15	16QAM	1	0	23.38	23.50	23.32	24.70
15	16QAM	1	37	23.38	23.60	23.36	24.70
15	16QAM	1	74	23.42	23.49	23.39	24.70
15	16QAM	36	0	22.57	22.78	22.63	23.70
15	16QAM	36	20	22.50	22.56	22.52	23.70
15	16QAM	36	39	22.34	22.57	22.40	23.70
15	16QAM	75	0	22.48	22.58	22.48	23.70
15	64QAM	1	0	22.48	22.48	22.42	23.70
15	64QAM	1	37	22.49	22.56	22.36	23.70
15	64QAM	1	74	22.45	22.45	22.39	23.70
15	64QAM	36	0	21.44	21.54	21.50	22.70
15	64QAM	36	20	21.60	21.69	21.72	22.70
15	64QAM	36	39	21.25	21.30	21.33	22.70
15	64QAM	75	0	21.42	21.58	21.47	22.70
15	256QAM	1	0	19.60	19.56	19.44	20.70
15	256QAM	1	37	19.46	19.59	19.44	20.70
15	256QAM	1	74	19.36	19.53	19.41	20.70
15	256QAM	36	0	19.44	19.59	19.47	20.70
15	256QAM	36	20	19.51	19.52	19.40	20.70
15	256QAM	36	39	19.40	19.60	19.44	20.70
15	256QAM	75	0	19.33	19.51	19.32	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.47	24.57	24.56	25.70
10	QPSK	1	25	24.43	24.42	24.33	25.70
10	QPSK	1	49	24.31	24.42	24.32	25.70
10	QPSK	25	0	23.62	23.67	23.53	24.70
10	QPSK	25	12	23.51	23.56	23.59	24.70
10	QPSK	25	25	23.22	23.51	23.32	24.70
10	QPSK	50	0	23.38	23.64	23.58	24.70
10	16QAM	1	0	23.34	23.39	23.31	24.70
10	16QAM	1	25	23.30	23.55	23.36	24.70
10	16QAM	1	49	23.31	23.42	23.41	24.70
10	16QAM	25	0	22.56	22.71	22.68	23.70
10	16QAM	25	12	22.54	22.52	22.56	23.70
10	16QAM	25	25	22.42	22.48	22.39	23.70
10	16QAM	50	0	22.45	22.50	22.49	23.70
10	64QAM	1	0	22.49	22.54	22.37	23.70
10	64QAM	1	25	22.38	22.49	22.40	23.70
10	64QAM	1	49	22.38	22.55	22.40	23.70
10	64QAM	25	0	21.47	21.58	21.54	22.70
10	64QAM	25	12	21.66	21.66	21.63	22.70
10	64QAM	25	25	21.31	21.32	21.29	22.70
10	64QAM	50	0	21.47	21.60	21.46	22.70
10	256QAM	1	0	19.55	19.58	19.58	20.70
10	256QAM	1	25	19.39	19.53	19.49	20.70
10	256QAM	1	49	19.38	19.49	19.39	20.70
10	256QAM	25	0	19.36	19.57	19.44	20.70
10	256QAM	25	12	19.39	19.53	19.43	20.70
10	256QAM	25	25	19.44	19.62	19.57	20.70
10	256QAM	50	0	19.32	19.44	19.45	20.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.49	24.51	24.57	25.70
5	QPSK	1	12	24.43	24.44	24.33	25.70
5	QPSK	1	24	24.27	24.46	24.24	25.70
5	QPSK	12	0	23.64	23.64	23.47	24.70
5	QPSK	12	7	23.59	23.67	23.60	24.70
5	QPSK	12	13	23.31	23.47	23.38	24.70
5	QPSK	25	0	23.41	23.55	23.55	24.70
5	16QAM	1	0	23.45	23.39	23.29	24.70
5	16QAM	1	12	23.32	23.49	23.36	24.70
5	16QAM	1	24	23.44	23.39	23.40	24.70

5	16QAM	12	0	22.59	22.80	22.59	23.70
5	16QAM	12	7	22.57	22.59	22.56	23.70
5	16QAM	12	13	22.37	22.57	22.39	23.70
5	16QAM	25	0	22.43	22.55	22.44	23.70
5	64QAM	1	0	22.50	22.51	22.41	23.70
5	64QAM	1	12	22.46	22.48	22.31	23.70
5	64QAM	1	24	22.35	22.53	22.46	23.70
5	64QAM	12	0	21.44	21.60	21.57	22.70
5	64QAM	12	7	21.60	21.77	21.71	22.70
5	64QAM	12	13	21.27	21.34	21.36	22.70
5	64QAM	25	0	21.53	21.67	21.50	22.70
5	256QAM	1	0	19.50	19.56	19.48	20.70
5	256QAM	1	12	19.39	19.56	19.55	20.70
5	256QAM	1	24	19.38	19.44	19.45	20.70
5	256QAM	12	0	19.36	19.53	19.56	20.70
5	256QAM	12	7	19.41	19.50	19.44	20.70
5	256QAM	12	13	19.46	19.66	19.47	20.70
5	256QAM	25	0	19.35	19.54	19.35	20.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.47	24.59	24.54	25.70
3	QPSK	1	8	24.41	24.43	24.41	25.70
3	QPSK	1	14	24.34	24.46	24.29	25.70
3	QPSK	8	0	23.55	23.66	23.49	24.70
3	QPSK	8	4	23.57	23.59	23.61	24.70
3	QPSK	8	7	23.21	23.43	23.36	24.70
3	QPSK	15	0	23.40	23.55	23.49	24.70
3	16QAM	1	0	23.43	23.43	23.36	24.70
3	16QAM	1	8	23.38	23.54	23.36	24.70
3	16QAM	1	14	23.31	23.46	23.49	24.70
3	16QAM	8	0	22.51	22.71	22.66	23.70
3	16QAM	8	4	22.55	22.63	22.55	23.70
3	16QAM	8	7	22.40	22.47	22.47	23.70
3	16QAM	15	0	22.45	22.57	22.51	23.70
3	64QAM	1	0	22.44	22.53	22.44	23.70
3	64QAM	1	8	22.45	22.49	22.42	23.70
3	64QAM	1	14	22.39	22.49	22.43	23.70
3	64QAM	8	0	21.42	21.56	21.58	22.70
3	64QAM	8	4	21.66	21.72	21.68	22.70
3	64QAM	8	7	21.31	21.39	21.28	22.70
3	64QAM	15	0	21.52	21.68	21.48	22.70
3	256QAM	1	0	19.57	19.66	19.52	20.70
3	256QAM	1	8	19.43	19.48	19.49	20.70
3	256QAM	1	14	19.41	19.44	19.48	20.70
3	256QAM	8	0	19.44	19.58	19.44	20.70
3	256QAM	8	4	19.46	19.52	19.46	20.70
3	256QAM	8	7	19.51	19.59	19.46	20.70
3	256QAM	15	0	19.36	19.43	19.40	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.56	24.52	24.59	25.70
1.4	QPSK	1	3	24.36	24.49	24.43	25.70
1.4	QPSK	1	5	24.26	24.42	24.24	25.70
1.4	QPSK	3	0	24.53	24.67	24.49	25.70
1.4	QPSK	3	1	24.55	24.64	24.62	25.70
1.4	QPSK	3	3	24.28	24.46	24.42	25.70
1.4	QPSK	6	0	23.43	23.54	23.46	24.70
1.4	16QAM	1	0	23.40	23.45	23.34	24.70
1.4	16QAM	1	3	23.34	23.55	23.42	24.70
1.4	16QAM	1	5	23.38	23.42	23.48	24.70
1.4	16QAM	3	0	23.50	23.76	23.68	24.70
1.4	16QAM	3	1	23.55	23.51	23.54	24.70
1.4	16QAM	3	3	23.37	23.57	23.43	24.70
1.4	16QAM	6	0	22.35	22.54	22.49	23.70
1.4	64QAM	1	0	22.45	22.51	22.37	23.70
1.4	64QAM	1	3	22.44	22.54	22.34	23.70
1.4	64QAM	1	5	22.37	22.55	22.45	23.70
1.4	64QAM	3	0	22.52	22.66	22.45	23.70
1.4	64QAM	3	1	22.59	22.66	22.61	23.70
1.4	64QAM	3	3	22.24	22.33	22.34	23.70
1.4	64QAM	6	0	21.53	21.66	21.47	22.70
1.4	256QAM	1	0	19.51	19.63	19.53	20.70
1.4	256QAM	1	3	19.43	19.49	19.55	20.70
1.4	256QAM	1	5	19.44	19.54	19.37	20.70

1.4	256QAM	3	0	19.46	19.61	19.54	20.70
1.4	256QAM	3	1	19.50	19.42	19.33	20.70
1.4	256QAM	3	3	19.39	19.59	19.47	20.70
1.4	256QAM	6	0	19.33	19.46	19.40	20.70

【LTE Band 4_Ant 4_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.64	16.65	16.62	17.70
20	QPSK	1	49	16.53	16.59	16.49	17.70
20	QPSK	1	99	16.44	16.58	16.40	17.70
20	QPSK	50	0	16.49	16.63	16.48	17.70
20	QPSK	50	24	16.45	16.58	16.49	17.70
20	QPSK	50	50	16.52	16.62	16.57	17.70
20	QPSK	100	0	16.39	16.48	16.35	17.70
20	16QAM	1	0	16.48	16.61	16.44	17.70
20	16QAM	1	49	16.46	16.51	16.44	17.70
20	16QAM	1	99	16.60	16.62	16.49	17.70
20	16QAM	50	0	16.48	16.63	16.48	17.70
20	16QAM	50	24	16.48	16.53	16.42	17.70
20	16QAM	50	50	16.37	16.51	16.43	17.70
20	16QAM	100	0	16.48	16.53	16.39	17.70
20	64QAM	1	0	16.45	16.49	16.36	17.70
20	64QAM	1	49	16.45	16.48	16.32	17.70
20	64QAM	1	99	16.38	16.48	16.38	17.70
20	64QAM	50	0	16.45	16.51	16.35	17.70
20	64QAM	50	24	16.44	16.53	16.42	17.70
20	64QAM	50	50	16.53	16.58	16.52	17.70
20	64QAM	100	0	16.53	16.61	16.48	17.70
20	256QAM	1	0	16.55	16.60	16.49	17.70
20	256QAM	1	49	16.46	16.53	16.37	17.70
20	256QAM	1	99	16.43	16.49	16.34	17.70
20	256QAM	50	0	16.45	16.49	16.38	17.70
20	256QAM	50	24	16.42	16.57	16.42	17.70
20	256QAM	50	50	16.52	16.60	16.54	17.70
20	256QAM	100	0	16.55	16.59	16.43	17.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.63	16.61	16.59	17.70
15	QPSK	1	37	16.42	16.46	16.37	17.70
15	QPSK	1	74	16.39	16.48	16.30	17.70
15	QPSK	36	0	16.40	16.57	16.46	17.70
15	QPSK	36	20	16.32	16.46	16.35	17.70
15	QPSK	36	39	16.40	16.54	16.44	17.70
15	QPSK	75	0	16.35	16.44	16.32	17.70
15	16QAM	1	0	16.36	16.60	16.35	17.70
15	16QAM	1	37	16.38	16.42	16.31	17.70
15	16QAM	1	74	16.54	16.56	16.46	17.70
15	16QAM	36	0	16.42	16.59	16.45	17.70
15	16QAM	36	20	16.42	16.42	16.32	17.70
15	16QAM	36	39	16.30	16.39	16.31	17.70
15	16QAM	75	0	16.43	16.45	16.35	17.70
15	64QAM	1	0	16.36	16.42	16.31	17.70
15	64QAM	1	37	16.39	16.35	16.30	17.70
15	64QAM	1	74	16.30	16.43	16.30	17.70
15	64QAM	36	0	16.38	16.38	16.31	17.70
15	64QAM	36	20	16.32	16.44	16.36	17.70
15	64QAM	36	39	16.39	16.50	16.39	17.70
15	64QAM	75	0	16.46	16.58	16.36	17.70
15	256QAM	1	0	16.51	16.48	16.46	17.70
15	256QAM	1	37	16.36	16.49	16.30	17.70
15	256QAM	1	74	16.38	16.37	16.32	17.70
15	256QAM	36	0	16.31	16.36	16.32	17.70
15	256QAM	36	20	16.35	16.43	16.31	17.70
15	256QAM	36	39	16.50	16.54	16.51	17.70
15	256QAM	75	0	16.44	16.57	16.34	17.70
Channel				20000	20175	20350	Tune-up limit

Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	16.50	16.55	16.55	17.70
10	QPSK	1	25	16.51	16.52	16.38	17.70
10	QPSK	1	49	16.37	16.47	16.35	17.70
10	QPSK	25	0	16.47	16.61	16.36	17.70
10	QPSK	25	12	16.36	16.44	16.36	17.70
10	QPSK	25	25	16.43	16.60	16.52	17.70
10	QPSK	50	0	16.31	16.46	16.30	17.70
10	16QAM	1	0	16.40	16.53	16.31	17.70
10	16QAM	1	25	16.42	16.45	16.43	17.70
10	16QAM	1	49	16.45	16.53	16.44	17.70
10	16QAM	25	0	16.44	16.52	16.34	17.70
10	16QAM	25	12	16.39	16.50	16.31	17.70
10	16QAM	25	25	16.32	16.45	16.35	17.70
10	16QAM	50	0	16.46	16.42	16.31	17.70
10	64QAM	1	0	16.34	16.44	16.34	17.70
10	64QAM	1	25	16.37	16.36	16.31	17.70
10	64QAM	1	49	16.30	16.36	16.32	17.70
10	64QAM	25	0	16.36	16.48	16.30	17.70
10	64QAM	25	12	16.31	16.40	16.35	17.70
10	64QAM	25	25	16.48	16.52	16.40	17.70
10	64QAM	50	0	16.47	16.52	16.41	17.70
10	256QAM	1	0	16.51	16.48	16.40	17.70
10	256QAM	1	25	16.34	16.52	16.31	17.70
10	256QAM	1	49	16.33	16.34	16.30	17.70
10	256QAM	25	0	16.38	16.36	16.30	17.70
10	256QAM	25	12	16.34	16.47	16.37	17.70
10	256QAM	25	25	16.43	16.49	16.46	17.70
10	256QAM	50	0	16.45	16.56	16.41	17.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	16.59	16.51	16.47	17.70
5	QPSK	1	12	16.45	16.44	16.44	17.70
5	QPSK	1	24	16.34	16.56	16.32	17.70
5	QPSK	12	0	16.45	16.49	16.43	17.70
5	QPSK	12	7	16.33	16.43	16.44	17.70
5	QPSK	12	13	16.41	16.51	16.46	17.70
5	QPSK	25	0	16.31	16.45	16.31	17.70
5	16QAM	1	0	16.43	16.47	16.39	17.70
5	16QAM	1	12	16.37	16.36	16.34	17.70
5	16QAM	1	24	16.53	16.57	16.36	17.70
5	16QAM	12	0	16.43	16.51	16.36	17.70
5	16QAM	12	7	16.38	16.51	16.33	17.70
5	16QAM	12	13	16.32	16.46	16.37	17.70
5	16QAM	25	0	16.36	16.39	16.32	17.70
5	64QAM	1	0	16.31	16.37	16.32	17.70
5	64QAM	1	12	16.43	16.43	16.30	17.70
5	64QAM	1	24	16.30	16.39	16.30	17.70
5	64QAM	12	0	16.35	16.40	16.30	17.70
5	64QAM	12	7	16.36	16.39	16.30	17.70
5	64QAM	12	13	16.43	16.45	16.47	17.70
5	64QAM	25	0	16.43	16.51	16.43	17.70
5	256QAM	1	0	16.52	16.52	16.36	17.70
5	256QAM	1	12	16.35	16.47	16.33	17.70
5	256QAM	1	24	16.40	16.35	16.31	17.70
5	256QAM	12	0	16.39	16.39	16.36	17.70
5	256QAM	12	7	16.37	16.54	16.31	17.70
5	256QAM	12	13	16.49	16.50	16.45	17.70
5	256QAM	25	0	16.43	16.46	16.31	17.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	16.50	16.60	16.54	17.70
3	QPSK	1	8	16.41	16.57	16.37	17.70
3	QPSK	1	14	16.40	16.52	16.31	17.70
3	QPSK	8	0	16.42	16.55	16.45	17.70
3	QPSK	8	4	16.41	16.57	16.45	17.70
3	QPSK	8	7	16.39	16.53	16.48	17.70
3	QPSK	15	0	16.30	16.36	16.31	17.70
3	16QAM	1	0	16.45	16.59	16.36	17.70
3	16QAM	1	8	16.39	16.49	16.30	17.70
3	16QAM	1	14	16.52	16.57	16.34	17.70
3	16QAM	8	0	16.37	16.62	16.39	17.70
3	16QAM	8	4	16.36	16.45	16.30	17.70
3	16QAM	8	7	16.30	16.45	16.37	17.70

3	16QAM	15	0	16.34	16.40	16.31	17.70
3	64QAM	1	0	16.34	16.36	16.32	17.70
3	64QAM	1	8	16.43	16.37	16.32	17.70
3	64QAM	1	14	16.31	16.34	16.30	17.70
3	64QAM	8	0	16.39	16.37	16.30	17.70
3	64QAM	8	4	16.32	16.47	16.39	17.70
3	64QAM	8	7	16.47	16.47	16.49	17.70
3	64QAM	15	0	16.50	16.54	16.39	17.70
3	256QAM	1	0	16.44	16.51	16.38	17.70
3	256QAM	1	8	16.32	16.50	16.31	17.70
3	256QAM	1	14	16.33	16.45	16.31	17.70
3	256QAM	8	0	16.39	16.47	16.30	17.70
3	256QAM	8	4	16.31	16.51	16.33	17.70
3	256QAM	8	7	16.49	16.56	16.50	17.70
3	256QAM	15	0	16.52	16.56	16.41	17.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.49	16.52	16.49	17.70
1.4	QPSK	1	3	16.51	16.55	16.34	17.70
1.4	QPSK	1	5	16.35	16.55	16.38	17.70
1.4	QPSK	3	0	16.35	16.57	16.42	17.70
1.4	QPSK	3	1	16.31	16.44	16.40	17.70
1.4	QPSK	3	3	16.43	16.56	16.54	17.70
1.4	QPSK	6	0	16.36	16.34	16.30	17.70
1.4	16QAM	1	0	16.36	16.49	16.30	17.70
1.4	16QAM	1	3	16.37	16.37	16.36	17.70
1.4	16QAM	1	5	16.49	16.54	16.40	17.70
1.4	16QAM	3	0	16.42	16.50	16.47	17.70
1.4	16QAM	3	1	16.35	16.38	16.39	17.70
1.4	16QAM	3	3	16.33	16.42	16.32	17.70
1.4	16QAM	6	0	16.39	16.48	16.30	17.70
1.4	64QAM	1	0	16.37	16.39	16.32	17.70
1.4	64QAM	1	3	16.33	16.42	16.31	17.70
1.4	64QAM	1	5	16.34	16.47	16.30	17.70
1.4	64QAM	3	0	16.33	16.47	16.31	17.70
1.4	64QAM	3	1	16.32	16.48	16.33	17.70
1.4	64QAM	3	3	16.47	16.57	16.38	17.70
1.4	64QAM	6	0	16.38	16.50	16.41	17.70
1.4	256QAM	1	0	16.48	16.55	16.43	17.70
1.4	256QAM	1	3	16.32	16.49	16.30	17.70
1.4	256QAM	1	5	16.35	16.34	16.30	17.70
1.4	256QAM	3	0	16.37	16.36	16.31	17.70
1.4	256QAM	3	1	16.40	16.46	16.32	17.70
1.4	256QAM	3	3	16.50	16.48	16.49	17.70
1.4	256QAM	6	0	16.46	16.54	16.33	17.70

【LTE Band 4_Ant 4_DSI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.70	16.75	16.67	18.20
20	QPSK	1	49	16.46	16.59	16.48	18.20
20	QPSK	1	99	16.56	16.63	16.43	18.20
20	QPSK	50	0	16.69	16.72	16.68	18.20
20	QPSK	50	24	16.65	16.70	16.61	18.20
20	QPSK	50	50	16.58	16.71	16.58	18.20
20	QPSK	100	0	16.60	16.70	16.54	18.20
20	16QAM	1	0	16.49	16.60	16.44	18.20
20	16QAM	1	49	16.40	16.51	16.37	18.20
20	16QAM	1	99	16.45	16.54	16.32	18.20
20	16QAM	50	0	16.31	16.50	16.32	18.20
20	16QAM	50	24	16.59	16.70	16.49	18.20
20	16QAM	50	50	16.45	16.63	16.46	18.20
20	16QAM	100	0	16.60	16.69	16.55	18.20
20	64QAM	1	0	16.38	16.57	16.35	18.20
20	64QAM	1	49	16.57	16.65	16.55	18.20
20	64QAM	1	99	16.66	16.73	16.57	18.20
20	64QAM	50	0	16.34	16.51	16.42	18.20

20	64QAM	50	24	16.33	16.51	16.33	18.20
20	64QAM	50	50	16.51	16.59	16.49	18.20
20	64QAM	100	0	16.56	16.63	16.44	18.20
20	256QAM	1	0	16.43	16.56	16.45	18.20
20	256QAM	1	49	16.59	16.71	16.59	18.20
20	256QAM	1	99	16.53	16.60	16.44	18.20
20	256QAM	50	0	16.53	16.61	16.41	18.20
20	256QAM	50	24	16.50	16.57	16.48	18.20
20	256QAM	50	50	16.59	16.72	16.54	18.20
20	256QAM	100	0	16.51	16.59	16.39	18.20
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.63	16.67	16.60	18.20
15	QPSK	1	37	16.36	16.51	16.34	18.20
15	QPSK	1	74	16.53	16.51	16.33	18.20
15	QPSK	36	0	16.60	16.68	16.58	18.20
15	QPSK	36	20	16.51	16.60	16.46	18.20
15	QPSK	36	39	16.48	16.67	16.49	18.20
15	QPSK	75	0	16.50	16.60	16.44	18.20
15	16QAM	1	0	16.46	16.54	16.30	18.20
15	16QAM	1	37	16.27	16.46	16.36	18.20
15	16QAM	1	74	16.31	16.51	16.22	18.20
15	16QAM	36	0	16.29	16.43	16.23	18.20
15	16QAM	36	20	16.50	16.67	16.43	18.20
15	16QAM	36	39	16.33	16.56	16.37	18.20
15	16QAM	75	0	16.54	16.64	16.53	18.20
15	64QAM	1	0	16.29	16.46	16.24	18.20
15	64QAM	1	37	16.44	16.54	16.46	18.20
15	64QAM	1	74	16.61	16.63	16.55	18.20
15	64QAM	36	0	16.24	16.38	16.36	18.20
15	64QAM	36	20	16.28	16.48	16.26	18.20
15	64QAM	36	39	16.37	16.58	16.45	18.20
15	64QAM	75	0	16.50	16.56	16.32	18.20
15	256QAM	1	0	16.33	16.45	16.38	18.20
15	256QAM	1	37	16.46	16.63	16.49	18.20
15	256QAM	1	74	16.39	16.57	16.41	18.20
15	256QAM	36	0	16.44	16.55	16.29	18.20
15	256QAM	36	20	16.36	16.56	16.40	18.20
15	256QAM	36	39	16.50	16.61	16.45	18.20
15	256QAM	75	0	16.42	16.51	16.28	18.20
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.67	16.65	16.65	18.20
10	QPSK	1	25	16.36	16.49	16.34	18.20
10	QPSK	1	49	16.46	16.61	16.40	18.20
10	QPSK	25	0	16.61	16.63	16.64	18.20
10	QPSK	25	12	16.55	16.56	16.60	18.20
10	QPSK	25	25	16.53	16.60	16.52	18.20
10	QPSK	50	0	16.56	16.64	16.44	18.20
10	16QAM	1	0	16.40	16.48	16.38	18.20
10	16QAM	1	25	16.32	16.50	16.24	18.20
10	16QAM	1	49	16.41	16.51	16.29	18.20
10	16QAM	25	0	16.23	16.36	16.29	18.20
10	16QAM	25	12	16.46	16.62	16.41	18.20
10	16QAM	25	25	16.41	16.62	16.39	18.20
10	16QAM	50	0	16.53	16.58	16.51	18.20
10	64QAM	1	0	16.30	16.55	16.32	18.20
10	64QAM	1	25	16.55	16.60	16.47	18.20
10	64QAM	1	49	16.51	16.65	16.53	18.20
10	64QAM	25	0	16.25	16.45	16.39	18.20
10	64QAM	25	12	16.25	16.43	16.23	18.20
10	64QAM	25	25	16.48	16.54	16.37	18.20
10	64QAM	50	0	16.48	16.51	16.37	18.20
10	256QAM	1	0	16.31	16.50	16.33	18.20
10	256QAM	1	25	16.56	16.65	16.52	18.20
10	256QAM	1	49	16.42	16.47	16.37	18.20
10	256QAM	25	0	16.42	16.49	16.35	18.20
10	256QAM	25	12	16.46	16.42	16.34	18.20
10	256QAM	25	25	16.51	16.59	16.42	18.20
10	256QAM	50	0	16.37	16.50	16.32	18.20
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.59	16.72	16.63	18.20
5	QPSK	1	12	16.37	16.47	16.37	18.20

5	QPSK	1	24	16.52	16.50	16.39	18.20
5	QPSK	12	0	16.59	16.71	16.65	18.20
5	QPSK	12	7	16.59	16.64	16.53	18.20
5	QPSK	12	13	16.55	16.57	16.44	18.20
5	QPSK	25	0	16.53	16.63	16.46	18.20
5	16QAM	1	0	16.39	16.55	16.41	18.20
5	16QAM	1	12	16.32	16.37	16.29	18.20
5	16QAM	1	24	16.38	16.45	16.29	18.20
5	16QAM	12	0	16.22	16.35	16.24	18.20
5	16QAM	12	7	16.47	16.64	16.35	18.20
5	16QAM	12	13	16.37	16.61	16.37	18.20
5	16QAM	25	0	16.47	16.63	16.51	18.20
5	64QAM	1	0	16.37	16.48	16.29	18.20
5	64QAM	1	12	16.44	16.59	16.46	18.20
5	64QAM	1	24	16.55	16.70	16.51	18.20
5	64QAM	12	0	16.25	16.40	16.39	18.20
5	64QAM	12	7	16.23	16.46	16.26	18.20
5	64QAM	12	13	16.39	16.53	16.36	18.20
5	64QAM	25	0	16.55	16.57	16.33	18.20
5	256QAM	1	0	16.41	16.50	16.34	18.20
5	256QAM	1	12	16.46	16.66	16.45	18.20
5	256QAM	1	24	16.42	16.59	16.41	18.20
5	256QAM	12	0	16.41	16.58	16.35	18.20
5	256QAM	12	7	16.45	16.46	16.43	18.20
5	256QAM	12	13	16.51	16.68	16.51	18.20
5	256QAM	25	0	16.40	16.51	16.33	18.20
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.62	16.68	16.64	18.20
3	QPSK	1	8	16.38	16.58	16.38	18.20
3	QPSK	1	14	16.50	16.53	16.35	18.20
3	QPSK	8	0	16.61	16.61	16.63	18.20
3	QPSK	8	4	16.58	16.62	16.50	18.20
3	QPSK	8	7	16.56	16.61	16.57	18.20
3	QPSK	15	0	16.51	16.67	16.41	18.20
3	16QAM	1	0	16.38	16.53	16.37	18.20
3	16QAM	1	8	16.36	16.41	16.26	18.20
3	16QAM	1	14	16.41	16.44	16.21	18.20
3	16QAM	8	0	16.16	16.46	16.25	18.20
3	16QAM	8	4	16.51	16.64	16.36	18.20
3	16QAM	8	7	16.32	16.49	16.39	18.20
3	16QAM	15	0	16.54	16.67	16.50	18.20
3	64QAM	1	0	16.24	16.47	16.23	18.20
3	64QAM	1	8	16.51	16.54	16.47	18.20
3	64QAM	1	14	16.60	16.72	16.44	18.20
3	64QAM	8	0	16.25	16.39	16.41	18.20
3	64QAM	8	4	16.21	16.38	16.28	18.20
3	64QAM	8	7	16.43	16.52	16.39	18.20
3	64QAM	15	0	16.46	16.61	16.37	18.20
3	256QAM	1	0	16.28	16.54	16.30	18.20
3	256QAM	1	8	16.51	16.64	16.58	18.20
3	256QAM	1	14	16.42	16.47	16.38	18.20
3	256QAM	8	0	16.46	16.48	16.38	18.20
3	256QAM	8	4	16.37	16.55	16.40	18.20
3	256QAM	8	7	16.50	16.64	16.41	18.20
3	256QAM	15	0	16.39	16.51	16.33	18.20
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.64	16.73	16.53	18.20
1.4	QPSK	1	3	16.34	16.49	16.42	18.20
1.4	QPSK	1	5	16.44	16.56	16.32	18.20
1.4	QPSK	3	0	16.67	16.62	16.65	18.20
1.4	QPSK	3	1	16.61	16.63	16.59	18.20
1.4	QPSK	3	3	16.44	16.63	16.47	18.20
1.4	QPSK	6	0	16.55	16.65	16.47	18.20
1.4	16QAM	1	0	16.41	16.52	16.31	18.20
1.4	16QAM	1	3	16.39	16.45	16.22	18.20
1.4	16QAM	1	5	16.39	16.53	16.17	18.20
1.4	16QAM	3	0	16.21	16.47	16.23	18.20
1.4	16QAM	3	1	16.46	16.57	16.47	18.20
1.4	16QAM	3	3	16.34	16.62	16.38	18.20
1.4	16QAM	6	0	16.51	16.68	16.43	18.20
1.4	64QAM	1	0	16.34	16.46	16.29	18.20
1.4	64QAM	1	3	16.56	16.57	16.44	18.20

1.4	64QAM	1	5	16.52	16.61	16.52	18.20
1.4	64QAM	3	0	16.28	16.40	16.39	18.20
1.4	64QAM	3	1	16.29	16.48	16.29	18.20
1.4	64QAM	3	3	16.39	16.57	16.41	18.20
1.4	64QAM	6	0	16.41	16.49	16.42	18.20
1.4	256QAM	1	0	16.41	16.52	16.34	18.20
1.4	256QAM	1	3	16.56	16.69	16.55	18.20
1.4	256QAM	1	5	16.46	16.50	16.36	18.20
1.4	256QAM	3	0	16.52	16.59	16.32	18.20
1.4	256QAM	3	1	16.48	16.55	16.44	18.20
1.4	256QAM	3	3	16.44	16.67	16.40	18.20
1.4	256QAM	6	0	16.38	16.54	16.30	18.20

【LTE Band 4_Ant 5_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.47	24.53	24.42	25.50
20	QPSK	1	49	24.33	24.41	24.22	25.50
20	QPSK	1	99	24.32	24.47	24.40	25.50
20	QPSK	50	0	23.38	23.48	23.33	24.50
20	QPSK	50	24	23.26	23.40	23.26	24.50
20	QPSK	50	50	23.29	23.43	23.24	24.50
20	QPSK	100	0	23.26	23.39	23.26	24.50
20	16QAM	1	0	23.34	23.37	23.17	24.50
20	16QAM	1	49	23.44	23.55	23.40	24.50
20	16QAM	1	99	23.40	23.49	23.35	24.50
20	16QAM	50	0	22.50	22.54	22.47	23.50
20	16QAM	50	24	22.41	22.52	22.36	23.50
20	16QAM	50	50	22.51	22.53	22.40	23.50
20	16QAM	100	0	22.45	22.54	22.35	23.50
20	64QAM	1	0	22.37	22.47	22.35	23.50
20	64QAM	1	49	22.44	22.49	22.29	23.50
20	64QAM	1	99	22.47	22.52	22.32	23.50
20	64QAM	50	0	21.39	21.42	21.33	22.50
20	64QAM	50	24	21.32	21.38	21.24	22.50
20	64QAM	50	50	21.24	21.38	21.18	22.50
20	64QAM	100	0	21.38	21.49	21.29	22.50
20	256QAM	1	0	19.52	19.57	19.40	20.50
20	256QAM	1	49	19.54	19.60	19.44	20.50
20	256QAM	1	99	19.34	19.43	19.35	20.50
20	256QAM	50	0	19.27	19.41	19.28	20.50
20	256QAM	50	24	19.49	19.55	19.48	20.50
20	256QAM	50	50	19.38	19.44	19.26	20.50
20	256QAM	100	0	19.24	19.36	19.17	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.41	24.45	24.31	25.50
15	QPSK	1	37	24.32	24.39	24.16	25.50
15	QPSK	1	74	24.21	24.35	24.37	25.50
15	QPSK	36	0	23.26	23.46	23.24	24.50
15	QPSK	36	20	23.23	23.35	23.15	24.50
15	QPSK	36	39	23.26	23.29	23.09	24.50
15	QPSK	75	0	23.19	23.35	23.16	24.50
15	16QAM	1	0	23.22	23.26	23.09	24.50
15	16QAM	1	37	23.29	23.47	23.29	24.50
15	16QAM	1	74	23.30	23.44	23.21	24.50
15	16QAM	36	0	22.37	22.45	22.45	23.50
15	16QAM	36	20	22.33	22.44	22.32	23.50
15	16QAM	36	39	22.48	22.50	22.29	23.50
15	16QAM	75	0	22.38	22.46	22.25	23.50
15	64QAM	1	0	22.23	22.46	22.22	23.50
15	64QAM	1	37	22.38	22.41	22.14	23.50
15	64QAM	1	74	22.33	22.50	22.22	23.50
15	64QAM	36	0	21.27	21.29	21.19	22.50
15	64QAM	36	20	21.20	21.26	21.19	22.50
15	64QAM	36	39	21.18	21.26	21.15	22.50
15	64QAM	75	0	21.30	21.40	21.24	22.50

15	256QAM	1	0	19.38	19.52	19.26	20.50
15	256QAM	1	37	19.39	19.48	19.35	20.50
15	256QAM	1	74	19.21	19.40	19.32	20.50
15	256QAM	36	0	19.13	19.36	19.14	20.50
15	256QAM	36	20	19.42	19.50	19.43	20.50
15	256QAM	36	39	19.25	19.38	19.14	20.50
15	256QAM	75	0	19.21	19.22	19.08	20.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	24.38	24.44	24.34	25.50
10	QPSK	1	25	24.20	24.28	24.19	25.50
10	QPSK	1	49	24.18	24.35	24.33	25.50
10	QPSK	25	0	23.25	23.48	23.20	24.50
10	QPSK	25	12	23.14	23.37	23.21	24.50
10	QPSK	25	25	23.20	23.29	23.10	24.50
10	QPSK	50	0	23.25	23.31	23.13	24.50
10	16QAM	1	0	23.33	23.27	23.14	24.50
10	16QAM	1	25	23.38	23.41	23.39	24.50
10	16QAM	1	49	23.35	23.46	23.26	24.50
10	16QAM	25	0	22.45	22.46	22.35	23.50
10	16QAM	25	12	22.38	22.41	22.24	23.50
10	16QAM	25	25	22.37	22.43	22.28	23.50
10	16QAM	50	0	22.37	22.42	22.26	23.50
10	64QAM	1	0	22.30	22.39	22.32	23.50
10	64QAM	1	25	22.37	22.39	22.22	23.50
10	64QAM	1	49	22.39	22.41	22.28	23.50
10	64QAM	25	0	21.32	21.41	21.18	22.50
10	64QAM	25	12	21.29	21.25	21.12	22.50
10	64QAM	25	25	21.09	21.26	21.09	22.50
10	64QAM	50	0	21.23	21.43	21.17	22.50
10	256QAM	1	0	19.51	19.47	19.38	20.50
10	256QAM	1	25	19.47	19.58	19.39	20.50
10	256QAM	1	49	19.29	19.41	19.34	20.50
10	256QAM	25	0	19.18	19.27	19.27	20.50
10	256QAM	25	12	19.45	19.42	19.45	20.50
10	256QAM	25	25	19.35	19.32	19.22	20.50
10	256QAM	50	0	19.23	19.31	19.10	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.39	24.37	24.37	25.50
5	QPSK	1	12	24.24	24.33	24.07	25.50
5	QPSK	1	24	24.22	24.34	24.26	25.50
5	QPSK	12	0	23.27	23.42	23.27	24.50
5	QPSK	12	7	23.25	23.26	23.17	24.50
5	QPSK	12	13	23.25	23.33	23.16	24.50
5	QPSK	25	0	23.11	23.31	23.19	24.50
5	16QAM	1	0	23.24	23.26	23.09	24.50
5	16QAM	1	12	23.34	23.41	23.35	24.50
5	16QAM	1	24	23.27	23.39	23.24	24.50
5	16QAM	12	0	22.40	22.47	22.43	23.50
5	16QAM	12	7	22.36	22.43	22.35	23.50
5	16QAM	12	13	22.40	22.38	22.31	23.50
5	16QAM	25	0	22.43	22.52	22.25	23.50
5	64QAM	1	0	22.28	22.41	22.32	23.50
5	64QAM	1	12	22.29	22.41	22.24	23.50
5	64QAM	1	24	22.39	22.44	22.21	23.50
5	64QAM	12	0	21.30	21.28	21.21	22.50
5	64QAM	12	7	21.27	21.25	21.21	22.50
5	64QAM	12	13	21.11	21.26	21.13	22.50
5	64QAM	25	0	21.25	21.37	21.22	22.50
5	256QAM	1	0	19.39	19.44	19.35	20.50
5	256QAM	1	12	19.48	19.51	19.32	20.50
5	256QAM	1	24	19.32	19.29	19.30	20.50
5	256QAM	12	0	19.14	19.34	19.20	20.50
5	256QAM	12	7	19.39	19.48	19.37	20.50
5	256QAM	12	13	19.29	19.42	19.20	20.50
5	256QAM	25	0	19.14	19.27	19.07	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.41	24.45	24.29	25.50
3	QPSK	1	8	24.29	24.36	24.18	25.50
3	QPSK	1	14	24.26	24.43	24.32	25.50
3	QPSK	8	0	23.33	23.41	23.26	24.50
3	QPSK	8	4	23.19	23.37	23.11	24.50

3	QPSK	8	7	23.19	23.35	23.15	24.50
3	QPSK	15	0	23.15	23.29	23.12	24.50
3	16QAM	1	0	23.32	23.25	23.14	24.50
3	16QAM	1	8	23.40	23.42	23.31	24.50
3	16QAM	1	14	23.36	23.35	23.27	24.50
3	16QAM	8	0	22.46	22.50	22.33	23.50
3	16QAM	8	4	22.35	22.47	22.31	23.50
3	16QAM	8	7	22.43	22.45	22.28	23.50
3	16QAM	15	0	22.35	22.47	22.22	23.50
3	64QAM	1	0	22.23	22.38	22.20	23.50
3	64QAM	1	8	22.37	22.45	22.23	23.50
3	64QAM	1	14	22.36	22.42	22.24	23.50
3	64QAM	8	0	21.27	21.33	21.26	22.50
3	64QAM	8	4	21.26	21.35	21.13	22.50
3	64QAM	8	7	21.10	21.36	21.05	22.50
3	64QAM	15	0	21.24	21.37	21.27	22.50
3	256QAM	1	0	19.38	19.55	19.26	20.50
3	256QAM	1	8	19.50	19.58	19.38	20.50
3	256QAM	1	14	19.30	19.35	19.20	20.50
3	256QAM	8	0	19.14	19.36	19.20	20.50
3	256QAM	8	4	19.34	19.52	19.41	20.50
3	256QAM	8	7	19.27	19.32	19.14	20.50
3	256QAM	15	0	19.18	19.29	19.08	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.36	24.46	24.28	25.50
1.4	QPSK	1	3	24.19	24.37	24.10	25.50
1.4	QPSK	1	5	24.19	24.45	24.29	25.50
1.4	QPSK	3	0	24.32	24.48	24.27	25.50
1.4	QPSK	3	1	24.16	24.31	24.17	25.50
1.4	QPSK	3	3	24.25	24.40	24.19	25.50
1.4	QPSK	6	0	23.12	23.37	23.24	24.50
1.4	16QAM	1	0	23.27	23.30	23.13	24.50
1.4	16QAM	1	3	23.29	23.44	23.27	24.50
1.4	16QAM	1	5	23.26	23.40	23.28	24.50
1.4	16QAM	3	0	23.41	23.50	23.45	24.50
1.4	16QAM	3	1	23.28	23.38	23.28	24.50
1.4	16QAM	3	3	23.44	23.41	23.31	24.50
1.4	16QAM	6	0	22.39	22.42	22.23	23.50
1.4	64QAM	1	0	22.35	22.38	22.27	23.50
1.4	64QAM	1	3	22.38	22.39	22.22	23.50
1.4	64QAM	1	5	22.41	22.49	22.19	23.50
1.4	64QAM	3	0	22.32	22.39	22.25	23.50
1.4	64QAM	3	1	22.27	22.33	22.09	23.50
1.4	64QAM	3	3	22.15	22.33	22.16	23.50
1.4	64QAM	6	0	21.30	21.39	21.24	22.50
1.4	256QAM	1	0	19.45	19.51	19.33	20.50
1.4	256QAM	1	3	19.50	19.52	19.40	20.50
1.4	256QAM	1	5	19.26	19.34	19.27	20.50
1.4	256QAM	3	0	19.24	19.40	19.17	20.50
1.4	256QAM	3	1	19.47	19.53	19.35	20.50
1.4	256QAM	3	3	19.35	19.29	19.20	20.50
1.4	256QAM	6	0	19.16	19.22	19.16	20.50

【LTE Band 4_Ant 5_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.60	24.61	24.57	25.70
20	QPSK	1	49	24.53	24.55	24.39	25.70
20	QPSK	1	99	24.41	24.47	24.40	25.70
20	QPSK	50	0	23.58	23.65	23.60	24.70
20	QPSK	50	24	23.34	23.40	23.32	24.70
20	QPSK	50	50	23.59	23.64	23.55	24.70
20	QPSK	100	0	23.46	23.51	23.46	24.70
20	16QAM	1	0	23.42	23.50	23.38	24.70
20	16QAM	1	49	23.65	23.73	23.55	24.70
20	16QAM	1	99	23.58	23.68	23.60	24.70

20	16QAM	50	0	22.69	22.73	22.62	23.70
20	16QAM	50	24	22.51	22.58	22.49	23.70
20	16QAM	50	50	22.52	22.56	22.38	23.70
20	16QAM	100	0	22.55	22.63	22.46	23.70
20	64QAM	1	0	22.54	22.64	22.48	23.70
20	64QAM	1	49	22.35	22.49	22.36	23.70
20	64QAM	1	99	22.57	22.72	22.63	23.70
20	64QAM	50	0	21.32	21.46	21.39	22.70
20	64QAM	50	24	21.35	21.37	21.27	22.70
20	64QAM	50	50	21.37	21.52	21.39	22.70
20	64QAM	100	0	21.46	21.60	21.51	22.70
20	256QAM	1	0	19.48	19.63	19.48	20.70
20	256QAM	1	49	19.47	19.59	19.51	20.70
20	256QAM	1	99	19.50	19.57	19.46	20.70
20	256QAM	50	0	19.46	19.49	19.31	20.70
20	256QAM	50	24	19.73	19.77	19.65	20.70
20	256QAM	50	50	19.48	19.56	19.40	20.70
20	256QAM	100	0	19.51	19.55	19.42	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.51	24.50	24.45	25.70
15	QPSK	1	37	24.50	24.52	24.28	25.70
15	QPSK	1	74	24.30	24.43	24.28	25.70
15	QPSK	36	0	23.50	23.57	23.52	24.70
15	QPSK	36	20	23.29	23.28	23.20	24.70
15	QPSK	36	39	23.45	23.59	23.52	24.70
15	QPSK	75	0	23.44	23.42	23.40	24.70
15	16QAM	1	0	23.37	23.36	23.25	24.70
15	16QAM	1	37	23.50	23.69	23.49	24.70
15	16QAM	1	74	23.54	23.56	23.51	24.70
15	16QAM	36	0	22.61	22.62	22.59	23.70
15	16QAM	36	20	22.42	22.55	22.38	23.70
15	16QAM	36	39	22.39	22.46	22.27	23.70
15	16QAM	75	0	22.49	22.50	22.38	23.70
15	64QAM	1	0	22.50	22.51	22.38	23.70
15	64QAM	1	37	22.24	22.48	22.31	23.70
15	64QAM	1	74	22.55	22.69	22.56	23.70
15	64QAM	36	0	21.27	21.45	21.32	22.70
15	64QAM	36	20	21.32	21.23	21.24	22.70
15	64QAM	36	39	21.22	21.44	21.25	22.70
15	64QAM	75	0	21.44	21.57	21.37	22.70
15	256QAM	1	0	19.46	19.48	19.45	20.70
15	256QAM	1	37	19.37	19.45	19.41	20.70
15	256QAM	1	74	19.48	19.52	19.35	20.70
15	256QAM	36	0	19.37	19.47	19.19	20.70
15	256QAM	36	20	19.71	19.72	19.53	20.70
15	256QAM	36	39	19.44	19.50	19.30	20.70
15	256QAM	75	0	19.46	19.46	19.30	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.58	24.54	24.47	25.70
10	QPSK	1	25	24.41	24.48	24.31	25.70
10	QPSK	1	49	24.35	24.35	24.32	25.70
10	QPSK	25	0	23.50	23.61	23.48	24.70
10	QPSK	25	12	23.33	23.31	23.21	24.70
10	QPSK	25	25	23.49	23.51	23.49	24.70
10	QPSK	50	0	23.33	23.46	23.35	24.70
10	16QAM	1	0	23.37	23.45	23.35	24.70
10	16QAM	1	25	23.61	23.69	23.48	24.70
10	16QAM	1	49	23.51	23.65	23.46	24.70
10	16QAM	25	0	22.62	22.66	22.59	23.70
10	16QAM	25	12	22.48	22.56	22.35	23.70
10	16QAM	25	25	22.38	22.55	22.24	23.70
10	16QAM	50	0	22.42	22.49	22.32	23.70
10	64QAM	1	0	22.41	22.51	22.37	23.70
10	64QAM	1	25	22.26	22.48	22.30	23.70
10	64QAM	1	49	22.54	22.58	22.53	23.70
10	64QAM	25	0	21.24	21.33	21.34	22.70
10	64QAM	25	12	21.24	21.23	21.15	22.70
10	64QAM	25	25	21.28	21.49	21.29	22.70
10	64QAM	50	0	21.38	21.58	21.39	22.70
10	256QAM	1	0	19.40	19.58	19.38	20.70
10	256QAM	1	25	19.38	19.55	19.38	20.70
10	256QAM	1	49	19.46	19.50	19.35	20.70

10	256QAM	25	0	19.36	19.45	19.17	20.70
10	256QAM	25	12	19.71	19.69	19.60	20.70
10	256QAM	25	25	19.45	19.50	19.28	20.70
10	256QAM	50	0	19.46	19.50	19.36	20.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.58	24.50	24.50	25.70
5	QPSK	1	12	24.48	24.45	24.30	25.70
5	QPSK	1	24	24.37	24.35	24.31	25.70
5	QPSK	12	0	23.51	23.64	23.51	24.70
5	QPSK	12	7	23.20	23.27	23.29	24.70
5	QPSK	12	13	23.48	23.50	23.42	24.70
5	QPSK	25	0	23.39	23.44	23.45	24.70
5	16QAM	1	0	23.29	23.40	23.32	24.70
5	16QAM	1	12	23.55	23.67	23.53	24.70
5	16QAM	1	24	23.53	23.56	23.59	24.70
5	16QAM	12	0	22.63	22.71	22.49	23.70
5	16QAM	12	7	22.44	22.48	22.41	23.70
5	16QAM	12	13	22.49	22.53	22.28	23.70
5	16QAM	25	0	22.46	22.58	22.45	23.70
5	64QAM	1	0	22.48	22.54	22.39	23.70
5	64QAM	1	12	22.31	22.35	22.29	23.70
5	64QAM	1	24	22.46	22.67	22.58	23.70
5	64QAM	12	0	21.24	21.39	21.28	22.70
5	64QAM	12	7	21.32	21.34	21.23	22.70
5	64QAM	12	13	21.33	21.40	21.27	22.70
5	64QAM	25	0	21.34	21.46	21.46	22.70
5	256QAM	1	0	19.33	19.61	19.44	20.70
5	256QAM	1	12	19.36	19.46	19.44	20.70
5	256QAM	1	24	19.41	19.50	19.34	20.70
5	256QAM	12	0	19.34	19.46	19.28	20.70
5	256QAM	12	7	19.66	19.75	19.54	20.70
5	256QAM	12	13	19.43	19.52	19.34	20.70
5	256QAM	25	0	19.50	19.46	19.32	20.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.58	24.54	24.50	25.70
3	QPSK	1	8	24.46	24.48	24.27	25.70
3	QPSK	1	14	24.38	24.40	24.28	25.70
3	QPSK	8	0	23.49	23.50	23.51	24.70
3	QPSK	8	4	23.31	23.32	23.18	24.70
3	QPSK	8	7	23.56	23.61	23.47	24.70
3	QPSK	15	0	23.32	23.47	23.32	24.70
3	16QAM	1	0	23.29	23.35	23.32	24.70
3	16QAM	1	8	23.53	23.62	23.46	24.70
3	16QAM	1	14	23.48	23.63	23.57	24.70
3	16QAM	8	0	22.60	22.59	22.47	23.70
3	16QAM	8	4	22.49	22.46	22.35	23.70
3	16QAM	8	7	22.50	22.45	22.30	23.70
3	16QAM	15	0	22.41	22.49	22.41	23.70
3	64QAM	1	0	22.40	22.62	22.40	23.70
3	64QAM	1	8	22.24	22.44	22.23	23.70
3	64QAM	1	14	22.51	22.59	22.50	23.70
3	64QAM	8	0	21.29	21.41	21.29	22.70
3	64QAM	8	4	21.22	21.34	21.22	22.70
3	64QAM	8	7	21.28	21.46	21.34	22.70
3	64QAM	15	0	21.44	21.47	21.49	22.70
3	256QAM	1	0	19.40	19.48	19.42	20.70
3	256QAM	1	8	19.39	19.52	19.40	20.70
3	256QAM	1	14	19.40	19.47	19.45	20.70
3	256QAM	8	0	19.43	19.43	19.27	20.70
3	256QAM	8	4	19.60	19.75	19.53	20.70
3	256QAM	8	7	19.35	19.50	19.33	20.70
3	256QAM	15	0	19.43	19.43	19.35	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.47	24.48	24.51	25.70
1.4	QPSK	1	3	24.49	24.42	24.32	25.70
1.4	QPSK	1	5	24.36	24.42	24.28	25.70
1.4	QPSK	3	0	24.48	24.61	24.49	25.70
1.4	QPSK	3	1	24.31	24.38	24.18	25.70
1.4	QPSK	3	3	24.56	24.58	24.48	25.70
1.4	QPSK	6	0	23.39	23.46	23.31	24.70
1.4	16QAM	1	0	23.32	23.43	23.35	24.70

1.4	16QAM	1	3	23.56	23.69	23.52	24.70
1.4	16QAM	1	5	23.49	23.67	23.54	24.70
1.4	16QAM	3	0	23.62	23.62	23.53	24.70
1.4	16QAM	3	1	23.38	23.51	23.46	24.70
1.4	16QAM	3	3	23.50	23.52	23.34	24.70
1.4	16QAM	6	0	22.52	22.56	22.34	23.70
1.4	64QAM	1	0	22.41	22.61	22.36	23.70
1.4	64QAM	1	3	22.30	22.38	22.34	23.70
1.4	64QAM	1	5	22.51	22.62	22.54	23.70
1.4	64QAM	3	0	22.31	22.42	22.34	23.70
1.4	64QAM	3	1	22.21	22.27	22.15	23.70
1.4	64QAM	3	3	22.33	22.46	22.28	23.70
1.4	64QAM	6	0	21.45	21.59	21.38	22.70
1.4	256QAM	1	0	19.34	19.58	19.46	20.70
1.4	256QAM	1	3	19.43	19.47	19.40	20.70
1.4	256QAM	1	5	19.40	19.53	19.32	20.70
1.4	256QAM	3	0	19.33	19.46	19.22	20.70
1.4	256QAM	3	1	19.59	19.67	19.60	20.70
1.4	256QAM	3	3	19.40	19.47	19.30	20.70
1.4	256QAM	6	0	19.43	19.49	19.34	20.70

【LTE Band 4_Ant 5_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.03	15.10	15.08	16.50
20	QPSK	1	49	14.70	14.88	14.85	16.50
20	QPSK	1	99	14.82	15.04	14.94	16.50
20	QPSK	50	0	14.96	15.07	14.92	16.50
20	QPSK	50	24	14.93	15.06	14.97	16.50
20	QPSK	50	50	14.91	15.01	14.86	16.50
20	QPSK	100	0	14.92	15.06	14.90	16.50
20	16QAM	1	0	14.69	14.86	14.74	16.50
20	16QAM	1	49	14.90	15.01	14.92	16.50
20	16QAM	1	99	14.80	15.01	14.91	16.50
20	16QAM	50	0	14.96	15.04	14.98	16.50
20	16QAM	50	24	14.87	15.03	14.88	16.50
20	16QAM	50	50	14.83	14.99	14.83	16.50
20	16QAM	100	0	14.66	14.87	14.75	16.50
20	64QAM	1	0	14.72	14.90	14.81	16.50
20	64QAM	1	49	14.87	14.96	14.87	16.50
20	64QAM	1	99	14.68	14.87	14.73	16.50
20	64QAM	50	0	14.86	14.97	14.88	16.50
20	64QAM	50	24	14.73	14.87	14.79	16.50
20	64QAM	50	50	14.80	14.90	14.86	16.50
20	64QAM	100	0	14.85	14.97	14.87	16.50
20	256QAM	1	0	14.91	15.02	14.95	16.50
20	256QAM	1	49	14.87	15.08	14.96	16.50
20	256QAM	1	99	14.94	15.09	14.92	16.50
20	256QAM	50	0	14.78	14.98	14.92	16.50
20	256QAM	50	24	14.98	15.07	15.01	16.50
20	256QAM	50	50	14.97	15.07	15.01	16.50
20	256QAM	100	0	14.68	14.88	14.77	16.50
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	14.98	15.02	14.95	16.50
15	QPSK	1	37	14.56	14.77	14.82	16.50
15	QPSK	1	74	14.70	14.99	14.87	16.50
15	QPSK	36	0	14.87	15.05	14.83	16.50
15	QPSK	36	20	14.88	14.98	14.95	16.50
15	QPSK	36	39	14.79	14.96	14.84	16.50
15	QPSK	75	0	14.86	14.98	14.82	16.50
15	16QAM	1	0	14.68	14.76	14.71	16.50
15	16QAM	1	37	14.78	14.92	14.84	16.50
15	16QAM	1	74	14.72	14.99	14.86	16.50
15	16QAM	36	0	14.88	15.00	14.89	16.50
15	16QAM	36	20	14.86	14.95	14.84	16.50
15	16QAM	36	39	14.72	14.95	14.73	16.50

15	16QAM	75	0	14.53	14.82	14.69	16.50
15	64QAM	1	0	14.57	14.77	14.68	16.50
15	64QAM	1	37	14.79	14.95	14.77	16.50
15	64QAM	1	74	14.64	14.81	14.69	16.50
15	64QAM	36	0	14.74	14.91	14.79	16.50
15	64QAM	36	20	14.67	14.82	14.67	16.50
15	64QAM	36	39	14.75	14.82	14.79	16.50
15	64QAM	75	0	14.77	14.89	14.74	16.50
15	256QAM	1	0	14.83	14.91	14.83	16.50
15	256QAM	1	37	14.80	14.95	14.86	16.50
15	256QAM	1	74	14.84	15.00	14.81	16.50
15	256QAM	36	0	14.63	14.83	14.78	16.50
15	256QAM	36	20	14.96	14.93	15.00	16.50
15	256QAM	36	39	14.89	14.97	14.96	16.50
15	256QAM	75	0	14.55	14.81	14.72	16.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	14.91	15.02	14.96	16.50
10	QPSK	1	25	14.57	14.82	14.83	16.50
10	QPSK	1	49	14.75	15.01	14.84	16.50
10	QPSK	25	0	14.94	14.97	14.80	16.50
10	QPSK	25	12	14.80	14.99	14.83	16.50
10	QPSK	25	25	14.76	14.95	14.74	16.50
10	QPSK	50	0	14.85	14.99	14.85	16.50
10	16QAM	1	0	14.65	14.85	14.69	16.50
10	16QAM	1	25	14.76	14.93	14.80	16.50
10	16QAM	1	49	14.73	14.98	14.85	16.50
10	16QAM	25	0	14.94	14.94	14.87	16.50
10	16QAM	25	12	14.83	14.91	14.76	16.50
10	16QAM	25	25	14.72	14.93	14.74	16.50
10	16QAM	50	0	14.52	14.73	14.64	16.50
10	64QAM	1	0	14.67	14.76	14.74	16.50
10	64QAM	1	25	14.84	14.95	14.77	16.50
10	64QAM	1	49	14.66	14.83	14.66	16.50
10	64QAM	25	0	14.85	14.92	14.86	16.50
10	64QAM	25	12	14.60	14.74	14.67	16.50
10	64QAM	25	25	14.74	14.82	14.78	16.50
10	64QAM	50	0	14.79	14.86	14.82	16.50
10	256QAM	1	0	14.77	14.92	14.81	16.50
10	256QAM	1	25	14.77	15.01	14.93	16.50
10	256QAM	1	49	14.83	15.01	14.82	16.50
10	256QAM	25	0	14.75	14.91	14.86	16.50
10	256QAM	25	12	14.84	15.00	14.98	16.50
10	256QAM	25	25	14.86	15.00	14.89	16.50
10	256QAM	50	0	14.57	14.76	14.66	16.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	14.99	15.08	14.97	16.50
5	QPSK	1	12	14.67	14.80	14.71	16.50
5	QPSK	1	24	14.71	14.92	14.80	16.50
5	QPSK	12	0	14.84	15.03	14.89	16.50
5	QPSK	12	7	14.90	14.97	14.89	16.50
5	QPSK	12	13	14.86	14.97	14.79	16.50
5	QPSK	25	0	14.78	14.98	14.85	16.50
5	16QAM	1	0	14.62	14.71	14.62	16.50
5	16QAM	1	12	14.80	14.92	14.90	16.50
5	16QAM	1	24	14.73	14.87	14.81	16.50
5	16QAM	12	0	14.87	14.96	14.96	16.50
5	16QAM	12	7	14.78	14.94	14.78	16.50
5	16QAM	12	13	14.68	14.85	14.79	16.50
5	16QAM	25	0	14.57	14.82	14.71	16.50
5	64QAM	1	0	14.64	14.83	14.79	16.50
5	64QAM	1	12	14.78	14.85	14.81	16.50
5	64QAM	1	24	14.65	14.77	14.62	16.50
5	64QAM	12	0	14.72	14.95	14.83	16.50
5	64QAM	12	7	14.66	14.77	14.78	16.50
5	64QAM	12	13	14.69	14.79	14.80	16.50
5	64QAM	25	0	14.75	14.84	14.83	16.50
5	256QAM	1	0	14.86	14.89	14.83	16.50
5	256QAM	1	12	14.85	14.93	14.86	16.50
5	256QAM	1	24	14.87	14.97	14.84	16.50
5	256QAM	12	0	14.68	14.87	14.80	16.50
5	256QAM	12	7	14.90	14.93	14.98	16.50
5	256QAM	12	13	14.94	14.99	14.89	16.50

5	256QAM	25	0	14.66	14.86	14.63	16.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	14.99	14.98	14.96	16.50
3	QPSK	1	8	14.59	14.77	14.76	16.50
3	QPSK	1	14	14.74	15.01	14.86	16.50
3	QPSK	8	0	14.92	14.94	14.81	16.50
3	QPSK	8	4	14.92	15.04	14.89	16.50
3	QPSK	8	7	14.85	14.95	14.73	16.50
3	QPSK	15	0	14.79	14.96	14.76	16.50
3	16QAM	1	0	14.64	14.83	14.70	16.50
3	16QAM	1	8	14.79	14.98	14.85	16.50
3	16QAM	1	14	14.72	14.88	14.77	16.50
3	16QAM	8	0	14.86	15.01	14.90	16.50
3	16QAM	8	4	14.76	14.89	14.78	16.50
3	16QAM	8	7	14.68	14.94	14.78	16.50
3	16QAM	15	0	14.64	14.79	14.71	16.50
3	64QAM	1	0	14.57	14.81	14.70	16.50
3	64QAM	1	8	14.81	14.93	14.86	16.50
3	64QAM	1	14	14.55	14.85	14.59	16.50
3	64QAM	8	0	14.83	14.93	14.86	16.50
3	64QAM	8	4	14.62	14.76	14.73	16.50
3	64QAM	8	7	14.76	14.76	14.83	16.50
3	64QAM	15	0	14.77	14.84	14.82	16.50
3	256QAM	1	0	14.78	15.00	14.93	16.50
3	256QAM	1	8	14.84	14.96	14.83	16.50
3	256QAM	1	14	14.84	14.99	14.81	16.50
3	256QAM	8	0	14.77	14.86	14.87	16.50
3	256QAM	8	4	14.90	14.98	14.95	16.50
3	256QAM	8	7	14.91	14.98	14.97	16.50
3	256QAM	15	0	14.60	14.84	14.67	16.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	14.92	14.95	15.07	16.50
1.4	QPSK	1	3	14.64	14.83	14.81	16.50
1.4	QPSK	1	5	14.76	14.92	14.91	16.50
1.4	QPSK	3	0	14.83	15.06	14.88	16.50
1.4	QPSK	3	1	14.82	14.91	14.96	16.50
1.4	QPSK	3	3	14.83	14.87	14.78	16.50
1.4	QPSK	6	0	14.89	14.92	14.86	16.50
1.4	16QAM	1	0	14.60	14.81	14.63	16.50
1.4	16QAM	1	3	14.87	14.88	14.83	16.50
1.4	16QAM	1	5	14.78	15.00	14.83	16.50
1.4	16QAM	3	0	14.81	14.94	14.86	16.50
1.4	16QAM	3	1	14.86	15.02	14.80	16.50
1.4	16QAM	3	3	14.80	14.85	14.81	16.50
1.4	16QAM	6	0	14.58	14.77	14.70	16.50
1.4	64QAM	1	0	14.61	14.81	14.79	16.50
1.4	64QAM	1	3	14.81	14.83	14.78	16.50
1.4	64QAM	1	5	14.63	14.81	14.62	16.50
1.4	64QAM	3	0	14.82	14.90	14.79	16.50
1.4	64QAM	3	1	14.61	14.83	14.69	16.50
1.4	64QAM	3	3	14.66	14.79	14.73	16.50
1.4	64QAM	6	0	14.78	14.93	14.78	16.50
1.4	256QAM	1	0	14.85	14.97	14.85	16.50
1.4	256QAM	1	3	14.76	15.06	14.81	16.50
1.4	256QAM	1	5	14.83	14.97	14.78	16.50
1.4	256QAM	3	0	14.66	14.91	14.81	16.50
1.4	256QAM	3	1	14.95	14.97	14.86	16.50
1.4	256QAM	3	3	14.93	14.97	14.94	16.50
1.4	256QAM	6	0	14.62	14.85	14.65	16.50

【LTE Band 4_Ant 5_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.59	15.61	15.57	16.20
20	QPSK	1	49	15.44	15.61	15.49	16.20
20	QPSK	1	99	15.42	15.54	15.46	16.20
20	QPSK	50	0	15.45	15.59	15.45	16.20
20	QPSK	50	24	15.50	15.54	15.38	16.20
20	QPSK	50	50	15.39	15.50	15.36	16.20
20	QPSK	100	0	15.42	15.59	15.54	16.20
20	16QAM	1	0	15.43	15.57	15.44	16.20
20	16QAM	1	49	15.60	15.69	15.61	16.20
20	16QAM	1	99	15.51	15.62	15.43	16.20
20	16QAM	50	0	15.57	15.64	15.49	16.20
20	16QAM	50	24	15.58	15.61	15.51	16.20
20	16QAM	50	50	15.39	15.54	15.42	16.20
20	16QAM	100	0	15.50	15.57	15.47	16.20
20	64QAM	1	0	15.51	15.57	15.43	16.20
20	64QAM	1	49	15.54	15.61	15.48	16.20
20	64QAM	1	99	15.59	15.69	15.63	16.20
20	64QAM	50	0	15.56	15.60	15.50	16.20
20	64QAM	50	24	15.34	15.50	15.33	16.20
20	64QAM	50	50	15.45	15.54	15.38	16.20
20	64QAM	100	0	15.44	15.55	15.48	16.20
20	256QAM	1	0	15.43	15.50	15.40	16.20
20	256QAM	1	49	15.41	15.58	15.45	16.20
20	256QAM	1	99	15.56	15.68	15.63	16.20
20	256QAM	50	0	15.41	15.52	15.47	16.20
20	256QAM	50	24	15.46	15.59	15.49	16.20
20	256QAM	50	50	15.42	15.57	15.39	16.20
20	256QAM	100	0	15.57	15.63	15.59	16.20
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.45	15.51	15.54	16.20
15	QPSK	1	37	15.37	15.49	15.36	16.20
15	QPSK	1	74	15.35	15.47	15.33	16.20
15	QPSK	36	0	15.42	15.44	15.43	16.20
15	QPSK	36	20	15.41	15.50	15.34	16.20
15	QPSK	36	39	15.29	15.37	15.22	16.20
15	QPSK	75	0	15.35	15.49	15.50	16.20
15	16QAM	1	0	15.33	15.46	15.36	16.20
15	16QAM	1	37	15.47	15.56	15.50	16.20
15	16QAM	1	74	15.40	15.54	15.39	16.20
15	16QAM	36	0	15.44	15.61	15.38	16.20
15	16QAM	36	20	15.55	15.57	15.50	16.20
15	16QAM	36	39	15.36	15.51	15.37	16.20
15	16QAM	75	0	15.44	15.46	15.32	16.20
15	64QAM	1	0	15.49	15.49	15.33	16.20
15	64QAM	1	37	15.41	15.48	15.40	16.20
15	64QAM	1	74	15.52	15.65	15.58	16.20
15	64QAM	36	0	15.45	15.46	15.42	16.20
15	64QAM	36	20	15.27	15.46	15.20	16.20
15	64QAM	36	39	15.31	15.45	15.24	16.20
15	64QAM	75	0	15.37	15.46	15.36	16.20
15	256QAM	1	0	15.41	15.43	15.33	16.20
15	256QAM	1	37	15.28	15.47	15.39	16.20
15	256QAM	1	74	15.42	15.61	15.62	16.20
15	256QAM	36	0	15.29	15.49	15.42	16.20
15	256QAM	36	20	15.38	15.45	15.45	16.20
15	256QAM	36	39	15.30	15.50	15.34	16.20
15	256QAM	75	0	15.52	15.58	15.48	16.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.53	15.47	15.53	16.20
10	QPSK	1	25	15.41	15.50	15.39	16.20
10	QPSK	1	49	15.39	15.50	15.45	16.20
10	QPSK	25	0	15.33	15.54	15.39	16.20
10	QPSK	25	12	15.43	15.44	15.26	16.20
10	QPSK	25	25	15.27	15.44	15.33	16.20

10	QPSK	50	0	15.31	15.47	15.44	16.20
10	16QAM	1	0	15.33	15.52	15.37	16.20
10	16QAM	1	25	15.50	15.55	15.55	16.20
10	16QAM	1	49	15.43	15.48	15.42	16.20
10	16QAM	25	0	15.47	15.59	15.46	16.20
10	16QAM	25	12	15.44	15.56	15.41	16.20
10	16QAM	25	25	15.34	15.52	15.38	16.20
10	16QAM	50	0	15.47	15.50	15.34	16.20
10	64QAM	1	0	15.39	15.53	15.32	16.20
10	64QAM	1	25	15.52	15.48	15.33	16.20
10	64QAM	1	49	15.48	15.56	15.59	16.20
10	64QAM	25	0	15.50	15.58	15.37	16.20
10	64QAM	25	12	15.26	15.37	15.25	16.20
10	64QAM	25	25	15.37	15.43	15.34	16.20
10	64QAM	50	0	15.37	15.52	15.34	16.20
10	256QAM	1	0	15.34	15.45	15.30	16.20
10	256QAM	1	25	15.32	15.55	15.39	16.20
10	256QAM	1	49	15.44	15.57	15.55	16.20
10	256QAM	25	0	15.29	15.43	15.34	16.20
10	256QAM	25	12	15.41	15.50	15.44	16.20
10	256QAM	25	25	15.38	15.51	15.29	16.20
10	256QAM	50	0	15.49	15.58	15.47	16.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.47	15.56	15.44	16.20
5	QPSK	1	12	15.40	15.49	15.44	16.20
5	QPSK	1	24	15.41	15.48	15.33	16.20
5	QPSK	12	0	15.32	15.46	15.43	16.20
5	QPSK	12	7	15.44	15.50	15.25	16.20
5	QPSK	12	13	15.26	15.37	15.22	16.20
5	QPSK	25	0	15.31	15.57	15.52	16.20
5	16QAM	1	0	15.40	15.44	15.41	16.20
5	16QAM	1	12	15.53	15.59	15.59	16.20
5	16QAM	1	24	15.40	15.48	15.31	16.20
5	16QAM	12	0	15.51	15.58	15.41	16.20
5	16QAM	12	7	15.54	15.52	15.40	16.20
5	16QAM	12	13	15.35	15.51	15.31	16.20
5	16QAM	25	0	15.44	15.48	15.39	16.20
5	64QAM	1	0	15.43	15.45	15.28	16.20
5	64QAM	1	12	15.40	15.46	15.40	16.20
5	64QAM	1	24	15.46	15.59	15.57	16.20
5	64QAM	12	0	15.54	15.55	15.47	16.20
5	64QAM	12	7	15.31	15.38	15.24	16.20
5	64QAM	12	13	15.44	15.45	15.35	16.20
5	64QAM	25	0	15.36	15.48	15.33	16.20
5	256QAM	1	0	15.41	15.49	15.25	16.20
5	256QAM	1	12	15.36	15.52	15.40	16.20
5	256QAM	1	24	15.43	15.61	15.62	16.20
5	256QAM	12	0	15.39	15.38	15.32	16.20
5	256QAM	12	7	15.34	15.46	15.45	16.20
5	256QAM	12	13	15.34	15.44	15.29	16.20
5	256QAM	25	0	15.47	15.63	15.54	16.20
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.51	15.58	15.50	16.20
3	QPSK	1	8	15.42	15.60	15.47	16.20
3	QPSK	1	14	15.40	15.44	15.44	16.20
3	QPSK	8	0	15.42	15.50	15.37	16.20
3	QPSK	8	4	15.46	15.42	15.27	16.20
3	QPSK	8	7	15.25	15.44	15.23	16.20
3	QPSK	15	0	15.38	15.50	15.52	16.20
3	16QAM	1	0	15.41	15.54	15.39	16.20
3	16QAM	1	8	15.58	15.67	15.52	16.20
3	16QAM	1	14	15.43	15.51	15.31	16.20
3	16QAM	8	0	15.45	15.59	15.41	16.20
3	16QAM	8	4	15.50	15.47	15.47	16.20
3	16QAM	8	7	15.33	15.46	15.38	16.20
3	16QAM	15	0	15.43	15.43	15.37	16.20
3	64QAM	1	0	15.41	15.46	15.40	16.20
3	64QAM	1	8	15.43	15.59	15.38	16.20
3	64QAM	1	14	15.55	15.67	15.48	16.20
3	64QAM	8	0	15.51	15.53	15.48	16.20
3	64QAM	8	4	15.23	15.42	15.25	16.20
3	64QAM	8	7	15.37	15.44	15.29	16.20

3	64QAM	15	0	15.35	15.44	15.41	16.20
3	256QAM	1	0	15.35	15.38	15.37	16.20
3	256QAM	1	8	15.31	15.48	15.39	16.20
3	256QAM	1	14	15.44	15.61	15.57	16.20
3	256QAM	8	0	15.35	15.39	15.35	16.20
3	256QAM	8	4	15.33	15.52	15.42	16.20
3	256QAM	8	7	15.30	15.45	15.26	16.20
3	256QAM	15	0	15.49	15.61	15.47	16.20
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.50	15.59	15.49	16.20
1.4	QPSK	1	3	15.30	15.46	15.48	16.20
1.4	QPSK	1	5	15.39	15.41	15.34	16.20
1.4	QPSK	3	0	15.38	15.55	15.38	16.20
1.4	QPSK	3	1	15.38	15.46	15.32	16.20
1.4	QPSK	3	3	15.31	15.36	15.21	16.20
1.4	QPSK	6	0	15.31	15.53	15.45	16.20
1.4	16QAM	1	0	15.38	15.50	15.38	16.20
1.4	16QAM	1	3	15.47	15.63	15.58	16.20
1.4	16QAM	1	5	15.38	15.57	15.33	16.20
1.4	16QAM	3	0	15.54	15.59	15.48	16.20
1.4	16QAM	3	1	15.56	15.50	15.49	16.20
1.4	16QAM	3	3	15.37	15.47	15.38	16.20
1.4	16QAM	6	0	15.42	15.52	15.40	16.20
1.4	64QAM	1	0	15.39	15.46	15.29	16.20
1.4	64QAM	1	3	15.45	15.53	15.43	16.20
1.4	64QAM	1	5	15.51	15.59	15.48	16.20
1.4	64QAM	3	0	15.46	15.51	15.41	16.20
1.4	64QAM	3	1	15.22	15.42	15.23	16.20
1.4	64QAM	3	3	15.40	15.48	15.28	16.20
1.4	64QAM	6	0	15.40	15.47	15.42	16.20
1.4	256QAM	1	0	15.35	15.42	15.31	16.20
1.4	256QAM	1	3	15.28	15.52	15.33	16.20
1.4	256QAM	1	5	15.43	15.63	15.50	16.20
1.4	256QAM	3	0	15.30	15.48	15.45	16.20
1.4	256QAM	3	1	15.42	15.45	15.45	16.20
1.4	256QAM	3	3	15.30	15.47	15.30	16.20
1.4	256QAM	6	0	15.44	15.66	15.46	16.20

【LTE Band 4_Ant 5_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.45	17.48	17.32	19.00
20	QPSK	1	49	17.07	17.20	17.01	19.00
20	QPSK	1	99	17.34	17.41	17.24	19.00
20	QPSK	50	0	17.32	17.40	17.16	19.00
20	QPSK	50	24	17.31	17.36	17.15	19.00
20	QPSK	50	50	17.02	17.17	16.95	19.00
20	QPSK	100	0	17.23	17.29	17.07	19.00
20	16QAM	1	0	17.26	17.31	17.02	19.00
20	16QAM	1	49	17.28	17.33	17.12	19.00
20	16QAM	1	99	17.25	17.34	17.04	19.00
20	16QAM	50	0	17.31	17.40	17.23	19.00
20	16QAM	50	24	17.28	17.37	17.10	19.00
20	16QAM	50	50	17.28	17.45	17.24	19.00
20	16QAM	100	0	17.38	17.42	17.13	19.00
20	64QAM	1	0	17.28	17.38	17.10	19.00
20	64QAM	1	49	17.36	17.44	17.25	19.00
20	64QAM	1	99	17.43	17.49	17.27	19.00
20	64QAM	50	0	17.13	17.25	16.95	19.00
20	64QAM	50	24	17.28	17.38	17.16	19.00
20	64QAM	50	50	17.25	17.41	17.19	19.00
20	64QAM	100	0	17.20	17.35	17.14	19.00
20	256QAM	1	0	17.26	17.43	17.24	19.00
20	256QAM	1	49	17.36	17.44	17.16	19.00
20	256QAM	1	99	17.26	17.40	17.14	19.00
20	256QAM	50	0	17.29	17.39	17.12	19.00

20	256QAM	50	24	17.22	17.30	17.02	19.00
20	256QAM	50	50	17.16	17.33	17.08	19.00
20	256QAM	100	0	17.20	17.27	17.06	19.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	17.33	17.35	17.27	19.00
15	QPSK	1	37	17.03	17.17	17.00	19.00
15	QPSK	1	74	17.24	17.34	17.14	19.00
15	QPSK	36	0	17.29	17.27	17.11	19.00
15	QPSK	36	20	17.26	17.21	17.11	19.00
15	QPSK	36	39	16.95	17.05	16.88	19.00
15	QPSK	75	0	17.21	17.19	17.02	19.00
15	16QAM	1	0	17.18	17.20	16.93	19.00
15	16QAM	1	37	17.20	17.31	17.08	19.00
15	16QAM	1	74	17.14	17.20	16.90	19.00
15	16QAM	36	0	17.24	17.27	17.15	19.00
15	16QAM	36	20	17.26	17.27	16.95	19.00
15	16QAM	36	39	17.24	17.37	17.11	19.00
15	16QAM	75	0	17.24	17.31	17.09	19.00
15	64QAM	1	0	17.21	17.27	16.99	19.00
15	64QAM	1	37	17.34	17.30	17.22	19.00
15	64QAM	1	74	17.32	17.42	17.13	19.00
15	64QAM	36	0	17.11	17.15	16.80	19.00
15	64QAM	36	20	17.24	17.29	17.08	19.00
15	64QAM	36	39	17.14	17.35	17.05	19.00
15	64QAM	75	0	17.13	17.22	17.13	19.00
15	256QAM	1	0	17.13	17.36	17.11	19.00
15	256QAM	1	37	17.25	17.39	17.06	19.00
15	256QAM	1	74	17.22	17.25	17.02	19.00
15	256QAM	36	0	17.27	17.27	17.00	19.00
15	256QAM	36	20	17.19	17.29	16.99	19.00
15	256QAM	36	39	17.05	17.31	17.06	19.00
15	256QAM	75	0	17.12	17.17	16.95	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	17.41	17.44	17.30	19.00
10	QPSK	1	25	16.99	17.05	16.90	19.00
10	QPSK	1	49	17.29	17.31	17.21	19.00
10	QPSK	25	0	17.19	17.36	17.02	19.00
10	QPSK	25	12	17.25	17.29	17.01	19.00
10	QPSK	25	25	16.96	17.06	16.92	19.00
10	QPSK	50	0	17.18	17.25	16.95	19.00
10	16QAM	1	0	17.13	17.26	16.98	19.00
10	16QAM	1	25	17.21	17.30	16.99	19.00
10	16QAM	1	49	17.14	17.31	17.01	19.00
10	16QAM	25	0	17.16	17.38	17.20	19.00
10	16QAM	25	12	17.13	17.35	17.09	19.00
10	16QAM	25	25	17.19	17.31	17.13	19.00
10	16QAM	50	0	17.32	17.39	16.99	19.00
10	64QAM	1	0	17.21	17.26	17.00	19.00
10	64QAM	1	25	17.24	17.39	17.15	19.00
10	64QAM	1	49	17.41	17.41	17.17	19.00
10	64QAM	25	0	17.06	17.23	16.80	19.00
10	64QAM	25	12	17.13	17.36	17.11	19.00
10	64QAM	25	25	17.15	17.39	17.06	19.00
10	64QAM	50	0	17.18	17.31	17.01	19.00
10	256QAM	1	0	17.18	17.34	17.16	19.00
10	256QAM	1	25	17.24	17.41	17.05	19.00
10	256QAM	1	49	17.25	17.26	17.09	19.00
10	256QAM	25	0	17.22	17.31	17.02	19.00
10	256QAM	25	12	17.19	17.28	16.96	19.00
10	256QAM	25	25	17.08	17.27	17.03	19.00
10	256QAM	50	0	17.09	17.15	16.96	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	17.37	17.42	17.30	19.00
5	QPSK	1	12	17.00	17.12	16.95	19.00
5	QPSK	1	24	17.25	17.32	17.17	19.00
5	QPSK	12	0	17.30	17.37	17.12	19.00
5	QPSK	12	7	17.16	17.23	17.11	19.00
5	QPSK	12	13	16.90	17.16	16.89	19.00
5	QPSK	25	0	17.11	17.24	17.04	19.00
5	16QAM	1	0	17.14	17.24	16.97	19.00
5	16QAM	1	12	17.22	17.25	17.09	19.00

5	16QAM	1	24	17.23	17.21	16.95	19.00
5	16QAM	12	0	17.23	17.30	17.14	19.00
5	16QAM	12	7	17.20	17.33	17.05	19.00
5	16QAM	12	13	17.16	17.37	17.21	19.00
5	16QAM	25	0	17.31	17.30	17.01	19.00
5	64QAM	1	0	17.24	17.35	17.05	19.00
5	64QAM	1	12	17.28	17.34	17.12	19.00
5	64QAM	1	24	17.39	17.42	17.24	19.00
5	64QAM	12	0	17.07	17.11	16.82	19.00
5	64QAM	12	7	17.17	17.25	17.03	19.00
5	64QAM	12	13	17.20	17.27	17.06	19.00
5	64QAM	25	0	17.13	17.27	17.05	19.00
5	256QAM	1	0	17.22	17.32	17.13	19.00
5	256QAM	1	12	17.34	17.38	17.05	19.00
5	256QAM	1	24	17.15	17.28	17.02	19.00
5	256QAM	12	0	17.21	17.25	16.99	19.00
5	256QAM	12	7	17.09	17.19	16.97	19.00
5	256QAM	12	13	17.10	17.31	16.98	19.00
5	256QAM	25	0	17.18	17.22	17.05	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.35	17.38	17.17	19.00
3	QPSK	1	8	16.99	17.08	16.94	19.00
3	QPSK	1	14	17.23	17.33	17.18	19.00
3	QPSK	8	0	17.21	17.34	17.10	19.00
3	QPSK	8	4	17.28	17.26	17.10	19.00
3	QPSK	8	7	16.96	17.03	16.83	19.00
3	QPSK	15	0	17.17	17.22	17.05	19.00
3	16QAM	1	0	17.16	17.23	16.89	19.00
3	16QAM	1	8	17.25	17.29	17.02	19.00
3	16QAM	1	14	17.16	17.28	16.91	19.00
3	16QAM	8	0	17.16	17.30	17.17	19.00
3	16QAM	8	4	17.24	17.30	16.96	19.00
3	16QAM	8	7	17.22	17.37	17.16	19.00
3	16QAM	15	0	17.27	17.34	17.07	19.00
3	64QAM	1	0	17.22	17.27	17.07	19.00
3	64QAM	1	8	17.34	17.31	17.11	19.00
3	64QAM	1	14	17.32	17.47	17.17	19.00
3	64QAM	8	0	17.06	17.22	16.88	19.00
3	64QAM	8	4	17.17	17.27	17.03	19.00
3	64QAM	8	7	17.11	17.36	17.17	19.00
3	64QAM	15	0	17.14	17.33	17.11	19.00
3	256QAM	1	0	17.12	17.28	17.15	19.00
3	256QAM	1	8	17.21	17.39	17.06	19.00
3	256QAM	1	14	17.16	17.36	17.04	19.00
3	256QAM	8	0	17.25	17.32	17.06	19.00
3	256QAM	8	4	17.07	17.26	16.89	19.00
3	256QAM	8	7	17.05	17.26	16.94	19.00
3	256QAM	15	0	17.06	17.22	17.04	19.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	17.42	17.47	17.28	19.00
1.4	QPSK	1	3	16.99	17.16	16.97	19.00
1.4	QPSK	1	5	17.29	17.34	17.21	19.00
1.4	QPSK	3	0	17.29	17.32	17.05	19.00
1.4	QPSK	3	1	17.18	17.31	17.06	19.00
1.4	QPSK	3	3	16.92	17.07	16.84	19.00
1.4	QPSK	6	0	17.15	17.22	17.04	19.00
1.4	16QAM	1	0	17.24	17.26	16.96	19.00
1.4	16QAM	1	3	17.20	17.24	16.98	19.00
1.4	16QAM	1	5	17.18	17.19	16.95	19.00
1.4	16QAM	3	0	17.30	17.33	17.10	19.00
1.4	16QAM	3	1	17.25	17.23	16.99	19.00
1.4	16QAM	3	3	17.19	17.30	17.17	19.00
1.4	16QAM	6	0	17.29	17.37	17.02	19.00
1.4	64QAM	1	0	17.17	17.34	17.03	19.00
1.4	64QAM	1	3	17.34	17.31	17.11	19.00
1.4	64QAM	1	5	17.36	17.36	17.20	19.00
1.4	64QAM	3	0	17.08	17.24	16.90	19.00
1.4	64QAM	3	1	17.18	17.36	17.04	19.00
1.4	64QAM	3	3	17.18	17.39	17.11	19.00
1.4	64QAM	6	0	17.16	17.23	17.07	19.00
1.4	256QAM	1	0	17.22	17.31	17.21	19.00
1.4	256QAM	1	3	17.28	17.38	17.11	19.00

1.4	256QAM	1	5	17.21	17.29	17.11	19.00
1.4	256QAM	3	0	17.28	17.36	16.98	19.00
1.4	256QAM	3	1	17.15	17.22	16.89	19.00
1.4	256QAM	3	3	17.07	17.27	17.04	19.00
1.4	256QAM	6	0	17.19	17.14	17.00	19.00

【LTE Band 4_Ant 5_DSI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.83	17.87	17.80	18.70
20	QPSK	1	49	17.61	17.73	17.51	18.70
20	QPSK	1	99	17.64	17.71	17.51	18.70
20	QPSK	50	0	17.73	17.85	17.75	18.70
20	QPSK	50	24	17.68	17.75	17.62	18.70
20	QPSK	50	50	17.72	17.79	17.69	18.70
20	QPSK	100	0	17.53	17.71	17.51	18.70
20	16QAM	1	0	17.59	17.73	17.64	18.70
20	16QAM	1	49	17.59	17.75	17.64	18.70
20	16QAM	1	99	17.77	17.88	17.68	18.70
20	16QAM	50	0	17.57	17.75	17.65	18.70
20	16QAM	50	24	17.56	17.73	17.61	18.70
20	16QAM	50	50	17.64	17.79	17.68	18.70
20	16QAM	100	0	17.79	17.92	17.72	18.70
20	64QAM	1	0	17.56	17.73	17.55	18.70
20	64QAM	1	49	17.70	17.75	17.66	18.70
20	64QAM	1	99	17.73	17.90	17.71	18.70
20	64QAM	50	0	17.80	17.87	17.70	18.70
20	64QAM	50	24	17.72	17.90	17.76	18.70
20	64QAM	50	50	17.71	17.78	17.60	18.70
20	64QAM	100	0	17.81	17.90	17.77	18.70
20	256QAM	1	0	17.73	17.90	17.69	18.70
20	256QAM	1	49	17.72	17.78	17.61	18.70
20	256QAM	1	99	17.62	17.71	17.50	18.70
20	256QAM	50	0	17.57	17.74	17.62	18.70
20	256QAM	50	24	17.59	17.73	17.57	18.70
20	256QAM	50	50	17.56	17.75	17.56	18.70
20	256QAM	100	0	17.69	17.84	17.63	18.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	17.77	17.76	17.77	18.70
15	QPSK	1	37	17.48	17.60	17.37	18.70
15	QPSK	1	74	17.63	17.68	17.36	18.70
15	QPSK	36	0	17.69	17.78	17.61	18.70
15	QPSK	36	20	17.57	17.72	17.54	18.70
15	QPSK	36	39	17.61	17.69	17.62	18.70
15	QPSK	75	0	17.46	17.68	17.49	18.70
15	16QAM	1	0	17.49	17.67	17.55	18.70
15	16QAM	1	37	17.49	17.65	17.60	18.70
15	16QAM	1	74	17.68	17.83	17.62	18.70
15	16QAM	36	0	17.55	17.73	17.50	18.70
15	16QAM	36	20	17.42	17.61	17.54	18.70
15	16QAM	36	39	17.54	17.70	17.55	18.70
15	16QAM	75	0	17.67	17.88	17.58	18.70
15	64QAM	1	0	17.47	17.65	17.43	18.70
15	64QAM	1	37	17.68	17.72	17.62	18.70
15	64QAM	1	74	17.68	17.88	17.62	18.70
15	64QAM	36	0	17.70	17.74	17.67	18.70
15	64QAM	36	20	17.61	17.80	17.71	18.70
15	64QAM	36	39	17.58	17.73	17.50	18.70
15	64QAM	75	0	17.68	17.89	17.65	18.70
15	256QAM	1	0	17.58	17.75	17.58	18.70
15	256QAM	1	37	17.68	17.68	17.51	18.70
15	256QAM	1	74	17.48	17.60	17.45	18.70
15	256QAM	36	0	17.45	17.62	17.54	18.70
15	256QAM	36	20	17.53	17.65	17.49	18.70
15	256QAM	36	39	17.54	17.66	17.46	18.70
15	256QAM	75	0	17.63	17.82	17.50	18.70

Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	17.72	17.75	17.74	18.70
10	QPSK	1	25	17.55	17.71	17.36	18.70
10	QPSK	1	49	17.55	17.66	17.45	18.70
10	QPSK	25	0	17.63	17.80	17.64	18.70
10	QPSK	25	12	17.57	17.63	17.59	18.70
10	QPSK	25	25	17.69	17.78	17.65	18.70
10	QPSK	50	0	17.45	17.66	17.44	18.70
10	16QAM	1	0	17.55	17.71	17.58	18.70
10	16QAM	1	25	17.49	17.67	17.60	18.70
10	16QAM	1	49	17.72	17.74	17.65	18.70
10	16QAM	25	0	17.51	17.64	17.56	18.70
10	16QAM	25	12	17.44	17.72	17.59	18.70
10	16QAM	25	25	17.59	17.72	17.55	18.70
10	16QAM	50	0	17.76	17.80	17.63	18.70
10	64QAM	1	0	17.55	17.60	17.46	18.70
10	64QAM	1	25	17.65	17.62	17.52	18.70
10	64QAM	1	49	17.63	17.82	17.68	18.70
10	64QAM	25	0	17.68	17.74	17.59	18.70
10	64QAM	25	12	17.58	17.83	17.65	18.70
10	64QAM	25	25	17.64	17.76	17.57	18.70
10	64QAM	50	0	17.80	17.80	17.62	18.70
10	256QAM	1	0	17.63	17.86	17.58	18.70
10	256QAM	1	25	17.58	17.64	17.49	18.70
10	256QAM	1	49	17.55	17.60	17.36	18.70
10	256QAM	25	0	17.54	17.68	17.59	18.70
10	256QAM	25	12	17.57	17.67	17.51	18.70
10	256QAM	25	25	17.49	17.71	17.51	18.70
10	256QAM	50	0	17.56	17.75	17.48	18.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	17.68	17.79	17.66	18.70
5	QPSK	1	12	17.57	17.58	17.47	18.70
5	QPSK	1	24	17.53	17.69	17.45	18.70
5	QPSK	12	0	17.69	17.81	17.69	18.70
5	QPSK	12	7	17.58	17.72	17.56	18.70
5	QPSK	12	13	17.65	17.65	17.60	18.70
5	QPSK	25	0	17.46	17.64	17.38	18.70
5	16QAM	1	0	17.58	17.64	17.57	18.70
5	16QAM	1	12	17.51	17.71	17.50	18.70
5	16QAM	1	24	17.74	17.85	17.59	18.70
5	16QAM	12	0	17.44	17.70	17.63	18.70
5	16QAM	12	7	17.52	17.69	17.60	18.70
5	16QAM	12	13	17.53	17.66	17.63	18.70
5	16QAM	25	0	17.67	17.84	17.62	18.70
5	64QAM	1	0	17.46	17.60	17.53	18.70
5	64QAM	1	12	17.57	17.61	17.57	18.70
5	64QAM	1	24	17.64	17.82	17.65	18.70
5	64QAM	12	0	17.78	17.86	17.61	18.70
5	64QAM	12	7	17.65	17.82	17.74	18.70
5	64QAM	12	13	17.66	17.65	17.51	18.70
5	64QAM	25	0	17.80	17.79	17.72	18.70
5	256QAM	1	0	17.58	17.88	17.66	18.70
5	256QAM	1	12	17.65	17.66	17.60	18.70
5	256QAM	1	24	17.48	17.68	17.46	18.70
5	256QAM	12	0	17.50	17.64	17.52	18.70
5	256QAM	12	7	17.55	17.62	17.51	18.70
5	256QAM	12	13	17.44	17.66	17.50	18.70
5	256QAM	25	0	17.55	17.70	17.52	18.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.72	17.78	17.78	18.70
3	QPSK	1	8	17.52	17.65	17.48	18.70
3	QPSK	1	14	17.50	17.58	17.42	18.70
3	QPSK	8	0	17.59	17.80	17.65	18.70
3	QPSK	8	4	17.61	17.64	17.49	18.70
3	QPSK	8	7	17.64	17.69	17.61	18.70
3	QPSK	15	0	17.49	17.65	17.47	18.70
3	16QAM	1	0	17.53	17.72	17.59	18.70
3	16QAM	1	8	17.56	17.65	17.58	18.70
3	16QAM	1	14	17.67	17.86	17.56	18.70
3	16QAM	8	0	17.42	17.70	17.62	18.70
3	16QAM	8	4	17.52	17.64	17.46	18.70

3	16QAM	8	7	17.58	17.68	17.59	18.70
3	16QAM	15	0	17.73	17.85	17.66	18.70
3	64QAM	1	0	17.46	17.61	17.43	18.70
3	64QAM	1	8	17.60	17.64	17.54	18.70
3	64QAM	1	14	17.60	17.84	17.56	18.70
3	64QAM	8	0	17.69	17.78	17.59	18.70
3	64QAM	8	4	17.69	17.85	17.62	18.70
3	64QAM	8	7	17.61	17.64	17.54	18.70
3	64QAM	15	0	17.67	17.81	17.64	18.70
3	256QAM	1	0	17.63	17.79	17.55	18.70
3	256QAM	1	8	17.63	17.75	17.59	18.70
3	256QAM	1	14	17.57	17.66	17.47	18.70
3	256QAM	8	0	17.44	17.61	17.50	18.70
3	256QAM	8	4	17.47	17.61	17.43	18.70
3	256QAM	8	7	17.41	17.67	17.50	18.70
3	256QAM	15	0	17.55	17.77	17.55	18.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	17.77	17.85	17.67	18.70
1.4	QPSK	1	3	17.49	17.58	17.37	18.70
1.4	QPSK	1	5	17.53	17.58	17.43	18.70
1.4	QPSK	3	0	17.68	17.75	17.69	18.70
1.4	QPSK	3	1	17.63	17.73	17.50	18.70
1.4	QPSK	3	3	17.66	17.68	17.54	18.70
1.4	QPSK	6	0	17.46	17.58	17.50	18.70
1.4	16QAM	1	0	17.47	17.65	17.50	18.70
1.4	16QAM	1	3	17.47	17.61	17.50	18.70
1.4	16QAM	1	5	17.71	17.76	17.59	18.70
1.4	16QAM	3	0	17.54	17.65	17.52	18.70
1.4	16QAM	3	1	17.44	17.61	17.47	18.70
1.4	16QAM	3	3	17.57	17.78	17.56	18.70
1.4	16QAM	6	0	17.71	17.82	17.70	18.70
1.4	64QAM	1	0	17.44	17.71	17.41	18.70
1.4	64QAM	1	3	17.61	17.72	17.56	18.70
1.4	64QAM	1	5	17.69	17.82	17.59	18.70
1.4	64QAM	3	0	17.73	17.80	17.62	18.70
1.4	64QAM	3	1	17.63	17.75	17.69	18.70
1.4	64QAM	3	3	17.70	17.67	17.51	18.70
1.4	64QAM	6	0	17.78	17.84	17.73	18.70
1.4	256QAM	1	0	17.61	17.88	17.56	18.70
1.4	256QAM	1	3	17.66	17.71	17.51	18.70
1.4	256QAM	1	5	17.52	17.63	17.45	18.70
1.4	256QAM	3	0	17.50	17.67	17.53	18.70
1.4	256QAM	3	1	17.54	17.63	17.45	18.70
1.4	256QAM	3	3	17.50	17.72	17.54	18.70
1.4	256QAM	6	0	17.58	17.81	17.60	18.70

【LTE Band 4_Ant 5_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.39	23.41	23.35	25.00
20	QPSK	1	49	23.16	23.32	23.12	25.00
20	QPSK	1	99	23.22	23.38	23.22	25.00
20	QPSK	50	0	23.29	23.40	23.25	25.00
20	QPSK	50	24	23.14	23.26	23.06	25.00
20	QPSK	50	50	23.07	23.20	23.06	25.00
20	QPSK	100	0	23.45	23.50	23.41	25.00
20	16QAM	1	0	23.44	23.47	23.39	25.00
20	16QAM	1	49	23.39	23.51	23.32	25.00
20	16QAM	1	99	23.30	23.43	23.25	25.00
20	16QAM	50	0	22.26	22.39	22.21	24.00
20	16QAM	50	24	22.13	22.30	22.20	24.00
20	16QAM	50	50	22.39	22.53	22.36	24.00
20	16QAM	100	0	22.36	22.40	22.24	24.00
20	64QAM	1	0	22.37	22.54	22.41	24.00
20	64QAM	1	49	22.34	22.40	22.33	24.00
20	64QAM	1	99	22.44	22.49	22.30	24.00

20	64QAM	50	0	21.34	21.38	21.29	23.00
20	64QAM	50	24	21.39	21.47	21.38	23.00
20	64QAM	50	50	21.32	21.36	21.28	23.00
20	64QAM	100	0	21.20	21.29	21.14	23.00
20	256QAM	1	0	19.26	19.34	19.19	21.00
20	256QAM	1	49	19.13	19.28	19.10	21.00
20	256QAM	1	99	19.29	19.35	19.28	21.00
20	256QAM	50	0	19.30	19.45	19.37	21.00
20	256QAM	50	24	19.25	19.29	19.12	21.00
20	256QAM	50	50	19.49	19.53	19.43	21.00
20	256QAM	100	0	19.13	19.25	19.17	21.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	23.30	23.33	23.31	25.00
15	QPSK	1	37	23.08	23.26	23.07	25.00
15	QPSK	1	74	23.11	23.34	23.16	25.00
15	QPSK	36	0	23.22	23.31	23.16	25.00
15	QPSK	36	20	23.07	23.14	22.92	25.00
15	QPSK	36	39	23.00	23.12	23.04	25.00
15	QPSK	75	0	23.34	23.39	23.26	25.00
15	16QAM	1	0	23.34	23.38	23.30	25.00
15	16QAM	1	37	23.26	23.44	23.20	25.00
15	16QAM	1	74	23.25	23.33	23.12	25.00
15	16QAM	36	0	22.20	22.32	22.07	24.00
15	16QAM	36	20	22.06	22.18	22.13	24.00
15	16QAM	36	39	22.27	22.51	22.25	24.00
15	16QAM	75	0	22.28	22.31	22.12	24.00
15	64QAM	1	0	22.30	22.51	22.27	24.00
15	64QAM	1	37	22.30	22.29	22.19	24.00
15	64QAM	1	74	22.33	22.37	22.19	24.00
15	64QAM	36	0	21.19	21.28	21.24	23.00
15	64QAM	36	20	21.38	21.34	21.37	23.00
15	64QAM	36	39	21.25	21.33	21.24	23.00
15	64QAM	75	0	21.15	21.16	21.09	23.00
15	256QAM	1	0	19.21	19.23	19.11	21.00
15	256QAM	1	37	19.02	19.17	19.02	21.00
15	256QAM	1	74	19.21	19.23	19.19	21.00
15	256QAM	36	0	19.17	19.40	19.28	21.00
15	256QAM	36	20	19.15	19.27	19.01	21.00
15	256QAM	36	39	19.40	19.48	19.37	21.00
15	256QAM	75	0	19.07	19.21	19.15	21.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.37	23.33	23.33	25.00
10	QPSK	1	25	23.03	23.19	23.01	25.00
10	QPSK	1	49	23.20	23.34	23.07	25.00
10	QPSK	25	0	23.16	23.35	23.20	25.00
10	QPSK	25	12	23.08	23.20	22.93	25.00
10	QPSK	25	25	22.93	23.06	22.98	25.00
10	QPSK	50	0	23.42	23.41	23.36	25.00
10	16QAM	1	0	23.35	23.38	23.34	25.00
10	16QAM	1	25	23.29	23.43	23.25	25.00
10	16QAM	1	49	23.26	23.28	23.19	25.00
10	16QAM	25	0	22.12	22.37	22.16	24.00
10	16QAM	25	12	22.09	22.17	22.07	24.00
10	16QAM	25	25	22.35	22.44	22.26	24.00
10	16QAM	50	0	22.25	22.30	22.15	24.00
10	64QAM	1	0	22.34	22.45	22.28	24.00
10	64QAM	1	25	22.33	22.26	22.21	24.00
10	64QAM	1	49	22.41	22.39	22.19	24.00
10	64QAM	25	0	21.23	21.33	21.15	23.00
10	64QAM	25	12	21.29	21.37	21.29	23.00
10	64QAM	25	25	21.24	21.24	21.13	23.00
10	64QAM	50	0	21.06	21.22	21.13	23.00
10	256QAM	1	0	19.20	19.21	19.17	21.00
10	256QAM	1	25	19.02	19.20	18.99	21.00
10	256QAM	1	49	19.21	19.27	19.20	21.00
10	256QAM	25	0	19.26	19.35	19.27	21.00
10	256QAM	25	12	19.23	19.18	18.98	21.00
10	256QAM	25	25	19.38	19.40	19.41	21.00
10	256QAM	50	0	19.05	19.14	19.14	21.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.29	23.31	23.25	25.00

5	QPSK	1	12	23.03	23.26	23.01	25.00
5	QPSK	1	24	23.12	23.35	23.17	25.00
5	QPSK	12	0	23.27	23.26	23.17	25.00
5	QPSK	12	7	23.01	23.23	22.97	25.00
5	QPSK	12	13	22.94	23.15	22.95	25.00
5	QPSK	25	0	23.34	23.45	23.30	25.00
5	16QAM	1	0	23.32	23.37	23.29	25.00
5	16QAM	1	12	23.35	23.40	23.31	25.00
5	16QAM	1	24	23.20	23.38	23.14	25.00
5	16QAM	12	0	22.14	22.28	22.16	24.00
5	16QAM	12	7	22.07	22.26	22.15	24.00
5	16QAM	12	13	22.37	22.48	22.27	24.00
5	16QAM	25	0	22.28	22.34	22.21	24.00
5	64QAM	1	0	22.23	22.44	22.37	24.00
5	64QAM	1	12	22.24	22.36	22.27	24.00
5	64QAM	1	24	22.30	22.34	22.24	24.00
5	64QAM	12	0	21.31	21.37	21.27	23.00
5	64QAM	12	7	21.25	21.43	21.26	23.00
5	64QAM	12	13	21.30	21.24	21.21	23.00
5	64QAM	25	0	21.05	21.25	21.06	23.00
5	256QAM	1	0	19.17	19.20	19.11	21.00
5	256QAM	1	12	19.11	19.23	19.00	21.00
5	256QAM	1	24	19.22	19.33	19.24	21.00
5	256QAM	12	0	19.17	19.34	19.35	21.00
5	256QAM	12	7	19.21	19.23	19.03	21.00
5	256QAM	12	13	19.46	19.40	19.36	21.00
5	256QAM	25	0	19.04	19.13	19.05	21.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.31	23.27	23.21	25.00
3	QPSK	1	8	23.12	23.20	23.09	25.00
3	QPSK	1	14	23.20	23.33	23.11	25.00
3	QPSK	8	0	23.26	23.26	23.11	25.00
3	QPSK	8	4	23.05	23.23	23.04	25.00
3	QPSK	8	7	22.98	23.13	22.93	25.00
3	QPSK	15	0	23.32	23.42	23.39	25.00
3	16QAM	1	0	23.37	23.42	23.31	25.00
3	16QAM	1	8	23.33	23.48	23.26	25.00
3	16QAM	1	14	23.29	23.30	23.14	25.00
3	16QAM	8	0	22.22	22.28	22.07	24.00
3	16QAM	8	4	22.05	22.17	22.13	24.00
3	16QAM	8	7	22.32	22.52	22.33	24.00
3	16QAM	15	0	22.32	22.35	22.22	24.00
3	64QAM	1	0	22.29	22.50	22.33	24.00
3	64QAM	1	8	22.31	22.36	22.30	24.00
3	64QAM	1	14	22.40	22.40	22.17	24.00
3	64QAM	8	0	21.23	21.23	21.21	23.00
3	64QAM	8	4	21.27	21.44	21.30	23.00
3	64QAM	8	7	21.29	21.26	21.21	23.00
3	64QAM	15	0	21.18	21.19	21.09	23.00
3	256QAM	1	0	19.12	19.20	19.09	21.00
3	256QAM	1	8	19.12	19.14	18.98	21.00
3	256QAM	1	14	19.14	19.22	19.22	21.00
3	256QAM	8	0	19.26	19.34	19.32	21.00
3	256QAM	8	4	19.12	19.19	19.10	21.00
3	256QAM	8	7	19.45	19.43	19.31	21.00
3	256QAM	15	0	18.99	19.16	19.10	21.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.32	23.30	23.34	25.00
1.4	QPSK	1	3	23.10	23.20	23.05	25.00
1.4	QPSK	1	5	23.15	23.34	23.11	25.00
1.4	QPSK	3	0	23.18	23.34	23.10	25.00
1.4	QPSK	3	1	23.11	23.24	23.04	25.00
1.4	QPSK	3	3	22.93	23.19	22.96	25.00
1.4	QPSK	6	0	23.39	23.48	23.33	25.00
1.4	16QAM	1	0	23.30	23.38	23.28	25.00
1.4	16QAM	1	3	23.28	23.48	23.26	25.00
1.4	16QAM	1	5	23.22	23.37	23.22	25.00
1.4	16QAM	3	0	23.12	23.27	23.06	25.00
1.4	16QAM	3	1	22.99	23.19	23.11	25.00
1.4	16QAM	3	3	23.37	23.39	23.34	25.00
1.4	16QAM	6	0	22.21	22.27	22.14	24.00
1.4	64QAM	1	0	22.34	22.41	22.26	24.00

1.4	64QAM	1	3	22.29	22.39	22.25	24.00
1.4	64QAM	1	5	22.35	22.40	22.21	24.00
1.4	64QAM	3	0	22.28	22.25	22.22	24.00
1.4	64QAM	3	1	22.25	22.42	22.36	24.00
1.4	64QAM	3	3	22.26	22.27	22.18	24.00
1.4	64QAM	6	0	21.13	21.26	21.03	23.00
1.4	256QAM	1	0	19.12	19.26	19.15	21.00
1.4	256QAM	1	3	19.07	19.22	19.07	21.00
1.4	256QAM	1	5	19.23	19.21	19.25	21.00
1.4	256QAM	3	0	19.21	19.32	19.36	21.00
1.4	256QAM	3	1	19.16	19.21	19.10	21.00
1.4	256QAM	3	3	19.47	19.39	19.38	21.00
1.4	256QAM	6	0	19.09	19.23	19.05	21.00

【LTE Band 4_Ant 5_DS14】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.25	23.28	23.26	24.70
20	QPSK	1	49	23.10	23.22	23.11	24.70
20	QPSK	1	99	23.13	23.18	23.14	24.70
20	QPSK	50	0	23.12	23.22	23.13	24.70
20	QPSK	50	24	22.99	23.15	22.99	24.70
20	QPSK	50	50	22.98	23.05	22.92	24.70
20	QPSK	100	0	23.08	23.18	23.03	24.70
20	16QAM	1	0	23.09	23.23	23.17	24.70
20	16QAM	1	49	23.14	23.20	23.03	24.70
20	16QAM	1	99	23.07	23.17	23.05	24.70
20	16QAM	50	0	22.04	22.21	22.11	23.70
20	16QAM	50	24	22.02	22.09	21.99	23.70
20	16QAM	50	50	22.22	22.36	22.20	23.70
20	16QAM	100	0	22.25	22.36	22.24	23.70
20	64QAM	1	0	22.44	22.50	22.45	23.70
20	64QAM	1	49	22.17	22.24	22.09	23.70
20	64QAM	1	99	22.37	22.47	22.44	23.70
20	64QAM	50	0	21.23	21.40	21.30	22.70
20	64QAM	50	24	21.29	21.42	21.33	22.70
20	64QAM	50	50	21.12	21.18	21.07	22.70
20	64QAM	100	0	21.13	21.24	21.13	22.70
20	256QAM	1	0	19.18	19.31	19.25	20.70
20	256QAM	1	49	18.93	19.10	18.99	20.70
20	256QAM	1	99	19.10	19.16	19.00	20.70
20	256QAM	50	0	19.29	19.44	19.34	20.70
20	256QAM	50	24	19.15	19.21	19.13	20.70
20	256QAM	50	50	19.40	19.54	19.39	20.70
20	256QAM	100	0	19.07	19.14	19.01	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.22	23.26	23.18	24.70
15	QPSK	1	37	22.98	23.20	23.04	24.70
15	QPSK	1	74	23.04	23.05	23.12	24.70
15	QPSK	36	0	23.07	23.10	23.06	24.70
15	QPSK	36	20	22.92	23.13	22.92	24.70
15	QPSK	36	39	22.92	22.91	22.89	24.70
15	QPSK	75	0	23.07	23.10	23.01	24.70
15	16QAM	1	0	22.95	23.13	23.05	24.70
15	16QAM	1	37	22.99	23.16	22.88	24.70
15	16QAM	1	74	22.97	23.15	22.94	24.70
15	16QAM	36	0	21.96	22.07	22.00	23.70
15	16QAM	36	20	21.90	22.00	21.91	23.70
15	16QAM	36	39	22.13	22.25	22.13	23.70
15	16QAM	75	0	22.09	22.28	22.17	23.70
15	64QAM	1	0	22.30	22.43	22.37	23.70
15	64QAM	1	37	22.05	22.21	21.95	23.70
15	64QAM	1	74	22.30	22.33	22.43	23.70
15	64QAM	36	0	21.11	21.34	21.16	22.70
15	64QAM	36	20	21.20	21.39	21.18	22.70
15	64QAM	36	39	21.04	21.13	21.00	22.70

15	64QAM	75	0	21.05	21.18	21.03	22.70
15	256QAM	1	0	19.11	19.30	19.22	20.70
15	256QAM	1	37	18.81	19.08	18.93	20.70
15	256QAM	1	74	19.05	19.11	18.88	20.70
15	256QAM	36	0	19.23	19.41	19.30	20.70
15	256QAM	36	20	19.11	19.08	19.00	20.70
15	256QAM	36	39	19.26	19.47	19.33	20.70
15	256QAM	75	0	18.98	19.10	18.97	20.70
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	23.19	23.18	23.13	24.70
10	QPSK	1	25	22.96	23.15	23.05	24.70
10	QPSK	1	49	23.04	23.17	23.09	24.70
10	QPSK	25	0	23.05	23.08	23.04	24.70
10	QPSK	25	12	22.91	23.08	22.85	24.70
10	QPSK	25	25	22.94	22.94	22.84	24.70
10	QPSK	50	0	23.00	23.16	23.01	24.70
10	16QAM	1	0	22.95	23.08	23.16	24.70
10	16QAM	1	25	23.08	23.18	22.90	24.70
10	16QAM	1	49	22.95	23.14	23.00	24.70
10	16QAM	25	0	21.96	22.17	21.96	23.70
10	16QAM	25	12	22.01	22.03	21.92	23.70
10	16QAM	25	25	22.15	22.29	22.06	23.70
10	16QAM	50	0	22.14	22.21	22.22	23.70
10	64QAM	1	0	22.33	22.46	22.39	23.70
10	64QAM	1	25	22.12	22.17	22.03	23.70
10	64QAM	1	49	22.28	22.32	22.39	23.70
10	64QAM	25	0	21.17	21.32	21.27	22.70
10	64QAM	25	12	21.20	21.40	21.18	22.70
10	64QAM	25	25	21.03	21.07	20.95	22.70
10	64QAM	50	0	21.07	21.16	20.99	22.70
10	256QAM	1	0	19.10	19.24	19.17	20.70
10	256QAM	1	25	18.91	19.03	18.95	20.70
10	256QAM	1	49	18.96	19.08	18.93	20.70
10	256QAM	25	0	19.14	19.33	19.24	20.70
10	256QAM	25	12	19.00	19.09	19.05	20.70
10	256QAM	25	25	19.28	19.50	19.25	20.70
10	256QAM	50	0	18.95	19.01	18.96	20.70
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.20	23.23	23.13	24.70
5	QPSK	1	12	23.01	23.13	23.00	24.70
5	QPSK	1	24	23.00	23.13	23.06	24.70
5	QPSK	12	0	23.03	23.10	23.03	24.70
5	QPSK	12	7	22.92	23.11	22.98	24.70
5	QPSK	12	13	22.88	22.97	22.85	24.70
5	QPSK	25	0	22.97	23.16	22.96	24.70
5	16QAM	1	0	22.97	23.11	23.15	24.70
5	16QAM	1	12	23.11	23.05	22.89	24.70
5	16QAM	1	24	22.93	23.12	23.02	24.70
5	16QAM	12	0	21.91	22.06	21.96	23.70
5	16QAM	12	7	21.94	22.06	21.91	23.70
5	16QAM	12	13	22.08	22.23	22.06	23.70
5	16QAM	25	0	22.14	22.22	22.21	23.70
5	64QAM	1	0	22.42	22.44	22.37	23.70
5	64QAM	1	12	22.06	22.19	22.03	23.70
5	64QAM	1	24	22.27	22.39	22.30	23.70
5	64QAM	12	0	21.09	21.33	21.18	22.70
5	64QAM	12	7	21.21	21.40	21.32	22.70
5	64QAM	12	13	21.10	21.09	20.99	22.70
5	64QAM	25	0	20.99	21.13	21.02	22.70
5	256QAM	1	0	19.03	19.19	19.22	20.70
5	256QAM	1	12	18.91	19.03	18.85	20.70
5	256QAM	1	24	19.01	19.13	18.89	20.70
5	256QAM	12	0	19.14	19.40	19.27	20.70
5	256QAM	12	7	19.03	19.11	19.06	20.70
5	256QAM	12	13	19.30	19.49	19.32	20.70
5	256QAM	25	0	19.03	19.04	18.87	20.70
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.17	23.20	23.25	24.70
3	QPSK	1	8	23.04	23.10	23.07	24.70
3	QPSK	1	14	23.06	23.12	23.08	24.70
3	QPSK	8	0	23.09	23.15	23.07	24.70

3	QPSK	8	4	22.98	23.06	22.95	24.70
3	QPSK	8	7	22.85	22.90	22.78	24.70
3	QPSK	15	0	23.02	23.04	22.98	24.70
3	16QAM	1	0	23.05	23.19	23.03	24.70
3	16QAM	1	8	23.10	23.15	22.97	24.70
3	16QAM	1	14	22.93	23.06	22.99	24.70
3	16QAM	8	0	22.02	22.17	22.04	23.70
3	16QAM	8	4	21.99	22.00	21.95	23.70
3	16QAM	8	7	22.07	22.28	22.10	23.70
3	16QAM	15	0	22.16	22.26	22.17	23.70
3	64QAM	1	0	22.42	22.42	22.35	23.70
3	64QAM	1	8	22.10	22.12	22.01	23.70
3	64QAM	1	14	22.27	22.45	22.30	23.70
3	64QAM	8	0	21.18	21.34	21.25	22.70
3	64QAM	8	4	21.25	21.32	21.26	22.70
3	64QAM	8	7	21.00	21.05	20.95	22.70
3	64QAM	15	0	21.01	21.11	20.99	22.70
3	256QAM	1	0	19.10	19.29	19.13	20.70
3	256QAM	1	8	18.80	18.97	18.93	20.70
3	256QAM	1	14	18.98	19.06	18.91	20.70
3	256QAM	8	0	19.21	19.34	19.32	20.70
3	256QAM	8	4	19.01	19.08	19.11	20.70
3	256QAM	8	7	19.27	19.43	19.33	20.70
3	256QAM	15	0	19.04	19.04	18.92	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.20	23.26	23.16	24.70
1.4	QPSK	1	3	23.06	23.15	23.08	24.70
1.4	QPSK	1	5	23.00	23.11	23.12	24.70
1.4	QPSK	3	0	22.98	23.11	23.04	24.70
1.4	QPSK	3	1	22.84	23.04	22.90	24.70
1.4	QPSK	3	3	22.90	22.99	22.88	24.70
1.4	QPSK	6	0	23.07	23.15	22.94	24.70
1.4	16QAM	1	0	22.98	23.14	23.05	24.70
1.4	16QAM	1	3	23.08	23.06	22.93	24.70
1.4	16QAM	1	5	22.95	23.03	23.04	24.70
1.4	16QAM	3	0	22.51	22.68	22.59	24.70
1.4	16QAM	3	1	22.48	22.57	22.43	24.70
1.4	16QAM	3	3	22.66	22.81	22.63	24.70
1.4	16QAM	6	0	22.10	22.27	22.15	23.70
1.4	64QAM	1	0	22.33	22.47	22.43	23.70
1.4	64QAM	1	3	22.12	22.15	21.95	23.70
1.4	64QAM	1	5	22.23	22.32	22.41	23.70
1.4	64QAM	3	0	22.16	22.29	22.16	23.70
1.4	64QAM	3	1	22.21	22.41	22.21	23.70
1.4	64QAM	3	3	22.00	22.04	22.04	23.70
1.4	64QAM	6	0	21.06	21.10	21.08	22.70
1.4	256QAM	1	0	19.11	19.21	19.18	20.70
1.4	256QAM	1	3	18.90	18.96	18.87	20.70
1.4	256QAM	1	5	19.07	19.04	18.85	20.70
1.4	256QAM	3	0	19.15	19.31	19.20	20.70
1.4	256QAM	3	1	19.05	19.14	19.06	20.70
1.4	256QAM	3	3	19.28	19.49	19.37	20.70
1.4	256QAM	6	0	18.94	19.01	18.99	20.70

【LTE Band 4_Ant 5_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.03	15.10	15.08	16.50
20	QPSK	1	49	14.70	14.88	14.85	16.50
20	QPSK	1	99	14.82	15.04	14.94	16.50
20	QPSK	50	0	14.96	15.07	14.92	16.50
20	QPSK	50	24	14.93	15.06	14.97	16.50
20	QPSK	50	50	14.91	15.01	14.86	16.50
20	QPSK	100	0	14.92	15.06	14.90	16.50
20	16QAM	1	0	14.69	14.86	14.74	16.50
20	16QAM	1	49	14.90	15.01	14.92	16.50

20	16QAM	1	99	14.80	15.01	14.91	16.50
20	16QAM	50	0	14.96	15.04	14.98	16.50
20	16QAM	50	24	14.87	15.03	14.88	16.50
20	16QAM	50	50	14.83	14.99	14.83	16.50
20	16QAM	100	0	14.66	14.87	14.75	16.50
20	64QAM	1	0	14.72	14.90	14.81	16.50
20	64QAM	1	49	14.87	14.96	14.87	16.50
20	64QAM	1	99	14.68	14.87	14.73	16.50
20	64QAM	50	0	14.86	14.97	14.88	16.50
20	64QAM	50	24	14.73	14.87	14.79	16.50
20	64QAM	50	50	14.80	14.90	14.86	16.50
20	64QAM	100	0	14.85	14.97	14.87	16.50
20	256QAM	1	0	14.91	15.02	14.95	16.50
20	256QAM	1	49	14.87	15.08	14.96	16.50
20	256QAM	1	99	14.94	15.09	14.92	16.50
20	256QAM	50	0	14.78	14.98	14.92	16.50
20	256QAM	50	24	14.98	15.07	15.01	16.50
20	256QAM	50	50	14.97	15.07	15.01	16.50
20	256QAM	100	0	14.68	14.88	14.77	16.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	14.98	15.02	14.95	16.50
15	QPSK	1	37	14.56	14.77	14.82	16.50
15	QPSK	1	74	14.70	14.99	14.87	16.50
15	QPSK	36	0	14.87	15.05	14.83	16.50
15	QPSK	36	20	14.88	14.98	14.95	16.50
15	QPSK	36	39	14.79	14.96	14.84	16.50
15	QPSK	75	0	14.86	14.98	14.82	16.50
15	16QAM	1	0	14.68	14.76	14.71	16.50
15	16QAM	1	37	14.78	14.92	14.84	16.50
15	16QAM	1	74	14.72	14.99	14.86	16.50
15	16QAM	36	0	14.88	15.00	14.89	16.50
15	16QAM	36	20	14.86	14.95	14.84	16.50
15	16QAM	36	39	14.72	14.95	14.73	16.50
15	16QAM	75	0	14.53	14.82	14.69	16.50
15	64QAM	1	0	14.57	14.77	14.68	16.50
15	64QAM	1	37	14.79	14.95	14.77	16.50
15	64QAM	1	74	14.64	14.81	14.69	16.50
15	64QAM	36	0	14.74	14.91	14.79	16.50
15	64QAM	36	20	14.67	14.82	14.67	16.50
15	64QAM	36	39	14.75	14.82	14.79	16.50
15	64QAM	75	0	14.77	14.89	14.74	16.50
15	256QAM	1	0	14.83	14.91	14.83	16.50
15	256QAM	1	37	14.80	14.95	14.86	16.50
15	256QAM	1	74	14.84	15.00	14.81	16.50
15	256QAM	36	0	14.63	14.83	14.78	16.50
15	256QAM	36	20	14.96	14.93	15.00	16.50
15	256QAM	36	39	14.89	14.97	14.96	16.50
15	256QAM	75	0	14.55	14.81	14.72	16.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	14.91	15.02	14.96	16.50
10	QPSK	1	25	14.57	14.82	14.83	16.50
10	QPSK	1	49	14.75	15.01	14.84	16.50
10	QPSK	25	0	14.94	14.97	14.80	16.50
10	QPSK	25	12	14.80	14.99	14.83	16.50
10	QPSK	25	25	14.76	14.95	14.74	16.50
10	QPSK	50	0	14.85	14.99	14.85	16.50
10	16QAM	1	0	14.65	14.85	14.69	16.50
10	16QAM	1	25	14.76	14.93	14.80	16.50
10	16QAM	1	49	14.73	14.98	14.85	16.50
10	16QAM	25	0	14.94	14.94	14.87	16.50
10	16QAM	25	12	14.83	14.91	14.76	16.50
10	16QAM	25	25	14.72	14.93	14.74	16.50
10	16QAM	50	0	14.52	14.73	14.64	16.50
10	64QAM	1	0	14.67	14.76	14.74	16.50
10	64QAM	1	25	14.84	14.95	14.77	16.50
10	64QAM	1	49	14.66	14.83	14.66	16.50
10	64QAM	25	0	14.85	14.92	14.86	16.50
10	64QAM	25	12	14.60	14.74	14.67	16.50
10	64QAM	25	25	14.74	14.82	14.78	16.50
10	64QAM	50	0	14.79	14.86	14.82	16.50
10	256QAM	1	0	14.77	14.92	14.81	16.50
10	256QAM	1	25	14.77	15.01	14.93	16.50

10	256QAM	1	49	14.83	15.01	14.82	16.50
10	256QAM	25	0	14.75	14.91	14.86	16.50
10	256QAM	25	12	14.84	15.00	14.98	16.50
10	256QAM	25	25	14.86	15.00	14.89	16.50
10	256QAM	50	0	14.57	14.76	14.66	16.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	14.99	15.08	14.97	16.50
5	QPSK	1	12	14.67	14.80	14.71	16.50
5	QPSK	1	24	14.71	14.92	14.80	16.50
5	QPSK	12	0	14.84	15.03	14.89	16.50
5	QPSK	12	7	14.90	14.97	14.89	16.50
5	QPSK	12	13	14.86	14.97	14.79	16.50
5	QPSK	25	0	14.78	14.98	14.85	16.50
5	16QAM	1	0	14.62	14.71	14.62	16.50
5	16QAM	1	12	14.80	14.92	14.90	16.50
5	16QAM	1	24	14.73	14.87	14.81	16.50
5	16QAM	12	0	14.87	14.96	14.96	16.50
5	16QAM	12	7	14.78	14.94	14.78	16.50
5	16QAM	12	13	14.68	14.85	14.79	16.50
5	16QAM	25	0	14.57	14.82	14.71	16.50
5	64QAM	1	0	14.64	14.83	14.79	16.50
5	64QAM	1	12	14.78	14.85	14.81	16.50
5	64QAM	1	24	14.65	14.77	14.62	16.50
5	64QAM	12	0	14.72	14.95	14.83	16.50
5	64QAM	12	7	14.66	14.77	14.78	16.50
5	64QAM	12	13	14.69	14.79	14.80	16.50
5	64QAM	25	0	14.75	14.84	14.83	16.50
5	256QAM	1	0	14.86	14.89	14.83	16.50
5	256QAM	1	12	14.85	14.93	14.86	16.50
5	256QAM	1	24	14.87	14.97	14.84	16.50
5	256QAM	12	0	14.68	14.87	14.80	16.50
5	256QAM	12	7	14.90	14.93	14.98	16.50
5	256QAM	12	13	14.94	14.99	14.89	16.50
5	256QAM	25	0	14.66	14.86	14.63	16.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	14.99	14.98	14.96	16.50
3	QPSK	1	8	14.59	14.77	14.76	16.50
3	QPSK	1	14	14.74	15.01	14.86	16.50
3	QPSK	8	0	14.92	14.94	14.81	16.50
3	QPSK	8	4	14.92	15.04	14.89	16.50
3	QPSK	8	7	14.85	14.95	14.73	16.50
3	QPSK	15	0	14.79	14.96	14.76	16.50
3	16QAM	1	0	14.64	14.83	14.70	16.50
3	16QAM	1	8	14.79	14.98	14.85	16.50
3	16QAM	1	14	14.72	14.88	14.77	16.50
3	16QAM	8	0	14.86	15.01	14.90	16.50
3	16QAM	8	4	14.76	14.89	14.78	16.50
3	16QAM	8	7	14.68	14.94	14.78	16.50
3	16QAM	15	0	14.64	14.79	14.71	16.50
3	64QAM	1	0	14.57	14.81	14.70	16.50
3	64QAM	1	8	14.81	14.93	14.86	16.50
3	64QAM	1	14	14.55	14.85	14.59	16.50
3	64QAM	8	0	14.83	14.93	14.86	16.50
3	64QAM	8	4	14.62	14.76	14.73	16.50
3	64QAM	8	7	14.76	14.76	14.83	16.50
3	64QAM	15	0	14.77	14.84	14.82	16.50
3	256QAM	1	0	14.78	15.00	14.93	16.50
3	256QAM	1	8	14.84	14.96	14.83	16.50
3	256QAM	1	14	14.84	14.99	14.81	16.50
3	256QAM	8	0	14.77	14.86	14.87	16.50
3	256QAM	8	4	14.90	14.98	14.95	16.50
3	256QAM	8	7	14.91	14.98	14.97	16.50
3	256QAM	15	0	14.60	14.84	14.67	16.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	14.92	14.95	15.07	16.50
1.4	QPSK	1	3	14.64	14.83	14.81	16.50
1.4	QPSK	1	5	14.76	14.92	14.91	16.50
1.4	QPSK	3	0	14.83	15.06	14.88	16.50
1.4	QPSK	3	1	14.82	14.91	14.96	16.50
1.4	QPSK	3	3	14.83	14.87	14.78	16.50
1.4	QPSK	6	0	14.89	14.92	14.86	16.50

1.4	16QAM	1	0	14.60	14.81	14.63	16.50
1.4	16QAM	1	3	14.87	14.88	14.83	16.50
1.4	16QAM	1	5	14.78	15.00	14.83	16.50
1.4	16QAM	3	0	14.81	14.94	14.86	16.50
1.4	16QAM	3	1	14.86	15.02	14.80	16.50
1.4	16QAM	3	3	14.80	14.85	14.81	16.50
1.4	16QAM	6	0	14.58	14.77	14.70	16.50
1.4	64QAM	1	0	14.61	14.81	14.79	16.50
1.4	64QAM	1	3	14.81	14.83	14.78	16.50
1.4	64QAM	1	5	14.63	14.81	14.62	16.50
1.4	64QAM	3	0	14.82	14.90	14.79	16.50
1.4	64QAM	3	1	14.61	14.83	14.69	16.50
1.4	64QAM	3	3	14.66	14.79	14.73	16.50
1.4	64QAM	6	0	14.78	14.93	14.78	16.50
1.4	256QAM	1	0	14.85	14.97	14.85	16.50
1.4	256QAM	1	3	14.76	15.06	14.81	16.50
1.4	256QAM	1	5	14.83	14.97	14.78	16.50
1.4	256QAM	3	0	14.66	14.91	14.81	16.50
1.4	256QAM	3	1	14.95	14.97	14.86	16.50
1.4	256QAM	3	3	14.93	14.97	14.94	16.50
1.4	256QAM	6	0	14.62	14.85	14.65	16.50

【LTE Band 4_Ant 5_DSI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.59	15.61	15.57	16.20
20	QPSK	1	49	15.44	15.61	15.49	16.20
20	QPSK	1	99	15.42	15.54	15.46	16.20
20	QPSK	50	0	15.45	15.59	15.45	16.20
20	QPSK	50	24	15.50	15.54	15.38	16.20
20	QPSK	50	50	15.39	15.50	15.36	16.20
20	QPSK	100	0	15.42	15.59	15.54	16.20
20	16QAM	1	0	15.43	15.57	15.44	16.20
20	16QAM	1	49	15.60	15.69	15.61	16.20
20	16QAM	1	99	15.51	15.62	15.43	16.20
20	16QAM	50	0	15.57	15.64	15.49	16.20
20	16QAM	50	24	15.58	15.61	15.51	16.20
20	16QAM	50	50	15.39	15.54	15.42	16.20
20	16QAM	100	0	15.50	15.57	15.47	16.20
20	64QAM	1	0	15.51	15.57	15.43	16.20
20	64QAM	1	49	15.54	15.61	15.48	16.20
20	64QAM	1	99	15.59	15.69	15.63	16.20
20	64QAM	50	0	15.56	15.60	15.50	16.20
20	64QAM	50	24	15.34	15.50	15.33	16.20
20	64QAM	50	50	15.45	15.54	15.38	16.20
20	64QAM	100	0	15.44	15.55	15.48	16.20
20	256QAM	1	0	15.43	15.50	15.40	16.20
20	256QAM	1	49	15.41	15.58	15.45	16.20
20	256QAM	1	99	15.56	15.68	15.63	16.20
20	256QAM	50	0	15.41	15.52	15.47	16.20
20	256QAM	50	24	15.46	15.59	15.49	16.20
20	256QAM	50	50	15.42	15.57	15.39	16.20
20	256QAM	100	0	15.57	15.63	15.59	16.20
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.45	15.51	15.54	16.20
15	QPSK	1	37	15.37	15.49	15.36	16.20
15	QPSK	1	74	15.35	15.47	15.33	16.20
15	QPSK	36	0	15.42	15.44	15.43	16.20
15	QPSK	36	20	15.41	15.50	15.34	16.20
15	QPSK	36	39	15.29	15.37	15.22	16.20
15	QPSK	75	0	15.35	15.49	15.50	16.20
15	16QAM	1	0	15.33	15.46	15.36	16.20
15	16QAM	1	37	15.47	15.56	15.50	16.20
15	16QAM	1	74	15.40	15.54	15.39	16.20
15	16QAM	36	0	15.44	15.61	15.38	16.20
15	16QAM	36	20	15.55	15.57	15.50	16.20

15	16QAM	36	39	15.36	15.51	15.37	16.20
15	16QAM	75	0	15.44	15.46	15.32	16.20
15	64QAM	1	0	15.49	15.49	15.33	16.20
15	64QAM	1	37	15.41	15.48	15.40	16.20
15	64QAM	1	74	15.52	15.65	15.58	16.20
15	64QAM	36	0	15.45	15.46	15.42	16.20
15	64QAM	36	20	15.27	15.46	15.20	16.20
15	64QAM	36	39	15.31	15.45	15.24	16.20
15	64QAM	75	0	15.37	15.46	15.36	16.20
15	256QAM	1	0	15.41	15.43	15.33	16.20
15	256QAM	1	37	15.28	15.47	15.39	16.20
15	256QAM	1	74	15.42	15.61	15.62	16.20
15	256QAM	36	0	15.29	15.49	15.42	16.20
15	256QAM	36	20	15.38	15.45	15.45	16.20
15	256QAM	36	39	15.30	15.50	15.34	16.20
15	256QAM	75	0	15.52	15.58	15.48	16.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.53	15.47	15.53	16.20
10	QPSK	1	25	15.41	15.50	15.39	16.20
10	QPSK	1	49	15.39	15.50	15.45	16.20
10	QPSK	25	0	15.33	15.54	15.39	16.20
10	QPSK	25	12	15.43	15.44	15.26	16.20
10	QPSK	25	25	15.27	15.44	15.33	16.20
10	QPSK	50	0	15.31	15.47	15.44	16.20
10	16QAM	1	0	15.33	15.52	15.37	16.20
10	16QAM	1	25	15.50	15.55	15.55	16.20
10	16QAM	1	49	15.43	15.48	15.42	16.20
10	16QAM	25	0	15.47	15.59	15.46	16.20
10	16QAM	25	12	15.44	15.56	15.41	16.20
10	16QAM	25	25	15.34	15.52	15.38	16.20
10	16QAM	50	0	15.47	15.50	15.34	16.20
10	64QAM	1	0	15.39	15.53	15.32	16.20
10	64QAM	1	25	15.52	15.48	15.33	16.20
10	64QAM	1	49	15.48	15.56	15.59	16.20
10	64QAM	25	0	15.50	15.58	15.37	16.20
10	64QAM	25	12	15.26	15.37	15.25	16.20
10	64QAM	25	25	15.37	15.43	15.34	16.20
10	64QAM	50	0	15.37	15.52	15.34	16.20
10	256QAM	1	0	15.34	15.45	15.30	16.20
10	256QAM	1	25	15.32	15.55	15.39	16.20
10	256QAM	1	49	15.44	15.57	15.55	16.20
10	256QAM	25	0	15.29	15.43	15.34	16.20
10	256QAM	25	12	15.41	15.50	15.44	16.20
10	256QAM	25	25	15.38	15.51	15.29	16.20
10	256QAM	50	0	15.49	15.58	15.47	16.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.47	15.56	15.44	16.20
5	QPSK	1	12	15.40	15.49	15.44	16.20
5	QPSK	1	24	15.41	15.48	15.33	16.20
5	QPSK	12	0	15.32	15.46	15.43	16.20
5	QPSK	12	7	15.44	15.50	15.25	16.20
5	QPSK	12	13	15.26	15.37	15.22	16.20
5	QPSK	25	0	15.31	15.57	15.52	16.20
5	16QAM	1	0	15.40	15.44	15.41	16.20
5	16QAM	1	12	15.53	15.59	15.59	16.20
5	16QAM	1	24	15.40	15.48	15.31	16.20
5	16QAM	12	0	15.51	15.58	15.41	16.20
5	16QAM	12	7	15.54	15.52	15.40	16.20
5	16QAM	12	13	15.35	15.51	15.31	16.20
5	16QAM	25	0	15.44	15.48	15.39	16.20
5	64QAM	1	0	15.43	15.45	15.28	16.20
5	64QAM	1	12	15.40	15.46	15.40	16.20
5	64QAM	1	24	15.46	15.59	15.57	16.20
5	64QAM	12	0	15.54	15.55	15.47	16.20
5	64QAM	12	7	15.31	15.38	15.24	16.20
5	64QAM	12	13	15.44	15.45	15.35	16.20
5	64QAM	25	0	15.36	15.48	15.33	16.20
5	256QAM	1	0	15.41	15.49	15.25	16.20
5	256QAM	1	12	15.36	15.52	15.40	16.20
5	256QAM	1	24	15.43	15.61	15.62	16.20
5	256QAM	12	0	15.39	15.38	15.32	16.20
5	256QAM	12	7	15.34	15.46	15.45	16.20

5	256QAM	12	13	15.34	15.44	15.29	16.20
5	256QAM	25	0	15.47	15.63	15.54	16.20
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.51	15.58	15.50	16.20
3	QPSK	1	8	15.42	15.60	15.47	16.20
3	QPSK	1	14	15.40	15.44	15.44	16.20
3	QPSK	8	0	15.42	15.50	15.37	16.20
3	QPSK	8	4	15.46	15.42	15.27	16.20
3	QPSK	8	7	15.25	15.44	15.23	16.20
3	QPSK	15	0	15.38	15.50	15.52	16.20
3	16QAM	1	0	15.41	15.54	15.39	16.20
3	16QAM	1	8	15.58	15.67	15.52	16.20
3	16QAM	1	14	15.43	15.51	15.31	16.20
3	16QAM	8	0	15.45	15.59	15.41	16.20
3	16QAM	8	4	15.50	15.47	15.47	16.20
3	16QAM	8	7	15.33	15.46	15.38	16.20
3	16QAM	15	0	15.43	15.43	15.37	16.20
3	64QAM	1	0	15.41	15.46	15.40	16.20
3	64QAM	1	8	15.43	15.59	15.38	16.20
3	64QAM	1	14	15.55	15.67	15.48	16.20
3	64QAM	8	0	15.51	15.53	15.48	16.20
3	64QAM	8	4	15.23	15.42	15.25	16.20
3	64QAM	8	7	15.37	15.44	15.29	16.20
3	64QAM	15	0	15.35	15.44	15.41	16.20
3	256QAM	1	0	15.35	15.38	15.37	16.20
3	256QAM	1	8	15.31	15.48	15.39	16.20
3	256QAM	1	14	15.44	15.61	15.57	16.20
3	256QAM	8	0	15.35	15.39	15.35	16.20
3	256QAM	8	4	15.33	15.52	15.42	16.20
3	256QAM	8	7	15.30	15.45	15.26	16.20
3	256QAM	15	0	15.49	15.61	15.47	16.20
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	15.50	15.59	15.49	16.20
1.4	QPSK	1	3	15.30	15.46	15.48	16.20
1.4	QPSK	1	5	15.39	15.41	15.34	16.20
1.4	QPSK	3	0	15.38	15.55	15.38	16.20
1.4	QPSK	3	1	15.38	15.46	15.32	16.20
1.4	QPSK	3	3	15.31	15.36	15.21	16.20
1.4	QPSK	6	0	15.31	15.53	15.45	16.20
1.4	16QAM	1	0	15.38	15.50	15.38	16.20
1.4	16QAM	1	3	15.47	15.63	15.58	16.20
1.4	16QAM	1	5	15.38	15.57	15.33	16.20
1.4	16QAM	3	0	15.54	15.59	15.48	16.20
1.4	16QAM	3	1	15.56	15.50	15.49	16.20
1.4	16QAM	3	3	15.37	15.47	15.38	16.20
1.4	16QAM	6	0	15.42	15.52	15.40	16.20
1.4	64QAM	1	0	15.39	15.46	15.29	16.20
1.4	64QAM	1	3	15.45	15.53	15.43	16.20
1.4	64QAM	1	5	15.51	15.59	15.48	16.20
1.4	64QAM	3	0	15.46	15.51	15.41	16.20
1.4	64QAM	3	1	15.22	15.42	15.23	16.20
1.4	64QAM	3	3	15.40	15.48	15.28	16.20
1.4	64QAM	6	0	15.40	15.47	15.42	16.20
1.4	256QAM	1	0	15.35	15.42	15.31	16.20
1.4	256QAM	1	3	15.28	15.52	15.33	16.20
1.4	256QAM	1	5	15.43	15.63	15.50	16.20
1.4	256QAM	3	0	15.30	15.48	15.45	16.20
1.4	256QAM	3	1	15.42	15.45	15.45	16.20
1.4	256QAM	3	3	15.30	15.47	15.30	16.20
1.4	256QAM	6	0	15.44	15.66	15.46	16.20

【LTE Band 4_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.30	24.34	24.25	25.50
20	QPSK	1	49	24.14	24.26	24.09	25.50
20	QPSK	1	99	24.19	24.33	24.22	25.50
20	QPSK	50	0	23.30	23.35	23.21	24.50
20	QPSK	50	24	23.26	23.34	23.19	24.50
20	QPSK	50	50	23.11	23.28	23.09	24.50
20	QPSK	100	0	23.22	23.37	23.15	24.50
20	16QAM	1	0	23.50	23.66	23.42	24.50
20	16QAM	1	49	23.48	23.55	23.33	24.50
20	16QAM	1	99	23.53	23.62	23.39	24.50
20	16QAM	50	0	22.42	22.47	22.37	23.50
20	16QAM	50	24	22.25	22.43	22.27	23.50
20	16QAM	50	50	22.30	22.39	22.21	23.50
20	16QAM	100	0	22.27	22.41	22.21	23.50
20	64QAM	1	0	22.33	22.46	22.34	23.50
20	64QAM	1	49	22.26	22.43	22.32	23.50
20	64QAM	1	99	22.29	22.42	22.19	23.50
20	64QAM	50	0	21.33	21.39	21.29	22.50
20	64QAM	50	24	21.25	21.42	21.21	22.50
20	64QAM	50	50	21.36	21.48	21.33	22.50
20	64QAM	100	0	21.23	21.41	21.18	22.50
20	256QAM	1	0	19.24	19.34	19.17	20.50
20	256QAM	1	49	19.18	19.35	19.17	20.50
20	256QAM	1	99	19.26	19.40	19.30	20.50
20	256QAM	50	0	19.24	19.37	19.17	20.50
20	256QAM	50	24	19.22	19.39	19.20	20.50
20	256QAM	50	50	19.14	19.23	19.03	20.50
20	256QAM	100	0	19.21	19.30	19.15	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.27	24.25	24.12	25.50
15	QPSK	1	37	24.01	24.19	23.94	25.50
15	QPSK	1	74	24.07	24.25	24.18	25.50
15	QPSK	36	0	23.26	23.30	23.10	24.50
15	QPSK	36	20	23.20	23.28	23.11	24.50
15	QPSK	36	39	22.97	23.16	23.08	24.50
15	QPSK	75	0	23.09	23.29	23.14	24.50
15	16QAM	1	0	23.41	23.53	23.35	24.50
15	16QAM	1	37	23.38	23.54	23.22	24.50
15	16QAM	1	74	23.49	23.59	23.27	24.50
15	16QAM	36	0	22.38	22.33	22.26	23.50
15	16QAM	36	20	22.22	22.37	22.14	23.50
15	16QAM	36	39	22.27	22.26	22.06	23.50
15	16QAM	75	0	22.16	22.30	22.10	23.50
15	64QAM	1	0	22.21	22.32	22.31	23.50
15	64QAM	1	37	22.17	22.37	22.22	23.50
15	64QAM	1	74	22.27	22.39	22.08	23.50
15	64QAM	36	0	21.31	21.28	21.15	22.50
15	64QAM	36	20	21.22	21.40	21.09	22.50
15	64QAM	36	39	21.32	21.38	21.21	22.50
15	64QAM	75	0	21.09	21.37	21.12	22.50
15	256QAM	1	0	19.16	19.28	19.08	20.50
15	256QAM	1	37	19.17	19.29	19.15	20.50
15	256QAM	1	74	19.13	19.33	19.24	20.50
15	256QAM	36	0	19.14	19.30	19.05	20.50
15	256QAM	36	20	19.13	19.31	19.06	20.50
15	256QAM	36	39	19.03	19.16	18.96	20.50
15	256QAM	75	0	19.07	19.20	19.07	20.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.22	24.31	24.15	25.50
10	QPSK	1	25	24.03	24.16	24.08	25.50
10	QPSK	1	49	24.13	24.30	24.15	25.50
10	QPSK	25	0	23.25	23.32	23.15	24.50
10	QPSK	25	12	23.21	23.22	23.14	24.50
10	QPSK	25	25	23.04	23.13	22.98	24.50
10	QPSK	50	0	23.19	23.25	23.05	24.50

10	16QAM	1	0	23.44	23.53	23.38	24.50
10	16QAM	1	25	23.38	23.51	23.19	24.50
10	16QAM	1	49	23.41	23.52	23.25	24.50
10	16QAM	25	0	22.38	22.33	22.31	23.50
10	16QAM	25	12	22.18	22.40	22.13	23.50
10	16QAM	25	25	22.17	22.30	22.18	23.50
10	16QAM	50	0	22.20	22.28	22.13	23.50
10	64QAM	1	0	22.24	22.38	22.24	23.50
10	64QAM	1	25	22.20	22.28	22.20	23.50
10	64QAM	1	49	22.15	22.31	22.14	23.50
10	64QAM	25	0	21.25	21.26	21.26	22.50
10	64QAM	25	12	21.12	21.29	21.15	22.50
10	64QAM	25	25	21.21	21.36	21.20	22.50
10	64QAM	50	0	21.11	21.37	21.11	22.50
10	256QAM	1	0	19.17	19.25	19.05	20.50
10	256QAM	1	25	19.12	19.29	19.07	20.50
10	256QAM	1	49	19.18	19.35	19.17	20.50
10	256QAM	25	0	19.12	19.30	19.14	20.50
10	256QAM	25	12	19.19	19.30	19.06	20.50
10	256QAM	25	25	19.06	19.14	18.90	20.50
10	256QAM	50	0	19.19	19.20	19.00	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.20	24.26	24.10	25.50
5	QPSK	1	12	24.07	24.16	24.08	25.50
5	QPSK	1	24	24.10	24.19	24.11	25.50
5	QPSK	12	0	23.25	23.27	23.14	24.50
5	QPSK	12	7	23.15	23.24	23.18	24.50
5	QPSK	12	13	22.98	23.23	23.05	24.50
5	QPSK	25	0	23.12	23.28	23.10	24.50
5	16QAM	1	0	23.45	23.59	23.40	24.50
5	16QAM	1	12	23.42	23.47	23.19	24.50
5	16QAM	1	24	23.39	23.52	23.31	24.50
5	16QAM	12	0	22.32	22.44	22.26	23.50
5	16QAM	12	7	22.21	22.30	22.24	23.50
5	16QAM	12	13	22.17	22.28	22.16	23.50
5	16QAM	25	0	22.18	22.38	22.17	23.50
5	64QAM	1	0	22.19	22.42	22.22	23.50
5	64QAM	1	12	22.13	22.29	22.29	23.50
5	64QAM	1	24	22.19	22.32	22.14	23.50
5	64QAM	12	0	21.23	21.32	21.26	22.50
5	64QAM	12	7	21.19	21.39	21.16	22.50
5	64QAM	12	13	21.33	21.35	21.30	22.50
5	64QAM	25	0	21.20	21.34	21.12	22.50
5	256QAM	1	0	19.12	19.20	19.10	20.50
5	256QAM	1	12	19.14	19.23	19.03	20.50
5	256QAM	1	24	19.17	19.39	19.26	20.50
5	256QAM	12	0	19.09	19.32	19.11	20.50
5	256QAM	12	7	19.10	19.36	19.08	20.50
5	256QAM	12	13	19.01	19.08	18.94	20.50
5	256QAM	25	0	19.08	19.18	19.01	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.27	24.29	24.20	25.50
3	QPSK	1	8	24.12	24.18	24.05	25.50
3	QPSK	1	14	24.15	24.29	24.07	25.50
3	QPSK	8	0	23.29	23.22	23.14	24.50
3	QPSK	8	4	23.13	23.31	23.17	24.50
3	QPSK	8	7	23.03	23.21	23.02	24.50
3	QPSK	15	0	23.15	23.22	23.04	24.50
3	16QAM	1	0	23.39	23.53	23.36	24.50
3	16QAM	1	8	23.33	23.49	23.29	24.50
3	16QAM	1	14	23.45	23.50	23.30	24.50
3	16QAM	8	0	22.37	22.42	22.35	23.50
3	16QAM	8	4	22.16	22.37	22.22	23.50
3	16QAM	8	7	22.25	22.27	22.12	23.50
3	16QAM	15	0	22.16	22.33	22.09	23.50
3	64QAM	1	0	22.31	22.33	22.19	23.50
3	64QAM	1	8	22.15	22.30	22.26	23.50
3	64QAM	1	14	22.24	22.38	22.05	23.50
3	64QAM	8	0	21.21	21.36	21.18	22.50
3	64QAM	8	4	21.18	21.28	21.08	22.50
3	64QAM	8	7	21.35	21.44	21.27	22.50
3	64QAM	15	0	21.19	21.28	21.12	22.50

3	256QAM	1	0	19.10	19.33	19.07	20.50
3	256QAM	1	8	19.03	19.21	19.12	20.50
3	256QAM	1	14	19.15	19.29	19.16	20.50
3	256QAM	8	0	19.13	19.32	19.10	20.50
3	256QAM	8	4	19.09	19.38	19.16	20.50
3	256QAM	8	7	19.00	19.21	18.99	20.50
3	256QAM	15	0	19.14	19.18	19.02	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.27	24.27	24.16	25.50
1.4	QPSK	1	3	24.04	24.22	24.05	25.50
1.4	QPSK	1	5	24.08	24.30	24.12	25.50
1.4	QPSK	3	0	24.16	24.22	24.19	25.50
1.4	QPSK	3	1	24.20	24.25	24.10	25.50
1.4	QPSK	3	3	24.01	24.19	23.98	25.50
1.4	QPSK	6	0	23.10	23.34	23.10	24.50
1.4	16QAM	1	0	23.43	23.63	23.39	24.50
1.4	16QAM	1	3	23.45	23.44	23.28	24.50
1.4	16QAM	1	5	23.45	23.60	23.29	24.50
1.4	16QAM	3	0	23.30	23.43	23.31	24.50
1.4	16QAM	3	1	23.23	23.41	23.16	24.50
1.4	16QAM	3	3	23.21	23.26	23.10	24.50
1.4	16QAM	6	0	22.25	22.35	22.11	23.50
1.4	64QAM	1	0	22.23	22.33	22.22	23.50
1.4	64QAM	1	3	22.24	22.40	22.28	23.50
1.4	64QAM	1	5	22.27	22.35	22.06	23.50
1.4	64QAM	3	0	22.32	22.38	22.22	23.50
1.4	64QAM	3	1	22.23	22.35	22.13	23.50
1.4	64QAM	3	3	22.33	22.38	22.21	23.50
1.4	64QAM	6	0	21.12	21.40	21.09	22.50
1.4	256QAM	1	0	19.18	19.31	19.15	20.50
1.4	256QAM	1	3	19.09	19.32	19.12	20.50
1.4	256QAM	1	5	19.21	19.34	19.24	20.50
1.4	256QAM	3	0	19.09	19.25	19.05	20.50
1.4	256QAM	3	1	19.14	19.32	19.11	20.50
1.4	256QAM	3	3	19.08	19.16	19.00	20.50
1.4	256QAM	6	0	19.06	19.20	19.03	20.50

【LTE Band 4_Ant 6_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.63	24.65	24.61	25.50
20	QPSK	1	49	24.46	24.61	24.44	25.50
20	QPSK	1	99	24.39	24.53	24.41	25.50
20	QPSK	50	0	23.52	23.68	23.50	24.50
20	QPSK	50	24	23.50	23.66	23.61	24.50
20	QPSK	50	50	23.46	23.62	23.55	24.50
20	QPSK	100	0	23.60	23.64	23.57	24.50
20	16QAM	1	0	23.48	23.61	23.43	24.50
20	16QAM	1	49	23.48	23.55	23.46	24.50
20	16QAM	1	99	23.59	23.68	23.50	24.50
20	16QAM	50	0	22.59	22.73	22.65	23.50
20	16QAM	50	24	22.51	22.57	22.46	23.50
20	16QAM	50	50	22.70	22.73	22.55	23.50
20	16QAM	100	0	22.71	22.77	22.72	23.50
20	64QAM	1	0	22.48	22.65	22.50	23.50
20	64QAM	1	49	22.52	22.65	22.46	23.50
20	64QAM	1	99	22.63	22.71	22.66	23.50
20	64QAM	50	0	21.53	21.64	21.57	22.50
20	64QAM	50	24	21.56	21.59	21.42	22.50
20	64QAM	50	50	21.52	21.58	21.45	22.50
20	64QAM	100	0	21.56	21.65	21.50	22.50
20	256QAM	1	0	19.62	19.73	19.65	20.50
20	256QAM	1	49	19.52	19.65	19.59	20.50
20	256QAM	1	99	19.57	19.66	19.55	20.50
20	256QAM	50	0	19.49	19.56	19.38	20.50
20	256QAM	50	24	19.54	19.58	19.41	20.50

20	256QAM	50	50	19.57	19.70	19.62	20.50
20	256QAM	100	0	19.62	19.70	19.62	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.56	24.57	24.56	25.50
15	QPSK	1	37	24.41	24.55	24.35	25.50
15	QPSK	1	74	24.25	24.46	24.29	25.50
15	QPSK	36	0	23.38	23.63	23.44	24.50
15	QPSK	36	20	23.44	23.54	23.58	24.50
15	QPSK	36	39	23.43	23.50	23.47	24.50
15	QPSK	75	0	23.56	23.56	23.46	24.50
15	16QAM	1	0	23.45	23.52	23.37	24.50
15	16QAM	1	37	23.35	23.47	23.38	24.50
15	16QAM	1	74	23.44	23.65	23.39	24.50
15	16QAM	36	0	22.49	22.65	22.53	23.50
15	16QAM	36	20	22.40	22.43	22.42	23.50
15	16QAM	36	39	22.63	22.61	22.50	23.50
15	16QAM	75	0	22.56	22.67	22.66	23.50
15	64QAM	1	0	22.43	22.58	22.43	23.50
15	64QAM	1	37	22.47	22.58	22.37	23.50
15	64QAM	1	74	22.56	22.70	22.57	23.50
15	64QAM	36	0	21.51	21.62	21.52	22.50
15	64QAM	36	20	21.54	21.58	21.38	22.50
15	64QAM	36	39	21.39	21.56	21.40	22.50
15	64QAM	75	0	21.53	21.54	21.36	22.50
15	256QAM	1	0	19.58	19.59	19.55	20.50
15	256QAM	1	37	19.49	19.57	19.49	20.50
15	256QAM	1	74	19.47	19.57	19.53	20.50
15	256QAM	36	0	19.37	19.49	19.23	20.50
15	256QAM	36	20	19.48	19.54	19.36	20.50
15	256QAM	36	39	19.48	19.69	19.53	20.50
15	256QAM	75	0	19.59	19.61	19.50	20.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.53	24.59	24.59	25.50
10	QPSK	1	25	24.32	24.49	24.42	25.50
10	QPSK	1	49	24.35	24.43	24.35	25.50
10	QPSK	25	0	23.39	23.61	23.45	24.50
10	QPSK	25	12	23.37	23.53	23.53	24.50
10	QPSK	25	25	23.38	23.59	23.41	24.50
10	QPSK	50	0	23.49	23.60	23.43	24.50
10	16QAM	1	0	23.39	23.54	23.36	24.50
10	16QAM	1	25	23.35	23.41	23.38	24.50
10	16QAM	1	49	23.54	23.65	23.38	24.50
10	16QAM	25	0	22.44	22.69	22.55	23.50
10	16QAM	25	12	22.46	22.48	22.31	23.50
10	16QAM	25	25	22.55	22.65	22.44	23.50
10	16QAM	50	0	22.57	22.63	22.67	23.50
10	64QAM	1	0	22.42	22.58	22.48	23.50
10	64QAM	1	25	22.45	22.63	22.38	23.50
10	64QAM	1	49	22.51	22.60	22.56	23.50
10	64QAM	25	0	21.44	21.49	21.51	22.50
10	64QAM	25	12	21.51	21.47	21.38	22.50
10	64QAM	25	25	21.45	21.56	21.31	22.50
10	64QAM	50	0	21.44	21.62	21.48	22.50
10	256QAM	1	0	19.54	19.69	19.58	20.50
10	256QAM	1	25	19.39	19.52	19.53	20.50
10	256QAM	1	49	19.47	19.59	19.50	20.50
10	256QAM	25	0	19.34	19.43	19.29	20.50
10	256QAM	25	12	19.50	19.47	19.38	20.50
10	256QAM	25	25	19.55	19.56	19.56	20.50
10	256QAM	50	0	19.61	19.58	19.55	20.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.50	24.61	24.49	25.50
5	QPSK	1	12	24.36	24.54	24.29	25.50
5	QPSK	1	24	24.38	24.49	24.32	25.50
5	QPSK	12	0	23.37	23.64	23.43	24.50
5	QPSK	12	7	23.40	23.58	23.52	24.50
5	QPSK	12	13	23.31	23.57	23.44	24.50
5	QPSK	25	0	23.59	23.52	23.48	24.50
5	16QAM	1	0	23.39	23.50	23.39	24.50
5	16QAM	1	12	23.43	23.51	23.45	24.50
5	16QAM	1	24	23.44	23.66	23.36	24.50

5	16QAM	12	0	22.53	22.63	22.60	23.50
5	16QAM	12	7	22.40	22.54	22.43	23.50
5	16QAM	12	13	22.66	22.72	22.48	23.50
5	16QAM	25	0	22.67	22.67	22.58	23.50
5	64QAM	1	0	22.34	22.58	22.43	23.50
5	64QAM	1	12	22.42	22.64	22.41	23.50
5	64QAM	1	24	22.58	22.56	22.53	23.50
5	64QAM	12	0	21.40	21.60	21.45	22.50
5	64QAM	12	7	21.45	21.58	21.34	22.50
5	64QAM	12	13	21.37	21.45	21.41	22.50
5	64QAM	25	0	21.41	21.60	21.41	22.50
5	256QAM	1	0	19.55	19.69	19.54	20.50
5	256QAM	1	12	19.44	19.60	19.46	20.50
5	256QAM	1	24	19.51	19.62	19.47	20.50
5	256QAM	12	0	19.35	19.49	19.37	20.50
5	256QAM	12	7	19.44	19.43	19.38	20.50
5	256QAM	12	13	19.53	19.56	19.61	20.50
5	256QAM	25	0	19.55	19.55	19.50	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.59	24.56	24.58	25.50
3	QPSK	1	8	24.35	24.47	24.33	25.50
3	QPSK	1	14	24.37	24.50	24.28	25.50
3	QPSK	8	0	23.48	23.67	23.48	24.50
3	QPSK	8	4	23.40	23.53	23.56	24.50
3	QPSK	8	7	23.42	23.56	23.52	24.50
3	QPSK	15	0	23.57	23.53	23.53	24.50
3	16QAM	1	0	23.44	23.55	23.29	24.50
3	16QAM	1	8	23.36	23.48	23.35	24.50
3	16QAM	1	14	23.54	23.61	23.47	24.50
3	16QAM	8	0	22.57	22.59	22.57	23.50
3	16QAM	8	4	22.37	22.46	22.37	23.50
3	16QAM	8	7	22.58	22.60	22.41	23.50
3	16QAM	15	0	22.61	22.74	22.60	23.50
3	64QAM	1	0	22.42	22.53	22.43	23.50
3	64QAM	1	8	22.48	22.53	22.31	23.50
3	64QAM	1	14	22.56	22.67	22.63	23.50
3	64QAM	8	0	21.51	21.51	21.47	22.50
3	64QAM	8	4	21.42	21.48	21.35	22.50
3	64QAM	8	7	21.45	21.44	21.36	22.50
3	64QAM	15	0	21.47	21.53	21.44	22.50
3	256QAM	1	0	19.54	19.68	19.63	20.50
3	256QAM	1	8	19.40	19.56	19.50	20.50
3	256QAM	1	14	19.45	19.57	19.53	20.50
3	256QAM	8	0	19.42	19.45	19.36	20.50
3	256QAM	8	4	19.43	19.49	19.28	20.50
3	256QAM	8	7	19.55	19.61	19.61	20.50
3	256QAM	15	0	19.58	19.57	19.55	20.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.52	24.59	24.57	25.50
1.4	QPSK	1	3	24.41	24.48	24.34	25.50
1.4	QPSK	1	5	24.29	24.48	24.27	25.50
1.4	QPSK	3	0	24.49	24.63	24.40	25.50
1.4	QPSK	3	1	24.46	24.58	24.60	25.50
1.4	QPSK	3	3	24.33	24.59	24.45	25.50
1.4	QPSK	6	0	23.49	23.53	23.53	24.50
1.4	16QAM	1	0	23.34	23.54	23.31	24.50
1.4	16QAM	1	3	23.41	23.54	23.37	24.50
1.4	16QAM	1	5	23.50	23.62	23.38	24.50
1.4	16QAM	3	0	23.47	23.72	23.50	24.50
1.4	16QAM	3	1	23.42	23.42	23.33	24.50
1.4	16QAM	3	3	23.65	23.59	23.44	24.50
1.4	16QAM	6	0	22.63	22.67	22.65	23.50
1.4	64QAM	1	0	22.43	22.53	22.45	23.50
1.4	64QAM	1	3	22.37	22.61	22.43	23.50
1.4	64QAM	1	5	22.50	22.68	22.60	23.50
1.4	64QAM	3	0	22.46	22.54	22.52	23.50
1.4	64QAM	3	1	22.51	22.52	22.29	23.50
1.4	64QAM	3	3	22.40	22.48	22.40	23.50
1.4	64QAM	6	0	21.51	21.61	21.35	22.50
1.4	256QAM	1	0	19.59	19.63	19.64	20.50
1.4	256QAM	1	3	19.37	19.57	19.49	20.50
1.4	256QAM	1	5	19.51	19.53	19.40	20.50

1.4	256QAM	3	0	19.43	19.55	19.36	20.50
1.4	256QAM	3	1	19.44	19.56	19.27	20.50
1.4	256QAM	3	3	19.43	19.61	19.49	20.50
1.4	256QAM	6	0	19.50	19.62	19.56	20.50

【LTE Band 4_Ant 6_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.30	24.34	24.25	25.50
20	QPSK	1	49	24.14	24.26	24.09	25.50
20	QPSK	1	99	24.19	24.33	24.22	25.50
20	QPSK	50	0	23.30	23.35	23.21	24.50
20	QPSK	50	24	23.26	23.34	23.19	24.50
20	QPSK	50	50	23.11	23.28	23.09	24.50
20	QPSK	100	0	23.22	23.37	23.15	24.50
20	16QAM	1	0	23.50	23.66	23.42	24.50
20	16QAM	1	49	23.48	23.55	23.33	24.50
20	16QAM	1	99	23.53	23.62	23.39	24.50
20	16QAM	50	0	22.42	22.47	22.37	23.50
20	16QAM	50	24	22.25	22.43	22.27	23.50
20	16QAM	50	50	22.30	22.39	22.21	23.50
20	16QAM	100	0	22.27	22.41	22.21	23.50
20	64QAM	1	0	22.33	22.46	22.34	23.50
20	64QAM	1	49	22.26	22.43	22.32	23.50
20	64QAM	1	99	22.29	22.42	22.19	23.50
20	64QAM	50	0	21.33	21.39	21.29	22.50
20	64QAM	50	24	21.25	21.42	21.21	22.50
20	64QAM	50	50	21.36	21.48	21.33	22.50
20	64QAM	100	0	21.23	21.41	21.18	22.50
20	256QAM	1	0	19.24	19.34	19.17	20.50
20	256QAM	1	49	19.18	19.35	19.17	20.50
20	256QAM	1	99	19.26	19.40	19.30	20.50
20	256QAM	50	0	19.24	19.37	19.17	20.50
20	256QAM	50	24	19.22	19.39	19.20	20.50
20	256QAM	50	50	19.14	19.23	19.03	20.50
20	256QAM	100	0	19.21	19.30	19.15	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.27	24.25	24.12	25.50
15	QPSK	1	37	24.01	24.19	23.94	25.50
15	QPSK	1	74	24.07	24.25	24.18	25.50
15	QPSK	36	0	23.26	23.30	23.10	24.50
15	QPSK	36	20	23.20	23.28	23.11	24.50
15	QPSK	36	39	22.97	23.16	23.08	24.50
15	QPSK	75	0	23.09	23.29	23.14	24.50
15	16QAM	1	0	23.41	23.53	23.35	24.50
15	16QAM	1	37	23.38	23.54	23.22	24.50
15	16QAM	1	74	23.49	23.59	23.27	24.50
15	16QAM	36	0	22.38	22.33	22.26	23.50
15	16QAM	36	20	22.22	22.37	22.14	23.50
15	16QAM	36	39	22.27	22.26	22.06	23.50
15	16QAM	75	0	22.16	22.30	22.10	23.50
15	64QAM	1	0	22.21	22.32	22.31	23.50
15	64QAM	1	37	22.17	22.37	22.22	23.50
15	64QAM	1	74	22.27	22.39	22.08	23.50
15	64QAM	36	0	21.31	21.28	21.15	22.50
15	64QAM	36	20	21.22	21.40	21.09	22.50
15	64QAM	36	39	21.32	21.38	21.21	22.50
15	64QAM	75	0	21.09	21.37	21.12	22.50
15	256QAM	1	0	19.16	19.28	19.08	20.50
15	256QAM	1	37	19.17	19.29	19.15	20.50
15	256QAM	1	74	19.13	19.33	19.24	20.50
15	256QAM	36	0	19.14	19.30	19.05	20.50
15	256QAM	36	20	19.13	19.31	19.06	20.50
15	256QAM	36	39	19.03	19.16	18.96	20.50
15	256QAM	75	0	19.07	19.20	19.07	20.50
Channel				20000	20175	20350	Tune-up limit

Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	24.22	24.31	24.15	25.50
10	QPSK	1	25	24.03	24.16	24.08	25.50
10	QPSK	1	49	24.13	24.30	24.15	25.50
10	QPSK	25	0	23.25	23.32	23.15	24.50
10	QPSK	25	12	23.21	23.22	23.14	24.50
10	QPSK	25	25	23.04	23.13	22.98	24.50
10	QPSK	50	0	23.19	23.25	23.05	24.50
10	16QAM	1	0	23.44	23.53	23.38	24.50
10	16QAM	1	25	23.38	23.51	23.19	24.50
10	16QAM	1	49	23.41	23.52	23.25	24.50
10	16QAM	25	0	22.38	22.33	22.31	23.50
10	16QAM	25	12	22.18	22.40	22.13	23.50
10	16QAM	25	25	22.17	22.30	22.18	23.50
10	16QAM	50	0	22.20	22.28	22.13	23.50
10	64QAM	1	0	22.24	22.38	22.24	23.50
10	64QAM	1	25	22.20	22.28	22.20	23.50
10	64QAM	1	49	22.15	22.31	22.14	23.50
10	64QAM	25	0	21.25	21.26	21.26	22.50
10	64QAM	25	12	21.12	21.29	21.15	22.50
10	64QAM	25	25	21.21	21.36	21.20	22.50
10	64QAM	50	0	21.11	21.37	21.11	22.50
10	256QAM	1	0	19.17	19.25	19.05	20.50
10	256QAM	1	25	19.12	19.29	19.07	20.50
10	256QAM	1	49	19.18	19.35	19.17	20.50
10	256QAM	25	0	19.12	19.30	19.14	20.50
10	256QAM	25	12	19.19	19.30	19.06	20.50
10	256QAM	25	25	19.06	19.14	18.90	20.50
10	256QAM	50	0	19.19	19.20	19.00	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.20	24.26	24.10	25.50
5	QPSK	1	12	24.07	24.16	24.08	25.50
5	QPSK	1	24	24.10	24.19	24.11	25.50
5	QPSK	12	0	23.25	23.27	23.14	24.50
5	QPSK	12	7	23.15	23.24	23.18	24.50
5	QPSK	12	13	22.98	23.23	23.05	24.50
5	QPSK	25	0	23.12	23.28	23.10	24.50
5	16QAM	1	0	23.45	23.59	23.40	24.50
5	16QAM	1	12	23.42	23.47	23.19	24.50
5	16QAM	1	24	23.39	23.52	23.31	24.50
5	16QAM	12	0	22.32	22.44	22.26	23.50
5	16QAM	12	7	22.21	22.30	22.24	23.50
5	16QAM	12	13	22.17	22.28	22.16	23.50
5	16QAM	25	0	22.18	22.38	22.17	23.50
5	64QAM	1	0	22.19	22.42	22.22	23.50
5	64QAM	1	12	22.13	22.29	22.29	23.50
5	64QAM	1	24	22.19	22.32	22.14	23.50
5	64QAM	12	0	21.23	21.32	21.26	22.50
5	64QAM	12	7	21.19	21.39	21.16	22.50
5	64QAM	12	13	21.33	21.35	21.30	22.50
5	64QAM	25	0	21.20	21.34	21.12	22.50
5	256QAM	1	0	19.12	19.20	19.10	20.50
5	256QAM	1	12	19.14	19.23	19.03	20.50
5	256QAM	1	24	19.17	19.39	19.26	20.50
5	256QAM	12	0	19.09	19.32	19.11	20.50
5	256QAM	12	7	19.10	19.36	19.08	20.50
5	256QAM	12	13	19.01	19.08	18.94	20.50
5	256QAM	25	0	19.08	19.18	19.01	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.27	24.29	24.20	25.50
3	QPSK	1	8	24.12	24.18	24.05	25.50
3	QPSK	1	14	24.15	24.29	24.07	25.50
3	QPSK	8	0	23.29	23.22	23.14	24.50
3	QPSK	8	4	23.13	23.31	23.17	24.50
3	QPSK	8	7	23.03	23.21	23.02	24.50
3	QPSK	15	0	23.15	23.22	23.04	24.50
3	16QAM	1	0	23.39	23.53	23.36	24.50
3	16QAM	1	8	23.33	23.49	23.29	24.50
3	16QAM	1	14	23.45	23.50	23.30	24.50
3	16QAM	8	0	22.37	22.42	22.35	23.50
3	16QAM	8	4	22.16	22.37	22.22	23.50
3	16QAM	8	7	22.25	22.27	22.12	23.50

3	16QAM	15	0	22.16	22.33	22.09	23.50
3	64QAM	1	0	22.31	22.33	22.19	23.50
3	64QAM	1	8	22.15	22.30	22.26	23.50
3	64QAM	1	14	22.24	22.38	22.05	23.50
3	64QAM	8	0	21.21	21.36	21.18	22.50
3	64QAM	8	4	21.18	21.28	21.08	22.50
3	64QAM	8	7	21.35	21.44	21.27	22.50
3	64QAM	15	0	21.19	21.28	21.12	22.50
3	256QAM	1	0	19.10	19.33	19.07	20.50
3	256QAM	1	8	19.03	19.21	19.12	20.50
3	256QAM	1	14	19.15	19.29	19.16	20.50
3	256QAM	8	0	19.13	19.32	19.10	20.50
3	256QAM	8	4	19.09	19.38	19.16	20.50
3	256QAM	8	7	19.00	19.21	18.99	20.50
3	256QAM	15	0	19.14	19.18	19.02	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.27	24.27	24.16	25.50
1.4	QPSK	1	3	24.04	24.22	24.05	25.50
1.4	QPSK	1	5	24.08	24.30	24.12	25.50
1.4	QPSK	3	0	24.16	24.22	24.19	25.50
1.4	QPSK	3	1	24.20	24.25	24.10	25.50
1.4	QPSK	3	3	24.01	24.19	23.98	25.50
1.4	QPSK	6	0	23.10	23.34	23.10	24.50
1.4	16QAM	1	0	23.43	23.63	23.39	24.50
1.4	16QAM	1	3	23.45	23.44	23.28	24.50
1.4	16QAM	1	5	23.45	23.60	23.29	24.50
1.4	16QAM	3	0	23.30	23.43	23.31	24.50
1.4	16QAM	3	1	23.23	23.41	23.16	24.50
1.4	16QAM	3	3	23.21	23.26	23.10	24.50
1.4	16QAM	6	0	22.25	22.35	22.11	23.50
1.4	64QAM	1	0	22.23	22.33	22.22	23.50
1.4	64QAM	1	3	22.24	22.40	22.28	23.50
1.4	64QAM	1	5	22.27	22.35	22.06	23.50
1.4	64QAM	3	0	22.32	22.38	22.22	23.50
1.4	64QAM	3	1	22.23	22.35	22.13	23.50
1.4	64QAM	3	3	22.33	22.38	22.21	23.50
1.4	64QAM	6	0	21.12	21.40	21.09	22.50
1.4	256QAM	1	0	19.18	19.31	19.15	20.50
1.4	256QAM	1	3	19.09	19.32	19.12	20.50
1.4	256QAM	1	5	19.21	19.34	19.24	20.50
1.4	256QAM	3	0	19.09	19.25	19.05	20.50
1.4	256QAM	3	1	19.14	19.32	19.11	20.50
1.4	256QAM	3	3	19.08	19.16	19.00	20.50
1.4	256QAM	6	0	19.06	19.20	19.03	20.50

【LTE Band 4_Ant 6_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.63	24.65	24.61	25.50
20	QPSK	1	49	24.46	24.61	24.44	25.50
20	QPSK	1	99	24.39	24.53	24.41	25.50
20	QPSK	50	0	23.52	23.68	23.50	24.50
20	QPSK	50	24	23.50	23.66	23.61	24.50
20	QPSK	50	50	23.46	23.62	23.55	24.50
20	QPSK	100	0	23.60	23.64	23.57	24.50
20	16QAM	1	0	23.48	23.61	23.43	24.50
20	16QAM	1	49	23.48	23.55	23.46	24.50
20	16QAM	1	99	23.59	23.68	23.50	24.50
20	16QAM	50	0	22.59	22.73	22.65	23.50
20	16QAM	50	24	22.51	22.57	22.46	23.50
20	16QAM	50	50	22.70	22.73	22.55	23.50
20	16QAM	100	0	22.71	22.77	22.72	23.50
20	64QAM	1	0	22.48	22.65	22.50	23.50
20	64QAM	1	49	22.52	22.65	22.46	23.50
20	64QAM	1	99	22.63	22.71	22.66	23.50
20	64QAM	50	0	21.53	21.64	21.57	22.50

20	64QAM	50	24	21.56	21.59	21.42	22.50
20	64QAM	50	50	21.52	21.58	21.45	22.50
20	64QAM	100	0	21.56	21.65	21.50	22.50
20	256QAM	1	0	19.62	19.73	19.65	20.50
20	256QAM	1	49	19.52	19.65	19.59	20.50
20	256QAM	1	99	19.57	19.66	19.55	20.50
20	256QAM	50	0	19.49	19.56	19.38	20.50
20	256QAM	50	24	19.54	19.58	19.41	20.50
20	256QAM	50	50	19.57	19.70	19.62	20.50
20	256QAM	100	0	19.62	19.70	19.62	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.56	24.57	24.56	25.50
15	QPSK	1	37	24.41	24.55	24.35	25.50
15	QPSK	1	74	24.25	24.46	24.29	25.50
15	QPSK	36	0	23.38	23.63	23.44	24.50
15	QPSK	36	20	23.44	23.54	23.58	24.50
15	QPSK	36	39	23.43	23.50	23.47	24.50
15	QPSK	75	0	23.56	23.56	23.46	24.50
15	16QAM	1	0	23.45	23.52	23.37	24.50
15	16QAM	1	37	23.35	23.47	23.38	24.50
15	16QAM	1	74	23.44	23.65	23.39	24.50
15	16QAM	36	0	22.49	22.65	22.53	23.50
15	16QAM	36	20	22.40	22.43	22.42	23.50
15	16QAM	36	39	22.63	22.61	22.50	23.50
15	16QAM	75	0	22.56	22.67	22.66	23.50
15	64QAM	1	0	22.43	22.58	22.43	23.50
15	64QAM	1	37	22.47	22.58	22.37	23.50
15	64QAM	1	74	22.56	22.70	22.57	23.50
15	64QAM	36	0	21.51	21.62	21.52	22.50
15	64QAM	36	20	21.54	21.58	21.38	22.50
15	64QAM	36	39	21.39	21.56	21.40	22.50
15	64QAM	75	0	21.53	21.54	21.36	22.50
15	256QAM	1	0	19.58	19.59	19.55	20.50
15	256QAM	1	37	19.49	19.57	19.49	20.50
15	256QAM	1	74	19.47	19.57	19.53	20.50
15	256QAM	36	0	19.37	19.49	19.23	20.50
15	256QAM	36	20	19.48	19.54	19.36	20.50
15	256QAM	36	39	19.48	19.69	19.53	20.50
15	256QAM	75	0	19.59	19.61	19.50	20.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.53	24.59	24.59	25.50
10	QPSK	1	25	24.32	24.49	24.42	25.50
10	QPSK	1	49	24.35	24.43	24.35	25.50
10	QPSK	25	0	23.39	23.61	23.45	24.50
10	QPSK	25	12	23.37	23.53	23.53	24.50
10	QPSK	25	25	23.38	23.59	23.41	24.50
10	QPSK	50	0	23.49	23.60	23.43	24.50
10	16QAM	1	0	23.39	23.54	23.36	24.50
10	16QAM	1	25	23.35	23.41	23.38	24.50
10	16QAM	1	49	23.54	23.65	23.38	24.50
10	16QAM	25	0	22.44	22.69	22.55	23.50
10	16QAM	25	12	22.46	22.48	22.31	23.50
10	16QAM	25	25	22.55	22.65	22.44	23.50
10	16QAM	50	0	22.57	22.63	22.67	23.50
10	64QAM	1	0	22.42	22.58	22.48	23.50
10	64QAM	1	25	22.45	22.63	22.38	23.50
10	64QAM	1	49	22.51	22.60	22.56	23.50
10	64QAM	25	0	21.44	21.49	21.51	22.50
10	64QAM	25	12	21.51	21.47	21.38	22.50
10	64QAM	25	25	21.45	21.56	21.31	22.50
10	64QAM	50	0	21.44	21.62	21.48	22.50
10	256QAM	1	0	19.54	19.69	19.58	20.50
10	256QAM	1	25	19.39	19.52	19.53	20.50
10	256QAM	1	49	19.47	19.59	19.50	20.50
10	256QAM	25	0	19.34	19.43	19.29	20.50
10	256QAM	25	12	19.50	19.47	19.38	20.50
10	256QAM	25	25	19.55	19.56	19.56	20.50
10	256QAM	50	0	19.61	19.58	19.55	20.50
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.50	24.61	24.49	25.50
5	QPSK	1	12	24.36	24.54	24.29	25.50

5	QPSK	1	24	24.38	24.49	24.32	25.50
5	QPSK	12	0	23.37	23.64	23.43	24.50
5	QPSK	12	7	23.40	23.58	23.52	24.50
5	QPSK	12	13	23.31	23.57	23.44	24.50
5	QPSK	25	0	23.59	23.52	23.48	24.50
5	16QAM	1	0	23.39	23.50	23.39	24.50
5	16QAM	1	12	23.43	23.51	23.45	24.50
5	16QAM	1	24	23.44	23.66	23.36	24.50
5	16QAM	12	0	22.53	22.63	22.60	23.50
5	16QAM	12	7	22.40	22.54	22.43	23.50
5	16QAM	12	13	22.66	22.72	22.48	23.50
5	16QAM	25	0	22.67	22.67	22.58	23.50
5	64QAM	1	0	22.34	22.58	22.43	23.50
5	64QAM	1	12	22.42	22.64	22.41	23.50
5	64QAM	1	24	22.58	22.56	22.53	23.50
5	64QAM	12	0	21.40	21.60	21.45	22.50
5	64QAM	12	7	21.45	21.58	21.34	22.50
5	64QAM	12	13	21.37	21.45	21.41	22.50
5	64QAM	25	0	21.41	21.60	21.41	22.50
5	256QAM	1	0	19.55	19.69	19.54	20.50
5	256QAM	1	12	19.44	19.60	19.46	20.50
5	256QAM	1	24	19.51	19.62	19.47	20.50
5	256QAM	12	0	19.35	19.49	19.37	20.50
5	256QAM	12	7	19.44	19.43	19.38	20.50
5	256QAM	12	13	19.53	19.56	19.61	20.50
5	256QAM	25	0	19.55	19.55	19.50	20.50
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.59	24.56	24.58	25.50
3	QPSK	1	8	24.35	24.47	24.33	25.50
3	QPSK	1	14	24.37	24.50	24.28	25.50
3	QPSK	8	0	23.48	23.67	23.48	24.50
3	QPSK	8	4	23.40	23.53	23.56	24.50
3	QPSK	8	7	23.42	23.56	23.52	24.50
3	QPSK	15	0	23.57	23.53	23.53	24.50
3	16QAM	1	0	23.44	23.55	23.29	24.50
3	16QAM	1	8	23.36	23.48	23.35	24.50
3	16QAM	1	14	23.54	23.61	23.47	24.50
3	16QAM	8	0	22.57	22.59	22.57	23.50
3	16QAM	8	4	22.37	22.46	22.37	23.50
3	16QAM	8	7	22.58	22.60	22.41	23.50
3	16QAM	15	0	22.61	22.74	22.60	23.50
3	64QAM	1	0	22.42	22.53	22.43	23.50
3	64QAM	1	8	22.48	22.53	22.31	23.50
3	64QAM	1	14	22.56	22.67	22.63	23.50
3	64QAM	8	0	21.51	21.51	21.47	22.50
3	64QAM	8	4	21.42	21.48	21.35	22.50
3	64QAM	8	7	21.45	21.44	21.36	22.50
3	64QAM	15	0	21.47	21.53	21.44	22.50
3	256QAM	1	0	19.54	19.68	19.63	20.50
3	256QAM	1	8	19.40	19.56	19.50	20.50
3	256QAM	1	14	19.45	19.57	19.53	20.50
3	256QAM	8	0	19.42	19.45	19.36	20.50
3	256QAM	8	4	19.43	19.49	19.28	20.50
3	256QAM	8	7	19.55	19.61	19.61	20.50
3	256QAM	15	0	19.58	19.57	19.55	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.52	24.59	24.57	25.50
1.4	QPSK	1	3	24.41	24.48	24.34	25.50
1.4	QPSK	1	5	24.29	24.48	24.27	25.50
1.4	QPSK	3	0	24.49	24.63	24.40	25.50
1.4	QPSK	3	1	24.46	24.58	24.60	25.50
1.4	QPSK	3	3	24.33	24.59	24.45	25.50
1.4	QPSK	6	0	23.49	23.53	23.53	24.50
1.4	16QAM	1	0	23.34	23.54	23.31	24.50
1.4	16QAM	1	3	23.41	23.54	23.37	24.50
1.4	16QAM	1	5	23.50	23.62	23.38	24.50
1.4	16QAM	3	0	23.47	23.72	23.50	24.50
1.4	16QAM	3	1	23.42	23.42	23.33	24.50
1.4	16QAM	3	3	23.65	23.59	23.44	24.50
1.4	16QAM	6	0	22.63	22.67	22.65	23.50
1.4	64QAM	1	0	22.43	22.53	22.45	23.50
1.4	64QAM	1	3	22.37	22.61	22.43	23.50

1.4	64QAM	1	5	22.50	22.68	22.60	23.50
1.4	64QAM	3	0	22.46	22.54	22.52	23.50
1.4	64QAM	3	1	22.51	22.52	22.29	23.50
1.4	64QAM	3	3	22.40	22.48	22.40	23.50
1.4	64QAM	6	0	21.51	21.61	21.35	22.50
1.4	256QAM	1	0	19.59	19.63	19.64	20.50
1.4	256QAM	1	3	19.37	19.57	19.49	20.50
1.4	256QAM	1	5	19.51	19.53	19.40	20.50
1.4	256QAM	3	0	19.43	19.55	19.36	20.50
1.4	256QAM	3	1	19.44	19.56	19.27	20.50
1.4	256QAM	3	3	19.43	19.61	19.49	20.50
1.4	256QAM	6	0	19.50	19.62	19.56	20.50

【LTE Band 4_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.27	18.31	18.29	19.50
20	QPSK	1	49	18.15	18.21	18.04	19.50
20	QPSK	1	99	18.11	18.17	18.00	19.50
20	QPSK	50	0	18.15	18.28	18.19	19.50
20	QPSK	50	24	18.13	18.20	18.09	19.50
20	QPSK	50	50	17.99	18.15	18.11	19.50
20	QPSK	100	0	18.15	18.24	18.17	19.50
20	16QAM	1	0	18.13	18.28	18.23	19.50
20	16QAM	1	49	18.09	18.20	18.05	19.50
20	16QAM	1	99	18.11	18.24	18.18	19.50
20	16QAM	50	0	18.03	18.20	18.08	19.50
20	16QAM	50	24	17.97	18.16	18.12	19.50
20	16QAM	50	50	18.07	18.18	18.03	19.50
20	16QAM	100	0	17.98	18.16	18.11	19.50
20	64QAM	1	0	18.08	18.17	18.08	19.50
20	64QAM	1	49	18.05	18.23	18.09	19.50
20	64QAM	1	99	18.05	18.22	18.08	19.50
20	64QAM	50	0	18.13	18.21	18.16	19.50
20	64QAM	50	24	18.05	18.16	18.00	19.50
20	64QAM	50	50	18.06	18.14	18.05	19.50
20	64QAM	100	0	18.06	18.20	18.09	19.50
20	256QAM	1	0	18.06	18.22	18.07	19.50
20	256QAM	1	49	18.17	18.28	18.21	19.50
20	256QAM	1	99	18.07	18.13	18.02	19.50
20	256QAM	50	0	18.12	18.20	18.03	19.50
20	256QAM	50	24	18.04	18.18	18.13	19.50
20	256QAM	50	50	18.14	18.29	18.21	19.50
20	256QAM	100	0	18.08	18.25	18.09	19.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.24	18.26	18.19	19.50
15	QPSK	1	37	18.09	18.15	17.94	19.50
15	QPSK	1	74	18.08	18.07	17.91	19.50
15	QPSK	36	0	18.11	18.24	18.16	19.50
15	QPSK	36	20	18.01	18.18	17.94	19.50
15	QPSK	36	39	17.86	18.04	18.05	19.50
15	QPSK	75	0	18.12	18.15	18.10	19.50
15	16QAM	1	0	18.01	18.24	18.20	19.50
15	16QAM	1	37	18.04	18.17	17.96	19.50
15	16QAM	1	74	17.96	18.13	18.06	19.50
15	16QAM	36	0	17.94	18.10	18.02	19.50
15	16QAM	36	20	17.95	18.11	18.11	19.50
15	16QAM	36	39	18.06	18.03	17.95	19.50
15	16QAM	75	0	17.83	18.10	18.04	19.50
15	64QAM	1	0	18.06	18.08	17.95	19.50
15	64QAM	1	37	18.03	18.15	18.06	19.50
15	64QAM	1	74	17.95	18.10	18.03	19.50
15	64QAM	36	0	18.03	18.19	18.07	19.50
15	64QAM	36	20	17.96	18.06	17.86	19.50
15	64QAM	36	39	18.01	18.10	17.94	19.50
15	64QAM	75	0	17.94	18.17	18.05	19.50

15	256QAM	1	0	17.95	18.18	18.00	19.50
15	256QAM	1	37	18.15	18.18	18.10	19.50
15	256QAM	1	74	17.97	18.04	17.98	19.50
15	256QAM	36	0	17.99	18.17	17.98	19.50
15	256QAM	36	20	17.92	18.11	17.99	19.50
15	256QAM	36	39	18.08	18.22	18.11	19.50
15	256QAM	75	0	18.01	18.18	18.01	19.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.19	18.23	18.18	19.50
10	QPSK	1	25	18.14	18.15	17.92	19.50
10	QPSK	1	49	18.02	18.04	17.96	19.50
10	QPSK	25	0	18.02	18.17	18.14	19.50
10	QPSK	25	12	18.01	18.09	18.04	19.50
10	QPSK	25	25	17.95	18.05	18.06	19.50
10	QPSK	50	0	18.08	18.18	18.03	19.50
10	16QAM	1	0	18.02	18.19	18.15	19.50
10	16QAM	1	25	18.02	18.17	18.00	19.50
10	16QAM	1	49	18.04	18.12	18.06	19.50
10	16QAM	25	0	17.90	18.10	18.06	19.50
10	16QAM	25	12	17.87	18.14	18.03	19.50
10	16QAM	25	25	17.96	18.05	17.93	19.50
10	16QAM	50	0	17.84	18.08	18.05	19.50
10	64QAM	1	0	18.02	18.14	18.05	19.50
10	64QAM	1	25	18.00	18.11	18.02	19.50
10	64QAM	1	49	17.92	18.10	18.03	19.50
10	64QAM	25	0	18.06	18.16	18.14	19.50
10	64QAM	25	12	17.90	18.08	17.92	19.50
10	64QAM	25	25	17.96	18.10	17.96	19.50
10	64QAM	50	0	17.93	18.17	17.96	19.50
10	256QAM	1	0	18.01	18.19	18.01	19.50
10	256QAM	1	25	18.04	18.19	18.19	19.50
10	256QAM	1	49	17.99	18.12	17.90	19.50
10	256QAM	25	0	17.97	18.16	17.93	19.50
10	256QAM	25	12	17.97	18.16	18.01	19.50
10	256QAM	25	25	18.08	18.15	18.17	19.50
10	256QAM	50	0	18.07	18.14	18.04	19.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.17	18.20	18.15	19.50
5	QPSK	1	12	18.08	18.14	17.96	19.50
5	QPSK	1	24	18.00	18.09	17.98	19.50
5	QPSK	12	0	18.03	18.23	18.09	19.50
5	QPSK	12	7	17.99	18.14	18.05	19.50
5	QPSK	12	13	17.92	18.08	18.04	19.50
5	QPSK	25	0	18.11	18.20	18.06	19.50
5	16QAM	1	0	18.00	18.20	18.11	19.50
5	16QAM	1	12	17.96	18.16	17.92	19.50
5	16QAM	1	24	17.98	18.19	18.04	19.50
5	16QAM	12	0	17.94	18.15	18.07	19.50
5	16QAM	12	7	17.92	18.14	17.98	19.50
5	16QAM	12	13	18.01	18.13	17.94	19.50
5	16QAM	25	0	17.88	18.04	18.10	19.50
5	64QAM	1	0	18.07	18.07	18.06	19.50
5	64QAM	1	12	17.99	18.21	18.08	19.50
5	64QAM	1	24	17.91	18.09	17.95	19.50
5	64QAM	12	0	18.07	18.11	18.11	19.50
5	64QAM	12	7	18.03	18.03	17.92	19.50
5	64QAM	12	13	17.98	18.11	17.91	19.50
5	64QAM	25	0	17.96	18.16	18.01	19.50
5	256QAM	1	0	18.01	18.11	18.04	19.50
5	256QAM	1	12	18.05	18.14	18.11	19.50
5	256QAM	1	24	18.01	17.99	17.98	19.50
5	256QAM	12	0	18.11	18.05	17.94	19.50
5	256QAM	12	7	17.98	18.04	17.99	19.50
5	256QAM	12	13	18.09	18.23	18.19	19.50
5	256QAM	25	0	17.94	18.16	18.01	19.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.20	18.25	18.14	19.50
3	QPSK	1	8	18.05	18.13	18.00	19.50
3	QPSK	1	14	18.07	18.13	17.90	19.50
3	QPSK	8	0	18.03	18.21	18.10	19.50
3	QPSK	8	4	18.00	18.09	17.94	19.50

3	QPSK	8	7	17.90	18.11	18.04	19.50
3	QPSK	15	0	18.10	18.10	18.10	19.50
3	16QAM	1	0	18.09	18.15	18.18	19.50
3	16QAM	1	8	17.96	18.17	17.97	19.50
3	16QAM	1	14	17.98	18.18	18.11	19.50
3	16QAM	8	0	17.89	18.14	18.01	19.50
3	16QAM	8	4	17.95	18.01	17.97	19.50
3	16QAM	8	7	17.97	18.04	17.91	19.50
3	16QAM	15	0	17.95	18.02	18.00	19.50
3	64QAM	1	0	18.01	18.15	17.94	19.50
3	64QAM	1	8	17.91	18.08	18.07	19.50
3	64QAM	1	14	18.03	18.09	18.05	19.50
3	64QAM	8	0	18.11	18.15	18.12	19.50
3	64QAM	8	4	17.96	18.04	17.99	19.50
3	64QAM	8	7	18.02	18.01	18.00	19.50
3	64QAM	15	0	17.91	18.14	17.96	19.50
3	256QAM	1	0	17.99	18.11	18.05	19.50
3	256QAM	1	8	18.03	18.22	18.08	19.50
3	256QAM	1	14	17.93	17.98	17.89	19.50
3	256QAM	8	0	17.99	18.13	18.01	19.50
3	256QAM	8	4	17.96	18.08	18.10	19.50
3	256QAM	8	7	18.05	18.17	18.11	19.50
3	256QAM	15	0	18.00	18.19	18.07	19.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.18	18.28	18.17	19.50
1.4	QPSK	1	3	18.10	18.12	17.99	19.50
1.4	QPSK	1	5	18.03	18.14	17.87	19.50
1.4	QPSK	3	0	18.08	18.16	18.07	19.50
1.4	QPSK	3	1	18.01	18.13	17.97	19.50
1.4	QPSK	3	3	17.94	18.06	17.96	19.50
1.4	QPSK	6	0	18.04	18.12	18.09	19.50
1.4	16QAM	1	0	18.11	18.23	18.15	19.50
1.4	16QAM	1	3	18.02	18.10	18.00	19.50
1.4	16QAM	1	5	18.00	18.18	18.07	19.50
1.4	16QAM	3	0	17.96	18.13	17.94	19.50
1.4	16QAM	3	1	17.95	18.14	18.04	19.50
1.4	16QAM	3	3	17.94	18.04	17.95	19.50
1.4	16QAM	6	0	17.89	18.12	18.07	19.50
1.4	64QAM	1	0	17.96	18.12	17.97	19.50
1.4	64QAM	1	3	17.97	18.13	18.04	19.50
1.4	64QAM	1	5	17.97	18.16	17.96	19.50
1.4	64QAM	3	0	18.08	18.20	18.10	19.50
1.4	64QAM	3	1	17.92	18.13	17.94	19.50
1.4	64QAM	3	3	17.93	18.00	17.95	19.50
1.4	64QAM	6	0	17.97	18.14	18.06	19.50
1.4	256QAM	1	0	18.00	18.09	17.95	19.50
1.4	256QAM	1	3	18.05	18.16	18.16	19.50
1.4	256QAM	1	5	18.00	18.09	17.97	19.50
1.4	256QAM	3	0	18.00	18.10	18.02	19.50
1.4	256QAM	3	1	17.93	18.05	18.01	19.50
1.4	256QAM	3	3	18.02	18.15	18.18	19.50
1.4	256QAM	6	0	17.96	18.18	17.97	19.50

【LTE Band 4_Ant 6_DSI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.60	18.63	18.59	19.00
20	QPSK	1	49	18.55	18.61	18.53	19.00
20	QPSK	1	99	18.52	18.60	18.48	19.00
20	QPSK	50	0	18.52	18.59	18.49	19.00
20	QPSK	50	24	18.43	18.55	18.38	19.00
20	QPSK	50	50	18.43	18.58	18.52	19.00
20	QPSK	100	0	18.51	18.58	18.47	19.00
20	16QAM	1	0	18.55	18.60	18.53	19.00
20	16QAM	1	49	18.55	18.66	18.50	19.00
20	16QAM	1	99	18.45	18.59	18.47	19.00

20	16QAM	50	0	18.39	18.57	18.46	19.00
20	16QAM	50	24	18.51	18.62	18.45	19.00
20	16QAM	50	50	18.62	18.73	18.67	19.00
20	16QAM	100	0	18.57	18.66	18.51	19.00
20	64QAM	1	0	18.63	18.72	18.66	19.00
20	64QAM	1	49	18.54	18.65	18.46	19.00
20	64QAM	1	99	18.65	18.74	18.60	19.00
20	64QAM	50	0	18.44	18.53	18.45	19.00
20	64QAM	50	24	18.60	18.69	18.53	19.00
20	64QAM	50	50	18.48	18.66	18.56	19.00
20	64QAM	100	0	18.47	18.60	18.53	19.00
20	256QAM	1	0	18.58	18.66	18.59	19.00
20	256QAM	1	49	18.65	18.71	18.65	19.00
20	256QAM	1	99	18.56	18.69	18.62	19.00
20	256QAM	50	0	18.52	18.67	18.53	19.00
20	256QAM	50	24	18.60	18.65	18.54	19.00
20	256QAM	50	50	18.67	18.72	18.54	19.00
20	256QAM	100	0	18.58	18.63	18.57	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.58	18.56	18.45	19.00
15	QPSK	1	37	18.45	18.58	18.49	19.00
15	QPSK	1	74	18.50	18.58	18.36	19.00
15	QPSK	36	0	18.47	18.57	18.42	19.00
15	QPSK	36	20	18.31	18.48	18.33	19.00
15	QPSK	36	39	18.32	18.55	18.51	19.00
15	QPSK	75	0	18.49	18.49	18.33	19.00
15	16QAM	1	0	18.53	18.53	18.45	19.00
15	16QAM	1	37	18.40	18.64	18.39	19.00
15	16QAM	1	74	18.44	18.57	18.34	19.00
15	16QAM	36	0	18.25	18.49	18.38	19.00
15	16QAM	36	20	18.38	18.54	18.35	19.00
15	16QAM	36	39	18.48	18.59	18.61	19.00
15	16QAM	75	0	18.51	18.52	18.46	19.00
15	64QAM	1	0	18.54	18.67	18.62	19.00
15	64QAM	1	37	18.44	18.53	18.42	19.00
15	64QAM	1	74	18.51	18.72	18.50	19.00
15	64QAM	36	0	18.40	18.42	18.31	19.00
15	64QAM	36	20	18.50	18.66	18.52	19.00
15	64QAM	36	39	18.43	18.63	18.49	19.00
15	64QAM	75	0	18.42	18.48	18.52	19.00
15	256QAM	1	0	18.46	18.64	18.54	19.00
15	256QAM	1	37	18.61	18.70	18.54	19.00
15	256QAM	1	74	18.53	18.61	18.55	19.00
15	256QAM	36	0	18.47	18.60	18.48	19.00
15	256QAM	36	20	18.55	18.55	18.42	19.00
15	256QAM	36	39	18.60	18.59	18.46	19.00
15	256QAM	75	0	18.56	18.57	18.48	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.46	18.56	18.48	19.00
10	QPSK	1	25	18.46	18.59	18.51	19.00
10	QPSK	1	49	18.48	18.50	18.39	19.00
10	QPSK	25	0	18.39	18.49	18.48	19.00
10	QPSK	25	12	18.42	18.52	18.31	19.00
10	QPSK	25	25	18.33	18.46	18.46	19.00
10	QPSK	50	0	18.49	18.48	18.36	19.00
10	16QAM	1	0	18.46	18.54	18.48	19.00
10	16QAM	1	25	18.54	18.58	18.45	19.00
10	16QAM	1	49	18.31	18.45	18.41	19.00
10	16QAM	25	0	18.34	18.47	18.33	19.00
10	16QAM	25	12	18.42	18.56	18.30	19.00
10	16QAM	25	25	18.48	18.67	18.58	19.00
10	16QAM	50	0	18.46	18.51	18.40	19.00
10	64QAM	1	0	18.52	18.60	18.64	19.00
10	64QAM	1	25	18.49	18.60	18.36	19.00
10	64QAM	1	49	18.57	18.70	18.53	19.00
10	64QAM	25	0	18.31	18.38	18.36	19.00
10	64QAM	25	12	18.57	18.55	18.41	19.00
10	64QAM	25	25	18.45	18.59	18.44	19.00
10	64QAM	50	0	18.32	18.47	18.50	19.00
10	256QAM	1	0	18.45	18.56	18.54	19.00
10	256QAM	1	25	18.59	18.58	18.54	19.00
10	256QAM	1	49	18.51	18.67	18.56	19.00

10	256QAM	25	0	18.46	18.59	18.51	19.00
10	256QAM	25	12	18.48	18.59	18.44	19.00
10	256QAM	25	25	18.57	18.60	18.51	19.00
10	256QAM	50	0	18.45	18.60	18.51	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.59	18.55	18.52	19.00
5	QPSK	1	12	18.51	18.58	18.38	19.00
5	QPSK	1	24	18.41	18.47	18.33	19.00
5	QPSK	12	0	18.44	18.56	18.39	19.00
5	QPSK	12	7	18.28	18.45	18.35	19.00
5	QPSK	12	13	18.32	18.46	18.44	19.00
5	QPSK	25	0	18.49	18.47	18.40	19.00
5	16QAM	1	0	18.51	18.54	18.43	19.00
5	16QAM	1	12	18.47	18.60	18.41	19.00
5	16QAM	1	24	18.39	18.51	18.45	19.00
5	16QAM	12	0	18.27	18.53	18.42	19.00
5	16QAM	12	7	18.43	18.52	18.35	19.00
5	16QAM	12	13	18.49	18.64	18.54	19.00
5	16QAM	25	0	18.55	18.54	18.43	19.00
5	64QAM	1	0	18.61	18.61	18.61	19.00
5	64QAM	1	12	18.47	18.59	18.44	19.00
5	64QAM	1	24	18.64	18.65	18.54	19.00
5	64QAM	12	0	18.42	18.46	18.35	19.00
5	64QAM	12	7	18.52	18.54	18.48	19.00
5	64QAM	12	13	18.37	18.53	18.41	19.00
5	64QAM	25	0	18.33	18.56	18.38	19.00
5	256QAM	1	0	18.46	18.60	18.48	19.00
5	256QAM	1	12	18.57	18.69	18.53	19.00
5	256QAM	1	24	18.53	18.60	18.57	19.00
5	256QAM	12	0	18.48	18.58	18.38	19.00
5	256QAM	12	7	18.47	18.53	18.46	19.00
5	256QAM	12	13	18.52	18.60	18.44	19.00
5	256QAM	25	0	18.55	18.52	18.51	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.45	18.55	18.56	19.00
3	QPSK	1	8	18.51	18.48	18.45	19.00
3	QPSK	1	14	18.47	18.49	18.46	19.00
3	QPSK	8	0	18.39	18.56	18.41	19.00
3	QPSK	8	4	18.41	18.44	18.32	19.00
3	QPSK	8	7	18.34	18.50	18.38	19.00
3	QPSK	15	0	18.37	18.51	18.33	19.00
3	16QAM	1	0	18.53	18.59	18.50	19.00
3	16QAM	1	8	18.48	18.61	18.43	19.00
3	16QAM	1	14	18.43	18.50	18.32	19.00
3	16QAM	8	0	18.36	18.44	18.34	19.00
3	16QAM	8	4	18.45	18.58	18.34	19.00
3	16QAM	8	7	18.53	18.58	18.55	19.00
3	16QAM	15	0	18.53	18.60	18.47	19.00
3	64QAM	1	0	18.51	18.64	18.52	19.00
3	64QAM	1	8	18.48	18.51	18.38	19.00
3	64QAM	1	14	18.63	18.69	18.54	19.00
3	64QAM	8	0	18.31	18.49	18.39	19.00
3	64QAM	8	4	18.52	18.66	18.47	19.00
3	64QAM	8	7	18.36	18.52	18.54	19.00
3	64QAM	15	0	18.36	18.57	18.39	19.00
3	256QAM	1	0	18.49	18.55	18.53	19.00
3	256QAM	1	8	18.58	18.70	18.54	19.00
3	256QAM	1	14	18.45	18.63	18.50	19.00
3	256QAM	8	0	18.44	18.62	18.50	19.00
3	256QAM	8	4	18.55	18.63	18.46	19.00
3	256QAM	8	7	18.60	18.70	18.50	19.00
3	256QAM	15	0	18.54	18.54	18.52	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.52	18.54	18.55	19.00
1.4	QPSK	1	3	18.48	18.55	18.41	19.00
1.4	QPSK	1	5	18.41	18.55	18.37	19.00
1.4	QPSK	3	0	18.39	18.58	18.45	19.00
1.4	QPSK	3	1	18.31	18.41	18.32	19.00
1.4	QPSK	3	3	18.36	18.54	18.41	19.00
1.4	QPSK	6	0	18.49	18.56	18.32	19.00
1.4	16QAM	1	0	18.44	18.48	18.43	19.00

1.4	16QAM	1	3	18.49	18.60	18.43	19.00
1.4	16QAM	1	5	18.40	18.53	18.42	19.00
1.4	16QAM	3	0	18.31	18.43	18.43	19.00
1.4	16QAM	3	1	18.36	18.53	18.39	19.00
1.4	16QAM	3	3	18.56	18.67	18.58	19.00
1.4	16QAM	6	0	18.42	18.55	18.43	19.00
1.4	64QAM	1	0	18.49	18.61	18.64	19.00
1.4	64QAM	1	3	18.48	18.50	18.40	19.00
1.4	64QAM	1	5	18.61	18.67	18.55	19.00
1.4	64QAM	3	0	18.33	18.45	18.41	19.00
1.4	64QAM	3	1	18.55	18.59	18.39	19.00
1.4	64QAM	3	3	18.45	18.61	18.49	19.00
1.4	64QAM	6	0	18.39	18.49	18.51	19.00
1.4	256QAM	1	0	18.53	18.63	18.47	19.00
1.4	256QAM	1	3	18.50	18.70	18.53	19.00
1.4	256QAM	1	5	18.54	18.62	18.58	19.00
1.4	256QAM	3	0	18.38	18.63	18.38	19.00
1.4	256QAM	3	1	18.58	18.52	18.39	19.00
1.4	256QAM	3	3	18.63	18.70	18.49	19.00
1.4	256QAM	6	0	18.46	18.52	18.54	19.00

【LTE Band 4_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.27	18.31	18.29	19.50
20	QPSK	1	49	18.15	18.21	18.04	19.50
20	QPSK	1	99	18.11	18.17	18.00	19.50
20	QPSK	50	0	18.15	18.28	18.19	19.50
20	QPSK	50	24	18.13	18.20	18.09	19.50
20	QPSK	50	50	17.99	18.15	18.11	19.50
20	QPSK	100	0	18.15	18.24	18.17	19.50
20	16QAM	1	0	18.13	18.28	18.23	19.50
20	16QAM	1	49	18.09	18.20	18.05	19.50
20	16QAM	1	99	18.11	18.24	18.18	19.50
20	16QAM	50	0	18.03	18.20	18.08	19.50
20	16QAM	50	24	17.97	18.16	18.12	19.50
20	16QAM	50	50	18.07	18.18	18.03	19.50
20	16QAM	100	0	17.98	18.16	18.11	19.50
20	64QAM	1	0	18.08	18.17	18.08	19.50
20	64QAM	1	49	18.05	18.23	18.09	19.50
20	64QAM	1	99	18.05	18.22	18.08	19.50
20	64QAM	50	0	18.13	18.21	18.16	19.50
20	64QAM	50	24	18.05	18.16	18.00	19.50
20	64QAM	50	50	18.06	18.14	18.05	19.50
20	64QAM	100	0	18.06	18.20	18.09	19.50
20	256QAM	1	0	18.06	18.22	18.07	19.50
20	256QAM	1	49	18.17	18.28	18.21	19.50
20	256QAM	1	99	18.07	18.13	18.02	19.50
20	256QAM	50	0	18.12	18.20	18.03	19.50
20	256QAM	50	24	18.04	18.18	18.13	19.50
20	256QAM	50	50	18.14	18.29	18.21	19.50
20	256QAM	100	0	18.08	18.25	18.09	19.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.24	18.26	18.19	19.50
15	QPSK	1	37	18.09	18.15	17.94	19.50
15	QPSK	1	74	18.08	18.07	17.91	19.50
15	QPSK	36	0	18.11	18.24	18.16	19.50
15	QPSK	36	20	18.01	18.18	17.94	19.50
15	QPSK	36	39	17.86	18.04	18.05	19.50
15	QPSK	75	0	18.12	18.15	18.10	19.50
15	16QAM	1	0	18.01	18.24	18.20	19.50
15	16QAM	1	37	18.04	18.17	17.96	19.50
15	16QAM	1	74	17.96	18.13	18.06	19.50
15	16QAM	36	0	17.94	18.10	18.02	19.50
15	16QAM	36	20	17.95	18.11	18.11	19.50
15	16QAM	36	39	18.06	18.03	17.95	19.50

15	16QAM	75	0	17.83	18.10	18.04	19.50
15	64QAM	1	0	18.06	18.08	17.95	19.50
15	64QAM	1	37	18.03	18.15	18.06	19.50
15	64QAM	1	74	17.95	18.10	18.03	19.50
15	64QAM	36	0	18.03	18.19	18.07	19.50
15	64QAM	36	20	17.96	18.06	17.86	19.50
15	64QAM	36	39	18.01	18.10	17.94	19.50
15	64QAM	75	0	17.94	18.17	18.05	19.50
15	256QAM	1	0	17.95	18.18	18.00	19.50
15	256QAM	1	37	18.15	18.18	18.10	19.50
15	256QAM	1	74	17.97	18.04	17.98	19.50
15	256QAM	36	0	17.99	18.17	17.98	19.50
15	256QAM	36	20	17.92	18.11	17.99	19.50
15	256QAM	36	39	18.08	18.22	18.11	19.50
15	256QAM	75	0	18.01	18.18	18.01	19.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.19	18.23	18.18	19.50
10	QPSK	1	25	18.14	18.15	17.92	19.50
10	QPSK	1	49	18.02	18.04	17.96	19.50
10	QPSK	25	0	18.02	18.17	18.14	19.50
10	QPSK	25	12	18.01	18.09	18.04	19.50
10	QPSK	25	25	17.95	18.05	18.06	19.50
10	QPSK	50	0	18.08	18.18	18.03	19.50
10	16QAM	1	0	18.02	18.19	18.15	19.50
10	16QAM	1	25	18.02	18.17	18.00	19.50
10	16QAM	1	49	18.04	18.12	18.06	19.50
10	16QAM	25	0	17.90	18.10	18.06	19.50
10	16QAM	25	12	17.87	18.14	18.03	19.50
10	16QAM	25	25	17.96	18.05	17.93	19.50
10	16QAM	50	0	17.84	18.08	18.05	19.50
10	64QAM	1	0	18.02	18.14	18.05	19.50
10	64QAM	1	25	18.00	18.11	18.02	19.50
10	64QAM	1	49	17.92	18.10	18.03	19.50
10	64QAM	25	0	18.06	18.16	18.14	19.50
10	64QAM	25	12	17.90	18.08	17.92	19.50
10	64QAM	25	25	17.96	18.10	17.96	19.50
10	64QAM	50	0	17.93	18.17	17.96	19.50
10	256QAM	1	0	18.01	18.19	18.01	19.50
10	256QAM	1	25	18.04	18.19	18.19	19.50
10	256QAM	1	49	17.99	18.12	17.90	19.50
10	256QAM	25	0	17.97	18.16	17.93	19.50
10	256QAM	25	12	17.97	18.16	18.01	19.50
10	256QAM	25	25	18.08	18.15	18.17	19.50
10	256QAM	50	0	18.07	18.14	18.04	19.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.17	18.20	18.15	19.50
5	QPSK	1	12	18.08	18.14	17.96	19.50
5	QPSK	1	24	18.00	18.09	17.98	19.50
5	QPSK	12	0	18.03	18.23	18.09	19.50
5	QPSK	12	7	17.99	18.14	18.05	19.50
5	QPSK	12	13	17.92	18.08	18.04	19.50
5	QPSK	25	0	18.11	18.20	18.06	19.50
5	16QAM	1	0	18.00	18.20	18.11	19.50
5	16QAM	1	12	17.96	18.16	17.92	19.50
5	16QAM	1	24	17.98	18.19	18.04	19.50
5	16QAM	12	0	17.94	18.15	18.07	19.50
5	16QAM	12	7	17.92	18.14	17.98	19.50
5	16QAM	12	13	18.01	18.13	17.94	19.50
5	16QAM	25	0	17.88	18.04	18.10	19.50
5	64QAM	1	0	18.07	18.07	18.06	19.50
5	64QAM	1	12	17.99	18.21	18.08	19.50
5	64QAM	1	24	17.91	18.09	17.95	19.50
5	64QAM	12	0	18.07	18.11	18.11	19.50
5	64QAM	12	7	18.03	18.03	17.92	19.50
5	64QAM	12	13	17.98	18.11	17.91	19.50
5	64QAM	25	0	17.96	18.16	18.01	19.50
5	256QAM	1	0	18.01	18.11	18.04	19.50
5	256QAM	1	12	18.05	18.14	18.11	19.50
5	256QAM	1	24	18.01	17.99	17.98	19.50
5	256QAM	12	0	18.11	18.05	17.94	19.50
5	256QAM	12	7	17.98	18.04	17.99	19.50
5	256QAM	12	13	18.09	18.23	18.19	19.50

5	256QAM	25	0	17.94	18.16	18.01	19.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.20	18.25	18.14	19.50
3	QPSK	1	8	18.05	18.13	18.00	19.50
3	QPSK	1	14	18.07	18.13	17.90	19.50
3	QPSK	8	0	18.03	18.21	18.10	19.50
3	QPSK	8	4	18.00	18.09	17.94	19.50
3	QPSK	8	7	17.90	18.11	18.04	19.50
3	QPSK	15	0	18.10	18.10	18.10	19.50
3	16QAM	1	0	18.09	18.15	18.18	19.50
3	16QAM	1	8	17.96	18.17	17.97	19.50
3	16QAM	1	14	17.98	18.18	18.11	19.50
3	16QAM	8	0	17.89	18.14	18.01	19.50
3	16QAM	8	4	17.95	18.01	17.97	19.50
3	16QAM	8	7	17.97	18.04	17.91	19.50
3	16QAM	15	0	17.95	18.02	18.00	19.50
3	64QAM	1	0	18.01	18.15	17.94	19.50
3	64QAM	1	8	17.91	18.08	18.07	19.50
3	64QAM	1	14	18.03	18.09	18.05	19.50
3	64QAM	8	0	18.11	18.15	18.12	19.50
3	64QAM	8	4	17.96	18.04	17.99	19.50
3	64QAM	8	7	18.02	18.01	18.00	19.50
3	64QAM	15	0	17.91	18.14	17.96	19.50
3	256QAM	1	0	17.99	18.11	18.05	19.50
3	256QAM	1	8	18.03	18.22	18.08	19.50
3	256QAM	1	14	17.93	17.98	17.89	19.50
3	256QAM	8	0	17.99	18.13	18.01	19.50
3	256QAM	8	4	17.96	18.08	18.10	19.50
3	256QAM	8	7	18.05	18.17	18.11	19.50
3	256QAM	15	0	18.00	18.19	18.07	19.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.18	18.28	18.17	19.50
1.4	QPSK	1	3	18.10	18.12	17.99	19.50
1.4	QPSK	1	5	18.03	18.14	17.87	19.50
1.4	QPSK	3	0	18.08	18.16	18.07	19.50
1.4	QPSK	3	1	18.01	18.13	17.97	19.50
1.4	QPSK	3	3	17.94	18.06	17.96	19.50
1.4	QPSK	6	0	18.04	18.12	18.09	19.50
1.4	16QAM	1	0	18.11	18.23	18.15	19.50
1.4	16QAM	1	3	18.02	18.10	18.00	19.50
1.4	16QAM	1	5	18.00	18.18	18.07	19.50
1.4	16QAM	3	0	17.96	18.13	17.94	19.50
1.4	16QAM	3	1	17.95	18.14	18.04	19.50
1.4	16QAM	3	3	17.94	18.04	17.95	19.50
1.4	16QAM	6	0	17.89	18.12	18.07	19.50
1.4	64QAM	1	0	17.96	18.12	17.97	19.50
1.4	64QAM	1	3	17.97	18.13	18.04	19.50
1.4	64QAM	1	5	17.97	18.16	17.96	19.50
1.4	64QAM	3	0	18.08	18.20	18.10	19.50
1.4	64QAM	3	1	17.92	18.13	17.94	19.50
1.4	64QAM	3	3	17.93	18.00	17.95	19.50
1.4	64QAM	6	0	17.97	18.14	18.06	19.50
1.4	256QAM	1	0	18.00	18.09	17.95	19.50
1.4	256QAM	1	3	18.05	18.16	18.16	19.50
1.4	256QAM	1	5	18.00	18.09	17.97	19.50
1.4	256QAM	3	0	18.00	18.10	18.02	19.50
1.4	256QAM	3	1	17.93	18.05	18.01	19.50
1.4	256QAM	3	3	18.02	18.15	18.18	19.50
1.4	256QAM	6	0	17.96	18.18	17.97	19.50

【LTE Band 4_Ant 6_DSI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.60	18.63	18.59	19.00
20	QPSK	1	49	18.55	18.61	18.53	19.00
20	QPSK	1	99	18.52	18.60	18.48	19.00
20	QPSK	50	0	18.52	18.59	18.49	19.00
20	QPSK	50	24	18.43	18.55	18.38	19.00
20	QPSK	50	50	18.43	18.58	18.52	19.00
20	QPSK	100	0	18.51	18.58	18.47	19.00
20	16QAM	1	0	18.55	18.60	18.53	19.00
20	16QAM	1	49	18.55	18.66	18.50	19.00
20	16QAM	1	99	18.45	18.59	18.47	19.00
20	16QAM	50	0	18.39	18.57	18.46	19.00
20	16QAM	50	24	18.51	18.62	18.45	19.00
20	16QAM	50	50	18.62	18.73	18.67	19.00
20	16QAM	100	0	18.57	18.66	18.51	19.00
20	64QAM	1	0	18.63	18.72	18.66	19.00
20	64QAM	1	49	18.54	18.65	18.46	19.00
20	64QAM	1	99	18.65	18.74	18.60	19.00
20	64QAM	50	0	18.44	18.53	18.45	19.00
20	64QAM	50	24	18.60	18.69	18.53	19.00
20	64QAM	50	50	18.48	18.66	18.56	19.00
20	64QAM	100	0	18.47	18.60	18.53	19.00
20	256QAM	1	0	18.58	18.66	18.59	19.00
20	256QAM	1	49	18.65	18.71	18.65	19.00
20	256QAM	1	99	18.56	18.69	18.62	19.00
20	256QAM	50	0	18.52	18.67	18.53	19.00
20	256QAM	50	24	18.60	18.65	18.54	19.00
20	256QAM	50	50	18.67	18.72	18.54	19.00
20	256QAM	100	0	18.58	18.63	18.57	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.58	18.56	18.45	19.00
15	QPSK	1	37	18.45	18.58	18.49	19.00
15	QPSK	1	74	18.50	18.58	18.36	19.00
15	QPSK	36	0	18.47	18.57	18.42	19.00
15	QPSK	36	20	18.31	18.48	18.33	19.00
15	QPSK	36	39	18.32	18.55	18.51	19.00
15	QPSK	75	0	18.49	18.49	18.33	19.00
15	16QAM	1	0	18.53	18.53	18.45	19.00
15	16QAM	1	37	18.40	18.64	18.39	19.00
15	16QAM	1	74	18.44	18.57	18.34	19.00
15	16QAM	36	0	18.25	18.49	18.38	19.00
15	16QAM	36	20	18.38	18.54	18.35	19.00
15	16QAM	36	39	18.48	18.59	18.61	19.00
15	16QAM	75	0	18.51	18.52	18.46	19.00
15	64QAM	1	0	18.54	18.67	18.62	19.00
15	64QAM	1	37	18.44	18.53	18.42	19.00
15	64QAM	1	74	18.51	18.72	18.50	19.00
15	64QAM	36	0	18.40	18.42	18.31	19.00
15	64QAM	36	20	18.50	18.66	18.52	19.00
15	64QAM	36	39	18.43	18.63	18.49	19.00
15	64QAM	75	0	18.42	18.48	18.52	19.00
15	256QAM	1	0	18.46	18.64	18.54	19.00
15	256QAM	1	37	18.61	18.70	18.54	19.00
15	256QAM	1	74	18.53	18.61	18.55	19.00
15	256QAM	36	0	18.47	18.60	18.48	19.00
15	256QAM	36	20	18.55	18.55	18.42	19.00
15	256QAM	36	39	18.60	18.59	18.46	19.00
15	256QAM	75	0	18.56	18.57	18.48	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.46	18.56	18.48	19.00
10	QPSK	1	25	18.46	18.59	18.51	19.00
10	QPSK	1	49	18.48	18.50	18.39	19.00
10	QPSK	25	0	18.39	18.49	18.48	19.00
10	QPSK	25	12	18.42	18.52	18.31	19.00
10	QPSK	25	25	18.33	18.46	18.46	19.00

10	QPSK	50	0	18.49	18.48	18.36	19.00
10	16QAM	1	0	18.46	18.54	18.48	19.00
10	16QAM	1	25	18.54	18.58	18.45	19.00
10	16QAM	1	49	18.31	18.45	18.41	19.00
10	16QAM	25	0	18.34	18.47	18.33	19.00
10	16QAM	25	12	18.42	18.56	18.30	19.00
10	16QAM	25	25	18.48	18.67	18.58	19.00
10	16QAM	50	0	18.46	18.51	18.40	19.00
10	64QAM	1	0	18.52	18.60	18.64	19.00
10	64QAM	1	25	18.49	18.60	18.36	19.00
10	64QAM	1	49	18.57	18.70	18.53	19.00
10	64QAM	25	0	18.31	18.38	18.36	19.00
10	64QAM	25	12	18.57	18.55	18.41	19.00
10	64QAM	25	25	18.45	18.59	18.44	19.00
10	64QAM	50	0	18.32	18.47	18.50	19.00
10	256QAM	1	0	18.45	18.56	18.54	19.00
10	256QAM	1	25	18.59	18.58	18.54	19.00
10	256QAM	1	49	18.51	18.67	18.56	19.00
10	256QAM	25	0	18.46	18.59	18.51	19.00
10	256QAM	25	12	18.48	18.59	18.44	19.00
10	256QAM	25	25	18.57	18.60	18.51	19.00
10	256QAM	50	0	18.45	18.60	18.51	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.59	18.55	18.52	19.00
5	QPSK	1	12	18.51	18.58	18.38	19.00
5	QPSK	1	24	18.41	18.47	18.33	19.00
5	QPSK	12	0	18.44	18.56	18.39	19.00
5	QPSK	12	7	18.28	18.45	18.35	19.00
5	QPSK	12	13	18.32	18.46	18.44	19.00
5	QPSK	25	0	18.49	18.47	18.40	19.00
5	16QAM	1	0	18.51	18.54	18.43	19.00
5	16QAM	1	12	18.47	18.60	18.41	19.00
5	16QAM	1	24	18.39	18.51	18.45	19.00
5	16QAM	12	0	18.27	18.53	18.42	19.00
5	16QAM	12	7	18.43	18.52	18.35	19.00
5	16QAM	12	13	18.49	18.64	18.54	19.00
5	16QAM	25	0	18.55	18.54	18.43	19.00
5	64QAM	1	0	18.61	18.61	18.61	19.00
5	64QAM	1	12	18.47	18.59	18.44	19.00
5	64QAM	1	24	18.64	18.65	18.54	19.00
5	64QAM	12	0	18.42	18.46	18.35	19.00
5	64QAM	12	7	18.52	18.54	18.48	19.00
5	64QAM	12	13	18.37	18.53	18.41	19.00
5	64QAM	25	0	18.33	18.56	18.38	19.00
5	256QAM	1	0	18.46	18.60	18.48	19.00
5	256QAM	1	12	18.57	18.69	18.53	19.00
5	256QAM	1	24	18.53	18.60	18.57	19.00
5	256QAM	12	0	18.48	18.58	18.38	19.00
5	256QAM	12	7	18.47	18.53	18.46	19.00
5	256QAM	12	13	18.52	18.60	18.44	19.00
5	256QAM	25	0	18.55	18.52	18.51	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.45	18.55	18.56	19.00
3	QPSK	1	8	18.51	18.48	18.45	19.00
3	QPSK	1	14	18.47	18.49	18.46	19.00
3	QPSK	8	0	18.39	18.56	18.41	19.00
3	QPSK	8	4	18.41	18.44	18.32	19.00
3	QPSK	8	7	18.34	18.50	18.38	19.00
3	QPSK	15	0	18.37	18.51	18.33	19.00
3	16QAM	1	0	18.53	18.59	18.50	19.00
3	16QAM	1	8	18.48	18.61	18.43	19.00
3	16QAM	1	14	18.43	18.50	18.32	19.00
3	16QAM	8	0	18.36	18.44	18.34	19.00
3	16QAM	8	4	18.45	18.58	18.34	19.00
3	16QAM	8	7	18.53	18.58	18.55	19.00
3	16QAM	15	0	18.53	18.60	18.47	19.00
3	64QAM	1	0	18.51	18.64	18.52	19.00
3	64QAM	1	8	18.48	18.51	18.38	19.00
3	64QAM	1	14	18.63	18.69	18.54	19.00
3	64QAM	8	0	18.31	18.49	18.39	19.00
3	64QAM	8	4	18.52	18.66	18.47	19.00
3	64QAM	8	7	18.36	18.52	18.54	19.00

3	64QAM	15	0	18.36	18.57	18.39	19.00
3	256QAM	1	0	18.49	18.55	18.53	19.00
3	256QAM	1	8	18.58	18.70	18.54	19.00
3	256QAM	1	14	18.45	18.63	18.50	19.00
3	256QAM	8	0	18.44	18.62	18.50	19.00
3	256QAM	8	4	18.55	18.63	18.46	19.00
3	256QAM	8	7	18.60	18.70	18.50	19.00
3	256QAM	15	0	18.54	18.54	18.52	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.52	18.54	18.55	19.00
1.4	QPSK	1	3	18.48	18.55	18.41	19.00
1.4	QPSK	1	5	18.41	18.55	18.37	19.00
1.4	QPSK	3	0	18.39	18.58	18.45	19.00
1.4	QPSK	3	1	18.31	18.41	18.32	19.00
1.4	QPSK	3	3	18.36	18.54	18.41	19.00
1.4	QPSK	6	0	18.49	18.56	18.32	19.00
1.4	16QAM	1	0	18.44	18.48	18.43	19.00
1.4	16QAM	1	3	18.49	18.60	18.43	19.00
1.4	16QAM	1	5	18.40	18.53	18.42	19.00
1.4	16QAM	3	0	18.31	18.43	18.43	19.00
1.4	16QAM	3	1	18.36	18.53	18.39	19.00
1.4	16QAM	3	3	18.56	18.67	18.58	19.00
1.4	16QAM	6	0	18.42	18.55	18.43	19.00
1.4	64QAM	1	0	18.49	18.61	18.64	19.00
1.4	64QAM	1	3	18.48	18.50	18.40	19.00
1.4	64QAM	1	5	18.61	18.67	18.55	19.00
1.4	64QAM	3	0	18.33	18.45	18.41	19.00
1.4	64QAM	3	1	18.55	18.59	18.39	19.00
1.4	64QAM	3	3	18.45	18.61	18.49	19.00
1.4	64QAM	6	0	18.39	18.49	18.51	19.00
1.4	256QAM	1	0	18.53	18.63	18.47	19.00
1.4	256QAM	1	3	18.50	18.70	18.53	19.00
1.4	256QAM	1	5	18.54	18.62	18.58	19.00
1.4	256QAM	3	0	18.38	18.63	18.38	19.00
1.4	256QAM	3	1	18.58	18.52	18.39	19.00
1.4	256QAM	3	3	18.63	18.70	18.49	19.00
1.4	256QAM	6	0	18.46	18.52	18.54	19.00

【LTE Band 4_Ant 6_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.27	18.31	18.29	19.50
20	QPSK	1	49	18.15	18.21	18.04	19.50
20	QPSK	1	99	18.11	18.17	18.00	19.50
20	QPSK	50	0	18.15	18.28	18.19	19.50
20	QPSK	50	24	18.13	18.20	18.09	19.50
20	QPSK	50	50	17.99	18.15	18.11	19.50
20	QPSK	100	0	18.15	18.24	18.17	19.50
20	16QAM	1	0	18.13	18.28	18.23	19.50
20	16QAM	1	49	18.09	18.20	18.05	19.50
20	16QAM	1	99	18.11	18.24	18.18	19.50
20	16QAM	50	0	18.03	18.20	18.08	19.50
20	16QAM	50	24	17.97	18.16	18.12	19.50
20	16QAM	50	50	18.07	18.18	18.03	19.50
20	16QAM	100	0	17.98	18.16	18.11	19.50
20	64QAM	1	0	18.08	18.17	18.08	19.50
20	64QAM	1	49	18.05	18.23	18.09	19.50
20	64QAM	1	99	18.05	18.22	18.08	19.50
20	64QAM	50	0	18.13	18.21	18.16	19.50
20	64QAM	50	24	18.05	18.16	18.00	19.50
20	64QAM	50	50	18.06	18.14	18.05	19.50
20	64QAM	100	0	18.06	18.20	18.09	19.50
20	256QAM	1	0	18.06	18.22	18.07	19.50
20	256QAM	1	49	18.17	18.28	18.21	19.50
20	256QAM	1	99	18.07	18.13	18.02	19.50
20	256QAM	50	0	18.12	18.20	18.03	19.50

20	256QAM	50	24	18.04	18.18	18.13	19.50
20	256QAM	50	50	18.14	18.29	18.21	19.50
20	256QAM	100	0	18.08	18.25	18.09	19.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	18.24	18.26	18.19	19.50
15	QPSK	1	37	18.09	18.15	17.94	19.50
15	QPSK	1	74	18.08	18.07	17.91	19.50
15	QPSK	36	0	18.11	18.24	18.16	19.50
15	QPSK	36	20	18.01	18.18	17.94	19.50
15	QPSK	36	39	17.86	18.04	18.05	19.50
15	QPSK	75	0	18.12	18.15	18.10	19.50
15	16QAM	1	0	18.01	18.24	18.20	19.50
15	16QAM	1	37	18.04	18.17	17.96	19.50
15	16QAM	1	74	17.96	18.13	18.06	19.50
15	16QAM	36	0	17.94	18.10	18.02	19.50
15	16QAM	36	20	17.95	18.11	18.11	19.50
15	16QAM	36	39	18.06	18.03	17.95	19.50
15	16QAM	75	0	17.83	18.10	18.04	19.50
15	64QAM	1	0	18.06	18.08	17.95	19.50
15	64QAM	1	37	18.03	18.15	18.06	19.50
15	64QAM	1	74	17.95	18.10	18.03	19.50
15	64QAM	36	0	18.03	18.19	18.07	19.50
15	64QAM	36	20	17.96	18.06	17.86	19.50
15	64QAM	36	39	18.01	18.10	17.94	19.50
15	64QAM	75	0	17.94	18.17	18.05	19.50
15	256QAM	1	0	17.95	18.18	18.00	19.50
15	256QAM	1	37	18.15	18.18	18.10	19.50
15	256QAM	1	74	17.97	18.04	17.98	19.50
15	256QAM	36	0	17.99	18.17	17.98	19.50
15	256QAM	36	20	17.92	18.11	17.99	19.50
15	256QAM	36	39	18.08	18.22	18.11	19.50
15	256QAM	75	0	18.01	18.18	18.01	19.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.19	18.23	18.18	19.50
10	QPSK	1	25	18.14	18.15	17.92	19.50
10	QPSK	1	49	18.02	18.04	17.96	19.50
10	QPSK	25	0	18.02	18.17	18.14	19.50
10	QPSK	25	12	18.01	18.09	18.04	19.50
10	QPSK	25	25	17.95	18.05	18.06	19.50
10	QPSK	50	0	18.08	18.18	18.03	19.50
10	16QAM	1	0	18.02	18.19	18.15	19.50
10	16QAM	1	25	18.02	18.17	18.00	19.50
10	16QAM	1	49	18.04	18.12	18.06	19.50
10	16QAM	25	0	17.90	18.10	18.06	19.50
10	16QAM	25	12	17.87	18.14	18.03	19.50
10	16QAM	25	25	17.96	18.05	17.93	19.50
10	16QAM	50	0	17.84	18.08	18.05	19.50
10	64QAM	1	0	18.02	18.14	18.05	19.50
10	64QAM	1	25	18.00	18.11	18.02	19.50
10	64QAM	1	49	17.92	18.10	18.03	19.50
10	64QAM	25	0	18.06	18.16	18.14	19.50
10	64QAM	25	12	17.90	18.08	17.92	19.50
10	64QAM	25	25	17.96	18.10	17.96	19.50
10	64QAM	50	0	17.93	18.17	17.96	19.50
10	256QAM	1	0	18.01	18.19	18.01	19.50
10	256QAM	1	25	18.04	18.19	18.19	19.50
10	256QAM	1	49	17.99	18.12	17.90	19.50
10	256QAM	25	0	17.97	18.16	17.93	19.50
10	256QAM	25	12	17.97	18.16	18.01	19.50
10	256QAM	25	25	18.08	18.15	18.17	19.50
10	256QAM	50	0	18.07	18.14	18.04	19.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.17	18.20	18.15	19.50
5	QPSK	1	12	18.08	18.14	17.96	19.50
5	QPSK	1	24	18.00	18.09	17.98	19.50
5	QPSK	12	0	18.03	18.23	18.09	19.50
5	QPSK	12	7	17.99	18.14	18.05	19.50
5	QPSK	12	13	17.92	18.08	18.04	19.50
5	QPSK	25	0	18.11	18.20	18.06	19.50
5	16QAM	1	0	18.00	18.20	18.11	19.50
5	16QAM	1	12	17.96	18.16	17.92	19.50

5	16QAM	1	24	17.98	18.19	18.04	19.50
5	16QAM	12	0	17.94	18.15	18.07	19.50
5	16QAM	12	7	17.92	18.14	17.98	19.50
5	16QAM	12	13	18.01	18.13	17.94	19.50
5	16QAM	25	0	17.88	18.04	18.10	19.50
5	64QAM	1	0	18.07	18.07	18.06	19.50
5	64QAM	1	12	17.99	18.21	18.08	19.50
5	64QAM	1	24	17.91	18.09	17.95	19.50
5	64QAM	12	0	18.07	18.11	18.11	19.50
5	64QAM	12	7	18.03	18.03	17.92	19.50
5	64QAM	12	13	17.98	18.11	17.91	19.50
5	64QAM	25	0	17.96	18.16	18.01	19.50
5	256QAM	1	0	18.01	18.11	18.04	19.50
5	256QAM	1	12	18.05	18.14	18.11	19.50
5	256QAM	1	24	18.01	17.99	17.98	19.50
5	256QAM	12	0	18.11	18.05	17.94	19.50
5	256QAM	12	7	17.98	18.04	17.99	19.50
5	256QAM	12	13	18.09	18.23	18.19	19.50
5	256QAM	25	0	17.94	18.16	18.01	19.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.20	18.25	18.14	19.50
3	QPSK	1	8	18.05	18.13	18.00	19.50
3	QPSK	1	14	18.07	18.13	17.90	19.50
3	QPSK	8	0	18.03	18.21	18.10	19.50
3	QPSK	8	4	18.00	18.09	17.94	19.50
3	QPSK	8	7	17.90	18.11	18.04	19.50
3	QPSK	15	0	18.10	18.10	18.10	19.50
3	16QAM	1	0	18.09	18.15	18.18	19.50
3	16QAM	1	8	17.96	18.17	17.97	19.50
3	16QAM	1	14	17.98	18.18	18.11	19.50
3	16QAM	8	0	17.89	18.14	18.01	19.50
3	16QAM	8	4	17.95	18.01	17.97	19.50
3	16QAM	8	7	17.97	18.04	17.91	19.50
3	16QAM	15	0	17.95	18.02	18.00	19.50
3	64QAM	1	0	18.01	18.15	17.94	19.50
3	64QAM	1	8	17.91	18.08	18.07	19.50
3	64QAM	1	14	18.03	18.09	18.05	19.50
3	64QAM	8	0	18.11	18.15	18.12	19.50
3	64QAM	8	4	17.96	18.04	17.99	19.50
3	64QAM	8	7	18.02	18.01	18.00	19.50
3	64QAM	15	0	17.91	18.14	17.96	19.50
3	256QAM	1	0	17.99	18.11	18.05	19.50
3	256QAM	1	8	18.03	18.22	18.08	19.50
3	256QAM	1	14	17.93	17.98	17.89	19.50
3	256QAM	8	0	17.99	18.13	18.01	19.50
3	256QAM	8	4	17.96	18.08	18.10	19.50
3	256QAM	8	7	18.05	18.17	18.11	19.50
3	256QAM	15	0	18.00	18.19	18.07	19.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.18	18.28	18.17	19.50
1.4	QPSK	1	3	18.10	18.12	17.99	19.50
1.4	QPSK	1	5	18.03	18.14	17.87	19.50
1.4	QPSK	3	0	18.08	18.16	18.07	19.50
1.4	QPSK	3	1	18.01	18.13	17.97	19.50
1.4	QPSK	3	3	17.94	18.06	17.96	19.50
1.4	QPSK	6	0	18.04	18.12	18.09	19.50
1.4	16QAM	1	0	18.11	18.23	18.15	19.50
1.4	16QAM	1	3	18.02	18.10	18.00	19.50
1.4	16QAM	1	5	18.00	18.18	18.07	19.50
1.4	16QAM	3	0	17.96	18.13	17.94	19.50
1.4	16QAM	3	1	17.95	18.14	18.04	19.50
1.4	16QAM	3	3	17.94	18.04	17.95	19.50
1.4	16QAM	6	0	17.89	18.12	18.07	19.50
1.4	64QAM	1	0	17.96	18.12	17.97	19.50
1.4	64QAM	1	3	17.97	18.13	18.04	19.50
1.4	64QAM	1	5	17.97	18.16	17.96	19.50
1.4	64QAM	3	0	18.08	18.20	18.10	19.50
1.4	64QAM	3	1	17.92	18.13	17.94	19.50
1.4	64QAM	3	3	17.93	18.00	17.95	19.50
1.4	64QAM	6	0	17.97	18.14	18.06	19.50
1.4	256QAM	1	0	18.00	18.09	17.95	19.50
1.4	256QAM	1	3	18.05	18.16	18.16	19.50

1.4	256QAM	1	5	18.00	18.09	17.97	19.50
1.4	256QAM	3	0	18.00	18.10	18.02	19.50
1.4	256QAM	3	1	17.93	18.05	18.01	19.50
1.4	256QAM	3	3	18.02	18.15	18.18	19.50
1.4	256QAM	6	0	17.96	18.18	17.97	19.50

【LTE Band 4_Ant 6_DSI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.60	18.63	18.59	19.00
20	QPSK	1	49	18.55	18.61	18.53	19.00
20	QPSK	1	99	18.52	18.60	18.48	19.00
20	QPSK	50	0	18.52	18.59	18.49	19.00
20	QPSK	50	24	18.43	18.55	18.38	19.00
20	QPSK	50	50	18.43	18.58	18.52	19.00
20	QPSK	100	0	18.51	18.58	18.47	19.00
20	16QAM	1	0	18.55	18.60	18.53	19.00
20	16QAM	1	49	18.55	18.66	18.50	19.00
20	16QAM	1	99	18.45	18.59	18.47	19.00
20	16QAM	50	0	18.39	18.57	18.46	19.00
20	16QAM	50	24	18.51	18.62	18.45	19.00
20	16QAM	50	50	18.62	18.73	18.67	19.00
20	16QAM	100	0	18.57	18.66	18.51	19.00
20	64QAM	1	0	18.63	18.72	18.66	19.00
20	64QAM	1	49	18.54	18.65	18.46	19.00
20	64QAM	1	99	18.65	18.74	18.60	19.00
20	64QAM	50	0	18.44	18.53	18.45	19.00
20	64QAM	50	24	18.60	18.69	18.53	19.00
20	64QAM	50	50	18.48	18.66	18.56	19.00
20	64QAM	100	0	18.47	18.60	18.53	19.00
20	256QAM	1	0	18.58	18.66	18.59	19.00
20	256QAM	1	49	18.65	18.71	18.65	19.00
20	256QAM	1	99	18.56	18.69	18.62	19.00
20	256QAM	50	0	18.52	18.67	18.53	19.00
20	256QAM	50	24	18.60	18.65	18.54	19.00
20	256QAM	50	50	18.67	18.72	18.54	19.00
20	256QAM	100	0	18.58	18.63	18.57	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.58	18.56	18.45	19.00
15	QPSK	1	37	18.45	18.58	18.49	19.00
15	QPSK	1	74	18.50	18.58	18.36	19.00
15	QPSK	36	0	18.47	18.57	18.42	19.00
15	QPSK	36	20	18.31	18.48	18.33	19.00
15	QPSK	36	39	18.32	18.55	18.51	19.00
15	QPSK	75	0	18.49	18.49	18.33	19.00
15	16QAM	1	0	18.53	18.53	18.45	19.00
15	16QAM	1	37	18.40	18.64	18.39	19.00
15	16QAM	1	74	18.44	18.57	18.34	19.00
15	16QAM	36	0	18.25	18.49	18.38	19.00
15	16QAM	36	20	18.38	18.54	18.35	19.00
15	16QAM	36	39	18.48	18.59	18.61	19.00
15	16QAM	75	0	18.51	18.52	18.46	19.00
15	64QAM	1	0	18.54	18.67	18.62	19.00
15	64QAM	1	37	18.44	18.53	18.42	19.00
15	64QAM	1	74	18.51	18.72	18.50	19.00
15	64QAM	36	0	18.40	18.42	18.31	19.00
15	64QAM	36	20	18.50	18.66	18.52	19.00
15	64QAM	36	39	18.43	18.63	18.49	19.00
15	64QAM	75	0	18.42	18.48	18.52	19.00
15	256QAM	1	0	18.46	18.64	18.54	19.00
15	256QAM	1	37	18.61	18.70	18.54	19.00
15	256QAM	1	74	18.53	18.61	18.55	19.00
15	256QAM	36	0	18.47	18.60	18.48	19.00
15	256QAM	36	20	18.55	18.55	18.42	19.00
15	256QAM	36	39	18.60	18.59	18.46	19.00
15	256QAM	75	0	18.56	18.57	18.48	19.00

Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.46	18.56	18.48	19.00
10	QPSK	1	25	18.46	18.59	18.51	19.00
10	QPSK	1	49	18.48	18.50	18.39	19.00
10	QPSK	25	0	18.39	18.49	18.48	19.00
10	QPSK	25	12	18.42	18.52	18.31	19.00
10	QPSK	25	25	18.33	18.46	18.46	19.00
10	QPSK	50	0	18.49	18.48	18.36	19.00
10	16QAM	1	0	18.46	18.54	18.48	19.00
10	16QAM	1	25	18.54	18.58	18.45	19.00
10	16QAM	1	49	18.31	18.45	18.41	19.00
10	16QAM	25	0	18.34	18.47	18.33	19.00
10	16QAM	25	12	18.42	18.56	18.30	19.00
10	16QAM	25	25	18.48	18.67	18.58	19.00
10	16QAM	50	0	18.46	18.51	18.40	19.00
10	64QAM	1	0	18.52	18.60	18.64	19.00
10	64QAM	1	25	18.49	18.60	18.36	19.00
10	64QAM	1	49	18.57	18.70	18.53	19.00
10	64QAM	25	0	18.31	18.38	18.36	19.00
10	64QAM	25	12	18.57	18.55	18.41	19.00
10	64QAM	25	25	18.45	18.59	18.44	19.00
10	64QAM	50	0	18.32	18.47	18.50	19.00
10	256QAM	1	0	18.45	18.56	18.54	19.00
10	256QAM	1	25	18.59	18.58	18.54	19.00
10	256QAM	1	49	18.51	18.67	18.56	19.00
10	256QAM	25	0	18.46	18.59	18.51	19.00
10	256QAM	25	12	18.48	18.59	18.44	19.00
10	256QAM	25	25	18.57	18.60	18.51	19.00
10	256QAM	50	0	18.45	18.60	18.51	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.59	18.55	18.52	19.00
5	QPSK	1	12	18.51	18.58	18.38	19.00
5	QPSK	1	24	18.41	18.47	18.33	19.00
5	QPSK	12	0	18.44	18.56	18.39	19.00
5	QPSK	12	7	18.28	18.45	18.35	19.00
5	QPSK	12	13	18.32	18.46	18.44	19.00
5	QPSK	25	0	18.49	18.47	18.40	19.00
5	16QAM	1	0	18.51	18.54	18.43	19.00
5	16QAM	1	12	18.47	18.60	18.41	19.00
5	16QAM	1	24	18.39	18.51	18.45	19.00
5	16QAM	12	0	18.27	18.53	18.42	19.00
5	16QAM	12	7	18.43	18.52	18.35	19.00
5	16QAM	12	13	18.49	18.64	18.54	19.00
5	16QAM	25	0	18.55	18.54	18.43	19.00
5	64QAM	1	0	18.61	18.61	18.61	19.00
5	64QAM	1	12	18.47	18.59	18.44	19.00
5	64QAM	1	24	18.64	18.65	18.54	19.00
5	64QAM	12	0	18.42	18.46	18.35	19.00
5	64QAM	12	7	18.52	18.54	18.48	19.00
5	64QAM	12	13	18.37	18.53	18.41	19.00
5	64QAM	25	0	18.33	18.56	18.38	19.00
5	256QAM	1	0	18.46	18.60	18.48	19.00
5	256QAM	1	12	18.57	18.69	18.53	19.00
5	256QAM	1	24	18.53	18.60	18.57	19.00
5	256QAM	12	0	18.48	18.58	18.38	19.00
5	256QAM	12	7	18.47	18.53	18.46	19.00
5	256QAM	12	13	18.52	18.60	18.44	19.00
5	256QAM	25	0	18.55	18.52	18.51	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.45	18.55	18.56	19.00
3	QPSK	1	8	18.51	18.48	18.45	19.00
3	QPSK	1	14	18.47	18.49	18.46	19.00
3	QPSK	8	0	18.39	18.56	18.41	19.00
3	QPSK	8	4	18.41	18.44	18.32	19.00
3	QPSK	8	7	18.34	18.50	18.38	19.00
3	QPSK	15	0	18.37	18.51	18.33	19.00
3	16QAM	1	0	18.53	18.59	18.50	19.00
3	16QAM	1	8	18.48	18.61	18.43	19.00
3	16QAM	1	14	18.43	18.50	18.32	19.00
3	16QAM	8	0	18.36	18.44	18.34	19.00
3	16QAM	8	4	18.45	18.58	18.34	19.00

3	16QAM	8	7	18.53	18.58	18.55	19.00
3	16QAM	15	0	18.53	18.60	18.47	19.00
3	64QAM	1	0	18.51	18.64	18.52	19.00
3	64QAM	1	8	18.48	18.51	18.38	19.00
3	64QAM	1	14	18.63	18.69	18.54	19.00
3	64QAM	8	0	18.31	18.49	18.39	19.00
3	64QAM	8	4	18.52	18.66	18.47	19.00
3	64QAM	8	7	18.36	18.52	18.54	19.00
3	64QAM	15	0	18.36	18.57	18.39	19.00
3	256QAM	1	0	18.49	18.55	18.53	19.00
3	256QAM	1	8	18.58	18.70	18.54	19.00
3	256QAM	1	14	18.45	18.63	18.50	19.00
3	256QAM	8	0	18.44	18.62	18.50	19.00
3	256QAM	8	4	18.55	18.63	18.46	19.00
3	256QAM	8	7	18.60	18.70	18.50	19.00
3	256QAM	15	0	18.54	18.54	18.52	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.52	18.54	18.55	19.00
1.4	QPSK	1	3	18.48	18.55	18.41	19.00
1.4	QPSK	1	5	18.41	18.55	18.37	19.00
1.4	QPSK	3	0	18.39	18.58	18.45	19.00
1.4	QPSK	3	1	18.31	18.41	18.32	19.00
1.4	QPSK	3	3	18.36	18.54	18.41	19.00
1.4	QPSK	6	0	18.49	18.56	18.32	19.00
1.4	16QAM	1	0	18.44	18.48	18.43	19.00
1.4	16QAM	1	3	18.49	18.60	18.43	19.00
1.4	16QAM	1	5	18.40	18.53	18.42	19.00
1.4	16QAM	3	0	18.31	18.43	18.43	19.00
1.4	16QAM	3	1	18.36	18.53	18.39	19.00
1.4	16QAM	3	3	18.56	18.67	18.58	19.00
1.4	16QAM	6	0	18.42	18.55	18.43	19.00
1.4	64QAM	1	0	18.49	18.61	18.64	19.00
1.4	64QAM	1	3	18.48	18.50	18.40	19.00
1.4	64QAM	1	5	18.61	18.67	18.55	19.00
1.4	64QAM	3	0	18.33	18.45	18.41	19.00
1.4	64QAM	3	1	18.55	18.59	18.39	19.00
1.4	64QAM	3	3	18.45	18.61	18.49	19.00
1.4	64QAM	6	0	18.39	18.49	18.51	19.00
1.4	256QAM	1	0	18.53	18.63	18.47	19.00
1.4	256QAM	1	3	18.50	18.70	18.53	19.00
1.4	256QAM	1	5	18.54	18.62	18.58	19.00
1.4	256QAM	3	0	18.38	18.63	18.38	19.00
1.4	256QAM	3	1	18.58	18.52	18.39	19.00
1.4	256QAM	3	3	18.63	18.70	18.49	19.00
1.4	256QAM	6	0	18.46	18.52	18.54	19.00

【LTE Band 4_Ant 7_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.32	24.35	24.26	25.50
20	QPSK	1	49	24.16	24.31	24.19	25.50
20	QPSK	1	99	24.10	24.27	24.09	25.50
20	QPSK	50	0	23.28	23.43	23.21	24.50
20	QPSK	50	24	23.11	23.22	23.11	24.50
20	QPSK	50	50	23.16	23.33	23.22	24.50
20	QPSK	100	0	23.26	23.40	23.24	24.50
20	16QAM	1	0	23.28	23.44	23.29	24.50
20	16QAM	1	49	23.67	23.77	23.64	24.50
20	16QAM	1	99	23.29	23.41	23.21	24.50
20	16QAM	50	0	22.11	22.25	22.06	23.50
20	16QAM	50	24	22.01	22.11	21.89	23.50
20	16QAM	50	50	22.43	22.50	22.38	23.50
20	16QAM	100	0	22.27	22.44	22.21	23.50
20	64QAM	1	0	22.25	22.43	22.21	23.50
20	64QAM	1	49	22.71	22.80	22.69	23.50
20	64QAM	1	99	22.50	22.57	22.38	23.50

20	64QAM	50	0	21.14	21.24	21.08	22.50
20	64QAM	50	24	21.13	21.30	21.14	22.50
20	64QAM	50	50	21.23	21.33	21.15	22.50
20	64QAM	100	0	21.19	21.31	21.15	22.50
20	256QAM	1	0	19.18	19.32	19.18	20.50
20	256QAM	1	49	19.78	19.92	19.73	20.50
20	256QAM	1	99	19.58	19.65	19.53	20.50
20	256QAM	50	0	19.02	19.08	18.95	20.50
20	256QAM	50	24	18.99	19.16	18.95	20.50
20	256QAM	50	50	19.52	19.61	19.51	20.50
20	256QAM	100	0	19.05	19.17	18.95	20.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	24.25	24.25	24.24	25.50
15	QPSK	1	37	24.15	24.29	24.11	25.50
15	QPSK	1	74	24.00	24.17	24.00	25.50
15	QPSK	36	0	23.20	23.40	23.18	24.50
15	QPSK	36	20	23.03	23.08	23.08	24.50
15	QPSK	36	39	23.11	23.19	23.21	24.50
15	QPSK	75	0	23.13	23.37	23.10	24.50
15	16QAM	1	0	23.23	23.36	23.18	24.50
15	16QAM	1	37	23.53	23.68	23.57	24.50
15	16QAM	1	74	23.16	23.33	23.08	24.50
15	16QAM	36	0	22.08	22.20	21.92	23.50
15	16QAM	36	20	21.86	22.01	21.78	23.50
15	16QAM	36	39	22.36	22.40	22.25	23.50
15	16QAM	75	0	22.17	22.30	22.19	23.50
15	64QAM	1	0	22.16	22.39	22.16	23.50
15	64QAM	1	37	22.59	22.74	22.64	23.50
15	64QAM	1	74	22.40	22.44	22.27	23.50
15	64QAM	36	0	21.10	21.15	20.99	22.50
15	64QAM	36	20	21.12	21.27	21.01	22.50
15	64QAM	36	39	21.17	21.28	21.04	22.50
15	64QAM	75	0	21.18	21.26	21.14	22.50
15	256QAM	1	0	19.14	19.21	19.06	20.50
15	256QAM	1	37	19.71	19.77	19.61	20.50
15	256QAM	1	74	19.52	19.60	19.50	20.50
15	256QAM	36	0	19.01	18.93	18.91	20.50
15	256QAM	36	20	18.93	19.02	18.92	20.50
15	256QAM	36	39	19.38	19.58	19.45	20.50
15	256QAM	75	0	18.90	19.13	18.84	20.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	24.19	24.27	24.25	25.50
10	QPSK	1	25	24.13	24.28	24.13	25.50
10	QPSK	1	49	24.02	24.23	23.97	25.50
10	QPSK	25	0	23.24	23.32	23.16	24.50
10	QPSK	25	12	22.99	23.16	23.01	24.50
10	QPSK	25	25	23.06	23.19	23.12	24.50
10	QPSK	50	0	23.23	23.25	23.20	24.50
10	16QAM	1	0	23.14	23.29	23.26	24.50
10	16QAM	1	25	23.65	23.71	23.63	24.50
10	16QAM	1	49	23.23	23.33	23.07	24.50
10	16QAM	25	0	21.98	22.20	21.97	23.50
10	16QAM	25	12	21.96	22.08	21.87	23.50
10	16QAM	25	25	22.30	22.45	22.37	23.50
10	16QAM	50	0	22.22	22.30	22.14	23.50
10	64QAM	1	0	22.10	22.39	22.08	23.50
10	64QAM	1	25	22.66	22.72	22.63	23.50
10	64QAM	1	49	22.40	22.56	22.26	23.50
10	64QAM	25	0	21.00	21.17	21.06	22.50
10	64QAM	25	12	21.07	21.24	21.12	22.50
10	64QAM	25	25	21.17	21.25	21.09	22.50
10	64QAM	50	0	21.17	21.25	21.01	22.50
10	256QAM	1	0	19.10	19.28	19.05	20.50
10	256QAM	1	25	19.76	19.89	19.63	20.50
10	256QAM	1	49	19.51	19.62	19.49	20.50
10	256QAM	25	0	18.95	18.95	18.93	20.50
10	256QAM	25	12	18.93	19.12	18.81	20.50
10	256QAM	25	25	19.40	19.56	19.45	20.50
10	256QAM	50	0	18.96	19.04	18.92	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	24.20	24.22	24.13	25.50

5	QPSK	1	12	24.06	24.20	24.04	25.50
5	QPSK	1	24	23.99	24.24	23.99	25.50
5	QPSK	12	0	23.21	23.34	23.07	24.50
5	QPSK	12	7	22.96	23.19	23.05	24.50
5	QPSK	12	13	23.08	23.21	23.19	24.50
5	QPSK	25	0	23.25	23.27	23.20	24.50
5	16QAM	1	0	23.27	23.32	23.24	24.50
5	16QAM	1	12	23.65	23.75	23.54	24.50
5	16QAM	1	24	23.15	23.31	23.08	24.50
5	16QAM	12	0	22.03	22.20	21.99	23.50
5	16QAM	12	7	21.99	22.04	21.82	23.50
5	16QAM	12	13	22.32	22.36	22.30	23.50
5	16QAM	25	0	22.24	22.37	22.15	23.50
5	64QAM	1	0	22.11	22.41	22.18	23.50
5	64QAM	1	12	22.62	22.76	22.59	23.50
5	64QAM	1	24	22.45	22.47	22.32	23.50
5	64QAM	12	0	21.13	21.18	21.03	22.50
5	64QAM	12	7	21.04	21.20	21.12	22.50
5	64QAM	12	13	21.16	21.19	21.01	22.50
5	64QAM	25	0	21.11	21.28	21.06	22.50
5	256QAM	1	0	19.16	19.31	19.16	20.50
5	256QAM	1	12	19.72	19.90	19.60	20.50
5	256QAM	1	24	19.49	19.56	19.45	20.50
5	256QAM	12	0	18.97	19.05	18.80	20.50
5	256QAM	12	7	18.93	19.02	18.86	20.50
5	256QAM	12	13	19.37	19.50	19.44	20.50
5	256QAM	25	0	19.00	19.07	18.87	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	24.28	24.29	24.23	25.50
3	QPSK	1	8	24.06	24.19	24.09	25.50
3	QPSK	1	14	24.06	24.22	24.06	25.50
3	QPSK	8	0	23.20	23.38	23.13	24.50
3	QPSK	8	4	23.07	23.12	23.10	24.50
3	QPSK	8	7	23.03	23.19	23.17	24.50
3	QPSK	15	0	23.24	23.31	23.19	24.50
3	16QAM	1	0	23.23	23.30	23.28	24.50
3	16QAM	1	8	23.57	23.70	23.57	24.50
3	16QAM	1	14	23.19	23.35	23.15	24.50
3	16QAM	8	0	22.00	22.21	21.92	23.50
3	16QAM	8	4	22.00	22.04	21.79	23.50
3	16QAM	8	7	22.38	22.44	22.29	23.50
3	16QAM	15	0	22.20	22.33	22.16	23.50
3	64QAM	1	0	22.22	22.31	22.08	23.50
3	64QAM	1	8	22.59	22.74	22.58	23.50
3	64QAM	1	14	22.47	22.52	22.26	23.50
3	64QAM	8	0	21.05	21.22	20.96	22.50
3	64QAM	8	4	21.07	21.19	21.08	22.50
3	64QAM	8	7	21.10	21.27	21.09	22.50
3	64QAM	15	0	21.10	21.22	21.00	22.50
3	256QAM	1	0	19.06	19.21	19.09	20.50
3	256QAM	1	8	19.68	19.79	19.60	20.50
3	256QAM	1	14	19.53	19.59	19.41	20.50
3	256QAM	8	0	18.98	19.00	18.93	20.50
3	256QAM	8	4	18.84	19.10	18.82	20.50
3	256QAM	8	7	19.37	19.50	19.40	20.50
3	256QAM	15	0	18.99	19.10	18.85	20.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	24.27	24.33	24.20	25.50
1.4	QPSK	1	3	24.14	24.25	24.17	25.50
1.4	QPSK	1	5	24.06	24.23	24.01	25.50
1.4	QPSK	3	0	24.21	24.31	24.16	25.50
1.4	QPSK	3	1	24.10	24.12	24.02	25.50
1.4	QPSK	3	3	24.05	24.19	24.14	25.50
1.4	QPSK	6	0	23.23	23.33	23.20	24.50
1.4	16QAM	1	0	23.21	23.36	23.15	24.50
1.4	16QAM	1	3	23.66	23.73	23.61	24.50
1.4	16QAM	1	5	23.22	23.29	23.17	24.50
1.4	16QAM	3	0	22.98	23.14	22.95	24.50
1.4	16QAM	3	1	22.88	23.09	22.75	24.50
1.4	16QAM	3	3	23.35	23.48	23.24	24.50
1.4	16QAM	6	0	22.16	22.37	22.10	23.50
1.4	64QAM	1	0	22.10	22.34	22.12	23.50

1.4	64QAM	1	3	22.67	22.78	22.67	23.50
1.4	64QAM	1	5	22.41	22.55	22.24	23.50
1.4	64QAM	3	0	22.05	22.23	22.02	23.50
1.4	64QAM	3	1	21.98	22.27	22.03	23.50
1.4	64QAM	3	3	22.14	22.21	22.14	23.50
1.4	64QAM	6	0	21.05	21.17	21.07	22.50
1.4	256QAM	1	0	19.11	19.30	19.05	20.50
1.4	256QAM	1	3	19.77	19.86	19.66	20.50
1.4	256QAM	1	5	19.45	19.62	19.47	20.50
1.4	256QAM	3	0	18.93	18.99	18.94	20.50
1.4	256QAM	3	1	18.87	19.14	18.82	20.50
1.4	256QAM	3	3	19.39	19.53	19.48	20.50
1.4	256QAM	6	0	18.94	19.15	18.82	20.50

【LTE Band 4_Ant 7_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.63	24.66	24.60	25.70
20	QPSK	1	49	24.52	24.65	24.48	25.70
20	QPSK	1	99	24.42	24.56	24.39	25.70
20	QPSK	50	0	23.71	23.75	23.55	24.70
20	QPSK	50	24	23.61	23.68	23.51	24.70
20	QPSK	50	50	23.54	23.71	23.56	24.70
20	QPSK	100	0	23.59	23.68	23.52	24.70
20	16QAM	1	0	23.64	23.72	23.60	24.70
20	16QAM	1	49	23.60	23.69	23.59	24.70
20	16QAM	1	99	23.48	23.61	23.48	24.70
20	16QAM	50	0	22.56	22.61	22.43	23.70
20	16QAM	50	24	22.48	22.62	22.54	23.70
20	16QAM	50	50	22.55	22.71	22.61	23.70
20	16QAM	100	0	22.51	22.58	22.39	23.70
20	64QAM	1	0	22.45	22.56	22.47	23.70
20	64QAM	1	49	22.61	22.76	22.69	23.70
20	64QAM	1	99	22.57	22.70	22.53	23.70
20	64QAM	50	0	21.69	21.74	21.67	22.70
20	64QAM	50	24	21.46	21.56	21.39	22.70
20	64QAM	50	50	21.51	21.61	21.43	22.70
20	64QAM	100	0	21.41	21.56	21.39	22.70
20	256QAM	1	0	19.49	19.65	19.49	20.70
20	256QAM	1	49	19.63	19.77	19.71	20.70
20	256QAM	1	99	19.62	19.66	19.51	20.70
20	256QAM	50	0	19.52	19.65	19.52	20.70
20	256QAM	50	24	19.65	19.69	19.53	20.70
20	256QAM	50	50	19.61	19.76	19.69	20.70
20	256QAM	100	0	19.57	19.67	19.53	20.70
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.56	24.53	24.55	25.70
15	QPSK	1	37	24.46	24.51	24.39	25.70
15	QPSK	1	74	24.31	24.43	24.31	25.70
15	QPSK	36	0	23.62	23.74	23.41	24.70
15	QPSK	36	20	23.52	23.55	23.50	24.70
15	QPSK	36	39	23.49	23.63	23.44	24.70
15	QPSK	75	0	23.53	23.53	23.41	24.70
15	16QAM	1	0	23.54	23.59	23.51	24.70
15	16QAM	1	37	23.48	23.62	23.50	24.70
15	16QAM	1	74	23.40	23.54	23.43	24.70
15	16QAM	36	0	22.50	22.56	22.39	23.70
15	16QAM	36	20	22.39	22.59	22.51	23.70
15	16QAM	36	39	22.46	22.60	22.57	23.70
15	16QAM	75	0	22.48	22.51	22.30	23.70
15	64QAM	1	0	22.30	22.52	22.43	23.70
15	64QAM	1	37	22.55	22.70	22.65	23.70
15	64QAM	1	74	22.50	22.60	22.52	23.70
15	64QAM	36	0	21.57	21.72	21.62	22.70
15	64QAM	36	20	21.35	21.43	21.28	22.70
15	64QAM	36	39	21.37	21.55	21.39	22.70

15	64QAM	75	0	21.33	21.44	21.37	22.70
15	256QAM	1	0	19.38	19.51	19.43	20.70
15	256QAM	1	37	19.54	19.75	19.65	20.70
15	256QAM	1	74	19.52	19.52	19.36	20.70
15	256QAM	36	0	19.48	19.51	19.48	20.70
15	256QAM	36	20	19.55	19.60	19.48	20.70
15	256QAM	36	39	19.47	19.70	19.62	20.70
15	256QAM	75	0	19.54	19.64	19.41	20.70
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	24.50	24.53	24.50	25.70
10	QPSK	1	25	24.45	24.58	24.35	25.70
10	QPSK	1	49	24.32	24.42	24.26	25.70
10	QPSK	25	0	23.69	23.61	23.50	24.70
10	QPSK	25	12	23.47	23.62	23.43	24.70
10	QPSK	25	25	23.48	23.57	23.45	24.70
10	QPSK	50	0	23.53	23.64	23.41	24.70
10	16QAM	1	0	23.52	23.65	23.46	24.70
10	16QAM	1	25	23.57	23.65	23.47	24.70
10	16QAM	1	49	23.46	23.48	23.39	24.70
10	16QAM	25	0	22.51	22.58	22.34	23.70
10	16QAM	25	12	22.36	22.57	22.46	23.70
10	16QAM	25	25	22.47	22.58	22.56	23.70
10	16QAM	50	0	22.39	22.52	22.26	23.70
10	64QAM	1	0	22.33	22.52	22.38	23.70
10	64QAM	1	25	22.47	22.66	22.64	23.70
10	64QAM	1	49	22.53	22.66	22.48	23.70
10	64QAM	25	0	21.59	21.62	21.53	22.70
10	64QAM	25	12	21.37	21.50	21.26	22.70
10	64QAM	25	25	21.40	21.58	21.41	22.70
10	64QAM	50	0	21.30	21.43	21.26	22.70
10	256QAM	1	0	19.40	19.59	19.46	20.70
10	256QAM	1	25	19.60	19.73	19.58	20.70
10	256QAM	1	49	19.54	19.60	19.42	20.70
10	256QAM	25	0	19.41	19.58	19.43	20.70
10	256QAM	25	12	19.51	19.65	19.49	20.70
10	256QAM	25	25	19.47	19.72	19.62	20.70
10	256QAM	50	0	19.52	19.64	19.40	20.70
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	24.56	24.60	24.46	25.70
5	QPSK	1	12	24.41	24.52	24.45	25.70
5	QPSK	1	24	24.30	24.47	24.38	25.70
5	QPSK	12	0	23.62	23.69	23.53	24.70
5	QPSK	12	7	23.59	23.55	23.39	24.70
5	QPSK	12	13	23.50	23.69	23.43	24.70
5	QPSK	25	0	23.56	23.58	23.38	24.70
5	16QAM	1	0	23.51	23.58	23.47	24.70
5	16QAM	1	12	23.48	23.58	23.51	24.70
5	16QAM	1	24	23.36	23.51	23.36	24.70
5	16QAM	12	0	22.42	22.58	22.35	23.70
5	16QAM	12	7	22.41	22.53	22.40	23.70
5	16QAM	12	13	22.47	22.58	22.56	23.70
5	16QAM	25	0	22.40	22.48	22.35	23.70
5	64QAM	1	0	22.42	22.54	22.43	23.70
5	64QAM	1	12	22.54	22.71	22.64	23.70
5	64QAM	1	24	22.46	22.58	22.38	23.70
5	64QAM	12	0	21.59	21.61	21.56	22.70
5	64QAM	12	7	21.33	21.42	21.29	22.70
5	64QAM	12	13	21.50	21.52	21.30	22.70
5	64QAM	25	0	21.30	21.42	21.37	22.70
5	256QAM	1	0	19.41	19.63	19.35	20.70
5	256QAM	1	12	19.54	19.63	19.68	20.70
5	256QAM	1	24	19.50	19.51	19.42	20.70
5	256QAM	12	0	19.45	19.51	19.48	20.70
5	256QAM	12	7	19.64	19.56	19.41	20.70
5	256QAM	12	13	19.48	19.66	19.60	20.70
5	256QAM	25	0	19.50	19.55	19.46	20.70
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	24.57	24.52	24.52	25.70
3	QPSK	1	8	24.47	24.62	24.43	25.70
3	QPSK	1	14	24.40	24.51	24.36	25.70
3	QPSK	8	0	23.70	23.63	23.49	24.70

3	QPSK	8	4	23.59	23.58	23.38	24.70
3	QPSK	8	7	23.50	23.56	23.51	24.70
3	QPSK	15	0	23.53	23.58	23.45	24.70
3	16QAM	1	0	23.52	23.70	23.57	24.70
3	16QAM	1	8	23.59	23.56	23.55	24.70
3	16QAM	1	14	23.35	23.53	23.46	24.70
3	16QAM	8	0	22.45	22.58	22.35	23.70
3	16QAM	8	4	22.33	22.52	22.51	23.70
3	16QAM	8	7	22.54	22.68	22.59	23.70
3	16QAM	15	0	22.38	22.47	22.34	23.70
3	64QAM	1	0	22.43	22.47	22.45	23.70
3	64QAM	1	8	22.46	22.67	22.66	23.70
3	64QAM	1	14	22.51	22.69	22.48	23.70
3	64QAM	8	0	21.64	21.61	21.61	22.70
3	64QAM	8	4	21.39	21.46	21.37	22.70
3	64QAM	8	7	21.47	21.55	21.29	22.70
3	64QAM	15	0	21.39	21.48	21.25	22.70
3	256QAM	1	0	19.35	19.62	19.48	20.70
3	256QAM	1	8	19.49	19.64	19.61	20.70
3	256QAM	1	14	19.49	19.60	19.49	20.70
3	256QAM	8	0	19.46	19.56	19.45	20.70
3	256QAM	8	4	19.58	19.59	19.38	20.70
3	256QAM	8	7	19.51	19.63	19.59	20.70
3	256QAM	15	0	19.43	19.62	19.42	20.70
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.60	24.53	24.56	25.70
1.4	QPSK	1	3	24.46	24.59	24.36	25.70
1.4	QPSK	1	5	24.36	24.55	24.36	25.70
1.4	QPSK	3	0	24.58	24.71	24.41	25.70
1.4	QPSK	3	1	24.54	24.55	24.42	25.70
1.4	QPSK	3	3	24.42	24.62	24.45	25.70
1.4	QPSK	6	0	23.54	23.56	23.48	24.70
1.4	16QAM	1	0	23.56	23.61	23.52	24.70
1.4	16QAM	1	3	23.55	23.61	23.55	24.70
1.4	16QAM	1	5	23.43	23.54	23.39	24.70
1.4	16QAM	3	0	23.51	23.57	23.28	24.70
1.4	16QAM	3	1	23.38	23.52	23.47	24.70
1.4	16QAM	3	3	23.46	23.57	23.55	24.70
1.4	16QAM	6	0	22.39	22.51	22.29	23.70
1.4	64QAM	1	0	22.35	22.55	22.44	23.70
1.4	64QAM	1	3	22.51	22.75	22.55	23.70
1.4	64QAM	1	5	22.43	22.64	22.50	23.70
1.4	64QAM	3	0	22.59	22.65	22.61	23.70
1.4	64QAM	3	1	22.37	22.45	22.35	23.70
1.4	64QAM	3	3	22.46	22.52	22.36	23.70
1.4	64QAM	6	0	21.39	21.52	21.24	22.70
1.4	256QAM	1	0	19.41	19.59	19.42	20.70
1.4	256QAM	1	3	19.54	19.65	19.68	20.70
1.4	256QAM	1	5	19.59	19.55	19.36	20.70
1.4	256QAM	3	0	19.38	19.59	19.40	20.70
1.4	256QAM	3	1	19.51	19.67	19.52	20.70
1.4	256QAM	3	3	19.52	19.68	19.56	20.70
1.4	256QAM	6	0	19.52	19.66	19.47	20.70

【LTE Band 4_Ant 7_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.32	18.35	18.30	19.50
20	QPSK	1	49	18.18	18.29	18.23	19.50
20	QPSK	1	99	18.26	18.33	18.15	19.50
20	QPSK	50	0	18.16	18.33	18.26	19.50
20	QPSK	50	24	18.14	18.21	18.03	19.50
20	QPSK	50	50	18.03	18.19	18.09	19.50
20	QPSK	100	0	18.31	18.36	18.24	19.50
20	16QAM	1	0	18.18	18.31	18.24	19.50
20	16QAM	1	49	18.24	18.32	18.23	19.50

20	16QAM	1	99	18.06	18.19	18.12	19.50
20	16QAM	50	0	18.11	18.19	18.04	19.50
20	16QAM	50	24	18.26	18.41	18.33	19.50
20	16QAM	50	50	18.11	18.19	18.00	19.50
20	16QAM	100	0	18.22	18.26	18.15	19.50
20	64QAM	1	0	18.06	18.22	18.13	19.50
20	64QAM	1	49	18.21	18.37	18.24	19.50
20	64QAM	1	99	18.16	18.33	18.26	19.50
20	64QAM	50	0	18.17	18.23	18.11	19.50
20	64QAM	50	24	18.20	18.25	18.05	19.50
20	64QAM	50	50	18.28	18.35	18.28	19.50
20	64QAM	100	0	18.22	18.30	18.14	19.50
20	256QAM	1	0	18.17	18.22	18.10	19.50
20	256QAM	1	49	17.98	18.13	18.04	19.50
20	256QAM	1	99	18.20	18.27	18.13	19.50
20	256QAM	50	0	17.97	18.11	18.03	19.50
20	256QAM	50	24	18.16	18.24	18.16	19.50
20	256QAM	50	50	18.17	18.24	18.06	19.50
20	256QAM	100	0	18.19	18.24	18.14	19.50
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	18.28	18.30	18.23	19.50
15	QPSK	1	37	18.06	18.20	18.16	19.50
15	QPSK	1	74	18.18	18.29	18.10	19.50
15	QPSK	36	0	18.04	18.29	18.17	19.50
15	QPSK	36	20	18.03	18.19	17.98	19.50
15	QPSK	36	39	17.91	18.11	18.07	19.50
15	QPSK	75	0	18.25	18.24	18.19	19.50
15	16QAM	1	0	18.10	18.18	18.23	19.50
15	16QAM	1	37	18.12	18.20	18.14	19.50
15	16QAM	1	74	18.05	18.15	18.08	19.50
15	16QAM	36	0	17.96	18.08	17.95	19.50
15	16QAM	36	20	18.22	18.29	18.22	19.50
15	16QAM	36	39	18.07	18.14	17.88	19.50
15	16QAM	75	0	18.10	18.18	18.07	19.50
15	64QAM	1	0	17.99	18.12	18.05	19.50
15	64QAM	1	37	18.06	18.32	18.19	19.50
15	64QAM	1	74	18.12	18.22	18.22	19.50
15	64QAM	36	0	18.07	18.21	18.04	19.50
15	64QAM	36	20	18.09	18.10	17.96	19.50
15	64QAM	36	39	18.18	18.29	18.21	19.50
15	64QAM	75	0	18.11	18.26	18.03	19.50
15	256QAM	1	0	18.14	18.16	18.05	19.50
15	256QAM	1	37	17.93	17.99	17.96	19.50
15	256QAM	1	74	18.11	18.16	18.11	19.50
15	256QAM	36	0	17.91	17.97	17.93	19.50
15	256QAM	36	20	18.14	18.12	18.07	19.50
15	256QAM	36	39	18.06	18.17	17.91	19.50
15	256QAM	75	0	18.08	18.10	18.09	19.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.26	18.24	18.29	19.50
10	QPSK	1	25	18.04	18.18	18.17	19.50
10	QPSK	1	49	18.18	18.31	18.04	19.50
10	QPSK	25	0	18.03	18.22	18.25	19.50
10	QPSK	25	12	18.00	18.06	17.93	19.50
10	QPSK	25	25	17.97	18.10	18.04	19.50
10	QPSK	50	0	18.24	18.32	18.22	19.50
10	16QAM	1	0	18.17	18.25	18.10	19.50
10	16QAM	1	25	18.21	18.20	18.15	19.50
10	16QAM	1	49	17.96	18.08	18.08	19.50
10	16QAM	25	0	17.98	18.09	18.01	19.50
10	16QAM	25	12	18.20	18.29	18.23	19.50
10	16QAM	25	25	18.08	18.15	17.96	19.50
10	16QAM	50	0	18.15	18.13	18.00	19.50
10	64QAM	1	0	17.91	18.19	18.01	19.50
10	64QAM	1	25	18.16	18.22	18.14	19.50
10	64QAM	1	49	18.02	18.19	18.20	19.50
10	64QAM	25	0	18.09	18.12	18.03	19.50
10	64QAM	25	12	18.15	18.12	17.97	19.50
10	64QAM	25	25	18.18	18.23	18.19	19.50
10	64QAM	50	0	18.19	18.27	18.11	19.50
10	256QAM	1	0	18.03	18.11	18.09	19.50
10	256QAM	1	25	17.95	18.01	17.97	19.50

10	256QAM	1	49	18.10	18.17	18.10	19.50
10	256QAM	25	0	17.94	18.03	17.89	19.50
10	256QAM	25	12	18.02	18.13	18.10	19.50
10	256QAM	25	25	18.04	18.22	17.93	19.50
10	256QAM	50	0	18.10	18.12	18.04	19.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.18	18.26	18.20	19.50
5	QPSK	1	12	18.04	18.22	18.15	19.50
5	QPSK	1	24	18.17	18.25	18.13	19.50
5	QPSK	12	0	18.06	18.26	18.23	19.50
5	QPSK	12	7	18.05	18.11	17.93	19.50
5	QPSK	12	13	17.91	18.08	18.07	19.50
5	QPSK	25	0	18.20	18.33	18.13	19.50
5	16QAM	1	0	18.13	18.23	18.16	19.50
5	16QAM	1	12	18.18	18.28	18.11	19.50
5	16QAM	1	24	17.94	18.10	18.02	19.50
5	16QAM	12	0	17.97	18.09	18.00	19.50
5	16QAM	12	7	18.22	18.28	18.27	19.50
5	16QAM	12	13	17.99	18.09	17.87	19.50
5	16QAM	25	0	18.11	18.20	18.09	19.50
5	64QAM	1	0	17.98	18.19	18.12	19.50
5	64QAM	1	12	18.20	18.33	18.13	19.50
5	64QAM	1	24	18.09	18.26	18.18	19.50
5	64QAM	12	0	18.08	18.21	17.98	19.50
5	64QAM	12	7	18.12	18.15	18.00	19.50
5	64QAM	12	13	18.15	18.20	18.22	19.50
5	64QAM	25	0	18.19	18.20	18.10	19.50
5	256QAM	1	0	18.15	18.19	18.02	19.50
5	256QAM	1	12	17.91	18.02	18.02	19.50
5	256QAM	1	24	18.12	18.23	18.03	19.50
5	256QAM	12	0	17.88	18.08	18.00	19.50
5	256QAM	12	7	18.02	18.15	18.04	19.50
5	256QAM	12	13	18.05	18.21	17.93	19.50
5	256QAM	25	0	18.04	18.19	18.06	19.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.18	18.20	18.29	19.50
3	QPSK	1	8	18.12	18.21	18.17	19.50
3	QPSK	1	14	18.12	18.29	18.06	19.50
3	QPSK	8	0	18.03	18.19	18.17	19.50
3	QPSK	8	4	18.09	18.19	17.92	19.50
3	QPSK	8	7	17.99	18.18	17.95	19.50
3	QPSK	15	0	18.22	18.22	18.20	19.50
3	16QAM	1	0	18.05	18.16	18.18	19.50
3	16QAM	1	8	18.14	18.26	18.15	19.50
3	16QAM	1	14	17.99	18.08	18.05	19.50
3	16QAM	8	0	17.97	18.14	17.95	19.50
3	16QAM	8	4	18.24	18.35	18.23	19.50
3	16QAM	8	7	17.96	18.10	17.86	19.50
3	16QAM	15	0	18.09	18.19	18.08	19.50
3	64QAM	1	0	18.04	18.12	18.01	19.50
3	64QAM	1	8	18.18	18.26	18.13	19.50
3	64QAM	1	14	18.13	18.28	18.11	19.50
3	64QAM	8	0	18.09	18.11	18.02	19.50
3	64QAM	8	4	18.17	18.21	18.02	19.50
3	64QAM	8	7	18.26	18.31	18.24	19.50
3	64QAM	15	0	18.13	18.16	18.08	19.50
3	256QAM	1	0	18.11	18.13	18.07	19.50
3	256QAM	1	8	17.95	17.99	17.93	19.50
3	256QAM	1	14	18.13	18.25	18.10	19.50
3	256QAM	8	0	17.86	17.98	18.00	19.50
3	256QAM	8	4	18.02	18.15	18.08	19.50
3	256QAM	8	7	18.04	18.14	17.95	19.50
3	256QAM	15	0	18.18	18.12	18.03	19.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.28	18.21	18.20	19.50
1.4	QPSK	1	3	18.12	18.21	18.09	19.50
1.4	QPSK	1	5	18.12	18.31	18.00	19.50
1.4	QPSK	3	0	18.06	18.18	18.19	19.50
1.4	QPSK	3	1	18.01	18.09	17.98	19.50
1.4	QPSK	3	3	17.90	18.15	18.00	19.50
1.4	QPSK	6	0	18.27	18.31	18.14	19.50

1.4	16QAM	1	0	18.05	18.22	18.22	19.50
1.4	16QAM	1	3	18.21	18.26	18.17	19.50
1.4	16QAM	1	5	17.92	18.08	18.08	19.50
1.4	16QAM	3	0	18.00	18.09	17.90	19.50
1.4	16QAM	3	1	18.12	18.36	18.31	19.50
1.4	16QAM	3	3	18.09	18.14	17.90	19.50
1.4	16QAM	6	0	18.20	18.22	18.09	19.50
1.4	64QAM	1	0	17.91	18.18	17.98	19.50
1.4	64QAM	1	3	18.17	18.28	18.17	19.50
1.4	64QAM	1	5	18.10	18.30	18.13	19.50
1.4	64QAM	3	0	18.07	18.13	18.03	19.50
1.4	64QAM	3	1	18.13	18.10	18.00	19.50
1.4	64QAM	3	3	18.24	18.33	18.15	19.50
1.4	64QAM	6	0	18.14	18.25	18.05	19.50
1.4	256QAM	1	0	18.14	18.14	17.96	19.50
1.4	256QAM	1	3	17.86	18.05	17.93	19.50
1.4	256QAM	1	5	18.17	18.15	18.10	19.50
1.4	256QAM	3	0	17.86	17.99	17.96	19.50
1.4	256QAM	3	1	18.03	18.10	18.05	19.50
1.4	256QAM	3	3	18.09	18.10	17.96	19.50
1.4	256QAM	6	0	18.11	18.23	18.09	19.50

【LTE Band 4_Ant 7_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.78	18.82	18.80	19.20
20	QPSK	1	49	18.65	18.71	18.61	19.20
20	QPSK	1	99	18.60	18.72	18.59	19.20
20	QPSK	50	0	18.70	18.78	18.71	19.20
20	QPSK	50	24	18.63	18.74	18.60	19.20
20	QPSK	50	50	18.61	18.68	18.55	19.20
20	QPSK	100	0	18.63	18.76	18.66	19.20
20	16QAM	1	0	18.60	18.74	18.69	19.20
20	16QAM	1	49	18.61	18.75	18.66	19.20
20	16QAM	1	99	18.50	18.64	18.57	19.20
20	16QAM	50	0	18.69	18.82	18.74	19.20
20	16QAM	50	24	18.50	18.64	18.49	19.20
20	16QAM	50	50	18.72	18.79	18.69	19.20
20	16QAM	100	0	18.61	18.78	18.68	19.20
20	64QAM	1	0	18.46	18.60	18.45	19.20
20	64QAM	1	49	18.46	18.61	18.53	19.20
20	64QAM	1	99	18.51	18.70	18.61	19.20
20	64QAM	50	0	18.66	18.76	18.69	19.20
20	64QAM	50	24	18.70	18.76	18.66	19.20
20	64QAM	50	50	18.54	18.67	18.57	19.20
20	64QAM	100	0	18.49	18.60	18.53	19.20
20	256QAM	1	0	18.66	18.75	18.64	19.20
20	256QAM	1	49	18.68	18.79	18.70	19.20
20	256QAM	1	99	18.63	18.78	18.66	19.20
20	256QAM	50	0	18.58	18.63	18.55	19.20
20	256QAM	50	24	18.65	18.77	18.66	19.20
20	256QAM	50	50	18.57	18.64	18.58	19.20
20	256QAM	100	0	18.70	18.82	18.76	19.20
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.75	18.78	18.66	19.20
15	QPSK	1	37	18.61	18.64	18.53	19.20
15	QPSK	1	74	18.59	18.65	18.55	19.20
15	QPSK	36	0	18.64	18.75	18.62	19.20
15	QPSK	36	20	18.48	18.66	18.46	19.20
15	QPSK	36	39	18.47	18.63	18.52	19.20
15	QPSK	75	0	18.58	18.72	18.64	19.20
15	16QAM	1	0	18.54	18.65	18.66	19.20
15	16QAM	1	37	18.51	18.63	18.63	19.20
15	16QAM	1	74	18.45	18.57	18.50	19.20
15	16QAM	36	0	18.66	18.68	18.67	19.20
15	16QAM	36	20	18.44	18.58	18.35	19.20

15	16QAM	36	39	18.59	18.68	18.59	19.20
15	16QAM	75	0	18.57	18.73	18.66	19.20
15	64QAM	1	0	18.42	18.51	18.44	19.20
15	64QAM	1	37	18.32	18.60	18.38	19.20
15	64QAM	1	74	18.39	18.66	18.47	19.20
15	64QAM	36	0	18.52	18.74	18.59	19.20
15	64QAM	36	20	18.58	18.72	18.60	19.20
15	64QAM	36	39	18.52	18.66	18.45	19.20
15	64QAM	75	0	18.46	18.57	18.44	19.20
15	256QAM	1	0	18.60	18.60	18.58	19.20
15	256QAM	1	37	18.57	18.71	18.64	19.20
15	256QAM	1	74	18.59	18.74	18.53	19.20
15	256QAM	36	0	18.45	18.54	18.42	19.20
15	256QAM	36	20	18.52	18.69	18.63	19.20
15	256QAM	36	39	18.49	18.60	18.45	19.20
15	256QAM	75	0	18.62	18.75	18.63	19.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.75	18.73	18.67	19.20
10	QPSK	1	25	18.61	18.65	18.56	19.20
10	QPSK	1	49	18.55	18.71	18.56	19.20
10	QPSK	25	0	18.65	18.73	18.66	19.20
10	QPSK	25	12	18.61	18.60	18.51	19.20
10	QPSK	25	25	18.48	18.56	18.46	19.20
10	QPSK	50	0	18.55	18.67	18.55	19.20
10	16QAM	1	0	18.56	18.71	18.61	19.20
10	16QAM	1	25	18.50	18.60	18.51	19.20
10	16QAM	1	49	18.45	18.58	18.42	19.20
10	16QAM	25	0	18.58	18.68	18.66	19.20
10	16QAM	25	12	18.37	18.61	18.39	19.20
10	16QAM	25	25	18.66	18.67	18.61	19.20
10	16QAM	50	0	18.47	18.64	18.62	19.20
10	64QAM	1	0	18.36	18.58	18.32	19.20
10	64QAM	1	25	18.37	18.55	18.42	19.20
10	64QAM	1	49	18.45	18.55	18.50	19.20
10	64QAM	25	0	18.62	18.73	18.62	19.20
10	64QAM	25	12	18.61	18.68	18.59	19.20
10	64QAM	25	25	18.47	18.60	18.55	19.20
10	64QAM	50	0	18.46	18.51	18.42	19.20
10	256QAM	1	0	18.60	18.64	18.51	19.20
10	256QAM	1	25	18.56	18.72	18.67	19.20
10	256QAM	1	49	18.62	18.69	18.59	19.20
10	256QAM	25	0	18.43	18.58	18.51	19.20
10	256QAM	25	12	18.54	18.71	18.52	19.20
10	256QAM	25	25	18.46	18.59	18.55	19.20
10	256QAM	50	0	18.65	18.71	18.67	19.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.65	18.67	18.72	19.20
5	QPSK	1	12	18.59	18.63	18.57	19.20
5	QPSK	1	24	18.59	18.67	18.53	19.20
5	QPSK	12	0	18.56	18.67	18.69	19.20
5	QPSK	12	7	18.50	18.71	18.47	19.20
5	QPSK	12	13	18.53	18.61	18.53	19.20
5	QPSK	25	0	18.49	18.72	18.64	19.20
5	16QAM	1	0	18.50	18.61	18.61	19.20
5	16QAM	1	12	18.57	18.66	18.52	19.20
5	16QAM	1	24	18.38	18.53	18.47	19.20
5	16QAM	12	0	18.66	18.75	18.60	19.20
5	16QAM	12	7	18.47	18.55	18.43	19.20
5	16QAM	12	13	18.65	18.70	18.55	19.20
5	16QAM	25	0	18.53	18.67	18.55	19.20
5	64QAM	1	0	18.35	18.53	18.34	19.20
5	64QAM	1	12	18.32	18.56	18.40	19.20
5	64QAM	1	24	18.38	18.65	18.51	19.20
5	64QAM	12	0	18.54	18.68	18.61	19.20
5	64QAM	12	7	18.57	18.71	18.52	19.20
5	64QAM	12	13	18.47	18.52	18.54	19.20
5	64QAM	25	0	18.46	18.53	18.44	19.20
5	256QAM	1	0	18.64	18.73	18.61	19.20
5	256QAM	1	12	18.58	18.74	18.60	19.20
5	256QAM	1	24	18.58	18.65	18.55	19.20
5	256QAM	12	0	18.51	18.55	18.50	19.20
5	256QAM	12	7	18.55	18.69	18.53	19.20

5	256QAM	12	13	18.53	18.54	18.44	19.20
5	256QAM	25	0	18.63	18.74	18.73	19.20
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.67	18.76	18.72	19.20
3	QPSK	1	8	18.62	18.65	18.46	19.20
3	QPSK	1	14	18.57	18.59	18.52	19.20
3	QPSK	8	0	18.63	18.70	18.57	19.20
3	QPSK	8	4	18.60	18.66	18.59	19.20
3	QPSK	8	7	18.54	18.53	18.42	19.20
3	QPSK	15	0	18.51	18.64	18.52	19.20
3	16QAM	1	0	18.46	18.66	18.64	19.20
3	16QAM	1	8	18.49	18.74	18.51	19.20
3	16QAM	1	14	18.44	18.54	18.43	19.20
3	16QAM	8	0	18.57	18.80	18.68	19.20
3	16QAM	8	4	18.43	18.53	18.39	19.20
3	16QAM	8	7	18.65	18.76	18.58	19.20
3	16QAM	15	0	18.57	18.63	18.61	19.20
3	64QAM	1	0	18.44	18.55	18.34	19.20
3	64QAM	1	8	18.41	18.48	18.51	19.20
3	64QAM	1	14	18.39	18.59	18.48	19.20
3	64QAM	8	0	18.52	18.73	18.64	19.20
3	64QAM	8	4	18.57	18.74	18.61	19.20
3	64QAM	8	7	18.45	18.52	18.46	19.20
3	64QAM	15	0	18.40	18.51	18.51	19.20
3	256QAM	1	0	18.51	18.68	18.51	19.20
3	256QAM	1	8	18.58	18.72	18.69	19.20
3	256QAM	1	14	18.56	18.74	18.62	19.20
3	256QAM	8	0	18.48	18.56	18.41	19.20
3	256QAM	8	4	18.56	18.64	18.54	19.20
3	256QAM	8	7	18.53	18.57	18.47	19.20
3	256QAM	15	0	18.59	18.79	18.70	19.20
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.66	18.73	18.79	19.20
1.4	QPSK	1	3	18.53	18.66	18.55	19.20
1.4	QPSK	1	5	18.58	18.63	18.50	19.20
1.4	QPSK	3	0	18.55	18.75	18.65	19.20
1.4	QPSK	3	1	18.56	18.66	18.52	19.20
1.4	QPSK	3	3	18.50	18.56	18.43	19.20
1.4	QPSK	6	0	18.50	18.63	18.54	19.20
1.4	16QAM	1	0	18.52	18.65	18.60	19.20
1.4	16QAM	1	3	18.53	18.71	18.61	19.20
1.4	16QAM	1	5	18.43	18.53	18.42	19.20
1.4	16QAM	3	0	18.55	18.80	18.64	19.20
1.4	16QAM	3	1	18.44	18.61	18.40	19.20
1.4	16QAM	3	3	18.63	18.71	18.65	19.20
1.4	16QAM	6	0	18.48	18.74	18.64	19.20
1.4	64QAM	1	0	18.37	18.54	18.31	19.20
1.4	64QAM	1	3	18.44	18.57	18.45	19.20
1.4	64QAM	1	5	18.45	18.69	18.54	19.20
1.4	64QAM	3	0	18.52	18.75	18.54	19.20
1.4	64QAM	3	1	18.59	18.70	18.53	19.20
1.4	64QAM	3	3	18.52	18.55	18.45	19.20
1.4	64QAM	6	0	18.40	18.47	18.40	19.20
1.4	256QAM	1	0	18.59	18.71	18.54	19.20
1.4	256QAM	1	3	18.62	18.71	18.67	19.20
1.4	256QAM	1	5	18.52	18.73	18.54	19.20
1.4	256QAM	3	0	18.44	18.48	18.47	19.20
1.4	256QAM	3	1	18.62	18.74	18.58	19.20
1.4	256QAM	3	3	18.45	18.51	18.50	19.20
1.4	256QAM	6	0	18.58	18.67	18.65	19.20

【LTE Band 4_Ant 7_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.98	20.08	20.05	21.50
20	QPSK	1	49	19.71	19.93	19.88	21.50
20	QPSK	1	99	19.78	19.94	19.78	21.50
20	QPSK	50	0	19.84	20.03	19.91	21.50
20	QPSK	50	24	19.84	19.99	19.93	21.50
20	QPSK	50	50	19.76	19.89	19.82	21.50
20	QPSK	100	0	19.73	19.87	19.75	21.50
20	16QAM	1	0	19.84	19.99	19.84	21.50
20	16QAM	1	49	19.63	19.87	19.78	21.50
20	16QAM	1	99	19.64	19.87	19.81	21.50
20	16QAM	50	0	19.70	19.94	19.82	21.50
20	16QAM	50	24	19.89	20.01	19.90	21.50
20	16QAM	50	50	19.85	20.08	20.01	21.50
20	16QAM	100	0	19.86	20.00	19.90	21.50
20	64QAM	1	0	19.74	19.89	19.79	21.50
20	64QAM	1	49	19.88	20.08	19.92	21.50
20	64QAM	1	99	19.67	19.90	19.82	21.50
20	64QAM	50	0	19.68	19.91	19.82	21.50
20	64QAM	50	24	19.93	20.06	19.90	21.50
20	64QAM	50	50	19.69	19.91	19.85	21.50
20	64QAM	100	0	19.67	19.90	19.77	21.50
20	256QAM	1	0	18.77	18.98	18.93	20.50
20	256QAM	1	49	18.88	19.02	18.87	20.50
20	256QAM	1	99	18.95	19.18	19.08	20.50
20	256QAM	50	0	18.88	19.04	18.96	20.50
20	256QAM	50	24	19.06	19.19	19.14	20.50
20	256QAM	50	50	18.99	19.12	19.06	20.50
20	256QAM	100	0	18.89	19.03	18.89	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.94	19.96	19.93	21.50
15	QPSK	1	37	19.68	19.85	19.79	21.50
15	QPSK	1	74	19.69	19.91	19.68	21.50
15	QPSK	36	0	19.70	19.91	19.84	21.50
15	QPSK	36	20	19.69	19.97	19.80	21.50
15	QPSK	36	39	19.63	19.79	19.68	21.50
15	QPSK	75	0	19.71	19.78	19.70	21.50
15	16QAM	1	0	19.72	19.85	19.76	21.50
15	16QAM	1	37	19.55	19.77	19.63	21.50
15	16QAM	1	74	19.49	19.84	19.78	21.50
15	16QAM	36	0	19.60	19.86	19.80	21.50
15	16QAM	36	20	19.75	19.86	19.82	21.50
15	16QAM	36	39	19.79	19.95	19.96	21.50
15	16QAM	75	0	19.75	19.94	19.77	21.50
15	64QAM	1	0	19.72	19.78	19.72	21.50
15	64QAM	1	37	19.76	19.94	19.84	21.50
15	64QAM	1	74	19.56	19.79	19.81	21.50
15	64QAM	36	0	19.59	19.84	19.71	21.50
15	64QAM	36	20	19.90	20.05	19.79	21.50
15	64QAM	36	39	19.63	19.81	19.75	21.50
15	64QAM	75	0	19.63	19.83	19.66	21.50
15	256QAM	1	0	18.74	18.83	18.79	20.50
15	256QAM	1	37	18.86	18.98	18.75	20.50
15	256QAM	1	74	18.86	19.13	18.94	20.50
15	256QAM	36	0	18.84	18.99	18.92	20.50
15	256QAM	36	20	19.03	19.06	19.07	20.50
15	256QAM	36	39	18.94	19.10	19.03	20.50
15	256QAM	75	0	18.84	18.97	18.75	20.50
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.92	20.06	19.98	21.50
10	QPSK	1	25	19.59	19.79	19.81	21.50
10	QPSK	1	49	19.72	19.84	19.70	21.50
10	QPSK	25	0	19.75	19.99	19.84	21.50
10	QPSK	25	12	19.78	19.92	19.91	21.50

10	QPSK	25	25	19.73	19.88	19.77	21.50
10	QPSK	50	0	19.60	19.81	19.70	21.50
10	16QAM	1	0	19.78	19.88	19.77	21.50
10	16QAM	1	25	19.59	19.78	19.71	21.50
10	16QAM	1	49	19.59	19.73	19.74	21.50
10	16QAM	25	0	19.56	19.84	19.73	21.50
10	16QAM	25	12	19.88	19.97	19.79	21.50
10	16QAM	25	25	19.74	19.99	19.92	21.50
10	16QAM	50	0	19.78	19.93	19.82	21.50
10	64QAM	1	0	19.60	19.83	19.71	21.50
10	64QAM	1	25	19.82	20.00	19.84	21.50
10	64QAM	1	49	19.62	19.86	19.69	21.50
10	64QAM	25	0	19.60	19.86	19.71	21.50
10	64QAM	25	12	19.87	19.96	19.88	21.50
10	64QAM	25	25	19.56	19.84	19.78	21.50
10	64QAM	50	0	19.61	19.77	19.68	21.50
10	256QAM	1	0	18.71	18.90	18.80	20.50
10	256QAM	1	25	18.84	18.87	18.84	20.50
10	256QAM	1	49	18.84	19.13	18.96	20.50
10	256QAM	25	0	18.77	19.00	18.92	20.50
10	256QAM	25	12	19.00	19.14	18.99	20.50
10	256QAM	25	25	18.86	19.02	19.04	20.50
10	256QAM	50	0	18.88	18.91	18.79	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.90	20.05	19.97	21.50
5	QPSK	1	12	19.60	19.81	19.78	21.50
5	QPSK	1	24	19.77	19.82	19.71	21.50
5	QPSK	12	0	19.73	20.00	19.89	21.50
5	QPSK	12	7	19.74	19.88	19.86	21.50
5	QPSK	12	13	19.69	19.83	19.68	21.50
5	QPSK	25	0	19.70	19.80	19.73	21.50
5	16QAM	1	0	19.82	19.87	19.78	21.50
5	16QAM	1	12	19.51	19.77	19.64	21.50
5	16QAM	1	24	19.60	19.77	19.74	21.50
5	16QAM	12	0	19.57	19.81	19.76	21.50
5	16QAM	12	7	19.76	19.86	19.88	21.50
5	16QAM	12	13	19.80	19.99	19.96	21.50
5	16QAM	25	0	19.71	19.98	19.77	21.50
5	64QAM	1	0	19.59	19.87	19.74	21.50
5	64QAM	1	12	19.84	20.01	19.80	21.50
5	64QAM	1	24	19.57	19.87	19.79	21.50
5	64QAM	12	0	19.64	19.88	19.73	21.50
5	64QAM	12	7	19.84	20.03	19.80	21.50
5	64QAM	12	13	19.61	19.88	19.82	21.50
5	64QAM	25	0	19.63	19.78	19.72	21.50
5	256QAM	1	0	18.65	18.91	18.87	20.50
5	256QAM	1	12	18.85	18.92	18.81	20.50
5	256QAM	1	24	18.91	19.08	18.98	20.50
5	256QAM	12	0	18.81	18.95	18.88	20.50
5	256QAM	12	7	18.93	19.10	19.10	20.50
5	256QAM	12	13	18.94	19.11	18.97	20.50
5	256QAM	25	0	18.77	19.01	18.86	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.87	19.99	20.00	21.50
3	QPSK	1	8	19.59	19.86	19.75	21.50
3	QPSK	1	14	19.72	19.81	19.64	21.50
3	QPSK	8	0	19.73	19.93	19.87	21.50
3	QPSK	8	4	19.76	19.92	19.86	21.50
3	QPSK	8	7	19.72	19.84	19.76	21.50
3	QPSK	15	0	19.71	19.75	19.69	21.50
3	16QAM	1	0	19.76	19.93	19.71	21.50
3	16QAM	1	8	19.54	19.76	19.64	21.50
3	16QAM	1	14	19.54	19.81	19.69	21.50
3	16QAM	8	0	19.66	19.91	19.73	21.50
3	16QAM	8	4	19.83	19.89	19.84	21.50
3	16QAM	8	7	19.82	19.96	19.95	21.50
3	16QAM	15	0	19.84	19.99	19.85	21.50
3	64QAM	1	0	19.69	19.75	19.73	21.50
3	64QAM	1	8	19.78	19.95	19.86	21.50
3	64QAM	1	14	19.63	19.87	19.72	21.50
3	64QAM	8	0	19.54	19.78	19.78	21.50
3	64QAM	8	4	19.84	19.95	19.76	21.50

3	64QAM	8	7	19.65	19.85	19.76	21.50
3	64QAM	15	0	19.61	19.79	19.66	21.50
3	256QAM	1	0	18.68	18.86	18.90	20.50
3	256QAM	1	8	18.84	19.00	18.80	20.50
3	256QAM	1	14	18.81	19.12	18.99	20.50
3	256QAM	8	0	18.82	18.99	18.83	20.50
3	256QAM	8	4	18.96	19.06	19.08	20.50
3	256QAM	8	7	18.85	19.06	18.92	20.50
3	256QAM	15	0	18.75	18.99	18.82	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.83	20.01	19.92	21.50
1.4	QPSK	1	3	19.66	19.89	19.84	21.50
1.4	QPSK	1	5	19.76	19.79	19.75	21.50
1.4	QPSK	3	0	19.73	19.94	19.89	21.50
1.4	QPSK	3	1	19.78	19.88	19.88	21.50
1.4	QPSK	3	3	19.69	19.82	19.72	21.50
1.4	QPSK	6	0	19.59	19.78	19.65	21.50
1.4	16QAM	1	0	19.79	19.86	19.83	21.50
1.4	16QAM	1	3	19.55	19.80	19.70	21.50
1.4	16QAM	1	5	19.57	19.81	19.75	21.50
1.4	16QAM	3	0	19.63	19.90	19.78	21.50
1.4	16QAM	3	1	19.80	19.95	19.88	21.50
1.4	16QAM	3	3	19.82	20.00	19.90	21.50
1.4	16QAM	6	0	19.74	19.86	19.80	21.50
1.4	64QAM	1	0	19.65	19.84	19.65	21.50
1.4	64QAM	1	3	19.77	19.95	19.82	21.50
1.4	64QAM	1	5	19.59	19.79	19.80	21.50
1.4	64QAM	3	0	19.58	19.89	19.79	21.50
1.4	64QAM	3	1	19.89	19.96	19.88	21.50
1.4	64QAM	3	3	19.60	19.87	19.82	21.50
1.4	64QAM	6	0	19.60	19.79	19.71	21.50
1.4	256QAM	1	0	18.69	18.96	18.85	20.50
1.4	256QAM	1	3	18.80	18.96	18.74	20.50
1.4	256QAM	1	5	18.90	19.16	19.02	20.50
1.4	256QAM	3	0	18.73	18.96	18.81	20.50
1.4	256QAM	3	1	18.94	19.15	19.13	20.50
1.4	256QAM	3	3	18.93	19.04	18.99	20.50
1.4	256QAM	6	0	18.75	18.95	18.87	20.50

【LTE Band 4_Ant 7_DSI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	20.72	20.78	20.76	21.20
20	QPSK	1	49	20.47	20.66	20.59	21.20
20	QPSK	1	99	20.53	20.63	20.56	21.20
20	QPSK	50	0	20.64	20.73	20.58	21.20
20	QPSK	50	24	20.49	20.59	20.51	21.20
20	QPSK	50	50	20.54	20.66	20.52	21.20
20	QPSK	100	0	20.55	20.69	20.65	21.20
20	16QAM	1	0	20.58	20.72	20.65	21.20
20	16QAM	1	49	20.56	20.63	20.57	21.20
20	16QAM	1	99	20.52	20.62	20.45	21.20
20	16QAM	50	0	20.63	20.74	20.60	21.20
20	16QAM	50	24	20.58	20.65	20.56	21.20
20	16QAM	50	50	20.47	20.65	20.50	21.20
20	16QAM	100	0	20.62	20.72	20.59	21.20
20	64QAM	1	0	20.49	20.66	20.50	21.20
20	64QAM	1	49	20.54	20.67	20.63	21.20
20	64QAM	1	99	20.54	20.67	20.51	21.20
20	64QAM	50	0	20.56	20.71	20.62	21.20
20	64QAM	50	24	20.48	20.67	20.63	21.20
20	64QAM	50	50	20.41	20.58	20.51	21.20
20	64QAM	100	0	20.42	20.59	20.46	21.20
20	256QAM	1	0	19.53	19.65	19.55	20.20
20	256QAM	1	49	19.63	19.77	19.73	20.20
20	256QAM	1	99	19.50	19.66	19.55	20.20

20	256QAM	50	0	19.48	19.65	19.61	20.20
20	256QAM	50	24	19.50	19.69	19.58	20.20
20	256QAM	50	50	19.61	19.76	19.69	20.20
20	256QAM	100	0	19.51	19.67	19.51	20.20
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	20.69	20.63	20.69	21.20
15	QPSK	1	37	20.35	20.56	20.49	21.20
15	QPSK	1	74	20.47	20.59	20.42	21.20
15	QPSK	36	0	20.63	20.61	20.55	21.20
15	QPSK	36	20	20.36	20.54	20.43	21.20
15	QPSK	36	39	20.53	20.63	20.43	21.20
15	QPSK	75	0	20.41	20.58	20.55	21.20
15	16QAM	1	0	20.47	20.67	20.53	21.20
15	16QAM	1	37	20.55	20.55	20.46	21.20
15	16QAM	1	74	20.49	20.60	20.42	21.20
15	16QAM	36	0	20.60	20.64	20.53	21.20
15	16QAM	36	20	20.50	20.56	20.41	21.20
15	16QAM	36	39	20.37	20.63	20.44	21.20
15	16QAM	75	0	20.53	20.64	20.54	21.20
15	64QAM	1	0	20.41	20.55	20.39	21.20
15	64QAM	1	37	20.53	20.57	20.52	21.20
15	64QAM	1	74	20.52	20.61	20.49	21.20
15	64QAM	36	0	20.49	20.62	20.59	21.20
15	64QAM	36	20	20.45	20.59	20.58	21.20
15	64QAM	36	39	20.34	20.56	20.46	21.20
15	64QAM	75	0	20.40	20.54	20.40	21.20
15	256QAM	1	0	19.41	19.58	19.45	20.20
15	256QAM	1	37	19.55	19.76	19.69	20.20
15	256QAM	1	74	19.47	19.60	19.51	20.20
15	256QAM	36	0	19.38	19.64	19.52	20.20
15	256QAM	36	20	19.37	19.65	19.48	20.20
15	256QAM	36	39	19.59	19.61	19.60	20.20
15	256QAM	75	0	19.37	19.56	19.40	20.20
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	20.63	20.75	20.64	21.20
10	QPSK	1	25	20.38	20.53	20.55	21.20
10	QPSK	1	49	20.42	20.60	20.50	21.20
10	QPSK	25	0	20.56	20.71	20.54	21.20
10	QPSK	25	12	20.36	20.50	20.46	21.20
10	QPSK	25	25	20.50	20.55	20.43	21.20
10	QPSK	50	0	20.52	20.55	20.58	21.20
10	16QAM	1	0	20.51	20.58	20.59	21.20
10	16QAM	1	25	20.52	20.58	20.46	21.20
10	16QAM	1	49	20.45	20.49	20.32	21.20
10	16QAM	25	0	20.61	20.66	20.53	21.20
10	16QAM	25	12	20.49	20.61	20.43	21.20
10	16QAM	25	25	20.38	20.55	20.40	21.20
10	16QAM	50	0	20.53	20.59	20.52	21.20
10	64QAM	1	0	20.46	20.65	20.37	21.20
10	64QAM	1	25	20.53	20.66	20.49	21.20
10	64QAM	1	49	20.45	20.52	20.43	21.20
10	64QAM	25	0	20.42	20.58	20.48	21.20
10	64QAM	25	12	20.42	20.61	20.50	21.20
10	64QAM	25	25	20.36	20.45	20.41	21.20
10	64QAM	50	0	20.41	20.53	20.41	21.20
10	256QAM	1	0	19.50	19.63	19.54	20.20
10	256QAM	1	25	19.54	19.67	19.68	20.20
10	256QAM	1	49	19.36	19.56	19.44	20.20
10	256QAM	25	0	19.43	19.59	19.47	20.20
10	256QAM	25	12	19.41	19.67	19.54	20.20
10	256QAM	25	25	19.54	19.64	19.60	20.20
10	256QAM	50	0	19.50	19.62	19.46	20.20
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	20.67	20.76	20.68	21.20
5	QPSK	1	12	20.38	20.60	20.52	21.20
5	QPSK	1	24	20.50	20.49	20.45	21.20
5	QPSK	12	0	20.50	20.69	20.46	21.20
5	QPSK	12	7	20.35	20.50	20.39	21.20
5	QPSK	12	13	20.44	20.57	20.45	21.20
5	QPSK	25	0	20.41	20.59	20.62	21.20
5	16QAM	1	0	20.51	20.58	20.58	21.20

5	16QAM	1	12	20.45	20.61	20.42	21.20
5	16QAM	1	24	20.48	20.52	20.38	21.20
5	16QAM	12	0	20.49	20.68	20.57	21.20
5	16QAM	12	7	20.49	20.55	20.46	21.20
5	16QAM	12	13	20.41	20.59	20.42	21.20
5	16QAM	25	0	20.49	20.65	20.46	21.20
5	64QAM	1	0	20.39	20.52	20.48	21.20
5	64QAM	1	12	20.50	20.60	20.61	21.20
5	64QAM	1	24	20.40	20.58	20.42	21.20
5	64QAM	12	0	20.53	20.57	20.55	21.20
5	64QAM	12	7	20.34	20.56	20.57	21.20
5	64QAM	12	13	20.31	20.52	20.39	21.20
5	64QAM	25	0	20.28	20.51	20.37	21.20
5	256QAM	1	0	19.51	19.56	19.53	20.20
5	256QAM	1	12	19.59	19.72	19.66	20.20
5	256QAM	1	24	19.44	19.52	19.47	20.20
5	256QAM	12	0	19.35	19.58	19.51	20.20
5	256QAM	12	7	19.47	19.66	19.51	20.20
5	256QAM	12	13	19.52	19.70	19.62	20.20
5	256QAM	25	0	19.42	19.63	19.42	20.20
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.60	20.68	20.72	21.20
3	QPSK	1	8	20.33	20.63	20.52	21.20
3	QPSK	1	14	20.44	20.62	20.51	21.20
3	QPSK	8	0	20.54	20.68	20.51	21.20
3	QPSK	8	4	20.38	20.49	20.49	21.20
3	QPSK	8	7	20.51	20.59	20.49	21.20
3	QPSK	15	0	20.50	20.65	20.60	21.20
3	16QAM	1	0	20.47	20.65	20.64	21.20
3	16QAM	1	8	20.55	20.49	20.51	21.20
3	16QAM	1	14	20.37	20.47	20.34	21.20
3	16QAM	8	0	20.49	20.63	20.51	21.20
3	16QAM	8	4	20.44	20.64	20.49	21.20
3	16QAM	8	7	20.36	20.63	20.43	21.20
3	16QAM	15	0	20.59	20.71	20.51	21.20
3	64QAM	1	0	20.40	20.52	20.49	21.20
3	64QAM	1	8	20.39	20.60	20.50	21.20
3	64QAM	1	14	20.40	20.55	20.44	21.20
3	64QAM	8	0	20.53	20.56	20.48	21.20
3	64QAM	8	4	20.44	20.61	20.59	21.20
3	64QAM	8	7	20.31	20.50	20.37	21.20
3	64QAM	15	0	20.39	20.50	20.36	21.20
3	256QAM	1	0	19.43	19.59	19.44	20.20
3	256QAM	1	8	19.55	19.74	19.71	20.20
3	256QAM	1	14	19.36	19.52	19.50	20.20
3	256QAM	8	0	19.36	19.59	19.49	20.20
3	256QAM	8	4	19.43	19.60	19.56	20.20
3	256QAM	8	7	19.50	19.66	19.57	20.20
3	256QAM	15	0	19.39	19.56	19.38	20.20
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.69	20.72	20.64	21.20
1.4	QPSK	1	3	20.43	20.54	20.53	21.20
1.4	QPSK	1	5	20.40	20.51	20.42	21.20
1.4	QPSK	3	0	20.54	20.72	20.49	21.20
1.4	QPSK	3	1	20.44	20.53	20.49	21.20
1.4	QPSK	3	3	20.44	20.59	20.46	21.20
1.4	QPSK	6	0	20.44	20.63	20.55	21.20
1.4	16QAM	1	0	20.49	20.65	20.56	21.20
1.4	16QAM	1	3	20.54	20.61	20.46	21.20
1.4	16QAM	1	5	20.50	20.56	20.36	21.20
1.4	16QAM	3	0	20.51	20.70	20.54	21.20
1.4	16QAM	3	1	20.55	20.52	20.48	21.20
1.4	16QAM	3	3	20.44	20.64	20.37	21.20
1.4	16QAM	6	0	20.56	20.68	20.56	21.20
1.4	64QAM	1	0	20.46	20.64	20.44	21.20
1.4	64QAM	1	3	20.44	20.63	20.49	21.20
1.4	64QAM	1	5	20.45	20.55	20.40	21.20
1.4	64QAM	3	0	20.51	20.61	20.54	21.20
1.4	64QAM	3	1	20.38	20.58	20.52	21.20
1.4	64QAM	3	3	20.28	20.44	20.49	21.20
1.4	64QAM	6	0	20.28	20.50	20.34	21.20
1.4	256QAM	1	0	19.48	19.55	19.54	20.20

1.4	256QAM	1	3	19.57	19.69	19.61	20.20
1.4	256QAM	1	5	19.43	19.63	19.41	20.20
1.4	256QAM	3	0	19.44	19.63	19.55	20.20
1.4	256QAM	3	1	19.37	19.57	19.55	20.20
1.4	256QAM	3	3	19.56	19.73	19.66	20.20
1.4	256QAM	6	0	19.48	19.61	19.50	20.20

【LTE Band 4_Ant 7_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.98	20.08	20.05	21.50
20	QPSK	1	49	19.71	19.93	19.88	21.50
20	QPSK	1	99	19.78	19.94	19.78	21.50
20	QPSK	50	0	19.84	20.03	19.91	21.50
20	QPSK	50	24	19.84	19.99	19.93	21.50
20	QPSK	50	50	19.76	19.89	19.82	21.50
20	QPSK	100	0	19.73	19.87	19.75	21.50
20	16QAM	1	0	19.84	19.99	19.84	21.50
20	16QAM	1	49	19.63	19.87	19.78	21.50
20	16QAM	1	99	19.64	19.87	19.81	21.50
20	16QAM	50	0	19.70	19.94	19.82	21.50
20	16QAM	50	24	19.89	20.01	19.90	21.50
20	16QAM	50	50	19.85	20.08	20.01	21.50
20	16QAM	100	0	19.86	20.00	19.90	21.50
20	64QAM	1	0	19.74	19.89	19.79	21.50
20	64QAM	1	49	19.88	20.08	19.92	21.50
20	64QAM	1	99	19.67	19.90	19.82	21.50
20	64QAM	50	0	19.68	19.91	19.82	21.50
20	64QAM	50	24	19.93	20.06	19.90	21.50
20	64QAM	50	50	19.69	19.91	19.85	21.50
20	64QAM	100	0	19.67	19.90	19.77	21.50
20	256QAM	1	0	18.77	18.98	18.93	20.50
20	256QAM	1	49	18.88	19.02	18.87	20.50
20	256QAM	1	99	18.95	19.18	19.08	20.50
20	256QAM	50	0	18.88	19.04	18.96	20.50
20	256QAM	50	24	19.06	19.19	19.14	20.50
20	256QAM	50	50	18.99	19.12	19.06	20.50
20	256QAM	100	0	18.89	19.03	18.89	20.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.94	19.96	19.93	21.50
15	QPSK	1	37	19.68	19.85	19.79	21.50
15	QPSK	1	74	19.69	19.91	19.68	21.50
15	QPSK	36	0	19.70	19.91	19.84	21.50
15	QPSK	36	20	19.69	19.97	19.80	21.50
15	QPSK	36	39	19.63	19.79	19.68	21.50
15	QPSK	75	0	19.71	19.78	19.70	21.50
15	16QAM	1	0	19.72	19.85	19.76	21.50
15	16QAM	1	37	19.55	19.77	19.63	21.50
15	16QAM	1	74	19.49	19.84	19.78	21.50
15	16QAM	36	0	19.60	19.86	19.80	21.50
15	16QAM	36	20	19.75	19.86	19.82	21.50
15	16QAM	36	39	19.79	19.95	19.96	21.50
15	16QAM	75	0	19.75	19.94	19.77	21.50
15	64QAM	1	0	19.72	19.78	19.72	21.50
15	64QAM	1	37	19.76	19.94	19.84	21.50
15	64QAM	1	74	19.56	19.79	19.81	21.50
15	64QAM	36	0	19.59	19.84	19.71	21.50
15	64QAM	36	20	19.90	20.05	19.79	21.50
15	64QAM	36	39	19.63	19.81	19.75	21.50
15	64QAM	75	0	19.63	19.83	19.66	21.50
15	256QAM	1	0	18.74	18.83	18.79	20.50
15	256QAM	1	37	18.86	18.98	18.75	20.50
15	256QAM	1	74	18.86	19.13	18.94	20.50
15	256QAM	36	0	18.84	18.99	18.92	20.50
15	256QAM	36	20	19.03	19.06	19.07	20.50
15	256QAM	36	39	18.94	19.10	19.03	20.50

15	256QAM	75	0	18.84	18.97	18.75	20.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.92	20.06	19.98	21.50
10	QPSK	1	25	19.59	19.79	19.81	21.50
10	QPSK	1	49	19.72	19.84	19.70	21.50
10	QPSK	25	0	19.75	19.99	19.84	21.50
10	QPSK	25	12	19.78	19.92	19.91	21.50
10	QPSK	25	25	19.73	19.88	19.77	21.50
10	QPSK	50	0	19.60	19.81	19.70	21.50
10	16QAM	1	0	19.78	19.88	19.77	21.50
10	16QAM	1	25	19.59	19.78	19.71	21.50
10	16QAM	1	49	19.59	19.73	19.74	21.50
10	16QAM	25	0	19.56	19.84	19.73	21.50
10	16QAM	25	12	19.88	19.97	19.79	21.50
10	16QAM	25	25	19.74	19.99	19.92	21.50
10	16QAM	50	0	19.78	19.93	19.82	21.50
10	64QAM	1	0	19.60	19.83	19.71	21.50
10	64QAM	1	25	19.82	20.00	19.84	21.50
10	64QAM	1	49	19.62	19.86	19.69	21.50
10	64QAM	25	0	19.60	19.86	19.71	21.50
10	64QAM	25	12	19.87	19.96	19.88	21.50
10	64QAM	25	25	19.56	19.84	19.78	21.50
10	64QAM	50	0	19.61	19.77	19.68	21.50
10	256QAM	1	0	18.71	18.90	18.80	20.50
10	256QAM	1	25	18.84	18.87	18.84	20.50
10	256QAM	1	49	18.84	19.13	18.96	20.50
10	256QAM	25	0	18.77	19.00	18.92	20.50
10	256QAM	25	12	19.00	19.14	18.99	20.50
10	256QAM	25	25	18.86	19.02	19.04	20.50
10	256QAM	50	0	18.88	18.91	18.79	20.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.90	20.05	19.97	21.50
5	QPSK	1	12	19.60	19.81	19.78	21.50
5	QPSK	1	24	19.77	19.82	19.71	21.50
5	QPSK	12	0	19.73	20.00	19.89	21.50
5	QPSK	12	7	19.74	19.88	19.86	21.50
5	QPSK	12	13	19.69	19.83	19.68	21.50
5	QPSK	25	0	19.70	19.80	19.73	21.50
5	16QAM	1	0	19.82	19.87	19.78	21.50
5	16QAM	1	12	19.51	19.77	19.64	21.50
5	16QAM	1	24	19.60	19.77	19.74	21.50
5	16QAM	12	0	19.57	19.81	19.76	21.50
5	16QAM	12	7	19.76	19.86	19.88	21.50
5	16QAM	12	13	19.80	19.99	19.96	21.50
5	16QAM	25	0	19.71	19.98	19.77	21.50
5	64QAM	1	0	19.59	19.87	19.74	21.50
5	64QAM	1	12	19.84	20.01	19.80	21.50
5	64QAM	1	24	19.57	19.87	19.79	21.50
5	64QAM	12	0	19.64	19.88	19.73	21.50
5	64QAM	12	7	19.84	20.03	19.80	21.50
5	64QAM	12	13	19.61	19.88	19.82	21.50
5	64QAM	25	0	19.63	19.78	19.72	21.50
5	256QAM	1	0	18.65	18.91	18.87	20.50
5	256QAM	1	12	18.85	18.92	18.81	20.50
5	256QAM	1	24	18.91	19.08	18.98	20.50
5	256QAM	12	0	18.81	18.95	18.88	20.50
5	256QAM	12	7	18.93	19.10	19.10	20.50
5	256QAM	12	13	18.94	19.11	18.97	20.50
5	256QAM	25	0	18.77	19.01	18.86	20.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.87	19.99	20.00	21.50
3	QPSK	1	8	19.59	19.86	19.75	21.50
3	QPSK	1	14	19.72	19.81	19.64	21.50
3	QPSK	8	0	19.73	19.93	19.87	21.50
3	QPSK	8	4	19.76	19.92	19.86	21.50
3	QPSK	8	7	19.72	19.84	19.76	21.50
3	QPSK	15	0	19.71	19.75	19.69	21.50
3	16QAM	1	0	19.76	19.93	19.71	21.50
3	16QAM	1	8	19.54	19.76	19.64	21.50
3	16QAM	1	14	19.54	19.81	19.69	21.50
3	16QAM	8	0	19.66	19.91	19.73	21.50

3	16QAM	8	4	19.83	19.89	19.84	21.50
3	16QAM	8	7	19.82	19.96	19.95	21.50
3	16QAM	15	0	19.84	19.99	19.85	21.50
3	64QAM	1	0	19.69	19.75	19.73	21.50
3	64QAM	1	8	19.78	19.95	19.86	21.50
3	64QAM	1	14	19.63	19.87	19.72	21.50
3	64QAM	8	0	19.54	19.78	19.78	21.50
3	64QAM	8	4	19.84	19.95	19.76	21.50
3	64QAM	8	7	19.65	19.85	19.76	21.50
3	64QAM	15	0	19.61	19.79	19.66	21.50
3	256QAM	1	0	18.68	18.86	18.90	20.50
3	256QAM	1	8	18.84	19.00	18.80	20.50
3	256QAM	1	14	18.81	19.12	18.99	20.50
3	256QAM	8	0	18.82	18.99	18.83	20.50
3	256QAM	8	4	18.96	19.06	19.08	20.50
3	256QAM	8	7	18.85	19.06	18.92	20.50
3	256QAM	15	0	18.75	18.99	18.82	20.50
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.83	20.01	19.92	21.50
1.4	QPSK	1	3	19.66	19.89	19.84	21.50
1.4	QPSK	1	5	19.76	19.79	19.75	21.50
1.4	QPSK	3	0	19.73	19.94	19.89	21.50
1.4	QPSK	3	1	19.78	19.88	19.88	21.50
1.4	QPSK	3	3	19.69	19.82	19.72	21.50
1.4	QPSK	6	0	19.59	19.78	19.65	21.50
1.4	16QAM	1	0	19.79	19.86	19.83	21.50
1.4	16QAM	1	3	19.55	19.80	19.70	21.50
1.4	16QAM	1	5	19.57	19.81	19.75	21.50
1.4	16QAM	3	0	19.63	19.90	19.78	21.50
1.4	16QAM	3	1	19.80	19.95	19.88	21.50
1.4	16QAM	3	3	19.82	20.00	19.90	21.50
1.4	16QAM	6	0	19.74	19.86	19.80	21.50
1.4	64QAM	1	0	19.65	19.84	19.65	21.50
1.4	64QAM	1	3	19.77	19.95	19.82	21.50
1.4	64QAM	1	5	19.59	19.79	19.80	21.50
1.4	64QAM	3	0	19.58	19.89	19.79	21.50
1.4	64QAM	3	1	19.89	19.96	19.88	21.50
1.4	64QAM	3	3	19.60	19.87	19.82	21.50
1.4	64QAM	6	0	19.60	19.79	19.71	21.50
1.4	256QAM	1	0	18.69	18.96	18.85	20.50
1.4	256QAM	1	3	18.80	18.96	18.74	20.50
1.4	256QAM	1	5	18.90	19.16	19.02	20.50
1.4	256QAM	3	0	18.73	18.96	18.81	20.50
1.4	256QAM	3	1	18.94	19.15	19.13	20.50
1.4	256QAM	3	3	18.93	19.04	18.99	20.50
1.4	256QAM	6	0	18.75	18.95	18.87	20.50

【LTE Band 4_Ant 7_DSI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	20.72	20.78	20.76	21.20
20	QPSK	1	49	20.47	20.66	20.59	21.20
20	QPSK	1	99	20.53	20.63	20.56	21.20
20	QPSK	50	0	20.64	20.73	20.58	21.20
20	QPSK	50	24	20.49	20.59	20.51	21.20
20	QPSK	50	50	20.54	20.66	20.52	21.20
20	QPSK	100	0	20.55	20.69	20.65	21.20
20	16QAM	1	0	20.58	20.72	20.65	21.20
20	16QAM	1	49	20.56	20.63	20.57	21.20
20	16QAM	1	99	20.52	20.62	20.45	21.20
20	16QAM	50	0	20.63	20.74	20.60	21.20
20	16QAM	50	24	20.58	20.65	20.56	21.20
20	16QAM	50	50	20.47	20.65	20.50	21.20
20	16QAM	100	0	20.62	20.72	20.59	21.20
20	64QAM	1	0	20.49	20.66	20.50	21.20
20	64QAM	1	49	20.54	20.67	20.63	21.20

20	64QAM	1	99	20.54	20.67	20.51	21.20
20	64QAM	50	0	20.56	20.71	20.62	21.20
20	64QAM	50	24	20.48	20.67	20.63	21.20
20	64QAM	50	50	20.41	20.58	20.51	21.20
20	64QAM	100	0	20.42	20.59	20.46	21.20
20	256QAM	1	0	19.53	19.65	19.55	20.20
20	256QAM	1	49	19.63	19.77	19.73	20.20
20	256QAM	1	99	19.50	19.66	19.55	20.20
20	256QAM	50	0	19.48	19.65	19.61	20.20
20	256QAM	50	24	19.50	19.69	19.58	20.20
20	256QAM	50	50	19.61	19.76	19.69	20.20
20	256QAM	100	0	19.51	19.67	19.51	20.20
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.69	20.63	20.69	21.20
15	QPSK	1	37	20.35	20.56	20.49	21.20
15	QPSK	1	74	20.47	20.59	20.42	21.20
15	QPSK	36	0	20.63	20.61	20.55	21.20
15	QPSK	36	20	20.36	20.54	20.43	21.20
15	QPSK	36	39	20.53	20.63	20.43	21.20
15	QPSK	75	0	20.41	20.58	20.55	21.20
15	16QAM	1	0	20.47	20.67	20.53	21.20
15	16QAM	1	37	20.55	20.55	20.46	21.20
15	16QAM	1	74	20.49	20.60	20.42	21.20
15	16QAM	36	0	20.60	20.64	20.53	21.20
15	16QAM	36	20	20.50	20.56	20.41	21.20
15	16QAM	36	39	20.37	20.63	20.44	21.20
15	16QAM	75	0	20.53	20.64	20.54	21.20
15	64QAM	1	0	20.41	20.55	20.39	21.20
15	64QAM	1	37	20.53	20.57	20.52	21.20
15	64QAM	1	74	20.52	20.61	20.49	21.20
15	64QAM	36	0	20.49	20.62	20.59	21.20
15	64QAM	36	20	20.45	20.59	20.58	21.20
15	64QAM	36	39	20.34	20.56	20.46	21.20
15	64QAM	75	0	20.40	20.54	20.40	21.20
15	256QAM	1	0	19.41	19.58	19.45	20.20
15	256QAM	1	37	19.55	19.76	19.69	20.20
15	256QAM	1	74	19.47	19.60	19.51	20.20
15	256QAM	36	0	19.38	19.64	19.52	20.20
15	256QAM	36	20	19.37	19.65	19.48	20.20
15	256QAM	36	39	19.59	19.61	19.60	20.20
15	256QAM	75	0	19.37	19.56	19.40	20.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.63	20.75	20.64	21.20
10	QPSK	1	25	20.38	20.53	20.55	21.20
10	QPSK	1	49	20.42	20.60	20.50	21.20
10	QPSK	25	0	20.56	20.71	20.54	21.20
10	QPSK	25	12	20.36	20.50	20.46	21.20
10	QPSK	25	25	20.50	20.55	20.43	21.20
10	QPSK	50	0	20.52	20.55	20.58	21.20
10	16QAM	1	0	20.51	20.58	20.59	21.20
10	16QAM	1	25	20.52	20.58	20.46	21.20
10	16QAM	1	49	20.45	20.49	20.32	21.20
10	16QAM	25	0	20.61	20.66	20.53	21.20
10	16QAM	25	12	20.49	20.61	20.43	21.20
10	16QAM	25	25	20.38	20.55	20.40	21.20
10	16QAM	50	0	20.53	20.59	20.52	21.20
10	64QAM	1	0	20.46	20.65	20.37	21.20
10	64QAM	1	25	20.53	20.66	20.49	21.20
10	64QAM	1	49	20.45	20.52	20.43	21.20
10	64QAM	25	0	20.42	20.58	20.48	21.20
10	64QAM	25	12	20.42	20.61	20.50	21.20
10	64QAM	25	25	20.36	20.45	20.41	21.20
10	64QAM	50	0	20.41	20.53	20.41	21.20
10	256QAM	1	0	19.50	19.63	19.54	20.20
10	256QAM	1	25	19.54	19.67	19.68	20.20
10	256QAM	1	49	19.36	19.56	19.44	20.20
10	256QAM	25	0	19.43	19.59	19.47	20.20
10	256QAM	25	12	19.41	19.67	19.54	20.20
10	256QAM	25	25	19.54	19.64	19.60	20.20
10	256QAM	50	0	19.50	19.62	19.46	20.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	

5	QPSK	1	0	20.67	20.76	20.68	21.20
5	QPSK	1	12	20.38	20.60	20.52	21.20
5	QPSK	1	24	20.50	20.49	20.45	21.20
5	QPSK	12	0	20.50	20.69	20.46	21.20
5	QPSK	12	7	20.35	20.50	20.39	21.20
5	QPSK	12	13	20.44	20.57	20.45	21.20
5	QPSK	25	0	20.41	20.59	20.62	21.20
5	16QAM	1	0	20.51	20.58	20.58	21.20
5	16QAM	1	12	20.45	20.61	20.42	21.20
5	16QAM	1	24	20.48	20.52	20.38	21.20
5	16QAM	12	0	20.49	20.68	20.57	21.20
5	16QAM	12	7	20.49	20.55	20.46	21.20
5	16QAM	12	13	20.41	20.59	20.42	21.20
5	16QAM	25	0	20.49	20.65	20.46	21.20
5	64QAM	1	0	20.39	20.52	20.48	21.20
5	64QAM	1	12	20.50	20.60	20.61	21.20
5	64QAM	1	24	20.40	20.58	20.42	21.20
5	64QAM	12	0	20.53	20.57	20.55	21.20
5	64QAM	12	7	20.34	20.56	20.57	21.20
5	64QAM	12	13	20.31	20.52	20.39	21.20
5	64QAM	25	0	20.28	20.51	20.37	21.20
5	256QAM	1	0	19.51	19.56	19.53	20.20
5	256QAM	1	12	19.59	19.72	19.66	20.20
5	256QAM	1	24	19.44	19.52	19.47	20.20
5	256QAM	12	0	19.35	19.58	19.51	20.20
5	256QAM	12	7	19.47	19.66	19.51	20.20
5	256QAM	12	13	19.52	19.70	19.62	20.20
5	256QAM	25	0	19.42	19.63	19.42	20.20
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.60	20.68	20.72	21.20
3	QPSK	1	8	20.33	20.63	20.52	21.20
3	QPSK	1	14	20.44	20.62	20.51	21.20
3	QPSK	8	0	20.54	20.68	20.51	21.20
3	QPSK	8	4	20.38	20.49	20.49	21.20
3	QPSK	8	7	20.51	20.59	20.49	21.20
3	QPSK	15	0	20.50	20.65	20.60	21.20
3	16QAM	1	0	20.47	20.65	20.64	21.20
3	16QAM	1	8	20.55	20.49	20.51	21.20
3	16QAM	1	14	20.37	20.47	20.34	21.20
3	16QAM	8	0	20.49	20.63	20.51	21.20
3	16QAM	8	4	20.44	20.64	20.49	21.20
3	16QAM	8	7	20.36	20.63	20.43	21.20
3	16QAM	15	0	20.59	20.71	20.51	21.20
3	64QAM	1	0	20.40	20.52	20.49	21.20
3	64QAM	1	8	20.39	20.60	20.50	21.20
3	64QAM	1	14	20.40	20.55	20.44	21.20
3	64QAM	8	0	20.53	20.56	20.48	21.20
3	64QAM	8	4	20.44	20.61	20.59	21.20
3	64QAM	8	7	20.31	20.50	20.37	21.20
3	64QAM	15	0	20.39	20.50	20.36	21.20
3	256QAM	1	0	19.43	19.59	19.44	20.20
3	256QAM	1	8	19.55	19.74	19.71	20.20
3	256QAM	1	14	19.36	19.52	19.50	20.20
3	256QAM	8	0	19.36	19.59	19.49	20.20
3	256QAM	8	4	19.43	19.60	19.56	20.20
3	256QAM	8	7	19.50	19.66	19.57	20.20
3	256QAM	15	0	19.39	19.56	19.38	20.20
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.69	20.72	20.64	21.20
1.4	QPSK	1	3	20.43	20.54	20.53	21.20
1.4	QPSK	1	5	20.40	20.51	20.42	21.20
1.4	QPSK	3	0	20.54	20.72	20.49	21.20
1.4	QPSK	3	1	20.44	20.53	20.49	21.20
1.4	QPSK	3	3	20.44	20.59	20.46	21.20
1.4	QPSK	6	0	20.44	20.63	20.55	21.20
1.4	16QAM	1	0	20.49	20.65	20.56	21.20
1.4	16QAM	1	3	20.54	20.61	20.46	21.20
1.4	16QAM	1	5	20.50	20.56	20.36	21.20
1.4	16QAM	3	0	20.51	20.70	20.54	21.20
1.4	16QAM	3	1	20.55	20.52	20.48	21.20
1.4	16QAM	3	3	20.44	20.64	20.37	21.20
1.4	16QAM	6	0	20.56	20.68	20.56	21.20

1.4	64QAM	1	0	20.46	20.64	20.44	21.20
1.4	64QAM	1	3	20.44	20.63	20.49	21.20
1.4	64QAM	1	5	20.45	20.55	20.40	21.20
1.4	64QAM	3	0	20.51	20.61	20.54	21.20
1.4	64QAM	3	1	20.38	20.58	20.52	21.20
1.4	64QAM	3	3	20.28	20.44	20.49	21.20
1.4	64QAM	6	0	20.28	20.50	20.34	21.20
1.4	256QAM	1	0	19.48	19.55	19.54	20.20
1.4	256QAM	1	3	19.57	19.69	19.61	20.20
1.4	256QAM	1	5	19.43	19.63	19.41	20.20
1.4	256QAM	3	0	19.44	19.63	19.55	20.20
1.4	256QAM	3	1	19.37	19.57	19.55	20.20
1.4	256QAM	3	3	19.56	19.73	19.66	20.20
1.4	256QAM	6	0	19.48	19.61	19.50	20.20

【LTE Band 4_Ant 7_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.32	18.35	18.30	19.50
20	QPSK	1	49	18.18	18.29	18.23	19.50
20	QPSK	1	99	18.26	18.33	18.15	19.50
20	QPSK	50	0	18.16	18.33	18.26	19.50
20	QPSK	50	24	18.14	18.21	18.03	19.50
20	QPSK	50	50	18.03	18.19	18.09	19.50
20	QPSK	100	0	18.31	18.36	18.24	19.50
20	16QAM	1	0	18.18	18.31	18.24	19.50
20	16QAM	1	49	18.24	18.32	18.23	19.50
20	16QAM	1	99	18.06	18.19	18.12	19.50
20	16QAM	50	0	18.11	18.19	18.04	19.50
20	16QAM	50	24	18.26	18.41	18.33	19.50
20	16QAM	50	50	18.11	18.19	18.00	19.50
20	16QAM	100	0	18.22	18.26	18.15	19.50
20	64QAM	1	0	18.06	18.22	18.13	19.50
20	64QAM	1	49	18.21	18.37	18.24	19.50
20	64QAM	1	99	18.16	18.33	18.26	19.50
20	64QAM	50	0	18.17	18.23	18.11	19.50
20	64QAM	50	24	18.20	18.25	18.05	19.50
20	64QAM	50	50	18.28	18.35	18.28	19.50
20	64QAM	100	0	18.22	18.30	18.14	19.50
20	256QAM	1	0	18.17	18.22	18.10	19.50
20	256QAM	1	49	17.98	18.13	18.04	19.50
20	256QAM	1	99	18.20	18.27	18.13	19.50
20	256QAM	50	0	17.97	18.11	18.03	19.50
20	256QAM	50	24	18.16	18.24	18.16	19.50
20	256QAM	50	50	18.17	18.24	18.06	19.50
20	256QAM	100	0	18.19	18.24	18.14	19.50
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.28	18.30	18.23	19.50
15	QPSK	1	37	18.06	18.20	18.16	19.50
15	QPSK	1	74	18.18	18.29	18.10	19.50
15	QPSK	36	0	18.04	18.29	18.17	19.50
15	QPSK	36	20	18.03	18.19	17.98	19.50
15	QPSK	36	39	17.91	18.11	18.07	19.50
15	QPSK	75	0	18.25	18.24	18.19	19.50
15	16QAM	1	0	18.10	18.18	18.23	19.50
15	16QAM	1	37	18.12	18.20	18.14	19.50
15	16QAM	1	74	18.05	18.15	18.08	19.50
15	16QAM	36	0	17.96	18.08	17.95	19.50
15	16QAM	36	20	18.22	18.29	18.22	19.50
15	16QAM	36	39	18.07	18.14	17.88	19.50
15	16QAM	75	0	18.10	18.18	18.07	19.50
15	64QAM	1	0	17.99	18.12	18.05	19.50
15	64QAM	1	37	18.06	18.32	18.19	19.50
15	64QAM	1	74	18.12	18.22	18.22	19.50
15	64QAM	36	0	18.07	18.21	18.04	19.50
15	64QAM	36	20	18.09	18.10	17.96	19.50

15	64QAM	36	39	18.18	18.29	18.21	19.50
15	64QAM	75	0	18.11	18.26	18.03	19.50
15	256QAM	1	0	18.14	18.16	18.05	19.50
15	256QAM	1	37	17.93	17.99	17.96	19.50
15	256QAM	1	74	18.11	18.16	18.11	19.50
15	256QAM	36	0	17.91	17.97	17.93	19.50
15	256QAM	36	20	18.14	18.12	18.07	19.50
15	256QAM	36	39	18.06	18.17	17.91	19.50
15	256QAM	75	0	18.08	18.10	18.09	19.50
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.26	18.24	18.29	19.50
10	QPSK	1	25	18.04	18.18	18.17	19.50
10	QPSK	1	49	18.18	18.31	18.04	19.50
10	QPSK	25	0	18.03	18.22	18.25	19.50
10	QPSK	25	12	18.00	18.06	17.93	19.50
10	QPSK	25	25	17.97	18.10	18.04	19.50
10	QPSK	50	0	18.24	18.32	18.22	19.50
10	16QAM	1	0	18.17	18.25	18.10	19.50
10	16QAM	1	25	18.21	18.20	18.15	19.50
10	16QAM	1	49	17.96	18.08	18.08	19.50
10	16QAM	25	0	17.98	18.09	18.01	19.50
10	16QAM	25	12	18.20	18.29	18.23	19.50
10	16QAM	25	25	18.08	18.15	17.96	19.50
10	16QAM	50	0	18.15	18.13	18.00	19.50
10	64QAM	1	0	17.91	18.19	18.01	19.50
10	64QAM	1	25	18.16	18.22	18.14	19.50
10	64QAM	1	49	18.02	18.19	18.20	19.50
10	64QAM	25	0	18.09	18.12	18.03	19.50
10	64QAM	25	12	18.15	18.12	17.97	19.50
10	64QAM	25	25	18.18	18.23	18.19	19.50
10	64QAM	50	0	18.19	18.27	18.11	19.50
10	256QAM	1	0	18.03	18.11	18.09	19.50
10	256QAM	1	25	17.95	18.01	17.97	19.50
10	256QAM	1	49	18.10	18.17	18.10	19.50
10	256QAM	25	0	17.94	18.03	17.89	19.50
10	256QAM	25	12	18.02	18.13	18.10	19.50
10	256QAM	25	25	18.04	18.22	17.93	19.50
10	256QAM	50	0	18.10	18.12	18.04	19.50
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.18	18.26	18.20	19.50
5	QPSK	1	12	18.04	18.22	18.15	19.50
5	QPSK	1	24	18.17	18.25	18.13	19.50
5	QPSK	12	0	18.06	18.26	18.23	19.50
5	QPSK	12	7	18.05	18.11	17.93	19.50
5	QPSK	12	13	17.91	18.08	18.07	19.50
5	QPSK	25	0	18.20	18.33	18.13	19.50
5	16QAM	1	0	18.13	18.23	18.16	19.50
5	16QAM	1	12	18.18	18.28	18.11	19.50
5	16QAM	1	24	17.94	18.10	18.02	19.50
5	16QAM	12	0	17.97	18.09	18.00	19.50
5	16QAM	12	7	18.22	18.28	18.27	19.50
5	16QAM	12	13	17.99	18.09	17.87	19.50
5	16QAM	25	0	18.11	18.20	18.09	19.50
5	64QAM	1	0	17.98	18.19	18.12	19.50
5	64QAM	1	12	18.20	18.33	18.13	19.50
5	64QAM	1	24	18.09	18.26	18.18	19.50
5	64QAM	12	0	18.08	18.21	17.98	19.50
5	64QAM	12	7	18.12	18.15	18.00	19.50
5	64QAM	12	13	18.15	18.20	18.22	19.50
5	64QAM	25	0	18.19	18.20	18.10	19.50
5	256QAM	1	0	18.15	18.19	18.02	19.50
5	256QAM	1	12	17.91	18.02	18.02	19.50
5	256QAM	1	24	18.12	18.23	18.03	19.50
5	256QAM	12	0	17.88	18.08	18.00	19.50
5	256QAM	12	7	18.02	18.15	18.04	19.50
5	256QAM	12	13	18.05	18.21	17.93	19.50
5	256QAM	25	0	18.04	18.19	18.06	19.50
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.18	18.20	18.29	19.50
3	QPSK	1	8	18.12	18.21	18.17	19.50
3	QPSK	1	14	18.12	18.29	18.06	19.50

3	QPSK	8	0	18.03	18.19	18.17	19.50
3	QPSK	8	4	18.09	18.19	17.92	19.50
3	QPSK	8	7	17.99	18.18	17.95	19.50
3	QPSK	15	0	18.22	18.22	18.20	19.50
3	16QAM	1	0	18.05	18.16	18.18	19.50
3	16QAM	1	8	18.14	18.26	18.15	19.50
3	16QAM	1	14	17.99	18.08	18.05	19.50
3	16QAM	8	0	17.97	18.14	17.95	19.50
3	16QAM	8	4	18.24	18.35	18.23	19.50
3	16QAM	8	7	17.96	18.10	17.86	19.50
3	16QAM	15	0	18.09	18.19	18.08	19.50
3	64QAM	1	0	18.04	18.12	18.01	19.50
3	64QAM	1	8	18.18	18.26	18.13	19.50
3	64QAM	1	14	18.13	18.28	18.11	19.50
3	64QAM	8	0	18.09	18.11	18.02	19.50
3	64QAM	8	4	18.17	18.21	18.02	19.50
3	64QAM	8	7	18.26	18.31	18.24	19.50
3	64QAM	15	0	18.13	18.16	18.08	19.50
3	256QAM	1	0	18.11	18.13	18.07	19.50
3	256QAM	1	8	17.95	17.99	17.93	19.50
3	256QAM	1	14	18.13	18.25	18.10	19.50
3	256QAM	8	0	17.86	17.98	18.00	19.50
3	256QAM	8	4	18.02	18.15	18.08	19.50
3	256QAM	8	7	18.04	18.14	17.95	19.50
3	256QAM	15	0	18.18	18.12	18.03	19.50
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.28	18.21	18.20	19.50
1.4	QPSK	1	3	18.12	18.21	18.09	19.50
1.4	QPSK	1	5	18.12	18.31	18.00	19.50
1.4	QPSK	3	0	18.06	18.18	18.19	19.50
1.4	QPSK	3	1	18.01	18.09	17.98	19.50
1.4	QPSK	3	3	17.90	18.15	18.00	19.50
1.4	QPSK	6	0	18.27	18.31	18.14	19.50
1.4	16QAM	1	0	18.05	18.22	18.22	19.50
1.4	16QAM	1	3	18.21	18.26	18.17	19.50
1.4	16QAM	1	5	17.92	18.08	18.08	19.50
1.4	16QAM	3	0	18.00	18.09	17.90	19.50
1.4	16QAM	3	1	18.12	18.36	18.31	19.50
1.4	16QAM	3	3	18.09	18.14	17.90	19.50
1.4	16QAM	6	0	18.20	18.22	18.09	19.50
1.4	64QAM	1	0	17.91	18.18	17.98	19.50
1.4	64QAM	1	3	18.17	18.28	18.17	19.50
1.4	64QAM	1	5	18.10	18.30	18.13	19.50
1.4	64QAM	3	0	18.07	18.13	18.03	19.50
1.4	64QAM	3	1	18.13	18.10	18.00	19.50
1.4	64QAM	3	3	18.24	18.33	18.15	19.50
1.4	64QAM	6	0	18.14	18.25	18.05	19.50
1.4	256QAM	1	0	18.14	18.14	17.96	19.50
1.4	256QAM	1	3	17.86	18.05	17.93	19.50
1.4	256QAM	1	5	18.17	18.15	18.10	19.50
1.4	256QAM	3	0	17.86	17.99	17.96	19.50
1.4	256QAM	3	1	18.03	18.10	18.05	19.50
1.4	256QAM	3	3	18.09	18.10	17.96	19.50
1.4	256QAM	6	0	18.11	18.23	18.09	19.50

【LTE Band 4_Ant 7_DSI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.78	18.82	18.80	19.20
20	QPSK	1	49	18.65	18.71	18.61	19.20
20	QPSK	1	99	18.60	18.72	18.59	19.20
20	QPSK	50	0	18.70	18.78	18.71	19.20
20	QPSK	50	24	18.63	18.74	18.60	19.20
20	QPSK	50	50	18.61	18.68	18.55	19.20
20	QPSK	100	0	18.63	18.76	18.66	19.20
20	16QAM	1	0	18.60	18.74	18.69	19.20

20	16QAM	1	49	18.61	18.75	18.66	19.20
20	16QAM	1	99	18.50	18.64	18.57	19.20
20	16QAM	50	0	18.69	18.82	18.74	19.20
20	16QAM	50	24	18.50	18.64	18.49	19.20
20	16QAM	50	50	18.72	18.79	18.69	19.20
20	16QAM	100	0	18.61	18.78	18.68	19.20
20	64QAM	1	0	18.46	18.60	18.45	19.20
20	64QAM	1	49	18.46	18.61	18.53	19.20
20	64QAM	1	99	18.51	18.70	18.61	19.20
20	64QAM	50	0	18.66	18.76	18.69	19.20
20	64QAM	50	24	18.70	18.76	18.66	19.20
20	64QAM	50	50	18.54	18.67	18.57	19.20
20	64QAM	100	0	18.49	18.60	18.53	19.20
20	256QAM	1	0	18.66	18.75	18.64	19.20
20	256QAM	1	49	18.68	18.79	18.70	19.20
20	256QAM	1	99	18.63	18.78	18.66	19.20
20	256QAM	50	0	18.58	18.63	18.55	19.20
20	256QAM	50	24	18.65	18.77	18.66	19.20
20	256QAM	50	50	18.57	18.64	18.58	19.20
20	256QAM	100	0	18.70	18.82	18.76	19.20
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.75	18.78	18.66	19.20
15	QPSK	1	37	18.61	18.64	18.53	19.20
15	QPSK	1	74	18.59	18.65	18.55	19.20
15	QPSK	36	0	18.64	18.75	18.62	19.20
15	QPSK	36	20	18.48	18.66	18.46	19.20
15	QPSK	36	39	18.47	18.63	18.52	19.20
15	QPSK	75	0	18.58	18.72	18.64	19.20
15	16QAM	1	0	18.54	18.65	18.66	19.20
15	16QAM	1	37	18.51	18.63	18.63	19.20
15	16QAM	1	74	18.45	18.57	18.50	19.20
15	16QAM	36	0	18.66	18.68	18.67	19.20
15	16QAM	36	20	18.44	18.58	18.35	19.20
15	16QAM	36	39	18.59	18.68	18.59	19.20
15	16QAM	75	0	18.57	18.73	18.66	19.20
15	64QAM	1	0	18.42	18.51	18.44	19.20
15	64QAM	1	37	18.32	18.60	18.38	19.20
15	64QAM	1	74	18.39	18.66	18.47	19.20
15	64QAM	36	0	18.52	18.74	18.59	19.20
15	64QAM	36	20	18.58	18.72	18.60	19.20
15	64QAM	36	39	18.52	18.66	18.45	19.20
15	64QAM	75	0	18.46	18.57	18.44	19.20
15	256QAM	1	0	18.60	18.60	18.58	19.20
15	256QAM	1	37	18.57	18.71	18.64	19.20
15	256QAM	1	74	18.59	18.74	18.53	19.20
15	256QAM	36	0	18.45	18.54	18.42	19.20
15	256QAM	36	20	18.52	18.69	18.63	19.20
15	256QAM	36	39	18.49	18.60	18.45	19.20
15	256QAM	75	0	18.62	18.75	18.63	19.20
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.75	18.73	18.67	19.20
10	QPSK	1	25	18.61	18.65	18.56	19.20
10	QPSK	1	49	18.55	18.71	18.56	19.20
10	QPSK	25	0	18.65	18.73	18.66	19.20
10	QPSK	25	12	18.61	18.60	18.51	19.20
10	QPSK	25	25	18.48	18.56	18.46	19.20
10	QPSK	50	0	18.55	18.67	18.55	19.20
10	16QAM	1	0	18.56	18.71	18.61	19.20
10	16QAM	1	25	18.50	18.60	18.51	19.20
10	16QAM	1	49	18.45	18.58	18.42	19.20
10	16QAM	25	0	18.58	18.68	18.66	19.20
10	16QAM	25	12	18.37	18.61	18.39	19.20
10	16QAM	25	25	18.66	18.67	18.61	19.20
10	16QAM	50	0	18.47	18.64	18.62	19.20
10	64QAM	1	0	18.36	18.58	18.32	19.20
10	64QAM	1	25	18.37	18.55	18.42	19.20
10	64QAM	1	49	18.45	18.55	18.50	19.20
10	64QAM	25	0	18.62	18.73	18.62	19.20
10	64QAM	25	12	18.61	18.68	18.59	19.20
10	64QAM	25	25	18.47	18.60	18.55	19.20
10	64QAM	50	0	18.46	18.51	18.42	19.20
10	256QAM	1	0	18.60	18.64	18.51	19.20

10	256QAM	1	25	18.56	18.72	18.67	19.20
10	256QAM	1	49	18.62	18.69	18.59	19.20
10	256QAM	25	0	18.43	18.58	18.51	19.20
10	256QAM	25	12	18.54	18.71	18.52	19.20
10	256QAM	25	25	18.46	18.59	18.55	19.20
10	256QAM	50	0	18.65	18.71	18.67	19.20
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.65	18.67	18.72	19.20
5	QPSK	1	12	18.59	18.63	18.57	19.20
5	QPSK	1	24	18.59	18.67	18.53	19.20
5	QPSK	12	0	18.56	18.67	18.69	19.20
5	QPSK	12	7	18.50	18.71	18.47	19.20
5	QPSK	12	13	18.53	18.61	18.53	19.20
5	QPSK	25	0	18.49	18.72	18.64	19.20
5	16QAM	1	0	18.50	18.61	18.61	19.20
5	16QAM	1	12	18.57	18.66	18.52	19.20
5	16QAM	1	24	18.38	18.53	18.47	19.20
5	16QAM	12	0	18.66	18.75	18.60	19.20
5	16QAM	12	7	18.47	18.55	18.43	19.20
5	16QAM	12	13	18.65	18.70	18.55	19.20
5	16QAM	25	0	18.53	18.67	18.55	19.20
5	64QAM	1	0	18.35	18.53	18.34	19.20
5	64QAM	1	12	18.32	18.56	18.40	19.20
5	64QAM	1	24	18.38	18.65	18.51	19.20
5	64QAM	12	0	18.54	18.68	18.61	19.20
5	64QAM	12	7	18.57	18.71	18.52	19.20
5	64QAM	12	13	18.47	18.52	18.54	19.20
5	64QAM	25	0	18.46	18.53	18.44	19.20
5	256QAM	1	0	18.64	18.73	18.61	19.20
5	256QAM	1	12	18.58	18.74	18.60	19.20
5	256QAM	1	24	18.58	18.65	18.55	19.20
5	256QAM	12	0	18.51	18.55	18.50	19.20
5	256QAM	12	7	18.55	18.69	18.53	19.20
5	256QAM	12	13	18.53	18.54	18.44	19.20
5	256QAM	25	0	18.63	18.74	18.73	19.20
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.67	18.76	18.72	19.20
3	QPSK	1	8	18.62	18.65	18.46	19.20
3	QPSK	1	14	18.57	18.59	18.52	19.20
3	QPSK	8	0	18.63	18.70	18.57	19.20
3	QPSK	8	4	18.60	18.66	18.59	19.20
3	QPSK	8	7	18.54	18.53	18.42	19.20
3	QPSK	15	0	18.51	18.64	18.52	19.20
3	16QAM	1	0	18.46	18.66	18.64	19.20
3	16QAM	1	8	18.49	18.74	18.51	19.20
3	16QAM	1	14	18.44	18.54	18.43	19.20
3	16QAM	8	0	18.57	18.80	18.68	19.20
3	16QAM	8	4	18.43	18.53	18.39	19.20
3	16QAM	8	7	18.65	18.76	18.58	19.20
3	16QAM	15	0	18.57	18.63	18.61	19.20
3	64QAM	1	0	18.44	18.55	18.34	19.20
3	64QAM	1	8	18.41	18.48	18.51	19.20
3	64QAM	1	14	18.39	18.59	18.48	19.20
3	64QAM	8	0	18.52	18.73	18.64	19.20
3	64QAM	8	4	18.57	18.74	18.61	19.20
3	64QAM	8	7	18.45	18.52	18.46	19.20
3	64QAM	15	0	18.40	18.51	18.51	19.20
3	256QAM	1	0	18.51	18.68	18.51	19.20
3	256QAM	1	8	18.58	18.72	18.69	19.20
3	256QAM	1	14	18.56	18.74	18.62	19.20
3	256QAM	8	0	18.48	18.56	18.41	19.20
3	256QAM	8	4	18.56	18.64	18.54	19.20
3	256QAM	8	7	18.53	18.57	18.47	19.20
3	256QAM	15	0	18.59	18.79	18.70	19.20
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.66	18.73	18.79	19.20
1.4	QPSK	1	3	18.53	18.66	18.55	19.20
1.4	QPSK	1	5	18.58	18.63	18.50	19.20
1.4	QPSK	3	0	18.55	18.75	18.65	19.20
1.4	QPSK	3	1	18.56	18.66	18.52	19.20
1.4	QPSK	3	3	18.50	18.56	18.43	19.20

1.4	QPSK	6	0	18.50	18.63	18.54	19.20
1.4	16QAM	1	0	18.52	18.65	18.60	19.20
1.4	16QAM	1	3	18.53	18.71	18.61	19.20
1.4	16QAM	1	5	18.43	18.53	18.42	19.20
1.4	16QAM	3	0	18.55	18.80	18.64	19.20
1.4	16QAM	3	1	18.44	18.61	18.40	19.20
1.4	16QAM	3	3	18.63	18.71	18.65	19.20
1.4	16QAM	6	0	18.48	18.74	18.64	19.20
1.4	64QAM	1	0	18.37	18.54	18.31	19.20
1.4	64QAM	1	3	18.44	18.57	18.45	19.20
1.4	64QAM	1	5	18.45	18.69	18.54	19.20
1.4	64QAM	3	0	18.52	18.75	18.54	19.20
1.4	64QAM	3	1	18.59	18.70	18.53	19.20
1.4	64QAM	3	3	18.52	18.55	18.45	19.20
1.4	64QAM	6	0	18.40	18.47	18.40	19.20
1.4	256QAM	1	0	18.59	18.71	18.54	19.20
1.4	256QAM	1	3	18.62	18.71	18.67	19.20
1.4	256QAM	1	5	18.52	18.73	18.54	19.20
1.4	256QAM	3	0	18.44	18.48	18.47	19.20
1.4	256QAM	3	1	18.62	18.74	18.58	19.20
1.4	256QAM	3	3	18.45	18.51	18.50	19.20
1.4	256QAM	6	0	18.58	18.67	18.65	19.20

【LTE Band 5_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	25.18	25.36	25.32	25.70
10	QPSK	1	25	25.10	25.35	25.30	25.70
10	QPSK	1	49	24.85	25.15	24.98	25.70
10	QPSK	25	0	24.08	24.34	24.25	24.70
10	QPSK	25	12	24.07	24.34	24.19	24.70
10	QPSK	25	25	24.07	24.28	24.14	24.70
10	QPSK	50	0	24.04	24.31	24.17	24.70
10	16QAM	1	0	24.41	24.61	24.45	24.70
10	16QAM	1	25	24.26	24.50	24.45	24.70
10	16QAM	1	49	24.13	24.44	24.28	24.70
10	16QAM	25	0	23.14	23.39	23.27	23.70
10	16QAM	25	12	23.16	23.34	23.18	23.70
10	16QAM	25	25	23.12	23.38	23.25	23.70
10	16QAM	50	0	23.14	23.44	23.35	23.70
10	64QAM	1	0	23.34	23.58	23.52	23.70
10	64QAM	1	25	23.36	23.60	23.46	23.70
10	64QAM	1	49	23.01	23.30	23.12	23.70
10	64QAM	25	0	22.15	22.35	22.18	22.70
10	64QAM	25	12	22.22	22.39	22.25	22.70
10	64QAM	25	25	22.13	22.31	22.21	22.70
10	64QAM	50	0	22.08	22.31	22.19	22.70
10	256QAM	1	0	20.22	20.38	20.22	20.70
10	256QAM	1	25	20.08	20.37	20.28	20.70
10	256QAM	1	49	20.06	20.34	20.26	20.70
10	256QAM	25	0	20.07	20.31	20.19	20.70
10	256QAM	25	12	20.10	20.39	20.26	20.70
10	256QAM	25	25	20.01	20.25	20.19	20.70
10	256QAM	50	0	19.99	20.26	20.12	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	25.13	25.34	25.27	25.70
5	QPSK	1	12	25.03	25.29	25.28	25.70
5	QPSK	1	24	24.83	25.06	24.95	25.70
5	QPSK	12	0	23.98	24.24	24.10	24.70
5	QPSK	12	7	24.05	24.28	24.13	24.70
5	QPSK	12	13	24.05	24.23	24.00	24.70
5	QPSK	25	0	24.01	24.27	24.03	24.70
5	16QAM	1	0	24.33	24.54	24.32	24.70
5	16QAM	1	12	24.13	24.45	24.35	24.70
5	16QAM	1	24	24.10	24.41	24.23	24.70
5	16QAM	12	0	23.10	23.33	23.21	23.70

5	16QAM	12	7	23.04	23.26	23.04	23.70
5	16QAM	12	13	23.06	23.29	23.22	23.70
5	16QAM	25	0	23.05	23.31	23.34	23.70
5	64QAM	1	0	23.25	23.52	23.38	23.70
5	64QAM	1	12	23.25	23.46	23.34	23.70
5	64QAM	1	24	22.92	23.23	23.10	23.70
5	64QAM	12	0	22.06	22.34	22.16	22.70
5	64QAM	12	7	22.09	22.32	22.13	22.70
5	64QAM	12	13	22.06	22.28	22.09	22.70
5	64QAM	25	0	22.05	22.22	22.08	22.70
5	256QAM	1	0	20.20	20.26	20.17	20.70
5	256QAM	1	12	19.96	20.23	20.20	20.70
5	256QAM	1	24	19.94	20.23	20.22	20.70
5	256QAM	12	0	20.01	20.25	20.14	20.70
5	256QAM	12	7	20.02	20.27	20.21	20.70
5	256QAM	12	13	19.89	20.18	20.05	20.70
5	256QAM	25	0	19.93	20.15	20.07	20.70
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	25.07	25.31	25.28	25.70
3	QPSK	1	8	25.01	25.27	25.15	25.70
3	QPSK	1	14	24.72	25.13	24.90	25.70
3	QPSK	8	0	23.91	24.16	24.18	24.70
3	QPSK	8	4	24.03	24.33	24.24	24.70
3	QPSK	8	7	24.01	24.25	24.05	24.70
3	QPSK	15	0	23.98	24.29	24.15	24.70
3	16QAM	1	0	24.27	24.57	24.39	24.70
3	16QAM	1	8	24.23	24.43	24.43	24.70
3	16QAM	1	14	24.07	24.36	24.18	24.70
3	16QAM	8	0	23.02	23.35	23.13	23.70
3	16QAM	8	4	23.06	23.23	23.12	23.70
3	16QAM	8	7	22.97	23.33	23.20	23.70
3	16QAM	15	0	23.03	23.36	23.21	23.70
3	64QAM	1	0	23.28	23.45	23.43	23.70
3	64QAM	1	8	23.25	23.46	23.33	23.70
3	64QAM	1	14	22.97	23.18	23.03	23.70
3	64QAM	8	0	22.01	22.28	22.12	22.70
3	64QAM	8	4	22.12	22.30	22.13	22.70
3	64QAM	8	7	22.08	22.23	22.11	22.70
3	64QAM	15	0	21.96	22.27	22.09	22.70
3	256QAM	1	0	20.11	20.27	20.14	20.70
3	256QAM	1	8	19.96	20.36	20.22	20.70
3	256QAM	1	14	20.05	20.32	20.25	20.70
3	256QAM	8	0	19.94	20.19	20.12	20.70
3	256QAM	8	4	20.03	20.35	20.14	20.70
3	256QAM	8	7	19.94	20.17	20.16	20.70
3	256QAM	15	0	19.90	20.16	20.10	20.70
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	25.09	25.31	25.30	25.70
1.4	QPSK	1	3	24.95	25.25	25.23	25.70
1.4	QPSK	1	5	24.70	25.08	24.94	25.70
1.4	QPSK	3	0	24.94	25.23	25.17	25.70
1.4	QPSK	3	1	25.01	25.19	25.17	25.70
1.4	QPSK	3	3	24.97	25.14	25.02	25.70
1.4	QPSK	6	0	23.98	24.29	24.15	24.70
1.4	16QAM	1	0	24.39	24.59	24.30	24.70
1.4	16QAM	1	3	24.17	24.44	24.40	24.70
1.4	16QAM	1	5	23.99	24.39	24.23	24.70
1.4	16QAM	3	0	24.02	24.35	24.22	24.70
1.4	16QAM	3	1	24.12	24.24	24.13	24.70
1.4	16QAM	3	3	24.09	24.24	24.11	24.70
1.4	16QAM	6	0	23.04	23.33	23.23	23.70
1.4	64QAM	1	0	23.32	23.51	23.44	23.70
1.4	64QAM	1	3	23.23	23.52	23.32	23.70
1.4	64QAM	1	5	22.96	23.24	23.06	23.70
1.4	64QAM	3	0	23.10	23.28	23.04	23.70
1.4	64QAM	3	1	23.19	23.27	23.18	23.70
1.4	64QAM	3	3	23.10	23.28	23.20	23.70
1.4	64QAM	6	0	21.98	22.20	22.04	22.70
1.4	256QAM	1	0	20.09	20.30	20.17	20.70
1.4	256QAM	1	3	20.03	20.34	20.25	20.70
1.4	256QAM	1	5	20.04	20.27	20.13	20.70
1.4	256QAM	3	0	19.94	20.24	20.06	20.70

1.4	256QAM	3	1	19.98	20.28	20.19	20.70
1.4	256QAM	3	3	19.94	20.20	20.07	20.70
1.4	256QAM	6	0	19.91	20.18	20.03	20.70

【LTE Band 5_Ant 0_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.43	24.44	24.39	25.00
10	QPSK	1	25	24.20	24.27	24.16	25.00
10	QPSK	1	49	24.32	24.38	24.20	25.00
10	QPSK	25	0	23.33	23.42	23.27	24.00
10	QPSK	25	12	23.15	23.22	23.15	24.00
10	QPSK	25	25	23.16	23.30	23.22	24.00
10	QPSK	50	0	23.30	23.38	23.26	24.00
10	16QAM	1	0	23.12	23.22	23.05	24.00
10	16QAM	1	25	23.23	23.25	23.16	24.00
10	16QAM	1	49	23.15	23.26	23.19	24.00
10	16QAM	25	0	22.36	22.47	22.29	23.00
10	16QAM	25	12	22.33	22.40	22.28	23.00
10	16QAM	25	25	22.27	22.38	22.19	23.00
10	16QAM	50	0	22.46	22.50	22.33	23.00
10	64QAM	1	0	22.23	22.34	22.19	23.00
10	64QAM	1	25	22.32	22.46	22.31	23.00
10	64QAM	1	49	22.39	22.42	22.31	23.00
10	64QAM	25	0	21.55	21.62	21.50	22.00
10	64QAM	25	12	21.33	21.41	21.30	22.00
10	64QAM	25	25	21.45	21.56	21.48	22.00
10	64QAM	50	0	21.42	21.49	21.41	22.00
10	256QAM	1	0	19.63	19.78	19.61	20.00
10	256QAM	1	25	19.63	19.71	19.57	20.00
10	256QAM	1	49	19.50	19.63	19.44	20.00
10	256QAM	25	0	19.65	19.71	19.56	20.00
10	256QAM	25	12	19.70	19.76	19.71	20.00
10	256QAM	25	25	19.44	19.57	19.45	20.00
10	256QAM	50	0	19.71	19.73	19.55	20.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.32	24.39	24.33	25.00
5	QPSK	1	12	24.14	24.17	24.06	25.00
5	QPSK	1	24	24.27	24.32	24.13	25.00
5	QPSK	12	0	23.27	23.30	23.23	24.00
5	QPSK	12	7	23.07	23.12	23.12	24.00
5	QPSK	12	13	23.12	23.24	23.20	24.00
5	QPSK	25	0	23.17	23.35	23.24	24.00
5	16QAM	1	0	23.02	23.14	22.98	24.00
5	16QAM	1	12	23.09	23.15	23.03	24.00
5	16QAM	1	24	23.04	23.15	23.18	24.00
5	16QAM	12	0	22.31	22.42	22.26	23.00
5	16QAM	12	7	22.30	22.33	22.24	23.00
5	16QAM	12	13	22.14	22.25	22.06	23.00
5	16QAM	25	0	22.32	22.40	22.21	23.00
5	64QAM	1	0	22.20	22.25	22.14	23.00
5	64QAM	1	12	22.30	22.35	22.17	23.00
5	64QAM	1	24	22.30	22.33	22.29	23.00
5	64QAM	12	0	21.51	21.59	21.38	22.00
5	64QAM	12	7	21.29	21.39	21.15	22.00
5	64QAM	12	13	21.42	21.53	21.36	22.00
5	64QAM	25	0	21.34	21.42	21.36	22.00
5	256QAM	1	0	19.53	19.66	19.54	20.00
5	256QAM	1	12	19.59	19.63	19.45	20.00
5	256QAM	1	24	19.43	19.49	19.37	20.00
5	256QAM	12	0	19.57	19.61	19.52	20.00
5	256QAM	12	7	19.67	19.73	19.65	20.00
5	256QAM	12	13	19.39	19.50	19.39	20.00
5	256QAM	25	0	19.62	19.69	19.48	20.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	

3	QPSK	1	0	24.29	24.36	24.29	25.00
3	QPSK	1	8	24.07	24.12	24.15	25.00
3	QPSK	1	14	24.30	24.28	24.17	25.00
3	QPSK	8	0	23.28	23.37	23.17	24.00
3	QPSK	8	4	23.07	23.20	23.11	24.00
3	QPSK	8	7	23.10	23.17	23.08	24.00
3	QPSK	15	0	23.20	23.34	23.17	24.00
3	16QAM	1	0	23.10	23.20	22.97	24.00
3	16QAM	1	8	23.09	23.18	23.06	24.00
3	16QAM	1	14	23.13	23.17	23.07	24.00
3	16QAM	8	0	22.26	22.40	22.26	23.00
3	16QAM	8	4	22.24	22.32	22.22	23.00
3	16QAM	8	7	22.17	22.25	22.07	23.00
3	16QAM	15	0	22.37	22.39	22.20	23.00
3	64QAM	1	0	22.11	22.31	22.13	23.00
3	64QAM	1	8	22.25	22.32	22.23	23.00
3	64QAM	1	14	22.36	22.41	22.29	23.00
3	64QAM	8	0	21.42	21.53	21.36	22.00
3	64QAM	8	4	21.22	21.33	21.16	22.00
3	64QAM	8	7	21.42	21.45	21.41	22.00
3	64QAM	15	0	21.34	21.35	21.36	22.00
3	256QAM	1	0	19.60	19.71	19.56	20.00
3	256QAM	1	8	19.58	19.66	19.45	20.00
3	256QAM	1	14	19.39	19.48	19.40	20.00
3	256QAM	8	0	19.60	19.69	19.52	20.00
3	256QAM	8	4	19.69	19.63	19.56	20.00
3	256QAM	8	7	19.41	19.44	19.34	20.00
3	256QAM	15	0	19.61	19.64	19.46	20.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.36	24.42	24.32	25.00
1.4	QPSK	1	3	24.08	24.23	24.05	25.00
1.4	QPSK	1	5	24.19	24.31	24.07	25.00
1.4	QPSK	3	0	24.27	24.35	24.18	25.00
1.4	QPSK	3	1	24.00	24.16	24.06	25.00
1.4	QPSK	3	3	24.13	24.17	24.14	25.00
1.4	QPSK	6	0	23.27	23.24	23.23	24.00
1.4	16QAM	1	0	23.07	23.07	22.93	24.00
1.4	16QAM	1	3	23.18	23.12	23.02	24.00
1.4	16QAM	1	5	23.11	23.23	23.05	24.00
1.4	16QAM	3	0	23.24	23.41	23.16	24.00
1.4	16QAM	3	1	23.27	23.36	23.25	24.00
1.4	16QAM	3	3	23.12	23.27	23.15	24.00
1.4	16QAM	6	0	22.36	22.44	22.23	23.00
1.4	64QAM	1	0	22.18	22.27	22.17	23.00
1.4	64QAM	1	3	22.27	22.40	22.26	23.00
1.4	64QAM	1	5	22.28	22.32	22.17	23.00
1.4	64QAM	3	0	22.54	22.55	22.42	23.00
1.4	64QAM	3	1	22.28	22.30	22.21	23.00
1.4	64QAM	3	3	22.31	22.46	22.34	23.00
1.4	64QAM	6	0	21.39	21.41	21.30	22.00
1.4	256QAM	1	0	19.58	19.76	19.58	20.00
1.4	256QAM	1	3	19.56	19.59	19.54	20.00
1.4	256QAM	1	5	19.47	19.56	19.36	20.00
1.4	256QAM	3	0	19.63	19.61	19.53	20.00
1.4	256QAM	3	1	19.62	19.73	19.65	20.00
1.4	256QAM	3	3	19.40	19.47	19.41	20.00
1.4	256QAM	6	0	19.60	19.62	19.46	20.00

【LTE Band 5_Ant 0_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	25.18	25.36	25.32	25.70
10	QPSK	1	25	25.10	25.35	25.30	25.70
10	QPSK	1	49	24.85	25.15	24.98	25.70
10	QPSK	25	0	24.08	24.34	24.25	24.70
10	QPSK	25	12	24.07	24.34	24.19	24.70
10	QPSK	25	25	24.07	24.28	24.14	24.70
10	QPSK	50	0	24.04	24.31	24.17	24.70
10	16QAM	1	0	24.41	24.61	24.45	24.70
10	16QAM	1	25	24.26	24.50	24.45	24.70
10	16QAM	1	49	24.13	24.44	24.28	24.70
10	16QAM	25	0	23.14	23.39	23.27	23.70
10	16QAM	25	12	23.16	23.34	23.18	23.70
10	16QAM	25	25	23.12	23.38	23.25	23.70
10	16QAM	50	0	23.14	23.44	23.35	23.70
10	64QAM	1	0	23.34	23.58	23.52	23.70
10	64QAM	1	25	23.36	23.60	23.46	23.70
10	64QAM	1	49	23.01	23.30	23.12	23.70
10	64QAM	25	0	22.15	22.35	22.18	22.70
10	64QAM	25	12	22.22	22.39	22.25	22.70
10	64QAM	25	25	22.13	22.31	22.21	22.70
10	64QAM	50	0	22.08	22.31	22.19	22.70
10	256QAM	1	0	20.22	20.38	20.22	20.70
10	256QAM	1	25	20.08	20.37	20.28	20.70
10	256QAM	1	49	20.06	20.34	20.26	20.70
10	256QAM	25	0	20.07	20.31	20.19	20.70
10	256QAM	25	12	20.10	20.39	20.26	20.70
10	256QAM	25	25	20.01	20.25	20.19	20.70
10	256QAM	50	0	19.99	20.26	20.12	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	25.13	25.34	25.27	25.70
5	QPSK	1	12	25.03	25.29	25.28	25.70
5	QPSK	1	24	24.83	25.06	24.95	25.70
5	QPSK	12	0	23.98	24.24	24.10	24.70
5	QPSK	12	7	24.05	24.28	24.13	24.70
5	QPSK	12	13	24.05	24.23	24.00	24.70
5	QPSK	25	0	24.01	24.27	24.03	24.70
5	16QAM	1	0	24.33	24.54	24.32	24.70
5	16QAM	1	12	24.13	24.45	24.35	24.70
5	16QAM	1	24	24.10	24.41	24.23	24.70
5	16QAM	12	0	23.10	23.33	23.21	23.70
5	16QAM	12	7	23.04	23.26	23.04	23.70
5	16QAM	12	13	23.06	23.29	23.22	23.70
5	16QAM	25	0	23.05	23.31	23.34	23.70
5	64QAM	1	0	23.25	23.52	23.38	23.70
5	64QAM	1	12	23.25	23.46	23.34	23.70
5	64QAM	1	24	22.92	23.23	23.10	23.70
5	64QAM	12	0	22.06	22.34	22.16	22.70
5	64QAM	12	7	22.09	22.32	22.13	22.70
5	64QAM	12	13	22.06	22.28	22.09	22.70
5	64QAM	25	0	22.05	22.22	22.08	22.70
5	256QAM	1	0	20.20	20.26	20.17	20.70
5	256QAM	1	12	19.96	20.23	20.20	20.70
5	256QAM	1	24	19.94	20.23	20.22	20.70
5	256QAM	12	0	20.01	20.25	20.14	20.70
5	256QAM	12	7	20.02	20.27	20.21	20.70
5	256QAM	12	13	19.89	20.18	20.05	20.70
5	256QAM	25	0	19.93	20.15	20.07	20.70
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	25.07	25.31	25.28	25.70
3	QPSK	1	8	25.01	25.27	25.15	25.70
3	QPSK	1	14	24.72	25.13	24.90	25.70
3	QPSK	8	0	23.91	24.16	24.18	24.70
3	QPSK	8	4	24.03	24.33	24.24	24.70

3	QPSK	8	7	24.01	24.25	24.05	24.70
3	QPSK	15	0	23.98	24.29	24.15	24.70
3	16QAM	1	0	24.27	24.57	24.39	24.70
3	16QAM	1	8	24.23	24.43	24.43	24.70
3	16QAM	1	14	24.07	24.36	24.18	24.70
3	16QAM	8	0	23.02	23.35	23.13	23.70
3	16QAM	8	4	23.06	23.23	23.12	23.70
3	16QAM	8	7	22.97	23.33	23.20	23.70
3	16QAM	15	0	23.03	23.36	23.21	23.70
3	64QAM	1	0	23.28	23.45	23.43	23.70
3	64QAM	1	8	23.25	23.46	23.33	23.70
3	64QAM	1	14	22.97	23.18	23.03	23.70
3	64QAM	8	0	22.01	22.28	22.12	22.70
3	64QAM	8	4	22.12	22.30	22.13	22.70
3	64QAM	8	7	22.08	22.23	22.11	22.70
3	64QAM	15	0	21.96	22.27	22.09	22.70
3	256QAM	1	0	20.11	20.27	20.14	20.70
3	256QAM	1	8	19.96	20.36	20.22	20.70
3	256QAM	1	14	20.05	20.32	20.25	20.70
3	256QAM	8	0	19.94	20.19	20.12	20.70
3	256QAM	8	4	20.03	20.35	20.14	20.70
3	256QAM	8	7	19.94	20.17	20.16	20.70
3	256QAM	15	0	19.90	20.16	20.10	20.70
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	25.09	25.31	25.30	25.70
1.4	QPSK	1	3	24.95	25.25	25.23	25.70
1.4	QPSK	1	5	24.70	25.08	24.94	25.70
1.4	QPSK	3	0	24.94	25.23	25.17	25.70
1.4	QPSK	3	1	25.01	25.19	25.17	25.70
1.4	QPSK	3	3	24.97	25.14	25.02	25.70
1.4	QPSK	6	0	23.98	24.29	24.15	24.70
1.4	16QAM	1	0	24.39	24.59	24.30	24.70
1.4	16QAM	1	3	24.17	24.44	24.40	24.70
1.4	16QAM	1	5	23.99	24.39	24.23	24.70
1.4	16QAM	3	0	24.02	24.35	24.22	24.70
1.4	16QAM	3	1	24.12	24.24	24.13	24.70
1.4	16QAM	3	3	24.09	24.24	24.11	24.70
1.4	16QAM	6	0	23.04	23.33	23.23	23.70
1.4	64QAM	1	0	23.32	23.51	23.44	23.70
1.4	64QAM	1	3	23.23	23.52	23.32	23.70
1.4	64QAM	1	5	22.96	23.24	23.06	23.70
1.4	64QAM	3	0	23.10	23.28	23.04	23.70
1.4	64QAM	3	1	23.19	23.27	23.18	23.70
1.4	64QAM	3	3	23.10	23.28	23.20	23.70
1.4	64QAM	6	0	21.98	22.20	22.04	22.70
1.4	256QAM	1	0	20.09	20.30	20.17	20.70
1.4	256QAM	1	3	20.03	20.34	20.25	20.70
1.4	256QAM	1	5	20.04	20.27	20.13	20.70
1.4	256QAM	3	0	19.94	20.24	20.06	20.70
1.4	256QAM	3	1	19.98	20.28	20.19	20.70
1.4	256QAM	3	3	19.94	20.20	20.07	20.70
1.4	256QAM	6	0	19.91	20.18	20.03	20.70

【LTE Band 5_Ant 0_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.43	24.44	24.39	25.00
10	QPSK	1	25	24.20	24.27	24.16	25.00
10	QPSK	1	49	24.32	24.38	24.20	25.00
10	QPSK	25	0	23.33	23.42	23.27	24.00
10	QPSK	25	12	23.15	23.22	23.15	24.00
10	QPSK	25	25	23.16	23.30	23.22	24.00
10	QPSK	50	0	23.30	23.38	23.26	24.00
10	16QAM	1	0	23.12	23.22	23.05	24.00
10	16QAM	1	25	23.23	23.25	23.16	24.00
10	16QAM	1	49	23.15	23.26	23.19	24.00

10	16QAM	25	0	22.36	22.47	22.29	23.00
10	16QAM	25	12	22.33	22.40	22.28	23.00
10	16QAM	25	25	22.27	22.38	22.19	23.00
10	16QAM	50	0	22.46	22.50	22.33	23.00
10	64QAM	1	0	22.23	22.34	22.19	23.00
10	64QAM	1	25	22.32	22.46	22.31	23.00
10	64QAM	1	49	22.39	22.42	22.31	23.00
10	64QAM	25	0	21.55	21.62	21.50	22.00
10	64QAM	25	12	21.33	21.41	21.30	22.00
10	64QAM	25	25	21.45	21.56	21.48	22.00
10	64QAM	50	0	21.42	21.49	21.41	22.00
10	256QAM	1	0	19.63	19.78	19.61	20.00
10	256QAM	1	25	19.63	19.71	19.57	20.00
10	256QAM	1	49	19.50	19.63	19.44	20.00
10	256QAM	25	0	19.65	19.71	19.56	20.00
10	256QAM	25	12	19.70	19.76	19.71	20.00
10	256QAM	25	25	19.44	19.57	19.45	20.00
10	256QAM	50	0	19.71	19.73	19.55	20.00
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.32	24.39	24.33	25.00
5	QPSK	1	12	24.14	24.17	24.06	25.00
5	QPSK	1	24	24.27	24.32	24.13	25.00
5	QPSK	12	0	23.27	23.30	23.23	24.00
5	QPSK	12	7	23.07	23.12	23.12	24.00
5	QPSK	12	13	23.12	23.24	23.20	24.00
5	QPSK	25	0	23.17	23.35	23.24	24.00
5	16QAM	1	0	23.02	23.14	22.98	24.00
5	16QAM	1	12	23.09	23.15	23.03	24.00
5	16QAM	1	24	23.04	23.15	23.18	24.00
5	16QAM	12	0	22.31	22.42	22.26	23.00
5	16QAM	12	7	22.30	22.33	22.24	23.00
5	16QAM	12	13	22.14	22.25	22.06	23.00
5	16QAM	25	0	22.32	22.40	22.21	23.00
5	64QAM	1	0	22.20	22.25	22.14	23.00
5	64QAM	1	12	22.30	22.35	22.17	23.00
5	64QAM	1	24	22.30	22.33	22.29	23.00
5	64QAM	12	0	21.51	21.59	21.38	22.00
5	64QAM	12	7	21.29	21.39	21.15	22.00
5	64QAM	12	13	21.42	21.53	21.36	22.00
5	64QAM	25	0	21.34	21.42	21.36	22.00
5	256QAM	1	0	19.53	19.66	19.54	20.00
5	256QAM	1	12	19.59	19.63	19.45	20.00
5	256QAM	1	24	19.43	19.49	19.37	20.00
5	256QAM	12	0	19.57	19.61	19.52	20.00
5	256QAM	12	7	19.67	19.73	19.65	20.00
5	256QAM	12	13	19.39	19.50	19.39	20.00
5	256QAM	25	0	19.62	19.69	19.48	20.00
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.29	24.36	24.29	25.00
3	QPSK	1	8	24.07	24.12	24.15	25.00
3	QPSK	1	14	24.30	24.28	24.17	25.00
3	QPSK	8	0	23.28	23.37	23.17	24.00
3	QPSK	8	4	23.07	23.20	23.11	24.00
3	QPSK	8	7	23.10	23.17	23.08	24.00
3	QPSK	15	0	23.20	23.34	23.17	24.00
3	16QAM	1	0	23.10	23.20	22.97	24.00
3	16QAM	1	8	23.09	23.18	23.06	24.00
3	16QAM	1	14	23.13	23.17	23.07	24.00
3	16QAM	8	0	22.26	22.40	22.26	23.00
3	16QAM	8	4	22.24	22.32	22.22	23.00
3	16QAM	8	7	22.17	22.25	22.07	23.00
3	16QAM	15	0	22.37	22.39	22.20	23.00
3	64QAM	1	0	22.11	22.31	22.13	23.00
3	64QAM	1	8	22.25	22.32	22.23	23.00
3	64QAM	1	14	22.36	22.41	22.29	23.00
3	64QAM	8	0	21.42	21.53	21.36	22.00
3	64QAM	8	4	21.22	21.33	21.16	22.00
3	64QAM	8	7	21.42	21.45	21.41	22.00
3	64QAM	15	0	21.34	21.35	21.36	22.00
3	256QAM	1	0	19.60	19.71	19.56	20.00
3	256QAM	1	8	19.58	19.66	19.45	20.00
3	256QAM	1	14	19.39	19.48	19.40	20.00

3	256QAM	8	0	19.60	19.69	19.52	20.00
3	256QAM	8	4	19.69	19.63	19.56	20.00
3	256QAM	8	7	19.41	19.44	19.34	20.00
3	256QAM	15	0	19.61	19.64	19.46	20.00
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.36	24.42	24.32	25.00
1.4	QPSK	1	3	24.08	24.23	24.05	25.00
1.4	QPSK	1	5	24.19	24.31	24.07	25.00
1.4	QPSK	3	0	24.27	24.35	24.18	25.00
1.4	QPSK	3	1	24.00	24.16	24.06	25.00
1.4	QPSK	3	3	24.13	24.17	24.14	25.00
1.4	QPSK	6	0	23.27	23.24	23.23	24.00
1.4	16QAM	1	0	23.07	23.07	22.93	24.00
1.4	16QAM	1	3	23.18	23.12	23.02	24.00
1.4	16QAM	1	5	23.11	23.23	23.05	24.00
1.4	16QAM	3	0	23.24	23.41	23.16	24.00
1.4	16QAM	3	1	23.27	23.36	23.25	24.00
1.4	16QAM	3	3	23.12	23.27	23.15	24.00
1.4	16QAM	6	0	22.36	22.44	22.23	23.00
1.4	64QAM	1	0	22.18	22.27	22.17	23.00
1.4	64QAM	1	3	22.27	22.40	22.26	23.00
1.4	64QAM	1	5	22.28	22.32	22.17	23.00
1.4	64QAM	3	0	22.54	22.55	22.42	23.00
1.4	64QAM	3	1	22.28	22.30	22.21	23.00
1.4	64QAM	3	3	22.31	22.46	22.34	23.00
1.4	64QAM	6	0	21.39	21.41	21.30	22.00
1.4	256QAM	1	0	19.58	19.76	19.58	20.00
1.4	256QAM	1	3	19.56	19.59	19.54	20.00
1.4	256QAM	1	5	19.47	19.56	19.36	20.00
1.4	256QAM	3	0	19.63	19.61	19.53	20.00
1.4	256QAM	3	1	19.62	19.73	19.65	20.00
1.4	256QAM	3	3	19.40	19.47	19.41	20.00
1.4	256QAM	6	0	19.60	19.62	19.46	20.00

【LTE Band 5_Ant 0_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.50	24.68	24.64	25.20
10	QPSK	1	25	24.42	24.60	24.62	25.20
10	QPSK	1	49	24.50	24.66	24.64	25.20
10	QPSK	25	0	24.08	24.34	24.25	24.70
10	QPSK	25	12	24.07	24.34	24.19	24.70
10	QPSK	25	25	24.07	24.28	24.14	24.70
10	QPSK	50	0	24.04	24.31	24.17	24.70
10	16QAM	1	0	24.41	24.61	24.45	24.70
10	16QAM	1	25	24.26	24.50	24.45	24.70
10	16QAM	1	49	24.13	24.44	24.28	24.70
10	16QAM	25	0	23.14	23.39	23.27	23.70
10	16QAM	25	12	23.16	23.34	23.18	23.70
10	16QAM	25	25	23.12	23.38	23.25	23.70
10	16QAM	50	0	23.14	23.44	23.35	23.70
10	64QAM	1	0	23.34	23.58	23.52	23.70
10	64QAM	1	25	23.36	23.60	23.46	23.70
10	64QAM	1	49	23.01	23.30	23.12	23.70
10	64QAM	25	0	22.15	22.35	22.18	22.70
10	64QAM	25	12	22.22	22.39	22.25	22.70
10	64QAM	25	25	22.13	22.31	22.21	22.70
10	64QAM	50	0	22.08	22.31	22.19	22.70
10	256QAM	1	0	20.22	20.38	20.22	20.70
10	256QAM	1	25	20.08	20.37	20.28	20.70
10	256QAM	1	49	20.06	20.34	20.26	20.70
10	256QAM	25	0	20.07	20.31	20.19	20.70
10	256QAM	25	12	20.10	20.39	20.26	20.70
10	256QAM	25	25	20.01	20.25	20.19	20.70
10	256QAM	50	0	19.99	20.26	20.12	20.70
Channel				20425	20525	20625	Tune-up limit

Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	24.71	24.89	24.72	25.20
5	QPSK	1	12	24.60	24.77	24.73	25.20
5	QPSK	1	24	24.57	24.83	24.82	25.20
5	QPSK	12	0	23.97	24.27	24.18	24.70
5	QPSK	12	7	24.00	24.21	24.07	24.70
5	QPSK	12	13	23.97	24.24	24.03	24.70
5	QPSK	25	0	23.94	24.27	24.08	24.70
5	16QAM	1	0	24.28	24.59	24.34	24.70
5	16QAM	1	12	24.16	24.38	24.33	24.70
5	16QAM	1	24	24.03	24.33	24.19	24.70
5	16QAM	12	0	23.10	23.33	23.26	23.70
5	16QAM	12	7	23.14	23.29	23.14	23.70
5	16QAM	12	13	23.05	23.35	23.15	23.70
5	16QAM	25	0	23.09	23.29	23.26	23.70
5	64QAM	1	0	23.20	23.46	23.43	23.70
5	64QAM	1	12	23.23	23.58	23.33	23.70
5	64QAM	1	24	22.91	23.19	23.10	23.70
5	64QAM	12	0	22.09	22.20	22.15	22.70
5	64QAM	12	7	22.16	22.36	22.20	22.70
5	64QAM	12	13	21.99	22.27	22.14	22.70
5	64QAM	25	0	22.03	22.18	22.08	22.70
5	256QAM	1	0	20.11	20.24	20.15	20.70
5	256QAM	1	12	19.98	20.31	20.19	20.70
5	256QAM	1	24	20.03	20.24	20.16	20.70
5	256QAM	12	0	20.04	20.20	20.13	20.70
5	256QAM	12	7	20.02	20.36	20.18	20.70
5	256QAM	12	13	19.94	20.24	20.11	20.70
5	256QAM	25	0	19.94	20.15	19.97	20.70
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	24.63	24.87	24.78	25.20
3	QPSK	1	8	24.60	24.78	24.71	25.20
3	QPSK	1	14	24.69	24.76	24.78	25.20
3	QPSK	8	0	23.95	24.21	24.14	24.70
3	QPSK	8	4	24.00	24.27	24.10	24.70
3	QPSK	8	7	24.01	24.13	24.02	24.70
3	QPSK	15	0	23.98	24.24	24.08	24.70
3	16QAM	1	0	24.27	24.51	24.30	24.70
3	16QAM	1	8	24.17	24.42	24.38	24.70
3	16QAM	1	14	24.10	24.35	24.26	24.70
3	16QAM	8	0	23.02	23.34	23.12	23.70
3	16QAM	8	4	23.09	23.22	23.04	23.70
3	16QAM	8	7	23.06	23.32	23.20	23.70
3	16QAM	15	0	23.11	23.40	23.28	23.70
3	64QAM	1	0	23.31	23.48	23.38	23.70
3	64QAM	1	8	23.23	23.45	23.41	23.70
3	64QAM	1	14	22.90	23.26	23.02	23.70
3	64QAM	8	0	22.06	22.22	22.13	22.70
3	64QAM	8	4	22.20	22.30	22.13	22.70
3	64QAM	8	7	22.05	22.24	22.15	22.70
3	64QAM	15	0	21.98	22.18	22.09	22.70
3	256QAM	1	0	20.10	20.31	20.13	20.70
3	256QAM	1	8	20.05	20.33	20.22	20.70
3	256QAM	1	14	20.02	20.22	20.24	20.70
3	256QAM	8	0	19.96	20.22	20.09	20.70
3	256QAM	8	4	20.07	20.24	20.12	20.70
3	256QAM	8	7	19.87	20.11	20.17	20.70
3	256QAM	15	0	19.87	20.11	20.01	20.70
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.69	24.87	24.81	25.20
1.4	QPSK	1	3	24.62	24.74	24.75	25.20
1.4	QPSK	1	5	24.62	24.80	24.78	25.20
1.4	QPSK	3	0	24.43	24.78	24.65	25.20
1.4	QPSK	3	1	24.53	24.78	24.60	25.20
1.4	QPSK	3	3	24.54	24.63	24.59	25.20
1.4	QPSK	6	0	24.02	24.24	24.15	24.70
1.4	16QAM	1	0	24.39	24.57	24.31	24.70
1.4	16QAM	1	3	24.12	24.35	24.37	24.70
1.4	16QAM	1	5	24.08	24.36	24.20	24.70
1.4	16QAM	3	0	24.04	24.35	24.24	24.70
1.4	16QAM	3	1	24.05	24.30	24.16	24.70
1.4	16QAM	3	3	24.09	24.26	24.13	24.70

1.4	16QAM	6	0	23.11	23.40	23.31	23.70
1.4	64QAM	1	0	23.20	23.55	23.37	23.70
1.4	64QAM	1	3	23.29	23.51	23.38	23.70
1.4	64QAM	1	5	22.87	23.24	23.09	23.70
1.4	64QAM	3	0	23.13	23.34	23.07	23.70
1.4	64QAM	3	1	23.11	23.34	23.24	23.70
1.4	64QAM	3	3	23.00	23.24	23.11	23.70
1.4	64QAM	6	0	22.00	22.23	22.17	22.70
1.4	256QAM	1	0	20.15	20.26	20.12	20.70
1.4	256QAM	1	3	20.06	20.32	20.17	20.70
1.4	256QAM	1	5	19.97	20.28	20.20	20.70
1.4	256QAM	3	0	19.95	20.22	20.15	20.70
1.4	256QAM	3	1	19.98	20.38	20.23	20.70
1.4	256QAM	3	3	19.89	20.12	20.12	20.70
1.4	256QAM	6	0	19.88	20.19	20.02	20.70

【LTE Band 5_Ant 0_DSI3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.43	24.44	24.39	25.00
10	QPSK	1	25	24.20	24.27	24.16	25.00
10	QPSK	1	49	24.32	24.38	24.20	25.00
10	QPSK	25	0	23.33	23.42	23.27	24.00
10	QPSK	25	12	23.15	23.22	23.15	24.00
10	QPSK	25	25	23.16	23.30	23.22	24.00
10	QPSK	50	0	23.30	23.38	23.26	24.00
10	16QAM	1	0	23.12	23.22	23.05	24.00
10	16QAM	1	25	23.23	23.25	23.16	24.00
10	16QAM	1	49	23.15	23.26	23.19	24.00
10	16QAM	25	0	22.36	22.47	22.29	23.00
10	16QAM	25	12	22.33	22.40	22.28	23.00
10	16QAM	25	25	22.27	22.38	22.19	23.00
10	16QAM	50	0	22.46	22.50	22.33	23.00
10	64QAM	1	0	22.23	22.34	22.19	23.00
10	64QAM	1	25	22.32	22.46	22.31	23.00
10	64QAM	1	49	22.39	22.42	22.31	23.00
10	64QAM	25	0	21.55	21.62	21.50	22.00
10	64QAM	25	12	21.33	21.41	21.30	22.00
10	64QAM	25	25	21.45	21.56	21.48	22.00
10	64QAM	50	0	21.42	21.49	21.41	22.00
10	256QAM	1	0	19.63	19.78	19.61	20.00
10	256QAM	1	25	19.63	19.71	19.57	20.00
10	256QAM	1	49	19.50	19.63	19.44	20.00
10	256QAM	25	0	19.65	19.71	19.56	20.00
10	256QAM	25	12	19.70	19.76	19.71	20.00
10	256QAM	25	25	19.44	19.57	19.45	20.00
10	256QAM	50	0	19.71	19.73	19.55	20.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.32	24.39	24.33	25.00
5	QPSK	1	12	24.14	24.17	24.06	25.00
5	QPSK	1	24	24.27	24.32	24.13	25.00
5	QPSK	12	0	23.27	23.30	23.23	24.00
5	QPSK	12	7	23.07	23.12	23.12	24.00
5	QPSK	12	13	23.12	23.24	23.20	24.00
5	QPSK	25	0	23.17	23.35	23.24	24.00
5	16QAM	1	0	23.02	23.14	22.98	24.00
5	16QAM	1	12	23.09	23.15	23.03	24.00
5	16QAM	1	24	23.04	23.15	23.18	24.00
5	16QAM	12	0	22.31	22.42	22.26	23.00
5	16QAM	12	7	22.30	22.33	22.24	23.00
5	16QAM	12	13	22.14	22.25	22.06	23.00
5	16QAM	25	0	22.32	22.40	22.21	23.00
5	64QAM	1	0	22.20	22.25	22.14	23.00
5	64QAM	1	12	22.30	22.35	22.17	23.00
5	64QAM	1	24	22.30	22.33	22.29	23.00
5	64QAM	12	0	21.51	21.59	21.38	22.00

5	64QAM	12	7	21.29	21.39	21.15	22.00
5	64QAM	12	13	21.42	21.53	21.36	22.00
5	64QAM	25	0	21.34	21.42	21.36	22.00
5	256QAM	1	0	19.53	19.66	19.54	20.00
5	256QAM	1	12	19.59	19.63	19.45	20.00
5	256QAM	1	24	19.43	19.49	19.37	20.00
5	256QAM	12	0	19.57	19.61	19.52	20.00
5	256QAM	12	7	19.67	19.73	19.65	20.00
5	256QAM	12	13	19.39	19.50	19.39	20.00
5	256QAM	25	0	19.62	19.69	19.48	20.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.29	24.36	24.29	25.00
3	QPSK	1	8	24.07	24.12	24.15	25.00
3	QPSK	1	14	24.30	24.28	24.17	25.00
3	QPSK	8	0	23.28	23.37	23.17	24.00
3	QPSK	8	4	23.07	23.20	23.11	24.00
3	QPSK	8	7	23.10	23.17	23.08	24.00
3	QPSK	15	0	23.20	23.34	23.17	24.00
3	16QAM	1	0	23.10	23.20	22.97	24.00
3	16QAM	1	8	23.09	23.18	23.06	24.00
3	16QAM	1	14	23.13	23.17	23.07	24.00
3	16QAM	8	0	22.26	22.40	22.26	23.00
3	16QAM	8	4	22.24	22.32	22.22	23.00
3	16QAM	8	7	22.17	22.25	22.07	23.00
3	16QAM	15	0	22.37	22.39	22.20	23.00
3	64QAM	1	0	22.11	22.31	22.13	23.00
3	64QAM	1	8	22.25	22.32	22.23	23.00
3	64QAM	1	14	22.36	22.41	22.29	23.00
3	64QAM	8	0	21.42	21.53	21.36	22.00
3	64QAM	8	4	21.22	21.33	21.16	22.00
3	64QAM	8	7	21.42	21.45	21.41	22.00
3	64QAM	15	0	21.34	21.35	21.36	22.00
3	256QAM	1	0	19.60	19.71	19.56	20.00
3	256QAM	1	8	19.58	19.66	19.45	20.00
3	256QAM	1	14	19.39	19.48	19.40	20.00
3	256QAM	8	0	19.60	19.69	19.52	20.00
3	256QAM	8	4	19.69	19.63	19.56	20.00
3	256QAM	8	7	19.41	19.44	19.34	20.00
3	256QAM	15	0	19.61	19.64	19.46	20.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.36	24.42	24.32	25.00
1.4	QPSK	1	3	24.08	24.23	24.05	25.00
1.4	QPSK	1	5	24.19	24.31	24.07	25.00
1.4	QPSK	3	0	24.27	24.35	24.18	25.00
1.4	QPSK	3	1	24.00	24.16	24.06	25.00
1.4	QPSK	3	3	24.13	24.17	24.14	25.00
1.4	QPSK	6	0	23.27	23.24	23.23	24.00
1.4	16QAM	1	0	23.07	23.07	22.93	24.00
1.4	16QAM	1	3	23.18	23.12	23.02	24.00
1.4	16QAM	1	5	23.11	23.23	23.05	24.00
1.4	16QAM	3	0	23.24	23.41	23.16	24.00
1.4	16QAM	3	1	23.27	23.36	23.25	24.00
1.4	16QAM	3	3	23.12	23.27	23.15	24.00
1.4	16QAM	6	0	22.36	22.44	22.23	23.00
1.4	64QAM	1	0	22.18	22.27	22.17	23.00
1.4	64QAM	1	3	22.27	22.40	22.26	23.00
1.4	64QAM	1	5	22.28	22.32	22.17	23.00
1.4	64QAM	3	0	22.54	22.55	22.42	23.00
1.4	64QAM	3	1	22.28	22.30	22.21	23.00
1.4	64QAM	3	3	22.31	22.46	22.34	23.00
1.4	64QAM	6	0	21.39	21.41	21.30	22.00
1.4	256QAM	1	0	19.58	19.76	19.58	20.00
1.4	256QAM	1	3	19.56	19.59	19.54	20.00
1.4	256QAM	1	5	19.47	19.56	19.36	20.00
1.4	256QAM	3	0	19.63	19.61	19.53	20.00
1.4	256QAM	3	1	19.62	19.73	19.65	20.00
1.4	256QAM	3	3	19.40	19.47	19.41	20.00
1.4	256QAM	6	0	19.60	19.62	19.46	20.00

【LTE Band 5_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.50	24.68	24.64	25.20
10	QPSK	1	25	24.42	24.60	24.62	25.20
10	QPSK	1	49	24.50	24.66	24.64	25.20
10	QPSK	25	0	24.08	24.34	24.25	24.70
10	QPSK	25	12	24.07	24.34	24.19	24.70
10	QPSK	25	25	24.07	24.28	24.14	24.70
10	QPSK	50	0	24.04	24.31	24.17	24.70
10	16QAM	1	0	24.41	24.61	24.45	24.70
10	16QAM	1	25	24.26	24.50	24.45	24.70
10	16QAM	1	49	24.13	24.44	24.28	24.70
10	16QAM	25	0	23.14	23.39	23.27	23.70
10	16QAM	25	12	23.16	23.34	23.18	23.70
10	16QAM	25	25	23.12	23.38	23.25	23.70
10	16QAM	50	0	23.14	23.44	23.35	23.70
10	64QAM	1	0	23.34	23.58	23.52	23.70
10	64QAM	1	25	23.36	23.60	23.46	23.70
10	64QAM	1	49	23.01	23.30	23.12	23.70
10	64QAM	25	0	22.15	22.35	22.18	22.70
10	64QAM	25	12	22.22	22.39	22.25	22.70
10	64QAM	25	25	22.13	22.31	22.21	22.70
10	64QAM	50	0	22.08	22.31	22.19	22.70
10	256QAM	1	0	20.22	20.38	20.22	20.70
10	256QAM	1	25	20.08	20.37	20.28	20.70
10	256QAM	1	49	20.06	20.34	20.26	20.70
10	256QAM	25	0	20.07	20.31	20.19	20.70
10	256QAM	25	12	20.10	20.39	20.26	20.70
10	256QAM	25	25	20.01	20.25	20.19	20.70
10	256QAM	50	0	19.99	20.26	20.12	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.71	24.89	24.72	25.20
5	QPSK	1	12	24.60	24.77	24.73	25.20
5	QPSK	1	24	24.57	24.83	24.82	25.20
5	QPSK	12	0	23.97	24.27	24.18	24.70
5	QPSK	12	7	24.00	24.21	24.07	24.70
5	QPSK	12	13	23.97	24.24	24.03	24.70
5	QPSK	25	0	23.94	24.27	24.08	24.70
5	16QAM	1	0	24.28	24.59	24.34	24.70
5	16QAM	1	12	24.16	24.38	24.33	24.70
5	16QAM	1	24	24.03	24.33	24.19	24.70
5	16QAM	12	0	23.10	23.33	23.26	23.70
5	16QAM	12	7	23.14	23.29	23.14	23.70
5	16QAM	12	13	23.05	23.35	23.15	23.70
5	16QAM	25	0	23.09	23.29	23.26	23.70
5	64QAM	1	0	23.20	23.46	23.43	23.70
5	64QAM	1	12	23.23	23.58	23.33	23.70
5	64QAM	1	24	22.91	23.19	23.10	23.70
5	64QAM	12	0	22.09	22.20	22.15	22.70
5	64QAM	12	7	22.16	22.36	22.20	22.70
5	64QAM	12	13	21.99	22.27	22.14	22.70
5	64QAM	25	0	22.03	22.18	22.08	22.70
5	256QAM	1	0	20.11	20.24	20.15	20.70
5	256QAM	1	12	19.98	20.31	20.19	20.70
5	256QAM	1	24	20.03	20.24	20.16	20.70
5	256QAM	12	0	20.04	20.20	20.13	20.70
5	256QAM	12	7	20.02	20.36	20.18	20.70
5	256QAM	12	13	19.94	20.24	20.11	20.70
5	256QAM	25	0	19.94	20.15	19.97	20.70
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.63	24.87	24.78	25.20
3	QPSK	1	8	24.60	24.78	24.71	25.20
3	QPSK	1	14	24.69	24.76	24.78	25.20
3	QPSK	8	0	23.95	24.21	24.14	24.70
3	QPSK	8	4	24.00	24.27	24.10	24.70
3	QPSK	8	7	24.01	24.13	24.02	24.70
3	QPSK	15	0	23.98	24.24	24.08	24.70

3	16QAM	1	0	24.27	24.51	24.30	24.70
3	16QAM	1	8	24.17	24.42	24.38	24.70
3	16QAM	1	14	24.10	24.35	24.26	24.70
3	16QAM	8	0	23.02	23.34	23.12	23.70
3	16QAM	8	4	23.09	23.22	23.04	23.70
3	16QAM	8	7	23.06	23.32	23.20	23.70
3	16QAM	15	0	23.11	23.40	23.28	23.70
3	64QAM	1	0	23.31	23.48	23.38	23.70
3	64QAM	1	8	23.23	23.45	23.41	23.70
3	64QAM	1	14	22.90	23.26	23.02	23.70
3	64QAM	8	0	22.06	22.22	22.13	22.70
3	64QAM	8	4	22.20	22.30	22.13	22.70
3	64QAM	8	7	22.05	22.24	22.15	22.70
3	64QAM	15	0	21.98	22.18	22.09	22.70
3	256QAM	1	0	20.10	20.31	20.13	20.70
3	256QAM	1	8	20.05	20.33	20.22	20.70
3	256QAM	1	14	20.02	20.22	20.24	20.70
3	256QAM	8	0	19.96	20.22	20.09	20.70
3	256QAM	8	4	20.07	20.24	20.12	20.70
3	256QAM	8	7	19.87	20.11	20.17	20.70
3	256QAM	15	0	19.87	20.11	20.01	20.70
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.69	24.87	24.81	25.20
1.4	QPSK	1	3	24.62	24.74	24.75	25.20
1.4	QPSK	1	5	24.62	24.80	24.78	25.20
1.4	QPSK	3	0	24.43	24.78	24.65	25.20
1.4	QPSK	3	1	24.53	24.78	24.60	25.20
1.4	QPSK	3	3	24.54	24.63	24.59	25.20
1.4	QPSK	6	0	24.02	24.24	24.15	24.70
1.4	16QAM	1	0	24.39	24.57	24.31	24.70
1.4	16QAM	1	3	24.12	24.35	24.37	24.70
1.4	16QAM	1	5	24.08	24.36	24.20	24.70
1.4	16QAM	3	0	24.04	24.35	24.24	24.70
1.4	16QAM	3	1	24.05	24.30	24.16	24.70
1.4	16QAM	3	3	24.09	24.26	24.13	24.70
1.4	16QAM	6	0	23.11	23.40	23.31	23.70
1.4	64QAM	1	0	23.20	23.55	23.37	23.70
1.4	64QAM	1	3	23.29	23.51	23.38	23.70
1.4	64QAM	1	5	22.87	23.24	23.09	23.70
1.4	64QAM	3	0	23.13	23.34	23.07	23.70
1.4	64QAM	3	1	23.11	23.34	23.24	23.70
1.4	64QAM	3	3	23.00	23.24	23.11	23.70
1.4	64QAM	6	0	22.00	22.23	22.17	22.70
1.4	256QAM	1	0	20.15	20.26	20.12	20.70
1.4	256QAM	1	3	20.06	20.32	20.17	20.70
1.4	256QAM	1	5	19.97	20.28	20.20	20.70
1.4	256QAM	3	0	19.95	20.22	20.15	20.70
1.4	256QAM	3	1	19.98	20.38	20.23	20.70
1.4	256QAM	3	3	19.89	20.12	20.12	20.70
1.4	256QAM	6	0	19.88	20.19	20.02	20.70

【LTE Band 5_Ant 0_DSI4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.43	24.44	24.39	25.00
10	QPSK	1	25	24.20	24.27	24.16	25.00
10	QPSK	1	49	24.32	24.38	24.20	25.00
10	QPSK	25	0	23.33	23.42	23.27	24.00
10	QPSK	25	12	23.15	23.22	23.15	24.00
10	QPSK	25	25	23.16	23.30	23.22	24.00
10	QPSK	50	0	23.30	23.38	23.26	24.00
10	16QAM	1	0	23.12	23.22	23.05	24.00
10	16QAM	1	25	23.23	23.25	23.16	24.00
10	16QAM	1	49	23.15	23.26	23.19	24.00
10	16QAM	25	0	22.36	22.47	22.29	23.00
10	16QAM	25	12	22.33	22.40	22.28	23.00

10	16QAM	25	25	22.27	22.38	22.19	23.00
10	16QAM	50	0	22.46	22.50	22.33	23.00
10	64QAM	1	0	22.23	22.34	22.19	23.00
10	64QAM	1	25	22.32	22.46	22.31	23.00
10	64QAM	1	49	22.39	22.42	22.31	23.00
10	64QAM	25	0	21.55	21.62	21.50	22.00
10	64QAM	25	12	21.33	21.41	21.30	22.00
10	64QAM	25	25	21.45	21.56	21.48	22.00
10	64QAM	50	0	21.42	21.49	21.41	22.00
10	256QAM	1	0	19.63	19.78	19.61	20.00
10	256QAM	1	25	19.63	19.71	19.57	20.00
10	256QAM	1	49	19.50	19.63	19.44	20.00
10	256QAM	25	0	19.65	19.71	19.56	20.00
10	256QAM	25	12	19.70	19.76	19.71	20.00
10	256QAM	25	25	19.44	19.57	19.45	20.00
10	256QAM	50	0	19.71	19.73	19.55	20.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.32	24.39	24.33	25.00
5	QPSK	1	12	24.14	24.17	24.06	25.00
5	QPSK	1	24	24.27	24.32	24.13	25.00
5	QPSK	12	0	23.27	23.30	23.23	24.00
5	QPSK	12	7	23.07	23.12	23.12	24.00
5	QPSK	12	13	23.12	23.24	23.20	24.00
5	QPSK	25	0	23.17	23.35	23.24	24.00
5	16QAM	1	0	23.02	23.14	22.98	24.00
5	16QAM	1	12	23.09	23.15	23.03	24.00
5	16QAM	1	24	23.04	23.15	23.18	24.00
5	16QAM	12	0	22.31	22.42	22.26	23.00
5	16QAM	12	7	22.30	22.33	22.24	23.00
5	16QAM	12	13	22.14	22.25	22.06	23.00
5	16QAM	25	0	22.32	22.40	22.21	23.00
5	64QAM	1	0	22.20	22.25	22.14	23.00
5	64QAM	1	12	22.30	22.35	22.17	23.00
5	64QAM	1	24	22.30	22.33	22.29	23.00
5	64QAM	12	0	21.51	21.59	21.38	22.00
5	64QAM	12	7	21.29	21.39	21.15	22.00
5	64QAM	12	13	21.42	21.53	21.36	22.00
5	64QAM	25	0	21.34	21.42	21.36	22.00
5	256QAM	1	0	19.53	19.66	19.54	20.00
5	256QAM	1	12	19.59	19.63	19.45	20.00
5	256QAM	1	24	19.43	19.49	19.37	20.00
5	256QAM	12	0	19.57	19.61	19.52	20.00
5	256QAM	12	7	19.67	19.73	19.65	20.00
5	256QAM	12	13	19.39	19.50	19.39	20.00
5	256QAM	25	0	19.62	19.69	19.48	20.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.29	24.36	24.29	25.00
3	QPSK	1	8	24.07	24.12	24.15	25.00
3	QPSK	1	14	24.30	24.28	24.17	25.00
3	QPSK	8	0	23.28	23.37	23.17	24.00
3	QPSK	8	4	23.07	23.20	23.11	24.00
3	QPSK	8	7	23.10	23.17	23.08	24.00
3	QPSK	15	0	23.20	23.34	23.17	24.00
3	16QAM	1	0	23.10	23.20	22.97	24.00
3	16QAM	1	8	23.09	23.18	23.06	24.00
3	16QAM	1	14	23.13	23.17	23.07	24.00
3	16QAM	8	0	22.26	22.40	22.26	23.00
3	16QAM	8	4	22.24	22.32	22.22	23.00
3	16QAM	8	7	22.17	22.25	22.07	23.00
3	16QAM	15	0	22.37	22.39	22.20	23.00
3	64QAM	1	0	22.11	22.31	22.13	23.00
3	64QAM	1	8	22.25	22.32	22.23	23.00
3	64QAM	1	14	22.36	22.41	22.29	23.00
3	64QAM	8	0	21.42	21.53	21.36	22.00
3	64QAM	8	4	21.22	21.33	21.16	22.00
3	64QAM	8	7	21.42	21.45	21.41	22.00
3	64QAM	15	0	21.34	21.35	21.36	22.00
3	256QAM	1	0	19.60	19.71	19.56	20.00
3	256QAM	1	8	19.58	19.66	19.45	20.00
3	256QAM	1	14	19.39	19.48	19.40	20.00
3	256QAM	8	0	19.60	19.69	19.52	20.00
3	256QAM	8	4	19.69	19.63	19.56	20.00

3	256QAM	8	7	19.41	19.44	19.34	20.00
3	256QAM	15	0	19.61	19.64	19.46	20.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.36	24.42	24.32	25.00
1.4	QPSK	1	3	24.08	24.23	24.05	25.00
1.4	QPSK	1	5	24.19	24.31	24.07	25.00
1.4	QPSK	3	0	24.27	24.35	24.18	25.00
1.4	QPSK	3	1	24.00	24.16	24.06	25.00
1.4	QPSK	3	3	24.13	24.17	24.14	25.00
1.4	QPSK	6	0	23.27	23.24	23.23	24.00
1.4	16QAM	1	0	23.07	23.07	22.93	24.00
1.4	16QAM	1	3	23.18	23.12	23.02	24.00
1.4	16QAM	1	5	23.11	23.23	23.05	24.00
1.4	16QAM	3	0	23.24	23.41	23.16	24.00
1.4	16QAM	3	1	23.27	23.36	23.25	24.00
1.4	16QAM	3	3	23.12	23.27	23.15	24.00
1.4	16QAM	6	0	22.36	22.44	22.23	23.00
1.4	64QAM	1	0	22.18	22.27	22.17	23.00
1.4	64QAM	1	3	22.27	22.40	22.26	23.00
1.4	64QAM	1	5	22.28	22.32	22.17	23.00
1.4	64QAM	3	0	22.54	22.55	22.42	23.00
1.4	64QAM	3	1	22.28	22.30	22.21	23.00
1.4	64QAM	3	3	22.31	22.46	22.34	23.00
1.4	64QAM	6	0	21.39	21.41	21.30	22.00
1.4	256QAM	1	0	19.58	19.76	19.58	20.00
1.4	256QAM	1	3	19.56	19.59	19.54	20.00
1.4	256QAM	1	5	19.47	19.56	19.36	20.00
1.4	256QAM	3	0	19.63	19.61	19.53	20.00
1.4	256QAM	3	1	19.62	19.73	19.65	20.00
1.4	256QAM	3	3	19.40	19.47	19.41	20.00
1.4	256QAM	6	0	19.60	19.62	19.46	20.00

【LTE Band 5_Ant 0_DSI 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.50	24.68	24.64	25.20
10	QPSK	1	25	24.42	24.60	24.62	25.20
10	QPSK	1	49	24.50	24.66	24.64	25.20
10	QPSK	25	0	24.08	24.34	24.25	24.70
10	QPSK	25	12	24.07	24.34	24.19	24.70
10	QPSK	25	25	24.07	24.28	24.14	24.70
10	QPSK	50	0	24.04	24.31	24.17	24.70
10	16QAM	1	0	24.41	24.61	24.45	24.70
10	16QAM	1	25	24.26	24.50	24.45	24.70
10	16QAM	1	49	24.13	24.44	24.28	24.70
10	16QAM	25	0	23.14	23.39	23.27	23.70
10	16QAM	25	12	23.16	23.34	23.18	23.70
10	16QAM	25	25	23.12	23.38	23.25	23.70
10	16QAM	50	0	23.14	23.44	23.35	23.70
10	64QAM	1	0	23.34	23.58	23.52	23.70
10	64QAM	1	25	23.36	23.60	23.46	23.70
10	64QAM	1	49	23.01	23.30	23.12	23.70
10	64QAM	25	0	22.15	22.35	22.18	22.70
10	64QAM	25	12	22.22	22.39	22.25	22.70
10	64QAM	25	25	22.13	22.31	22.21	22.70
10	64QAM	50	0	22.08	22.31	22.19	22.70
10	256QAM	1	0	20.22	20.38	20.22	20.70
10	256QAM	1	25	20.08	20.37	20.28	20.70
10	256QAM	1	49	20.06	20.34	20.26	20.70
10	256QAM	25	0	20.07	20.31	20.19	20.70
10	256QAM	25	12	20.10	20.39	20.26	20.70
10	256QAM	25	25	20.01	20.25	20.19	20.70
10	256QAM	50	0	19.99	20.26	20.12	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.71	24.89	24.72	25.20

5	QPSK	1	12	24.60	24.77	24.73	25.20
5	QPSK	1	24	24.57	24.83	24.82	25.20
5	QPSK	12	0	23.97	24.27	24.18	24.70
5	QPSK	12	7	24.00	24.21	24.07	24.70
5	QPSK	12	13	23.97	24.24	24.03	24.70
5	QPSK	25	0	23.94	24.27	24.08	24.70
5	16QAM	1	0	24.28	24.59	24.34	24.70
5	16QAM	1	12	24.16	24.38	24.33	24.70
5	16QAM	1	24	24.03	24.33	24.19	24.70
5	16QAM	12	0	23.10	23.33	23.26	23.70
5	16QAM	12	7	23.14	23.29	23.14	23.70
5	16QAM	12	13	23.05	23.35	23.15	23.70
5	16QAM	25	0	23.09	23.29	23.26	23.70
5	64QAM	1	0	23.20	23.46	23.43	23.70
5	64QAM	1	12	23.23	23.58	23.33	23.70
5	64QAM	1	24	22.91	23.19	23.10	23.70
5	64QAM	12	0	22.09	22.20	22.15	22.70
5	64QAM	12	7	22.16	22.36	22.20	22.70
5	64QAM	12	13	21.99	22.27	22.14	22.70
5	64QAM	25	0	22.03	22.18	22.08	22.70
5	256QAM	1	0	20.11	20.24	20.15	20.70
5	256QAM	1	12	19.98	20.31	20.19	20.70
5	256QAM	1	24	20.03	20.24	20.16	20.70
5	256QAM	12	0	20.04	20.20	20.13	20.70
5	256QAM	12	7	20.02	20.36	20.18	20.70
5	256QAM	12	13	19.94	20.24	20.11	20.70
5	256QAM	25	0	19.94	20.15	19.97	20.70
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	24.63	24.87	24.78	25.20
3	QPSK	1	8	24.60	24.78	24.71	25.20
3	QPSK	1	14	24.69	24.76	24.78	25.20
3	QPSK	8	0	23.95	24.21	24.14	24.70
3	QPSK	8	4	24.00	24.27	24.10	24.70
3	QPSK	8	7	24.01	24.13	24.02	24.70
3	QPSK	15	0	23.98	24.24	24.08	24.70
3	16QAM	1	0	24.27	24.51	24.30	24.70
3	16QAM	1	8	24.17	24.42	24.38	24.70
3	16QAM	1	14	24.10	24.35	24.26	24.70
3	16QAM	8	0	23.02	23.34	23.12	23.70
3	16QAM	8	4	23.09	23.22	23.04	23.70
3	16QAM	8	7	23.06	23.32	23.20	23.70
3	16QAM	15	0	23.11	23.40	23.28	23.70
3	64QAM	1	0	23.31	23.48	23.38	23.70
3	64QAM	1	8	23.23	23.45	23.41	23.70
3	64QAM	1	14	22.90	23.26	23.02	23.70
3	64QAM	8	0	22.06	22.22	22.13	22.70
3	64QAM	8	4	22.20	22.30	22.13	22.70
3	64QAM	8	7	22.05	22.24	22.15	22.70
3	64QAM	15	0	21.98	22.18	22.09	22.70
3	256QAM	1	0	20.10	20.31	20.13	20.70
3	256QAM	1	8	20.05	20.33	20.22	20.70
3	256QAM	1	14	20.02	20.22	20.24	20.70
3	256QAM	8	0	19.96	20.22	20.09	20.70
3	256QAM	8	4	20.07	20.24	20.12	20.70
3	256QAM	8	7	19.87	20.11	20.17	20.70
3	256QAM	15	0	19.87	20.11	20.01	20.70
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	24.69	24.87	24.81	25.20
1.4	QPSK	1	3	24.62	24.74	24.75	25.20
1.4	QPSK	1	5	24.62	24.80	24.78	25.20
1.4	QPSK	3	0	24.43	24.78	24.65	25.20
1.4	QPSK	3	1	24.53	24.78	24.60	25.20
1.4	QPSK	3	3	24.54	24.63	24.59	25.20
1.4	QPSK	6	0	24.02	24.24	24.15	24.70
1.4	16QAM	1	0	24.39	24.57	24.31	24.70
1.4	16QAM	1	3	24.12	24.35	24.37	24.70
1.4	16QAM	1	5	24.08	24.36	24.20	24.70
1.4	16QAM	3	0	24.04	24.35	24.24	24.70
1.4	16QAM	3	1	24.05	24.30	24.16	24.70
1.4	16QAM	3	3	24.09	24.26	24.13	24.70
1.4	16QAM	6	0	23.11	23.40	23.31	23.70
1.4	64QAM	1	0	23.20	23.55	23.37	23.70

1.4	64QAM	1	3	23.29	23.51	23.38	23.70
1.4	64QAM	1	5	22.87	23.24	23.09	23.70
1.4	64QAM	3	0	23.13	23.34	23.07	23.70
1.4	64QAM	3	1	23.11	23.34	23.24	23.70
1.4	64QAM	3	3	23.00	23.24	23.11	23.70
1.4	64QAM	6	0	22.00	22.23	22.17	22.70
1.4	256QAM	1	0	20.15	20.26	20.12	20.70
1.4	256QAM	1	3	20.06	20.32	20.17	20.70
1.4	256QAM	1	5	19.97	20.28	20.20	20.70
1.4	256QAM	3	0	19.95	20.22	20.15	20.70
1.4	256QAM	3	1	19.98	20.38	20.23	20.70
1.4	256QAM	3	3	19.89	20.12	20.12	20.70
1.4	256QAM	6	0	19.88	20.19	20.02	20.70

【LTE Band 5_Ant 0_DSI5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.43	24.44	24.39	25.00
10	QPSK	1	25	24.20	24.27	24.16	25.00
10	QPSK	1	49	24.32	24.38	24.20	25.00
10	QPSK	25	0	23.33	23.42	23.27	24.00
10	QPSK	25	12	23.15	23.22	23.15	24.00
10	QPSK	25	25	23.16	23.30	23.22	24.00
10	QPSK	50	0	23.30	23.38	23.26	24.00
10	16QAM	1	0	23.12	23.22	23.05	24.00
10	16QAM	1	25	23.23	23.25	23.16	24.00
10	16QAM	1	49	23.15	23.26	23.19	24.00
10	16QAM	25	0	22.36	22.47	22.29	23.00
10	16QAM	25	12	22.33	22.40	22.28	23.00
10	16QAM	25	25	22.27	22.38	22.19	23.00
10	16QAM	50	0	22.46	22.50	22.33	23.00
10	64QAM	1	0	22.23	22.34	22.19	23.00
10	64QAM	1	25	22.32	22.46	22.31	23.00
10	64QAM	1	49	22.39	22.42	22.31	23.00
10	64QAM	25	0	21.55	21.62	21.50	22.00
10	64QAM	25	12	21.33	21.41	21.30	22.00
10	64QAM	25	25	21.45	21.56	21.48	22.00
10	64QAM	50	0	21.42	21.49	21.41	22.00
10	256QAM	1	0	19.63	19.78	19.61	20.00
10	256QAM	1	25	19.63	19.71	19.57	20.00
10	256QAM	1	49	19.50	19.63	19.44	20.00
10	256QAM	25	0	19.65	19.71	19.56	20.00
10	256QAM	25	12	19.70	19.76	19.71	20.00
10	256QAM	25	25	19.44	19.57	19.45	20.00
10	256QAM	50	0	19.71	19.73	19.55	20.00
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.32	24.39	24.33	25.00
5	QPSK	1	12	24.14	24.17	24.06	25.00
5	QPSK	1	24	24.27	24.32	24.13	25.00
5	QPSK	12	0	23.27	23.30	23.23	24.00
5	QPSK	12	7	23.07	23.12	23.12	24.00
5	QPSK	12	13	23.12	23.24	23.20	24.00
5	QPSK	25	0	23.17	23.35	23.24	24.00
5	16QAM	1	0	23.02	23.14	22.98	24.00
5	16QAM	1	12	23.09	23.15	23.03	24.00
5	16QAM	1	24	23.04	23.15	23.18	24.00
5	16QAM	12	0	22.31	22.42	22.26	23.00
5	16QAM	12	7	22.30	22.33	22.24	23.00
5	16QAM	12	13	22.14	22.25	22.06	23.00
5	16QAM	25	0	22.32	22.40	22.21	23.00
5	64QAM	1	0	22.20	22.25	22.14	23.00
5	64QAM	1	12	22.30	22.35	22.17	23.00
5	64QAM	1	24	22.30	22.33	22.29	23.00
5	64QAM	12	0	21.51	21.59	21.38	22.00
5	64QAM	12	7	21.29	21.39	21.15	22.00
5	64QAM	12	13	21.42	21.53	21.36	22.00

5	64QAM	25	0	21.34	21.42	21.36	22.00
5	256QAM	1	0	19.53	19.66	19.54	20.00
5	256QAM	1	12	19.59	19.63	19.45	20.00
5	256QAM	1	24	19.43	19.49	19.37	20.00
5	256QAM	12	0	19.57	19.61	19.52	20.00
5	256QAM	12	7	19.67	19.73	19.65	20.00
5	256QAM	12	13	19.39	19.50	19.39	20.00
5	256QAM	25	0	19.62	19.69	19.48	20.00
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.29	24.36	24.29	25.00
3	QPSK	1	8	24.07	24.12	24.15	25.00
3	QPSK	1	14	24.30	24.28	24.17	25.00
3	QPSK	8	0	23.28	23.37	23.17	24.00
3	QPSK	8	4	23.07	23.20	23.11	24.00
3	QPSK	8	7	23.10	23.17	23.08	24.00
3	QPSK	15	0	23.20	23.34	23.17	24.00
3	16QAM	1	0	23.10	23.20	22.97	24.00
3	16QAM	1	8	23.09	23.18	23.06	24.00
3	16QAM	1	14	23.13	23.17	23.07	24.00
3	16QAM	8	0	22.26	22.40	22.26	23.00
3	16QAM	8	4	22.24	22.32	22.22	23.00
3	16QAM	8	7	22.17	22.25	22.07	23.00
3	16QAM	15	0	22.37	22.39	22.20	23.00
3	64QAM	1	0	22.11	22.31	22.13	23.00
3	64QAM	1	8	22.25	22.32	22.23	23.00
3	64QAM	1	14	22.36	22.41	22.29	23.00
3	64QAM	8	0	21.42	21.53	21.36	22.00
3	64QAM	8	4	21.22	21.33	21.16	22.00
3	64QAM	8	7	21.42	21.45	21.41	22.00
3	64QAM	15	0	21.34	21.35	21.36	22.00
3	256QAM	1	0	19.60	19.71	19.56	20.00
3	256QAM	1	8	19.58	19.66	19.45	20.00
3	256QAM	1	14	19.39	19.48	19.40	20.00
3	256QAM	8	0	19.60	19.69	19.52	20.00
3	256QAM	8	4	19.69	19.63	19.56	20.00
3	256QAM	8	7	19.41	19.44	19.34	20.00
3	256QAM	15	0	19.61	19.64	19.46	20.00
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.36	24.42	24.32	25.00
1.4	QPSK	1	3	24.08	24.23	24.05	25.00
1.4	QPSK	1	5	24.19	24.31	24.07	25.00
1.4	QPSK	3	0	24.27	24.35	24.18	25.00
1.4	QPSK	3	1	24.00	24.16	24.06	25.00
1.4	QPSK	3	3	24.13	24.17	24.14	25.00
1.4	QPSK	6	0	23.27	23.24	23.23	24.00
1.4	16QAM	1	0	23.07	23.07	22.93	24.00
1.4	16QAM	1	3	23.18	23.12	23.02	24.00
1.4	16QAM	1	5	23.11	23.23	23.05	24.00
1.4	16QAM	3	0	23.24	23.41	23.16	24.00
1.4	16QAM	3	1	23.27	23.36	23.25	24.00
1.4	16QAM	3	3	23.12	23.27	23.15	24.00
1.4	16QAM	6	0	22.36	22.44	22.23	23.00
1.4	64QAM	1	0	22.18	22.27	22.17	23.00
1.4	64QAM	1	3	22.27	22.40	22.26	23.00
1.4	64QAM	1	5	22.28	22.32	22.17	23.00
1.4	64QAM	3	0	22.54	22.55	22.42	23.00
1.4	64QAM	3	1	22.28	22.30	22.21	23.00
1.4	64QAM	3	3	22.31	22.46	22.34	23.00
1.4	64QAM	6	0	21.39	21.41	21.30	22.00
1.4	256QAM	1	0	19.58	19.76	19.58	20.00
1.4	256QAM	1	3	19.56	19.59	19.54	20.00
1.4	256QAM	1	5	19.47	19.56	19.36	20.00
1.4	256QAM	3	0	19.63	19.61	19.53	20.00
1.4	256QAM	3	1	19.62	19.73	19.65	20.00
1.4	256QAM	3	3	19.40	19.47	19.41	20.00
1.4	256QAM	6	0	19.60	19.62	19.46	20.00

【LTE Band 5_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.98	25.10	24.94	25.70
10	QPSK	1	25	24.85	25.04	24.77	25.70
10	QPSK	1	49	24.85	25.08	24.79	25.70
10	QPSK	25	0	24.09	24.25	23.97	24.70
10	QPSK	25	12	24.02	24.23	23.97	24.70
10	QPSK	25	25	24.03	24.24	24.07	24.70
10	QPSK	50	0	23.98	24.23	24.03	24.70
10	16QAM	1	0	24.16	24.30	24.10	24.70
10	16QAM	1	25	24.38	24.58	24.34	24.70
10	16QAM	1	49	24.35	24.55	24.28	24.70
10	16QAM	25	0	22.96	23.20	23.04	23.70
10	16QAM	25	12	23.12	23.30	23.06	23.70
10	16QAM	25	25	23.18	23.32	23.07	23.70
10	16QAM	50	0	22.98	23.20	22.98	23.70
10	64QAM	1	0	23.10	23.25	23.01	23.70
10	64QAM	1	25	23.25	23.40	23.22	23.70
10	64QAM	1	49	23.11	23.25	23.02	23.70
10	64QAM	25	0	21.95	22.18	21.96	22.70
10	64QAM	25	12	22.07	22.23	21.98	22.70
10	64QAM	25	25	22.07	22.27	22.06	22.70
10	64QAM	50	0	22.03	22.27	21.99	22.70
10	256QAM	1	0	20.29	20.46	20.27	20.70
10	256QAM	1	25	20.06	20.29	20.11	20.70
10	256QAM	1	49	20.12	20.33	20.09	20.70
10	256QAM	25	0	19.91	20.15	19.91	20.70
10	256QAM	25	12	19.99	20.23	19.96	20.70
10	256QAM	25	25	20.12	20.28	20.01	20.70
10	256QAM	50	0	20.09	20.23	20.04	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.87	25.06	24.92	25.70
5	QPSK	1	12	24.78	24.93	24.64	25.70
5	QPSK	1	24	24.78	25.01	24.67	25.70
5	QPSK	12	0	23.97	24.11	23.86	24.70
5	QPSK	12	7	23.98	24.24	23.96	24.70
5	QPSK	12	13	23.92	24.23	24.00	24.70
5	QPSK	25	0	23.89	24.10	23.94	24.70
5	16QAM	1	0	24.15	24.16	24.06	24.70
5	16QAM	1	12	24.26	24.53	24.22	24.70
5	16QAM	1	24	24.21	24.49	24.16	24.70
5	16QAM	12	0	22.85	23.18	22.91	23.70
5	16QAM	12	7	23.02	23.29	22.98	23.70
5	16QAM	12	13	23.13	23.24	22.96	23.70
5	16QAM	25	0	22.92	23.07	22.89	23.70
5	64QAM	1	0	23.06	23.10	22.95	23.70
5	64QAM	1	12	23.20	23.26	23.12	23.70
5	64QAM	1	24	23.03	23.19	22.88	23.70
5	64QAM	12	0	21.93	22.05	21.81	22.70
5	64QAM	12	7	21.97	22.10	21.89	22.70
5	64QAM	12	13	21.97	22.23	21.98	22.70
5	64QAM	25	0	21.89	22.24	21.86	22.70
5	256QAM	1	0	20.26	20.35	20.25	20.70
5	256QAM	1	12	20.02	20.22	20.00	20.70
5	256QAM	1	24	20.05	20.25	19.95	20.70
5	256QAM	12	0	19.80	20.06	19.87	20.70
5	256QAM	12	7	19.90	20.10	19.84	20.70
5	256QAM	12	13	20.07	20.14	19.98	20.70
5	256QAM	25	0	20.05	20.18	19.92	20.70
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.88	25.06	24.81	25.70
3	QPSK	1	8	24.79	25.00	24.69	25.70
3	QPSK	1	14	24.78	24.99	24.66	25.70
3	QPSK	8	0	24.03	24.20	23.82	24.70
3	QPSK	8	4	23.98	24.20	23.91	24.70
3	QPSK	8	7	23.90	24.17	24.02	24.70

3	QPSK	15	0	23.89	24.17	23.99	24.70
3	16QAM	1	0	24.02	24.20	23.96	24.70
3	16QAM	1	8	24.32	24.47	24.28	24.70
3	16QAM	1	14	24.29	24.52	24.26	24.70
3	16QAM	8	0	22.89	23.09	22.96	23.70
3	16QAM	8	4	22.98	23.24	22.97	23.70
3	16QAM	8	7	23.13	23.27	23.04	23.70
3	16QAM	15	0	22.89	23.13	22.92	23.70
3	64QAM	1	0	23.05	23.21	22.98	23.70
3	64QAM	1	8	23.22	23.29	23.20	23.70
3	64QAM	1	14	23.10	23.15	22.99	23.70
3	64QAM	8	0	21.84	22.12	21.88	22.70
3	64QAM	8	4	22.02	22.20	21.86	22.70
3	64QAM	8	7	22.01	22.18	21.95	22.70
3	64QAM	15	0	21.88	22.23	21.96	22.70
3	256QAM	1	0	20.24	20.34	20.23	20.70
3	256QAM	1	8	19.96	20.24	20.08	20.70
3	256QAM	1	14	20.07	20.29	19.98	20.70
3	256QAM	8	0	19.89	20.00	19.81	20.70
3	256QAM	8	4	19.89	20.08	19.84	20.70
3	256QAM	8	7	19.98	20.15	19.94	20.70
3	256QAM	15	0	20.08	20.16	20.00	20.70
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.85	25.01	24.80	25.70
1.4	QPSK	1	3	24.76	25.03	24.73	25.70
1.4	QPSK	1	5	24.71	25.00	24.74	25.70
1.4	QPSK	3	0	25.03	25.16	24.91	25.70
1.4	QPSK	3	1	24.88	25.19	24.87	25.70
1.4	QPSK	3	3	24.91	25.17	25.05	25.70
1.4	QPSK	6	0	23.84	24.10	23.96	24.70
1.4	16QAM	1	0	24.05	24.25	23.98	24.70
1.4	16QAM	1	3	24.27	24.44	24.27	24.70
1.4	16QAM	1	5	24.24	24.53	24.22	24.70
1.4	16QAM	3	0	23.85	24.18	23.94	24.70
1.4	16QAM	3	1	24.01	24.23	23.98	24.70
1.4	16QAM	3	3	24.14	24.22	24.01	24.70
1.4	16QAM	6	0	22.86	23.16	22.93	23.70
1.4	64QAM	1	0	22.96	23.23	23.00	23.70
1.4	64QAM	1	3	23.22	23.37	23.15	23.70
1.4	64QAM	1	5	22.99	23.17	22.89	23.70
1.4	64QAM	3	0	22.93	23.11	22.91	23.70
1.4	64QAM	3	1	23.02	23.18	22.86	23.70
1.4	64QAM	3	3	23.00	23.26	23.04	23.70
1.4	64QAM	6	0	21.94	22.21	21.90	22.70
1.4	256QAM	1	0	20.18	20.33	20.25	20.70
1.4	256QAM	1	3	19.96	20.21	19.97	20.70
1.4	256QAM	1	5	20.09	20.22	19.99	20.70
1.4	256QAM	3	0	19.84	20.05	19.81	20.70
1.4	256QAM	3	1	19.93	20.16	19.88	20.70
1.4	256QAM	3	3	20.03	20.23	19.89	20.70
1.4	256QAM	6	0	19.97	20.08	19.95	20.70

【LTE Band 5_Ant 1_full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	25.33	25.37	25.30	25.70
10	QPSK	1	25	25.10	25.27	25.10	25.70
10	QPSK	1	49	25.08	25.22	25.03	25.70
10	QPSK	25	0	24.35	24.45	24.32	24.70
10	QPSK	25	12	24.24	24.36	24.24	24.70
10	QPSK	25	25	24.21	24.30	24.22	24.70
10	QPSK	50	0	24.32	24.40	24.19	24.70
10	16QAM	1	0	24.32	24.47	24.26	24.70
10	16QAM	1	25	24.29	24.41	24.29	24.70
10	16QAM	1	49	23.99	24.17	23.98	24.70
10	16QAM	25	0	23.44	23.53	23.37	23.70

10	16QAM	25	12	23.12	23.26	23.12	23.70
10	16QAM	25	25	23.24	23.33	23.22	23.70
10	16QAM	50	0	23.22	23.33	23.24	23.70
10	64QAM	1	0	23.28	23.33	23.20	23.70
10	64QAM	1	25	23.15	23.34	23.19	23.70
10	64QAM	1	49	23.16	23.32	23.15	23.70
10	64QAM	25	0	22.42	22.48	22.28	22.70
10	64QAM	25	12	22.29	22.42	22.28	22.70
10	64QAM	25	25	22.07	22.19	22.09	22.70
10	64QAM	50	0	22.38	22.45	22.35	22.70
10	256QAM	1	0	20.35	20.40	20.31	20.70
10	256QAM	1	25	20.23	20.37	20.28	20.70
10	256QAM	1	49	20.18	20.29	20.16	20.70
10	256QAM	25	0	20.14	20.25	20.16	20.70
10	256QAM	25	12	20.27	20.37	20.20	20.70
10	256QAM	25	25	20.41	20.46	20.31	20.70
10	256QAM	50	0	20.29	20.39	20.23	20.70
Channel				20425	20525	20625	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	(dBm)
5	QPSK	1	0	25.28	25.24	25.17	25.70
5	QPSK	1	12	24.96	25.16	24.96	25.70
5	QPSK	1	24	25.02	25.13	24.91	25.70
5	QPSK	12	0	24.24	24.39	24.28	24.70
5	QPSK	12	7	24.20	24.34	24.10	24.70
5	QPSK	12	13	24.15	24.24	24.12	24.70
5	QPSK	25	0	24.20	24.37	24.14	24.70
5	16QAM	1	0	24.21	24.36	24.23	24.70
5	16QAM	1	12	24.22	24.26	24.18	24.70
5	16QAM	1	24	23.92	24.12	23.86	24.70
5	16QAM	12	0	23.37	23.47	23.35	23.70
5	16QAM	12	7	23.05	23.19	23.02	23.70
5	16QAM	12	13	23.17	23.27	23.08	23.70
5	16QAM	25	0	23.19	23.25	23.17	23.70
5	64QAM	1	0	23.17	23.32	23.06	23.70
5	64QAM	1	12	23.08	23.22	23.09	23.70
5	64QAM	1	24	23.06	23.23	23.03	23.70
5	64QAM	12	0	22.30	22.45	22.21	22.70
5	64QAM	12	7	22.24	22.34	22.23	22.70
5	64QAM	12	13	22.01	22.06	21.98	22.70
5	64QAM	25	0	22.28	22.32	22.33	22.70
5	256QAM	1	0	20.23	20.35	20.27	20.70
5	256QAM	1	12	20.13	20.36	20.25	20.70
5	256QAM	1	24	20.13	20.14	20.05	20.70
5	256QAM	12	0	20.12	20.17	20.06	20.70
5	256QAM	12	7	20.16	20.32	20.13	20.70
5	256QAM	12	13	20.27	20.36	20.28	20.70
5	256QAM	25	0	20.20	20.26	20.18	20.70
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	25.24	25.30	25.23	25.70
3	QPSK	1	8	24.99	25.14	24.96	25.70
3	QPSK	1	14	24.95	25.20	25.00	25.70
3	QPSK	8	0	24.29	24.41	24.21	24.70
3	QPSK	8	4	24.15	24.33	24.20	24.70
3	QPSK	8	7	24.18	24.22	24.08	24.70
3	QPSK	15	0	24.28	24.33	24.18	24.70
3	16QAM	1	0	24.20	24.37	24.21	24.70
3	16QAM	1	8	24.23	24.28	24.18	24.70
3	16QAM	1	14	23.90	24.12	23.93	24.70
3	16QAM	8	0	23.33	23.39	23.25	23.70
3	16QAM	8	4	23.03	23.12	23.03	23.70
3	16QAM	8	7	23.21	23.26	23.14	23.70
3	16QAM	15	0	23.20	23.28	23.15	23.70
3	64QAM	1	0	23.16	23.28	23.13	23.70
3	64QAM	1	8	23.07	23.27	23.14	23.70
3	64QAM	1	14	23.09	23.28	23.01	23.70
3	64QAM	8	0	22.35	22.44	22.16	22.70
3	64QAM	8	4	22.22	22.29	22.19	22.70
3	64QAM	8	7	22.03	22.11	21.96	22.70
3	64QAM	15	0	22.35	22.41	22.29	22.70
3	256QAM	1	0	20.24	20.27	20.29	20.70
3	256QAM	1	8	20.17	20.33	20.18	20.70
3	256QAM	1	14	20.08	20.23	20.02	20.70
3	256QAM	8	0	20.11	20.12	20.03	20.70

3	256QAM	8	4	20.18	20.26	20.16	20.70
3	256QAM	8	7	20.33	20.37	20.22	20.70
3	256QAM	15	0	20.18	20.31	20.08	20.70
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	25.31	25.33	25.27	25.70
1.4	QPSK	1	3	25.04	25.22	25.03	25.70
1.4	QPSK	1	5	25.01	25.12	24.93	25.70
1.4	QPSK	3	0	25.31	25.34	25.21	25.70
1.4	QPSK	3	1	25.13	25.30	25.15	25.70
1.4	QPSK	3	3	25.13	25.15	25.11	25.70
1.4	QPSK	6	0	24.27	24.27	24.10	24.70
1.4	16QAM	1	0	24.24	24.44	24.17	24.70
1.4	16QAM	1	3	24.15	24.29	24.24	24.70
1.4	16QAM	1	5	23.94	24.14	23.97	24.70
1.4	16QAM	3	0	24.38	24.51	24.31	24.70
1.4	16QAM	3	1	23.97	24.13	24.09	24.70
1.4	16QAM	3	3	24.16	24.31	24.11	24.70
1.4	16QAM	6	0	23.14	23.31	23.09	23.70
1.4	64QAM	1	0	23.18	23.30	23.16	23.70
1.4	64QAM	1	3	23.13	23.26	23.14	23.70
1.4	64QAM	1	5	23.06	23.18	23.11	23.70
1.4	64QAM	3	0	23.38	23.37	23.27	23.70
1.4	64QAM	3	1	23.21	23.40	23.23	23.70
1.4	64QAM	3	3	23.03	23.18	23.06	23.70
1.4	64QAM	6	0	22.30	22.38	22.21	22.70
1.4	256QAM	1	0	20.24	20.32	20.26	20.70
1.4	256QAM	1	3	20.21	20.25	20.18	20.70
1.4	256QAM	1	5	20.04	20.24	20.01	20.70
1.4	256QAM	3	0	20.09	20.16	20.04	20.70
1.4	256QAM	3	1	20.21	20.33	20.11	20.70
1.4	256QAM	3	3	20.34	20.41	20.28	20.70
1.4	256QAM	6	0	20.17	20.25	20.22	20.70

【LTE Band 5_Ant 1_DSI 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	19.70	19.71	19.67	20.20
10	QPSK	1	25	19.45	19.56	19.45	20.20
10	QPSK	1	49	19.58	19.68	19.57	20.20
10	QPSK	25	0	19.65	19.69	19.53	20.20
10	QPSK	25	12	19.53	19.58	19.46	20.20
10	QPSK	25	25	19.54	19.68	19.57	20.20
10	QPSK	50	0	19.50	19.56	19.45	20.20
10	16QAM	1	0	19.52	19.59	19.50	20.20
10	16QAM	1	25	19.60	19.70	19.53	20.20
10	16QAM	1	49	19.52	19.66	19.54	20.20
10	16QAM	25	0	19.44	19.54	19.41	20.20
10	16QAM	25	12	19.48	19.62	19.48	20.20
10	16QAM	25	25	19.57	19.67	19.59	20.20
10	16QAM	50	0	19.39	19.54	19.39	20.20
10	64QAM	1	0	19.53	19.63	19.50	20.20
10	64QAM	1	25	19.64	19.70	19.52	20.20
10	64QAM	1	49	19.61	19.65	19.55	20.20
10	64QAM	25	0	19.43	19.49	19.41	20.20
10	64QAM	25	12	19.59	19.62	19.47	20.20
10	64QAM	25	25	19.59	19.66	19.51	20.20
10	64QAM	50	0	19.48	19.56	19.41	20.20
10	256QAM	1	0	19.53	19.62	19.53	20.20
10	256QAM	1	25	19.66	19.72	19.58	20.20
10	256QAM	1	49	19.38	19.50	19.44	20.20
10	256QAM	25	0	19.60	19.64	19.47	20.20
10	256QAM	25	12	19.63	19.72	19.56	20.20
10	256QAM	25	25	19.41	19.55	19.43	20.20
10	256QAM	50	0	19.60	19.64	19.53	20.20
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	

5	QPSK	1	0	19.66	19.59	19.63	20.20
5	QPSK	1	12	19.31	19.49	19.35	20.20
5	QPSK	1	24	19.50	19.57	19.44	20.20
5	QPSK	12	0	19.64	19.65	19.43	20.20
5	QPSK	12	7	19.44	19.45	19.34	20.20
5	QPSK	12	13	19.42	19.63	19.49	20.20
5	QPSK	25	0	19.42	19.41	19.37	20.20
5	16QAM	1	0	19.46	19.53	19.37	20.20
5	16QAM	1	12	19.59	19.68	19.49	20.20
5	16QAM	1	24	19.49	19.59	19.41	20.20
5	16QAM	12	0	19.37	19.41	19.29	20.20
5	16QAM	12	7	19.40	19.52	19.42	20.20
5	16QAM	12	13	19.53	19.61	19.51	20.20
5	16QAM	25	0	19.38	19.44	19.27	20.20
5	64QAM	1	0	19.39	19.48	19.42	20.20
5	64QAM	1	12	19.59	19.67	19.39	20.20
5	64QAM	1	24	19.50	19.62	19.52	20.20
5	64QAM	12	0	19.32	19.38	19.36	20.20
5	64QAM	12	7	19.53	19.54	19.38	20.20
5	64QAM	12	13	19.49	19.53	19.43	20.20
5	64QAM	25	0	19.38	19.50	19.39	20.20
5	256QAM	1	0	19.47	19.60	19.50	20.20
5	256QAM	1	12	19.60	19.65	19.45	20.20
5	256QAM	1	24	19.27	19.40	19.34	20.20
5	256QAM	12	0	19.53	19.58	19.32	20.20
5	256QAM	12	7	19.56	19.70	19.53	20.20
5	256QAM	12	13	19.36	19.53	19.33	20.20
5	256QAM	25	0	19.55	19.55	19.48	20.20
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.64	19.69	19.60	20.20
3	QPSK	1	8	19.38	19.41	19.33	20.20
3	QPSK	1	14	19.54	19.64	19.46	20.20
3	QPSK	8	0	19.52	19.61	19.39	20.20
3	QPSK	8	4	19.45	19.45	19.40	20.20
3	QPSK	8	7	19.42	19.63	19.50	20.20
3	QPSK	15	0	19.43	19.46	19.34	20.20
3	16QAM	1	0	19.47	19.58	19.41	20.20
3	16QAM	1	8	19.55	19.62	19.49	20.20
3	16QAM	1	14	19.40	19.51	19.44	20.20
3	16QAM	8	0	19.36	19.44	19.34	20.20
3	16QAM	8	4	19.36	19.48	19.46	20.20
3	16QAM	8	7	19.52	19.66	19.50	20.20
3	16QAM	15	0	19.34	19.44	19.36	20.20
3	64QAM	1	0	19.42	19.59	19.40	20.20
3	64QAM	1	8	19.58	19.64	19.49	20.20
3	64QAM	1	14	19.59	19.56	19.41	20.20
3	64QAM	8	0	19.41	19.35	19.40	20.20
3	64QAM	8	4	19.50	19.57	19.43	20.20
3	64QAM	8	7	19.54	19.60	19.38	20.20
3	64QAM	15	0	19.35	19.55	19.28	20.20
3	256QAM	1	0	19.48	19.51	19.45	20.20
3	256QAM	1	8	19.53	19.62	19.56	20.20
3	256QAM	1	14	19.27	19.43	19.39	20.20
3	256QAM	8	0	19.49	19.55	19.36	20.20
3	256QAM	8	4	19.51	19.70	19.53	20.20
3	256QAM	8	7	19.34	19.53	19.33	20.20
3	256QAM	15	0	19.47	19.58	19.52	20.20
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.57	19.61	19.53	20.20
1.4	QPSK	1	3	19.42	19.48	19.33	20.20
1.4	QPSK	1	5	19.49	19.62	19.55	20.20
1.4	QPSK	3	0	19.58	19.61	19.43	20.20
1.4	QPSK	3	1	19.47	19.46	19.38	20.20
1.4	QPSK	3	3	19.43	19.62	19.52	20.20
1.4	QPSK	6	0	19.43	19.44	19.41	20.20
1.4	16QAM	1	0	19.38	19.51	19.47	20.20
1.4	16QAM	1	3	19.59	19.56	19.40	20.20
1.4	16QAM	1	5	19.39	19.63	19.44	20.20
1.4	16QAM	3	0	19.37	19.49	19.35	20.20
1.4	16QAM	3	1	19.38	19.61	19.38	20.20
1.4	16QAM	3	3	19.50	19.57	19.49	20.20
1.4	16QAM	6	0	19.35	19.48	19.35	20.20

1.4	64QAM	1	0	19.43	19.59	19.48	20.20
1.4	64QAM	1	3	19.57	19.62	19.50	20.20
1.4	64QAM	1	5	19.51	19.61	19.50	20.20
1.4	64QAM	3	0	19.42	19.46	19.37	20.20
1.4	64QAM	3	1	19.48	19.59	19.39	20.20
1.4	64QAM	3	3	19.56	19.56	19.47	20.20
1.4	64QAM	6	0	19.38	19.50	19.35	20.20
1.4	256QAM	1	0	19.51	19.53	19.48	20.20
1.4	256QAM	1	3	19.60	19.70	19.55	20.20
1.4	256QAM	1	5	19.35	19.42	19.35	20.20
1.4	256QAM	3	0	19.49	19.55	19.40	20.20
1.4	256QAM	3	1	19.58	19.66	19.51	20.20
1.4	256QAM	3	3	19.40	19.51	19.41	20.20
1.4	256QAM	6	0	19.58	19.59	19.50	20.20

【LTE Band 5_Ant 1_DSI1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.05	20.09	20.03	20.70
10	QPSK	1	25	19.77	19.96	19.85	20.70
10	QPSK	1	49	19.83	19.95	19.77	20.70
10	QPSK	25	0	19.93	20.01	19.88	20.70
10	QPSK	25	12	19.76	19.91	19.77	20.70
10	QPSK	25	25	19.86	19.95	19.86	20.70
10	QPSK	50	0	19.97	20.06	19.94	20.70
10	16QAM	1	0	19.72	19.81	19.70	20.70
10	16QAM	1	25	19.74	19.89	19.81	20.70
10	16QAM	1	49	19.84	19.97	19.88	20.70
10	16QAM	25	0	20.12	20.19	20.04	20.70
10	16QAM	25	12	19.98	20.10	19.95	20.70
10	16QAM	25	25	19.89	20.06	19.87	20.70
10	16QAM	50	0	19.72	19.80	19.65	20.70
10	64QAM	1	0	20.02	20.11	19.98	20.70
10	64QAM	1	25	20.00	20.10	19.91	20.70
10	64QAM	1	49	19.78	19.95	19.79	20.70
10	64QAM	25	0	19.93	20.00	19.86	20.70
10	64QAM	25	12	19.90	20.03	19.83	20.70
10	64QAM	25	25	19.68	19.87	19.77	20.70
10	64QAM	50	0	19.80	19.89	19.77	20.70
10	256QAM	1	0	19.86	19.96	19.78	20.70
10	256QAM	1	25	19.87	20.02	19.93	20.70
10	256QAM	1	49	19.73	19.88	19.71	20.70
10	256QAM	25	0	19.87	20.03	19.87	20.70
10	256QAM	25	12	19.96	20.10	19.90	20.70
10	256QAM	25	25	19.72	19.78	19.64	20.70
10	256QAM	50	0	19.91	20.09	19.92	20.70
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.97	20.08	19.88	20.70
5	QPSK	1	12	19.73	19.84	19.72	20.70
5	QPSK	1	24	19.74	19.87	19.64	20.70
5	QPSK	12	0	19.79	19.88	19.76	20.70
5	QPSK	12	7	19.71	19.82	19.67	20.70
5	QPSK	12	13	19.76	19.86	19.73	20.70
5	QPSK	25	0	19.90	19.98	19.86	20.70
5	16QAM	1	0	19.61	19.77	19.65	20.70
5	16QAM	1	12	19.63	19.81	19.72	20.70
5	16QAM	1	24	19.80	19.89	19.76	20.70
5	16QAM	12	0	19.98	20.11	20.01	20.70
5	16QAM	12	7	19.92	20.01	19.91	20.70
5	16QAM	12	13	19.83	20.02	19.84	20.70
5	16QAM	25	0	19.67	19.75	19.59	20.70
5	64QAM	1	0	19.96	20.01	19.96	20.70
5	64QAM	1	12	19.88	19.97	19.80	20.70
5	64QAM	1	24	19.69	19.92	19.76	20.70
5	64QAM	12	0	19.83	19.92	19.77	20.70
5	64QAM	12	7	19.78	19.99	19.68	20.70

5	64QAM	12	13	19.65	19.76	19.62	20.70
5	64QAM	25	0	19.69	19.77	19.65	20.70
5	256QAM	1	0	19.83	19.82	19.73	20.70
5	256QAM	1	12	19.80	19.93	19.83	20.70
5	256QAM	1	24	19.62	19.82	19.58	20.70
5	256QAM	12	0	19.78	19.96	19.82	20.70
5	256QAM	12	7	19.90	19.95	19.86	20.70
5	256QAM	12	13	19.60	19.74	19.54	20.70
5	256QAM	25	0	19.81	20.02	19.83	20.70
Channel				20415	20525	20635	Tune-up limit
Frequency (MHz)				825.5	836.5	847.5	(dBm)
3	QPSK	1	0	20.04	20.03	19.90	20.70
3	QPSK	1	8	19.76	19.89	19.71	20.70
3	QPSK	1	14	19.72	19.89	19.68	20.70
3	QPSK	8	0	19.86	19.92	19.78	20.70
3	QPSK	8	4	19.61	19.85	19.68	20.70
3	QPSK	8	7	19.81	19.87	19.76	20.70
3	QPSK	15	0	19.85	20.01	19.83	20.70
3	16QAM	1	0	19.67	19.76	19.65	20.70
3	16QAM	1	8	19.62	19.85	19.74	20.70
3	16QAM	1	14	19.73	19.93	19.78	20.70
3	16QAM	8	0	19.97	20.05	19.92	20.70
3	16QAM	8	4	19.95	20.05	19.86	20.70
3	16QAM	8	7	19.75	19.96	19.78	20.70
3	16QAM	15	0	19.64	19.68	19.56	20.70
3	64QAM	1	0	20.01	20.02	19.95	20.70
3	64QAM	1	8	19.90	19.99	19.88	20.70
3	64QAM	1	14	19.69	19.91	19.67	20.70
3	64QAM	8	0	19.90	19.90	19.83	20.70
3	64QAM	8	4	19.84	19.96	19.70	20.70
3	64QAM	8	7	19.58	19.74	19.62	20.70
3	64QAM	15	0	19.73	19.77	19.75	20.70
3	256QAM	1	0	19.79	19.93	19.65	20.70
3	256QAM	1	8	19.80	19.88	19.85	20.70
3	256QAM	1	14	19.65	19.84	19.67	20.70
3	256QAM	8	0	19.84	20.00	19.75	20.70
3	256QAM	8	4	19.85	20.06	19.79	20.70
3	256QAM	8	7	19.58	19.66	19.53	20.70
3	256QAM	15	0	19.78	20.04	19.82	20.70
Channel				20407	20525	20643	Tune-up limit
Frequency (MHz)				824.7	836.5	848.3	(dBm)
1.4	QPSK	1	0	19.90	20.07	19.89	20.70
1.4	QPSK	1	3	19.75	19.88	19.77	20.70
1.4	QPSK	1	5	19.80	19.84	19.67	20.70
1.4	QPSK	3	0	19.86	20.00	19.84	20.70
1.4	QPSK	3	1	19.72	19.90	19.74	20.70
1.4	QPSK	3	3	19.83	19.83	19.83	20.70
1.4	QPSK	6	0	19.92	19.92	19.85	20.70
1.4	16QAM	1	0	19.64	19.71	19.61	20.70
1.4	16QAM	1	3	19.70	19.84	19.76	20.70
1.4	16QAM	1	5	19.71	19.86	19.87	20.70
1.4	16QAM	3	0	19.98	20.17	19.95	20.70
1.4	16QAM	3	1	19.91	20.06	19.82	20.70
1.4	16QAM	3	3	19.77	19.99	19.73	20.70
1.4	16QAM	6	0	19.60	19.73	19.58	20.70
1.4	64QAM	1	0	20.01	20.00	19.96	20.70
1.4	64QAM	1	3	19.91	19.97	19.85	20.70
1.4	64QAM	1	5	19.77	19.86	19.73	20.70
1.4	64QAM	3	0	19.83	19.97	19.84	20.70
1.4	64QAM	3	1	19.82	20.00	19.74	20.70
1.4	64QAM	3	3	19.66	19.84	19.75	20.70
1.4	64QAM	6	0	19.67	19.86	19.76	20.70
1.4	256QAM	1	0	19.71	19.90	19.65	20.70
1.4	256QAM	1	3	19.86	19.94	19.83	20.70
1.4	256QAM	1	5	19.65	19.86	19.66	20.70
1.4	256QAM	3	0	19.85	19.98	19.85	20.70
1.4	256QAM	3	1	19.84	20.08	19.76	20.70
1.4	256QAM	3	3	19.57	19.67	19.59	20.70
1.4	256QAM	6	0	19.79	19.99	19.83	20.70