



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	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 2】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 3】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 4】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 6】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.97	32.14	32.61	33.50	22.97	23.14	23.61	24.50
GPRS 1 Tx slot	31.96	32.13	32.59	33.50	22.96	23.13	23.59	24.50
GPRS 2 Tx slots	29.93	30.02	30.33	31.00	23.93	24.02	24.33	25.00
GPRS 3 Tx slots	28.79	28.84	28.73	30.00	24.53	24.58	24.47	25.74
GPRS 4 Tx slots	26.72	26.74	27.27	28.00	23.72	23.74	24.27	25.00
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【GSM850_Ant 0_DSI 12】

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	30.71	30.76	30.61	31.00	21.71	21.76	21.61	22.00
GPRS 1 Tx slot	30.74	30.81	30.68	31.00	21.74	21.81	21.68	22.00
GPRS 2 Tx slots	28.33	28.36	28.35	30.30	22.33	22.36	22.35	24.30
GPRS 3 Tx slots	26.40	26.51	26.43	28.40	22.14	22.25	22.17	24.14
GPRS 4 Tx slots	25.40	25.51	25.38	27.30	22.40	22.51	22.38	24.30
EDGE 1 Tx slot	25.92	26.19	26.41	27.50	16.92	17.19	17.41	18.50
EDGE 2 Tx slots	24.83	25.07	25.12	26.00	18.83	19.07	19.12	20.00
EDGE 3 Tx slots	23.23	23.55	23.45	24.50	18.97	19.29	19.19	20.24
EDGE 4 Tx slots	21.51	21.86	21.85	23.00	18.51	18.86	18.85	20.00

【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	32.49	32.52	32.48	33.50	23.49	23.52	23.48	24.50
GPRS 1 Tx slot	32.47	32.50	32.47	33.50	23.47	23.50	23.47	24.50
GPRS 2 Tx slots	30.43	30.50	30.79	31.50	24.43	24.50	24.79	25.50
GPRS 3 Tx slots	28.98	29.12	29.07	30.00	24.72	24.86	24.81	25.74
GPRS 4 Tx slots	27.13	27.21	27.67	28.50	24.13	24.21	24.67	25.50
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

**【GSM850_Ant 1_DSI 2】**

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.49	32.52	32.48	33.50	23.49	23.52	23.48	24.50
GPRS 1 Tx slot	32.47	32.50	32.47	33.50	23.47	23.50	23.47	24.50
GPRS 2 Tx slots	30.43	30.50	30.79	31.50	24.43	24.50	24.79	25.50
GPRS 3 Tx slots	28.98	29.12	29.07	30.00	24.72	24.86	24.81	25.74
GPRS 4 Tx slots	27.13	27.21	27.67	28.50	24.13	24.21	24.67	25.50
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【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	29.70	29.75	29.70	30.00	20.70	20.75	20.70	21.00
GPRS 1 Tx slot	29.72	29.81	29.73	30.00	20.72	20.81	20.73	21.00
GPRS 2 Tx slots	26.88	27.00	26.94	28.60	20.88	21.00	20.94	22.60
GPRS 3 Tx slots	25.49	25.54	25.42	26.80	21.23	21.28	21.16	22.54
GPRS 4 Tx slots	24.17	24.21	24.09	25.60	21.17	21.21	21.09	22.60
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【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	29.70	29.75	29.70	30.00	20.70	20.75	20.70	21.00
GPRS 1 Tx slot	29.72	29.81	29.73	30.00	20.72	20.81	20.73	21.00
GPRS 2 Tx slots	26.88	27.00	26.94	28.60	20.88	21.00	20.94	22.60
GPRS 3 Tx slots	25.49	25.54	25.42	26.80	21.23	21.28	21.16	22.54
GPRS 4 Tx slots	24.17	24.21	24.09	25.60	21.17	21.21	21.09	22.60
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【GSM850_Ant 1_DSI 6】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	29.70	29.75	29.70	30.00	20.70	20.75	20.70	21.00
GPRS 1 Tx slot	29.72	29.81	29.73	30.00	20.72	20.81	20.73	21.00
GPRS 2 Tx slots	26.88	27.00	26.94	28.60	20.88	21.00	20.94	22.60
GPRS 3 Tx slots	25.49	25.54	25.42	26.80	21.23	21.28	21.16	22.54
GPRS 4 Tx slots	24.17	24.21	24.09	25.60	21.17	21.21	21.09	22.60
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【GSM850_Ant 1_DSI 7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.49	32.52	32.48	33.50	23.49	23.52	23.48	24.50
GPRS 1 Tx slot	32.47	32.50	32.47	33.50	23.47	23.50	23.47	24.50
GPRS 2 Tx slots	30.43	30.50	30.79	31.50	24.43	24.50	24.79	25.50
GPRS 3 Tx slots	28.98	29.12	29.07	30.00	24.72	24.86	24.81	25.74
GPRS 4 Tx slots	27.13	27.21	27.67	28.50	24.13	24.21	24.67	25.50
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【GSM850_Ant 1_DSI 12】

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	29.70	29.75	29.70	30.00	20.70	20.75	20.70	21.00
GPRS 1 Tx slot	29.72	29.81	29.73	30.00	20.72	20.81	20.73	21.00
GPRS 2 Tx slots	26.88	27.00	26.94	28.60	20.88	21.00	20.94	22.60
GPRS 3 Tx slots	25.49	25.54	25.42	26.80	21.23	21.28	21.16	22.54
GPRS 4 Tx slots	24.17	24.21	24.09	25.60	21.17	21.21	21.09	22.60
EDGE 1 Tx slot	26.48	26.76	26.61	28.00	17.48	17.76	17.61	19.00
EDGE 2 Tx slots	25.24	25.55	25.64	26.50	19.24	19.55	19.64	20.50
EDGE 3 Tx slots	23.72	24.25	24.15	25.00	19.46	19.99	19.89	20.74
EDGE 4 Tx slots	22.04	22.62	22.44	23.50	19.04	19.62	19.44	20.50

【GSM1900_Ant 3_Full Power】

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

【GSM1900_Ant 3_DSI 2】

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

**【GSM1900_Ant 3_DSI 3】**

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.49	27.55	27.46	28.10	18.49	18.55	18.46	19.10
GPRS 1 Tx slot	27.48	27.54	27.44	28.10	18.48	18.54	18.44	19.10
GPRS 2 Tx slots	24.59	24.47	24.36	25.10	18.59	18.47	18.36	19.10
GPRS 3 Tx slots	22.74	22.81	22.68	23.60	18.48	18.55	18.42	19.34
GPRS 4 Tx slots	21.36	21.42	21.35	22.10	18.36	18.42	18.35	19.10
EDGE 1 Tx slot	22.69	22.73	22.63	23.50	13.69	13.73	13.63	14.50
EDGE 2 Tx slots	21.54	21.56	21.54	22.50	15.54	15.56	15.54	16.50
EDGE 3 Tx slots	20.62	20.73	20.33	21.50	16.36	16.47	16.07	17.24
EDGE 4 Tx slots	18.70	18.85	18.33	19.50	15.70	15.85	15.33	16.50

【GSM1900_Ant 3_DSI 4】

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

【GSM1900_Ant 3_DSI 6】

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

【GSM1900_Ant 3_DSI 7】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.49	27.55	27.46	28.10	18.49	18.55	18.46	19.10
GPRS 1 Tx slot	27.48	27.54	27.44	28.10	18.48	18.54	18.44	19.10
GPRS 2 Tx slots	24.59	24.47	24.36	25.10	18.59	18.47	18.36	19.10
GPRS 3 Tx slots	22.74	22.81	22.68	23.60	18.48	18.55	18.42	19.34
GPRS 4 Tx slots	21.36	21.42	21.35	22.10	18.36	18.42	18.35	19.10
EDGE 1 Tx slot	22.69	22.73	22.63	23.50	13.69	13.73	13.63	14.50
EDGE 2 Tx slots	21.54	21.56	21.54	22.50	15.54	15.56	15.54	16.50
EDGE 3 Tx slots	20.62	20.73	20.33	21.50	16.36	16.47	16.07	17.24
EDGE 4 Tx slots	18.70	18.85	18.33	19.50	15.70	15.85	15.33	16.50

**【GSM1900_Ant 3_DSI 12】**

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.25	23.31	23.20	25.10	14.25	14.31	14.20	16.10
GPRS 1 Tx slot	23.29	23.36	23.30	25.10	14.29	14.36	14.30	16.10
GPRS 2 Tx slots	20.19	20.25	20.17	22.10	14.19	14.25	14.17	16.10
GPRS 3 Tx slots	18.74	18.78	18.70	20.30	14.48	14.52	14.44	16.04
GPRS 4 Tx slots	17.62	17.70	17.57	19.10	14.62	14.70	14.57	16.10
EDGE 1 Tx slot	23.46	23.50	23.46	24.60	14.46	14.50	14.46	15.60
EDGE 2 Tx slots	20.13	20.20	20.13	21.60	14.13	14.20	14.13	15.60
EDGE 3 Tx slots	18.08	18.20	18.08	19.90	13.82	13.94	13.82	15.64
EDGE 4 Tx slots	17.06	17.20	17.10	18.60	14.06	14.20	14.10	15.60

【GSM1900_Ant 4_Full Power】

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

【GSM1900_Ant 4_DSI 2】

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

【GSM1900_Ant 4_DSI 3】

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

**【GSM1900_Ant 4_DSI 4】**

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

【GSM1900_Ant 4_DSI 6】

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

【GSM1900_Ant 4_DSI 7】

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

【GSM1900_Ant 4_DSI 12】

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.57	23.65	23.53	25.30	14.57	14.65	14.53	16.30
GPRS 1 Tx slot	23.55	23.70	23.61	25.30	14.55	14.70	14.61	16.30
GPRS 2 Tx slots	20.66	20.70	20.64	22.30	14.66	14.70	14.64	16.30
GPRS 3 Tx slots	18.63	18.70	18.64	20.50	14.37	14.44	14.38	16.24
GPRS 4 Tx slots	17.66	17.80	17.73	19.30	14.66	14.80	14.73	16.30
EDGE 1 Tx slot	22.99	23.10	23.01	24.80	13.99	14.10	14.01	15.80
EDGE 2 Tx slots	20.60	20.70	20.64	21.80	14.60	14.70	14.64	15.80
EDGE 3 Tx slots	18.82	18.87	18.83	20.10	14.56	14.61	14.57	15.84
EDGE 4 Tx slots	17.15	17.30	17.25	18.80	14.15	14.30	14.25	15.80

**<WCDMA Conducted Power>****【WCDMA II_Ant 3_Full Power】**

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

【WCDMA II_Ant 3_DSI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.96	20.98	20.97	21.80
3GPP Rel 99	RMC 12.2Kbps	21.02	21.06	20.98	21.80
3GPP Rel 6	HSDPA Subtest-1	20.01	20.17	20.06	20.80
3GPP Rel 6	HSDPA Subtest-2	20.08	20.10	20.00	20.80
3GPP Rel 6	HSDPA Subtest-3	19.59	19.67	19.45	20.30
3GPP Rel 6	HSDPA Subtest-4	19.55	19.54	19.39	20.30
3GPP Rel 8	DC-HSDPA Subtest-1	19.95	20.08	20.04	20.80
3GPP Rel 8	DC-HSDPA Subtest-2	19.92	20.06	20.08	20.80
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.65	19.46	20.30
3GPP Rel 8	DC-HSDPA Subtest-4	19.42	19.48	19.44	20.30
3GPP Rel 6	HSUPA Subtest-1	19.94	19.97	19.91	20.80
3GPP Rel 6	HSUPA Subtest-2	17.98	18.01	17.92	18.80
3GPP Rel 6	HSUPA Subtest-3	18.96	19.08	19.04	19.80
3GPP Rel 6	HSUPA Subtest-4	17.91	18.13	17.93	18.80
3GPP Rel 6	HSUPA Subtest-5	20.05	20.12	20.05	20.80

【WCDMA II_Ant 3_DSI 3】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.48	17.53	17.50	18.60
3GPP Rel 99	RMC 12.2Kbps	17.51	17.55	17.53	18.60
3GPP Rel 6	HSDPA Subtest-1	16.53	16.58	16.47	17.60
3GPP Rel 6	HSDPA Subtest-2	16.51	16.52	16.32	17.60
3GPP Rel 6	HSDPA Subtest-3	16.04	15.96	15.90	17.10
3GPP Rel 6	HSDPA Subtest-4	16.02	15.99	16.01	17.10
3GPP Rel 8	DC-HSDPA Subtest-1	16.54	16.65	16.39	17.60
3GPP Rel 8	DC-HSDPA Subtest-2	16.43	16.64	16.49	17.60
3GPP Rel 8	DC-HSDPA Subtest-3	15.91	16.03	15.97	17.10
3GPP Rel 8	DC-HSDPA Subtest-4	15.89	16.02	16.02	17.10
3GPP Rel 6	HSUPA Subtest-1	16.34	16.60	16.36	17.60
3GPP Rel 6	HSUPA Subtest-2	14.49	14.60	14.46	15.60
3GPP Rel 6	HSUPA Subtest-3	15.34	15.60	15.46	16.60
3GPP Rel 6	HSUPA Subtest-4	14.53	14.65	14.44	15.60
3GPP Rel 6	HSUPA Subtest-5	16.45	16.56	16.34	17.60



【WCDMA II_Ant 3_DSI 4】

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

【WCDMA II_Ant 3_DSI 6】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	20.96	20.98	20.97	22.10
3GPP Rel 99	RMC 12.2Kbps	21.02	21.06	20.98	22.10
3GPP Rel 6	HSDPA Subtest-1	20.01	20.17	20.06	21.10
3GPP Rel 6	HSDPA Subtest-2	20.08	20.10	20.00	21.10
3GPP Rel 6	HSDPA Subtest-3	19.59	19.67	19.45	20.60
3GPP Rel 6	HSDPA Subtest-4	19.55	19.54	19.39	20.60
3GPP Rel 8	DC-HSDPA Subtest-1	19.95	20.08	20.04	21.10
3GPP Rel 8	DC-HSDPA Subtest-2	19.92	20.06	20.08	21.10
3GPP Rel 8	DC-HSDPA Subtest-3	19.44	19.65	19.46	20.60
3GPP Rel 8	DC-HSDPA Subtest-4	19.42	19.48	19.44	20.60
3GPP Rel 6	HSUPA Subtest-1	19.94	19.97	19.91	21.10
3GPP Rel 6	HSUPA Subtest-2	17.98	18.01	17.92	19.10
3GPP Rel 6	HSUPA Subtest-3	18.96	19.08	19.04	20.10
3GPP Rel 6	HSUPA Subtest-4	17.91	18.13	17.93	19.10
3GPP Rel 6	HSUPA Subtest-5	20.05	20.12	20.05	21.10

【WCDMA II_Ant 3_DSI 7】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	17.48	17.53	17.50	18.60
3GPP Rel 99	RMC 12.2Kbps	17.51	17.55	17.53	18.60
3GPP Rel 6	HSDPA Subtest-1	16.53	16.58	16.47	17.60
3GPP Rel 6	HSDPA Subtest-2	16.51	16.52	16.32	17.60
3GPP Rel 6	HSDPA Subtest-3	16.04	15.96	15.90	17.10
3GPP Rel 6	HSDPA Subtest-4	16.02	15.99	16.01	17.10
3GPP Rel 8	DC-HSDPA Subtest-1	16.54	16.65	16.39	17.60
3GPP Rel 8	DC-HSDPA Subtest-2	16.43	16.64	16.49	17.60
3GPP Rel 8	DC-HSDPA Subtest-3	15.91	16.03	15.97	17.10
3GPP Rel 8	DC-HSDPA Subtest-4	15.89	16.02	16.02	17.10
3GPP Rel 6	HSUPA Subtest-1	16.34	16.60	16.36	17.60
3GPP Rel 6	HSUPA Subtest-2	14.49	14.60	14.46	15.60
3GPP Rel 6	HSUPA Subtest-3	15.34	15.60	15.46	16.60
3GPP Rel 6	HSUPA Subtest-4	14.53	14.65	14.44	15.60
3GPP Rel 6	HSUPA Subtest-5	16.45	16.56	16.34	17.60

**【WCDMA II_Ant 3_DSI 12】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	13.93	13.94	13.98	14.90
3GPP Rel 99	RMC 12.2Kbps	13.86	13.99	13.96	14.90
3GPP Rel 6	HSDPA Subtest-1	12.82	13.01	12.93	13.90
3GPP Rel 6	HSDPA Subtest-2	12.85	13.08	12.73	13.90
3GPP Rel 6	HSDPA Subtest-3	12.28	12.49	12.45	13.40
3GPP Rel 6	HSDPA Subtest-4	12.29	12.28	12.39	13.40
3GPP Rel 8	DC-HSDPA Subtest-1	12.69	12.86	12.70	13.90
3GPP Rel 8	DC-HSDPA Subtest-2	12.64	12.69	12.88	13.90
3GPP Rel 8	DC-HSDPA Subtest-3	12.21	12.31	12.19	13.40
3GPP Rel 8	DC-HSDPA Subtest-4	12.05	12.35	12.29	13.40
3GPP Rel 6	HSUPA Subtest-1	12.59	12.82	12.75	13.90
3GPP Rel 6	HSUPA Subtest-2	10.98	11.00	10.91	11.90
3GPP Rel 6	HSUPA Subtest-3	11.88	11.92	12.04	12.90
3GPP Rel 6	HSUPA Subtest-4	10.81	10.90	10.90	11.90
3GPP Rel 6	HSUPA Subtest-5	12.76	12.86	12.81	13.90

【WCDMA II_Ant 4_Full Power】

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

【WCDMA II_Ant 4_DSI 2】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	22.60	22.73	22.65	23.40
3GPP Rel 99	RMC 12.2Kbps	22.62	22.74	22.67	23.40
3GPP Rel 6	HSDPA Subtest-1	21.61	21.64	21.42	22.40
3GPP Rel 6	HSDPA Subtest-2	21.43	21.63	21.52	22.40
3GPP Rel 6	HSDPA Subtest-3	21.10	21.29	21.09	21.90
3GPP Rel 6	HSDPA Subtest-4	21.03	21.25	21.04	21.90
3GPP Rel 8	DC-HSDPA Subtest-1	21.44	21.61	21.42	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.64	21.50	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	21.18	21.22	20.96	21.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.96	21.21	20.81	21.90
3GPP Rel 6	HSUPA Subtest-1	21.52	21.71	21.44	22.40
3GPP Rel 6	HSUPA Subtest-2	19.41	19.56	19.37	20.40
3GPP Rel 6	HSUPA Subtest-3	20.38	20.73	20.61	21.40
3GPP Rel 6	HSUPA Subtest-4	19.35	19.63	19.37	20.40
3GPP Rel 6	HSUPA Subtest-5	21.46	21.68	21.42	22.40



【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	21.06	21.10	21.05	22.00
3GPP Rel 99	RMC 12.2Kbps	21.08	21.12	21.11	22.00
3GPP Rel 6	HSDPA Subtest-1	20.14	20.21	20.11	21.00
3GPP Rel 6	HSDPA Subtest-2	20.14	20.01	20.00	21.00
3GPP Rel 6	HSDPA Subtest-3	19.59	19.59	19.43	20.50
3GPP Rel 6	HSDPA Subtest-4	19.50	19.61	19.59	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.00	20.10	20.08	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.05	20.03	19.95	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.59	19.72	19.60	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.51	19.59	19.47	20.50
3GPP Rel 6	HSUPA Subtest-1	20.15	20.12	20.02	21.00
3GPP Rel 6	HSUPA Subtest-2	18.10	18.02	17.99	19.00
3GPP Rel 6	HSUPA Subtest-3	19.01	19.16	18.99	20.00
3GPP Rel 6	HSUPA Subtest-4	18.13	18.10	18.08	19.00
3GPP Rel 6	HSUPA Subtest-5	19.95	20.05	19.91	21.00

【WCDMA II_Ant 4_DSI 4】

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

【WCDMA II_Ant 4_DSI 6】

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

**【WCDMA II_Ant 4_DSI 7】**

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	21.06	21.10	21.05	21.80
3GPP Rel 99	RMC 12.2Kbps	21.08	21.12	21.11	21.80
3GPP Rel 6	HSDPA Subtest-1	20.14	20.21	20.11	20.80
3GPP Rel 6	HSDPA Subtest-2	20.14	20.01	20.00	20.80
3GPP Rel 6	HSDPA Subtest-3	19.59	19.59	19.43	20.30
3GPP Rel 6	HSDPA Subtest-4	19.50	19.61	19.59	20.30
3GPP Rel 8	DC-HSDPA Subtest-1	20.00	20.10	20.08	20.80
3GPP Rel 8	DC-HSDPA Subtest-2	20.05	20.03	19.95	20.80
3GPP Rel 8	DC-HSDPA Subtest-3	19.59	19.72	19.60	20.30
3GPP Rel 8	DC-HSDPA Subtest-4	19.51	19.59	19.47	20.30
3GPP Rel 6	HSUPA Subtest-1	20.15	20.12	20.02	20.80
3GPP Rel 6	HSUPA Subtest-2	18.10	18.02	17.99	18.80
3GPP Rel 6	HSUPA Subtest-3	19.01	19.16	18.99	19.80
3GPP Rel 6	HSUPA Subtest-4	18.13	18.10	18.08	18.80
3GPP Rel 6	HSUPA Subtest-5	19.95	20.05	19.91	20.80

【WCDMA II_Ant 4_DSI 12】

TX Channel		9262	9400	9538	Tune-up Limit (dBm)
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	14.27	14.33	14.31	15.60
3GPP Rel 99	RMC 12.2Kbps	14.27	14.28	14.24	15.60
3GPP Rel 6	HSDPA Subtest-1	13.07	13.36	13.25	14.60
3GPP Rel 6	HSDPA Subtest-2	13.13	13.38	13.11	14.60
3GPP Rel 6	HSDPA Subtest-3	12.59	12.89	12.82	14.10
3GPP Rel 6	HSDPA Subtest-4	12.59	12.72	12.71	14.10
3GPP Rel 8	DC-HSDPA Subtest-1	13.05	13.18	13.06	14.60
3GPP Rel 8	DC-HSDPA Subtest-2	13.02	13.11	13.32	14.60
3GPP Rel 8	DC-HSDPA Subtest-3	12.55	12.72	12.52	14.10
3GPP Rel 8	DC-HSDPA Subtest-4	12.44	12.70	12.66	14.10
3GPP Rel 6	HSUPA Subtest-1	13.01	13.18	13.16	14.60
3GPP Rel 6	HSUPA Subtest-2	11.34	11.37	11.27	12.60
3GPP Rel 6	HSUPA Subtest-3	12.24	12.26	12.42	13.60
3GPP Rel 6	HSUPA Subtest-4	11.12	11.28	11.25	12.60
3GPP Rel 6	HSUPA Subtest-5	13.18	13.26	13.21	14.60

【WCDMA IV_Ant 3_Full Power】

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

**【WCDMA IV_Ant 3_DSI 2】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.46	21.53	21.49	22.30
3GPP Rel 99	RMC 12.2Kbps	21.48	21.55	21.51	22.30
3GPP Rel 6	HSDPA Subtest-1	20.50	20.44	20.55	21.30
3GPP Rel 6	HSDPA Subtest-2	20.37	20.58	20.48	21.30
3GPP Rel 6	HSDPA Subtest-3	20.00	19.98	19.98	20.80
3GPP Rel 6	HSDPA Subtest-4	19.93	19.95	20.01	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	20.43	20.63	20.52	21.30
3GPP Rel 8	DC-HSDPA Subtest-2	20.54	20.59	20.40	21.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.86	20.06	20.04	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.91	20.00	19.86	20.80
3GPP Rel 6	HSUPA Subtest-1	20.55	20.64	20.49	21.30
3GPP Rel 6	HSUPA Subtest-2	18.47	18.67	18.49	19.30
3GPP Rel 6	HSUPA Subtest-3	19.58	19.45	19.44	20.30
3GPP Rel 6	HSUPA Subtest-4	18.41	18.53	18.50	19.30
3GPP Rel 6	HSUPA Subtest-5	20.51	20.61	20.55	21.30

【WCDMA IV_Ant 3_DSI 3】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.97	19.06	19.01	19.80
3GPP Rel 99	RMC 12.2Kbps	18.98	19.09	19.03	19.80
3GPP Rel 6	HSDPA Subtest-1	17.93	18.15	18.01	18.80
3GPP Rel 6	HSDPA Subtest-2	18.00	17.98	18.03	18.80
3GPP Rel 6	HSDPA Subtest-3	17.60	17.56	17.58	18.30
3GPP Rel 6	HSDPA Subtest-4	17.39	17.61	17.41	18.30
3GPP Rel 8	DC-HSDPA Subtest-1	18.03	18.19	18.02	18.80
3GPP Rel 8	DC-HSDPA Subtest-2	18.00	18.20	17.98	18.80
3GPP Rel 8	DC-HSDPA Subtest-3	17.47	17.54	17.44	18.30
3GPP Rel 8	DC-HSDPA Subtest-4	17.57	17.49	17.60	18.30
3GPP Rel 6	HSUPA Subtest-1	17.98	18.08	18.10	18.80
3GPP Rel 6	HSUPA Subtest-2	16.08	15.99	15.90	16.80
3GPP Rel 6	HSUPA Subtest-3	16.96	17.08	17.03	17.80
3GPP Rel 6	HSUPA Subtest-4	16.05	16.05	15.92	16.80
3GPP Rel 6	HSUPA Subtest-5	17.97	18.13	18.04	18.80

【WCDMA IV_Ant 3_DSI 4】

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

**【WCDMA IV_Ant 3_DSI 6】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.11	21.14	21.13	22.20
3GPP Rel 99	RMC 12.2Kbps	21.13	21.16	21.15	22.20
3GPP Rel 6	HSDPA Subtest-1	20.06	20.17	20.09	21.20
3GPP Rel 6	HSDPA Subtest-2	19.99	19.90	20.04	21.20
3GPP Rel 6	HSDPA Subtest-3	19.46	19.61	19.70	20.70
3GPP Rel 6	HSDPA Subtest-4	19.46	19.49	19.61	20.70
3GPP Rel 8	DC-HSDPA Subtest-1	20.00	20.14	20.27	21.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.92	19.98	19.83	21.20
3GPP Rel 8	DC-HSDPA Subtest-3	19.67	19.64	19.43	20.70
3GPP Rel 8	DC-HSDPA Subtest-4	19.35	19.69	19.54	20.70
3GPP Rel 6	HSUPA Subtest-1	19.87	20.23	20.24	21.20
3GPP Rel 6	HSUPA Subtest-2	18.23	18.07	18.31	19.20
3GPP Rel 6	HSUPA Subtest-3	18.97	19.20	19.21	20.20
3GPP Rel 6	HSUPA Subtest-4	17.97	18.12	18.10	19.20
3GPP Rel 6	HSUPA Subtest-5	20.04	20.23	19.94	21.20

【WCDMA IV_Ant 3_DSI 7】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.97	19.06	19.01	19.80
3GPP Rel 99	RMC 12.2Kbps	18.98	19.09	19.03	19.80
3GPP Rel 6	HSDPA Subtest-1	17.93	18.15	18.01	18.80
3GPP Rel 6	HSDPA Subtest-2	18.00	17.98	18.03	18.80
3GPP Rel 6	HSDPA Subtest-3	17.60	17.56	17.58	18.30
3GPP Rel 6	HSDPA Subtest-4	17.39	17.61	17.41	18.30
3GPP Rel 8	DC-HSDPA Subtest-1	18.03	18.19	18.02	18.80
3GPP Rel 8	DC-HSDPA Subtest-2	18.00	18.20	17.98	18.80
3GPP Rel 8	DC-HSDPA Subtest-3	17.47	17.54	17.44	18.30
3GPP Rel 8	DC-HSDPA Subtest-4	17.57	17.49	17.60	18.30
3GPP Rel 6	HSUPA Subtest-1	17.98	18.08	18.10	18.80
3GPP Rel 6	HSUPA Subtest-2	16.08	15.99	15.90	16.80
3GPP Rel 6	HSUPA Subtest-3	16.96	17.08	17.03	17.80
3GPP Rel 6	HSUPA Subtest-4	16.05	16.05	15.92	16.80
3GPP Rel 6	HSUPA Subtest-5	17.97	18.13	18.04	18.80

【WCDMA IV_Ant 3_DSI 12】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	13.86	13.81	13.84	15.20
3GPP Rel 99	RMC 12.2Kbps	13.86	13.89	13.86	15.20
3GPP Rel 6	HSDPA Subtest-1	12.69	12.93	12.87	14.20
3GPP Rel 6	HSDPA Subtest-2	12.81	13.02	12.76	14.20
3GPP Rel 6	HSDPA Subtest-3	12.28	12.44	12.39	13.70
3GPP Rel 6	HSDPA Subtest-4	12.17	12.24	12.32	13.70
3GPP Rel 8	DC-HSDPA Subtest-1	12.66	12.78	12.65	14.20
3GPP Rel 8	DC-HSDPA Subtest-2	12.61	12.69	12.84	14.20
3GPP Rel 8	DC-HSDPA Subtest-3	12.13	12.38	12.18	13.70
3GPP Rel 8	DC-HSDPA Subtest-4	12.07	12.27	12.20	13.70
3GPP Rel 6	HSUPA Subtest-1	12.59	12.81	12.74	14.20
3GPP Rel 6	HSUPA Subtest-2	10.88	10.96	10.88	12.20
3GPP Rel 6	HSUPA Subtest-3	11.82	11.86	12.03	13.20
3GPP Rel 6	HSUPA Subtest-4	10.80	10.86	10.81	12.20
3GPP Rel 6	HSUPA Subtest-5	12.75	12.79	12.78	14.20



【WCDMA IV_Ant 4_Full Power】

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

【WCDMA IV_Ant 4_DSI 2】

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

【WCDMA IV_Ant 4_DSI 3】

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

**【WCDMA IV_Ant 4_DSI 4】**

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

【WCDMA IV_Ant 4_DSI 6】

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.72	22.75	22.70	23.80
3GPP Rel 99	RMC 12.2Kbps	22.73	22.76	22.72	23.80
3GPP Rel 6	HSDPA Subtest-1	21.47	21.57	21.51	22.80
3GPP Rel 6	HSDPA Subtest-2	21.51	21.59	21.40	22.80
3GPP Rel 6	HSDPA Subtest-3	21.05	21.26	21.05	22.30
3GPP Rel 6	HSDPA Subtest-4	21.03	21.16	20.88	22.30
3GPP Rel 8	DC-HSDPA Subtest-1	21.63	21.76	21.46	22.80
3GPP Rel 8	DC-HSDPA Subtest-2	21.39	21.67	21.48	22.80
3GPP Rel 8	DC-HSDPA Subtest-3	21.10	21.22	20.93	22.30
3GPP Rel 8	DC-HSDPA Subtest-4	21.03	21.20	20.96	22.30
3GPP Rel 6	HSUPA Subtest-1	21.43	21.67	21.37	22.80
3GPP Rel 6	HSUPA Subtest-2	19.44	19.64	19.40	20.80
3GPP Rel 6	HSUPA Subtest-3	20.60	20.54	20.50	21.80
3GPP Rel 6	HSUPA Subtest-4	19.30	19.64	19.45	20.80
3GPP Rel 6	HSUPA Subtest-5	21.57	21.57	21.55	22.80

【WCDMA IV_Ant 4_DSI 7】

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

**【WCDMA IV_Ant 4_DSI 12】**

TX Channel		1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	14.30	14.36	14.43	15.60
3GPP Rel 99	RMC 12.2Kbps	14.33	14.46	14.43	15.60
3GPP Rel 6	HSDPA Subtest-1	13.24	13.39	13.38	14.60
3GPP Rel 6	HSDPA Subtest-2	13.24	13.50	13.21	14.60
3GPP Rel 6	HSDPA Subtest-3	12.72	12.98	12.88	14.10
3GPP Rel 6	HSDPA Subtest-4	12.70	12.74	12.80	14.10
3GPP Rel 8	DC-HSDPA Subtest-1	13.15	13.26	13.20	14.60
3GPP Rel 8	DC-HSDPA Subtest-2	13.15	13.16	13.39	14.60
3GPP Rel 8	DC-HSDPA Subtest-3	12.67	12.79	12.60	14.10
3GPP Rel 8	DC-HSDPA Subtest-4	12.56	12.84	12.78	14.10
3GPP Rel 6	HSUPA Subtest-1	13.04	13.27	13.21	14.60
3GPP Rel 6	HSUPA Subtest-2	11.42	11.54	11.34	12.60
3GPP Rel 6	HSUPA Subtest-3	12.33	12.35	12.47	13.60
3GPP Rel 6	HSUPA Subtest-4	11.30	11.41	11.28	12.60
3GPP Rel 6	HSUPA Subtest-5	13.21	13.34	13.34	14.60

【WCDMA V_Ant 0_Full Power】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	23.00

【WCDMA V_Ant 0_DSI 2】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	23.00



【WCDMA V_Ant 0_DSI 3】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	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	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	23.00

【WCDMA V_Ant 0_DSI 6】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	23.00



【WCDMA V_Ant 0_DSI 7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.41	23.28	24.00
3GPP Rel 99	RMC 12.2Kbps	23.33	23.49	23.35	24.00
3GPP Rel 6	HSDPA Subtest-1	22.34	22.48	22.38	23.00
3GPP Rel 6	HSDPA Subtest-2	22.30	22.51	22.37	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.98	21.83	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.99	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.35	22.47	22.34	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.31	22.46	22.35	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.98	21.87	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.99	21.84	22.50
3GPP Rel 6	HSUPA Subtest-1	22.32	22.51	22.33	23.00
3GPP Rel 6	HSUPA Subtest-2	20.31	20.47	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.31	21.51	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.50	20.33	21.00
3GPP Rel 6	HSUPA Subtest-5	22.35	22.47	22.34	23.00

【WCDMA V_Ant 0_DSI 12】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.86	21.90	21.85	22.80
3GPP Rel 99	RMC 12.2Kbps	21.82	21.93	21.85	22.80
3GPP Rel 6	HSDPA Subtest-1	20.64	20.85	20.83	21.80
3GPP Rel 6	HSDPA Subtest-2	20.76	20.98	20.65	21.80
3GPP Rel 6	HSDPA Subtest-3	20.19	20.45	20.35	21.30
3GPP Rel 6	HSDPA Subtest-4	20.18	20.26	20.28	21.30
3GPP Rel 8	DC-HSDPA Subtest-1	20.54	20.76	20.63	21.80
3GPP Rel 8	DC-HSDPA Subtest-2	20.53	20.60	20.77	21.80
3GPP Rel 8	DC-HSDPA Subtest-3	20.16	20.28	20.09	21.30
3GPP Rel 8	DC-HSDPA Subtest-4	19.96	20.21	20.23	21.30
3GPP Rel 6	HSUPA Subtest-1	20.56	20.80	20.67	21.80
3GPP Rel 6	HSUPA Subtest-2	18.93	18.99	18.81	19.80
3GPP Rel 6	HSUPA Subtest-3	19.89	19.73	20.00	20.80
3GPP Rel 6	HSUPA Subtest-4	18.65	18.89	18.74	19.80
3GPP Rel 6	HSUPA Subtest-5	20.64	20.76	20.75	21.80

【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	23.23	23.24	23.19	24.00
3GPP Rel 99	RMC 12.2Kbps	23.24	23.26	23.21	24.00
3GPP Rel 6	HSDPA Subtest-1	22.19	22.23	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.34	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	21.53	21.83	21.62	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.81	21.54	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.38	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.25	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.80	21.53	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.55	21.74	21.57	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.29	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.13	20.32	20.07	21.00
3GPP Rel 6	HSUPA Subtest-3	21.24	21.24	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	20.10	20.22	20.03	21.00
3GPP Rel 6	HSUPA Subtest-5	22.13	22.20	21.99	23.00



【WCDMA V_Ant 1_DSI 2】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.23	23.24	23.19	24.00
3GPP Rel 99	RMC 12.2Kbps	23.24	23.26	23.21	24.00
3GPP Rel 6	HSDPA Subtest-1	22.19	22.23	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.34	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	21.53	21.83	21.62	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.81	21.54	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.38	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.25	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.80	21.53	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.55	21.74	21.57	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.29	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.13	20.32	20.07	21.00
3GPP Rel 6	HSUPA Subtest-3	21.24	21.24	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	20.10	20.22	20.03	21.00
3GPP Rel 6	HSUPA Subtest-5	22.13	22.20	21.99	23.00

【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	20.14	20.12	20.19	21.50
3GPP Rel 99	RMC 12.2Kbps	20.17	20.21	20.10	21.50
3GPP Rel 6	HSDPA Subtest-1	18.96	19.25	19.13	20.50
3GPP Rel 6	HSDPA Subtest-2	19.09	19.28	18.98	20.50
3GPP Rel 6	HSDPA Subtest-3	18.46	18.69	18.67	20.00
3GPP Rel 6	HSDPA Subtest-4	18.50	18.53	18.62	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.93	19.09	18.90	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.97	19.10	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.47	18.53	18.47	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.33	18.59	18.50	20.00
3GPP Rel 6	HSUPA Subtest-1	18.82	19.04	18.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.19	17.22	17.16	18.50
3GPP Rel 6	HSUPA Subtest-3	18.19	18.07	18.19	19.50
3GPP Rel 6	HSUPA Subtest-4	17.07	17.14	17.11	18.50
3GPP Rel 6	HSUPA Subtest-5	18.98	19.07	19.07	20.50

【WCDMA V_Ant 1_DSI 4】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.14	20.12	20.19	21.50
3GPP Rel 99	RMC 12.2Kbps	20.17	20.21	20.10	21.50
3GPP Rel 6	HSDPA Subtest-1	18.96	19.25	19.13	20.50
3GPP Rel 6	HSDPA Subtest-2	19.09	19.28	18.98	20.50
3GPP Rel 6	HSDPA Subtest-3	18.46	18.69	18.67	20.00
3GPP Rel 6	HSDPA Subtest-4	18.50	18.53	18.62	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.93	19.09	18.90	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.97	19.10	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.47	18.53	18.47	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.33	18.59	18.50	20.00
3GPP Rel 6	HSUPA Subtest-1	18.82	19.04	18.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.19	17.22	17.16	18.50
3GPP Rel 6	HSUPA Subtest-3	18.19	18.07	18.19	19.50
3GPP Rel 6	HSUPA Subtest-4	17.07	17.14	17.11	18.50
3GPP Rel 6	HSUPA Subtest-5	18.98	19.07	19.07	20.50

**【WCDMA V_Ant 1_DSI 6】**

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.14	20.12	20.19	21.50
3GPP Rel 99	RMC 12.2Kbps	20.17	20.21	20.10	21.50
3GPP Rel 6	HSDPA Subtest-1	18.96	19.25	19.13	20.50
3GPP Rel 6	HSDPA Subtest-2	19.09	19.28	18.98	20.50
3GPP Rel 6	HSDPA Subtest-3	18.46	18.69	18.67	20.00
3GPP Rel 6	HSDPA Subtest-4	18.50	18.53	18.62	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.93	19.09	18.90	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.97	19.10	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.47	18.53	18.47	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.33	18.59	18.50	20.00
3GPP Rel 6	HSUPA Subtest-1	18.82	19.04	18.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.19	17.22	17.16	18.50
3GPP Rel 6	HSUPA Subtest-3	18.19	18.07	18.19	19.50
3GPP Rel 6	HSUPA Subtest-4	17.07	17.14	17.11	18.50
3GPP Rel 6	HSUPA Subtest-5	18.98	19.07	19.07	20.50

【WCDMA V_Ant 1_DSI 7】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.23	23.24	23.19	24.00
3GPP Rel 99	RMC 12.2Kbps	23.24	23.26	23.21	24.00
3GPP Rel 6	HSDPA Subtest-1	22.19	22.23	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.01	22.34	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	21.53	21.83	21.62	22.50
3GPP Rel 6	HSDPA Subtest-4	21.67	21.81	21.54	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.38	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.22	22.25	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.80	21.53	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.55	21.74	21.57	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.29	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.13	20.32	20.07	21.00
3GPP Rel 6	HSUPA Subtest-3	21.24	21.24	21.10	22.00
3GPP Rel 6	HSUPA Subtest-4	20.10	20.22	20.03	21.00
3GPP Rel 6	HSUPA Subtest-5	22.13	22.20	21.99	23.00

【WCDMA V_Ant 1_DSI 12】

TX Channel		4132	4182	4233	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.14	20.12	20.19	21.50
3GPP Rel 99	RMC 12.2Kbps	20.17	20.21	20.10	21.50
3GPP Rel 6	HSDPA Subtest-1	18.96	19.25	19.13	20.50
3GPP Rel 6	HSDPA Subtest-2	19.09	19.28	18.98	20.50
3GPP Rel 6	HSDPA Subtest-3	18.46	18.69	18.67	20.00
3GPP Rel 6	HSDPA Subtest-4	18.50	18.53	18.62	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.93	19.09	18.90	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.97	19.10	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.47	18.53	18.47	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.33	18.59	18.50	20.00
3GPP Rel 6	HSUPA Subtest-1	18.82	19.04	18.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.19	17.22	17.16	18.50
3GPP Rel 6	HSUPA Subtest-3	18.19	18.07	18.19	19.50
3GPP Rel 6	HSUPA Subtest-4	17.07	17.14	17.11	18.50
3GPP Rel 6	HSUPA Subtest-5	18.98	19.07	19.07	20.50



<LTE Conducted Power>

【LTE Band 2_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.95	21.97	21.94	23.00
20	QPSK	1	49	21.81	21.88	21.74	23.00
20	QPSK	1	99	21.52	21.68	21.55	23.00
20	QPSK	50	0	20.95	20.99	20.91	22.00
20	QPSK	50	24	20.73	20.78	20.61	22.00
20	QPSK	50	50	20.74	20.87	20.80	22.00
20	QPSK	100	0	20.86	20.92	20.84	22.00
20	16QAM	1	0	20.73	20.78	20.67	22.00
20	16QAM	1	49	20.82	20.90	20.81	22.00
20	16QAM	1	99	20.77	20.83	20.69	22.00
20	16QAM	50	0	19.79	19.91	19.85	21.00
20	16QAM	50	24	19.90	19.93	19.78	21.00
20	16QAM	50	50	19.71	19.85	19.76	21.00
20	16QAM	100	0	19.83	19.89	19.85	21.00
20	64QAM	1	0	19.71	19.78	19.69	21.00
20	64QAM	1	49	19.83	19.89	19.74	21.00
20	64QAM	1	99	19.89	19.92	19.83	21.00
20	64QAM	50	0	18.79	18.83	18.69	20.00
20	64QAM	50	24	18.82	18.91	18.83	20.00
20	64QAM	50	50	18.65	18.79	18.74	20.00
20	64QAM	100	0	18.92	18.96	18.79	20.00
20	256QAM	1	0	16.81	16.94	16.80	18.00
20	256QAM	1	49	16.65	16.79	16.71	18.00
20	256QAM	1	99	16.75	16.83	16.68	18.00
20	256QAM	50	0	16.72	16.78	16.68	18.00
20	256QAM	50	24	16.71	16.79	16.64	18.00
20	256QAM	50	50	16.94	16.98	16.91	18.00
20	256QAM	100	0	16.80	16.85	16.75	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.91	21.93	23.00
15	QPSK	1	37	21.77	21.86	21.73	23.00
15	QPSK	1	74	21.38	21.63	21.50	23.00
15	QPSK	36	0	20.82	20.89	20.78	22.00
15	QPSK	36	20	20.62	20.76	20.50	22.00
15	QPSK	36	39	20.67	20.75	20.68	22.00
15	QPSK	75	0	20.75	20.81	20.79	22.00
15	16QAM	1	0	20.61	20.70	20.53	22.00
15	16QAM	1	37	20.78	20.76	20.68	22.00
15	16QAM	1	74	20.71	20.74	20.67	22.00
15	16QAM	36	0	19.72	19.86	19.70	21.00
15	16QAM	36	20	19.85	19.91	19.71	21.00
15	16QAM	36	39	19.69	19.83	19.68	21.00
15	16QAM	75	0	19.81	19.79	19.78	21.00
15	64QAM	1	0	19.65	19.73	19.66	21.00
15	64QAM	1	37	19.78	19.82	19.66	21.00
15	64QAM	1	74	19.83	19.90	19.78	21.00
15	64QAM	36	0	18.66	18.75	18.59	20.00
15	64QAM	36	20	18.72	18.82	18.74	20.00
15	64QAM	36	39	18.55	18.73	18.68	20.00
15	64QAM	75	0	18.79	18.88	18.68	20.00
15	256QAM	1	0	16.73	16.84	16.67	18.00
15	256QAM	1	37	16.51	16.75	16.60	18.00
15	256QAM	1	74	16.65	16.77	16.55	18.00
15	256QAM	36	0	16.58	16.64	16.59	18.00
15	256QAM	36	20	16.63	16.78	16.60	18.00
15	256QAM	36	39	16.89	16.86	16.85	18.00
15	256QAM	75	0	16.79	16.71	16.67	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.87	21.84	21.89	23.00
10	QPSK	1	25	21.68	21.83	21.69	23.00
10	QPSK	1	49	21.38	21.55	21.50	23.00
10	QPSK	25	0	20.86	20.97	20.87	22.00
10	QPSK	25	12	20.64	20.65	20.60	22.00
10	QPSK	25	25	20.65	20.85	20.74	22.00
10	QPSK	50	0	20.75	20.85	20.83	22.00
10	16QAM	1	0	20.71	20.74	20.54	22.00



10	16QAM	1	25	20.75	20.78	20.71	22.00
10	16QAM	1	49	20.69	20.68	20.56	22.00
10	16QAM	25	0	19.77	19.89	19.75	21.00
10	16QAM	25	12	19.88	19.86	19.70	21.00
10	16QAM	25	25	19.65	19.80	19.64	21.00
10	16QAM	50	0	19.76	19.85	19.75	21.00
10	64QAM	1	0	19.59	19.76	19.66	21.00
10	64QAM	1	25	19.74	19.85	19.72	21.00
10	64QAM	1	49	19.74	19.83	19.79	21.00
10	64QAM	25	0	18.75	18.74	18.67	20.00
10	64QAM	25	12	18.68	18.86	18.68	20.00
10	64QAM	25	25	18.55	18.68	18.69	20.00
10	64QAM	50	0	18.77	18.92	18.65	20.00
10	256QAM	1	0	16.73	16.86	16.78	18.00
10	256QAM	1	25	16.51	16.73	16.63	18.00
10	256QAM	1	49	16.60	16.73	16.60	18.00
10	256QAM	25	0	16.67	16.75	16.64	18.00
10	256QAM	25	12	16.61	16.66	16.52	18.00
10	256QAM	25	25	16.91	16.91	16.89	18.00
10	256QAM	50	0	16.77	16.76	16.70	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.89	21.90	21.91	23.00
5	QPSK	1	12	21.72	21.77	21.72	23.00
5	QPSK	1	24	21.45	21.61	21.54	23.00
5	QPSK	12	0	20.88	20.91	20.83	22.00
5	QPSK	12	7	20.68	20.66	20.56	22.00
5	QPSK	12	13	20.65	20.84	20.69	22.00
5	QPSK	25	0	20.83	20.86	20.70	22.00
5	16QAM	1	0	20.65	20.68	20.58	22.00
5	16QAM	1	12	20.68	20.88	20.74	22.00
5	16QAM	1	24	20.67	20.69	20.63	22.00
5	16QAM	12	0	19.66	19.79	19.80	21.00
5	16QAM	12	7	19.77	19.81	19.68	21.00
5	16QAM	12	13	19.61	19.78	19.65	21.00
5	16QAM	25	0	19.78	19.77	19.72	21.00
5	64QAM	1	0	19.65	19.64	19.67	21.00
5	64QAM	1	12	19.69	19.84	19.60	21.00
5	64QAM	1	24	19.75	19.83	19.73	21.00
5	64QAM	12	0	18.69	18.71	18.65	20.00
5	64QAM	12	7	18.68	18.85	18.69	20.00
5	64QAM	12	13	18.61	18.74	18.63	20.00
5	64QAM	25	0	18.91	18.95	18.77	20.00
5	256QAM	1	0	16.70	16.90	16.73	18.00
5	256QAM	1	12	16.56	16.68	16.69	18.00
5	256QAM	1	24	16.65	16.72	16.59	18.00
5	256QAM	12	0	16.58	16.71	16.64	18.00
5	256QAM	12	7	16.67	16.71	16.52	18.00
5	256QAM	12	13	16.81	16.95	16.84	18.00
5	256QAM	25	0	16.70	16.82	16.60	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.87	21.96	21.87	23.00
3	QPSK	1	8	21.66	21.86	21.63	23.00
3	QPSK	1	14	21.43	21.66	21.53	23.00
3	QPSK	8	0	20.85	20.97	20.85	22.00
3	QPSK	8	4	20.72	20.67	20.51	22.00
3	QPSK	8	7	20.64	20.77	20.79	22.00
3	QPSK	15	0	20.81	20.81	20.73	22.00
3	16QAM	1	0	20.70	20.64	20.58	22.00
3	16QAM	1	8	20.77	20.76	20.75	22.00
3	16QAM	1	14	20.67	20.74	20.54	22.00
3	16QAM	8	0	19.71	19.85	19.76	21.00
3	16QAM	8	4	19.86	19.84	19.65	21.00
3	16QAM	8	7	19.64	19.77	19.64	21.00
3	16QAM	15	0	19.81	19.79	19.83	21.00
3	64QAM	1	0	19.66	19.70	19.68	21.00
3	64QAM	1	8	19.77	19.78	19.67	21.00
3	64QAM	1	14	19.76	19.88	19.76	21.00
3	64QAM	8	0	18.72	18.73	18.56	20.00
3	64QAM	8	4	18.70	18.82	18.77	20.00
3	64QAM	8	7	18.58	18.70	18.67	20.00
3	64QAM	15	0	18.79	18.89	18.66	20.00
3	256QAM	1	0	16.74	16.85	16.79	18.00
3	256QAM	1	8	16.61	16.69	16.57	18.00
3	256QAM	1	14	16.73	16.76	16.58	18.00
3	256QAM	8	0	16.63	16.71	16.53	18.00
3	256QAM	8	4	16.69	16.72	16.61	18.00



3	256QAM	8	7	16.89	16.90	16.77	18.00
3	256QAM	15	0	16.67	16.72	16.71	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.86	21.95	21.84	23.00
1.4	QPSK	1	3	21.72	21.84	21.71	23.00
1.4	QPSK	1	5	21.40	21.63	21.43	23.00
1.4	QPSK	3	0	21.83	21.98	21.85	23.00
1.4	QPSK	3	1	21.71	21.72	21.56	23.00
1.4	QPSK	3	3	21.72	21.78	21.77	23.00
1.4	QPSK	6	0	20.74	20.77	20.73	22.00
1.4	16QAM	1	0	20.58	20.67	20.66	22.00
1.4	16QAM	1	3	20.79	20.84	20.77	22.00
1.4	16QAM	1	5	20.74	20.75	20.66	22.00
1.4	16QAM	3	0	20.67	20.76	20.70	22.00
1.4	16QAM	3	1	20.77	20.92	20.76	22.00
1.4	16QAM	3	3	20.57	20.74	20.69	22.00
1.4	16QAM	6	0	19.69	19.83	19.75	21.00
1.4	64QAM	1	0	19.63	19.67	19.60	21.00
1.4	64QAM	1	3	19.69	19.87	19.69	21.00
1.4	64QAM	1	5	19.79	19.90	19.79	21.00
1.4	64QAM	3	0	19.74	19.68	19.63	21.00
1.4	64QAM	3	1	19.74	19.77	19.69	21.00
1.4	64QAM	3	3	19.56	19.69	19.63	21.00
1.4	64QAM	6	0	18.78	18.90	18.68	20.00
1.4	256QAM	1	0	16.80	16.93	16.67	18.00
1.4	256QAM	1	3	16.51	16.66	16.57	18.00
1.4	256QAM	1	5	16.64	16.81	16.65	18.00
1.4	256QAM	3	0	16.66	16.75	16.65	18.00
1.4	256QAM	3	1	16.64	16.66	16.55	18.00
1.4	256QAM	3	3	16.80	16.89	16.87	18.00
1.4	256QAM	6	0	16.73	16.73	16.67	18.00

【LTE Band 2_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.95	21.97	21.94	23.00
20	QPSK	1	49	21.81	21.88	21.74	23.00
20	QPSK	1	99	21.52	21.68	21.55	23.00
20	QPSK	50	0	20.95	20.99	20.91	22.00
20	QPSK	50	24	20.73	20.78	20.61	22.00
20	QPSK	50	50	20.74	20.87	20.80	22.00
20	QPSK	100	0	20.86	20.92	20.84	22.00
20	16QAM	1	0	20.73	20.78	20.67	22.00
20	16QAM	1	49	20.82	20.90	20.81	22.00
20	16QAM	1	99	20.77	20.83	20.69	22.00
20	16QAM	50	0	19.79	19.91	19.85	21.00
20	16QAM	50	24	19.90	19.93	19.78	21.00
20	16QAM	50	50	19.71	19.85	19.76	21.00
20	16QAM	100	0	19.83	19.89	19.85	21.00
20	64QAM	1	0	19.71	19.78	19.69	21.00
20	64QAM	1	49	19.83	19.89	19.74	21.00
20	64QAM	1	99	19.89	19.92	19.83	21.00
20	64QAM	50	0	18.79	18.83	18.69	20.00
20	64QAM	50	24	18.82	18.91	18.83	20.00
20	64QAM	50	50	18.65	18.79	18.74	20.00
20	64QAM	100	0	18.92	18.96	18.79	20.00
20	256QAM	1	0	16.81	16.94	16.80	18.00
20	256QAM	1	49	16.65	16.79	16.71	18.00
20	256QAM	1	99	16.75	16.83	16.68	18.00
20	256QAM	50	0	16.72	16.78	16.68	18.00
20	256QAM	50	24	16.71	16.79	16.64	18.00
20	256QAM	50	50	16.94	16.98	16.91	18.00
20	256QAM	100	0	16.80	16.85	16.75	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.91	21.93	23.00
15	QPSK	1	37	21.77	21.86	21.73	23.00
15	QPSK	1	74	21.38	21.63	21.50	23.00
15	QPSK	36	0	20.82	20.89	20.78	22.00



FCC SAR Test Report

Report No. : FA5N1310

15	QPSK	36	20	20.62	20.76	20.50	22.00
15	QPSK	36	39	20.67	20.75	20.68	22.00
15	QPSK	75	0	20.75	20.81	20.79	22.00
15	16QAM	1	0	20.61	20.70	20.53	22.00
15	16QAM	1	37	20.78	20.76	20.68	22.00
15	16QAM	1	74	20.71	20.74	20.67	22.00
15	16QAM	36	0	19.72	19.86	19.70	21.00
15	16QAM	36	20	19.85	19.91	19.71	21.00
15	16QAM	36	39	19.69	19.83	19.68	21.00
15	16QAM	75	0	19.81	19.79	19.78	21.00
15	64QAM	1	0	19.65	19.73	19.66	21.00
15	64QAM	1	37	19.78	19.82	19.66	21.00
15	64QAM	1	74	19.83	19.90	19.78	21.00
15	64QAM	36	0	18.66	18.75	18.59	20.00
15	64QAM	36	20	18.72	18.82	18.74	20.00
15	64QAM	36	39	18.55	18.73	18.68	20.00
15	64QAM	75	0	18.79	18.88	18.68	20.00
15	256QAM	1	0	16.73	16.84	16.67	18.00
15	256QAM	1	37	16.51	16.75	16.60	18.00
15	256QAM	1	74	16.65	16.77	16.55	18.00
15	256QAM	36	0	16.58	16.64	16.59	18.00
15	256QAM	36	20	16.63	16.78	16.60	18.00
15	256QAM	36	39	16.89	16.86	16.85	18.00
15	256QAM	75	0	16.79	16.71	16.67	18.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.87	21.84	21.89	23.00
10	QPSK	1	25	21.68	21.83	21.69	23.00
10	QPSK	1	49	21.38	21.55	21.50	23.00
10	QPSK	25	0	20.86	20.97	20.87	22.00
10	QPSK	25	12	20.64	20.65	20.60	22.00
10	QPSK	25	25	20.65	20.85	20.74	22.00
10	QPSK	50	0	20.75	20.85	20.83	22.00
10	16QAM	1	0	20.71	20.74	20.54	22.00
10	16QAM	1	25	20.75	20.78	20.71	22.00
10	16QAM	1	49	20.69	20.68	20.56	22.00
10	16QAM	25	0	19.77	19.89	19.75	21.00
10	16QAM	25	12	19.88	19.86	19.70	21.00
10	16QAM	25	25	19.65	19.80	19.64	21.00
10	16QAM	50	0	19.76	19.85	19.75	21.00
10	64QAM	1	0	19.59	19.76	19.66	21.00
10	64QAM	1	25	19.74	19.85	19.72	21.00
10	64QAM	1	49	19.74	19.83	19.79	21.00
10	64QAM	25	0	18.75	18.74	18.67	20.00
10	64QAM	25	12	18.68	18.86	18.68	20.00
10	64QAM	25	25	18.55	18.68	18.69	20.00
10	64QAM	50	0	18.77	18.92	18.65	20.00
10	256QAM	1	0	16.73	16.86	16.78	18.00
10	256QAM	1	25	16.51	16.73	16.63	18.00
10	256QAM	1	49	16.60	16.73	16.60	18.00
10	256QAM	25	0	16.67	16.75	16.64	18.00
10	256QAM	25	12	16.61	16.66	16.52	18.00
10	256QAM	25	25	16.91	16.91	16.89	18.00
10	256QAM	50	0	16.77	16.76	16.70	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.89	21.90	21.91	23.00
5	QPSK	1	12	21.72	21.77	21.72	23.00
5	QPSK	1	24	21.45	21.61	21.54	23.00
5	QPSK	12	0	20.88	20.91	20.83	22.00
5	QPSK	12	7	20.68	20.66	20.56	22.00
5	QPSK	12	13	20.65	20.84	20.69	22.00
5	QPSK	25	0	20.83	20.86	20.70	22.00
5	16QAM	1	0	20.65	20.68	20.58	22.00
5	16QAM	1	12	20.68	20.88	20.74	22.00
5	16QAM	1	24	20.67	20.69	20.63	22.00
5	16QAM	12	0	19.66	19.79	19.80	21.00
5	16QAM	12	7	19.77	19.81	19.68	21.00
5	16QAM	12	13	19.61	19.78	19.65	21.00
5	16QAM	25	0	19.78	19.77	19.72	21.00
5	64QAM	1	0	19.65	19.64	19.67	21.00
5	64QAM	1	12	19.69	19.84	19.60	21.00
5	64QAM	1	24	19.75	19.83	19.73	21.00
5	64QAM	12	0	18.69	18.71	18.65	20.00
5	64QAM	12	7	18.68	18.85	18.69	20.00
5	64QAM	12	13	18.61	18.74	18.63	20.00
5	64QAM	25	0	18.91	18.95	18.77	20.00
5	256QAM	1	0	16.70	16.90	16.73	18.00



5	256QAM	1	12	16.56	16.68	16.69	18.00
5	256QAM	1	24	16.65	16.72	16.59	18.00
5	256QAM	12	0	16.58	16.71	16.64	18.00
5	256QAM	12	7	16.67	16.71	16.52	18.00
5	256QAM	12	13	16.81	16.95	16.84	18.00
5	256QAM	25	0	16.70	16.82	16.60	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.87	21.96	21.87	23.00
3	QPSK	1	8	21.66	21.86	21.63	23.00
3	QPSK	1	14	21.43	21.66	21.53	23.00
3	QPSK	8	0	20.85	20.97	20.85	22.00
3	QPSK	8	4	20.72	20.67	20.51	22.00
3	QPSK	8	7	20.64	20.77	20.79	22.00
3	QPSK	15	0	20.81	20.81	20.73	22.00
3	16QAM	1	0	20.70	20.64	20.58	22.00
3	16QAM	1	8	20.77	20.76	20.75	22.00
3	16QAM	1	14	20.67	20.74	20.54	22.00
3	16QAM	8	0	19.71	19.85	19.76	21.00
3	16QAM	8	4	19.86	19.84	19.65	21.00
3	16QAM	8	7	19.64	19.77	19.64	21.00
3	16QAM	15	0	19.81	19.79	19.83	21.00
3	64QAM	1	0	19.66	19.70	19.68	21.00
3	64QAM	1	8	19.77	19.78	19.67	21.00
3	64QAM	1	14	19.76	19.88	19.76	21.00
3	64QAM	8	0	18.72	18.73	18.56	20.00
3	64QAM	8	4	18.70	18.82	18.77	20.00
3	64QAM	8	7	18.58	18.70	18.67	20.00
3	64QAM	15	0	18.79	18.89	18.66	20.00
3	256QAM	1	0	16.74	16.85	16.79	18.00
3	256QAM	1	8	16.61	16.69	16.57	18.00
3	256QAM	1	14	16.73	16.76	16.58	18.00
3	256QAM	8	0	16.63	16.71	16.53	18.00
3	256QAM	8	4	16.69	16.72	16.61	18.00
3	256QAM	8	7	16.89	16.90	16.77	18.00
3	256QAM	15	0	16.67	16.72	16.71	18.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.86	21.95	21.84	23.00
1.4	QPSK	1	3	21.72	21.84	21.71	23.00
1.4	QPSK	1	5	21.40	21.63	21.43	23.00
1.4	QPSK	3	0	21.83	21.98	21.85	23.00
1.4	QPSK	3	1	21.71	21.72	21.56	23.00
1.4	QPSK	3	3	21.72	21.78	21.77	23.00
1.4	QPSK	6	0	20.74	20.77	20.73	22.00
1.4	16QAM	1	0	20.58	20.67	20.66	22.00
1.4	16QAM	1	3	20.79	20.84	20.77	22.00
1.4	16QAM	1	5	20.74	20.75	20.66	22.00
1.4	16QAM	3	0	20.67	20.76	20.70	22.00
1.4	16QAM	3	1	20.77	20.92	20.76	22.00
1.4	16QAM	3	3	20.57	20.74	20.69	22.00
1.4	16QAM	6	0	19.69	19.83	19.75	21.00
1.4	64QAM	1	0	19.63	19.67	19.60	21.00
1.4	64QAM	1	3	19.69	19.87	19.69	21.00
1.4	64QAM	1	5	19.79	19.90	19.79	21.00
1.4	64QAM	3	0	19.74	19.68	19.63	21.00
1.4	64QAM	3	1	19.74	19.77	19.69	21.00
1.4	64QAM	3	3	19.56	19.69	19.63	21.00
1.4	64QAM	6	0	18.78	18.90	18.68	20.00
1.4	256QAM	1	0	16.80	16.93	16.67	18.00
1.4	256QAM	1	3	16.51	16.66	16.57	18.00
1.4	256QAM	1	5	16.64	16.81	16.65	18.00
1.4	256QAM	3	0	16.66	16.75	16.65	18.00
1.4	256QAM	3	1	16.64	16.66	16.55	18.00
1.4	256QAM	3	3	16.80	16.89	16.87	18.00
1.4	256QAM	6	0	16.73	16.73	16.67	18.00



【LTE Band 2_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				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.95	21.97	21.94	22.70
20	QPSK	1	49	21.81	21.88	21.74	22.70
20	QPSK	1	99	21.52	21.68	21.55	22.70
20	QPSK	50	0	20.95	20.99	20.91	21.70
20	QPSK	50	24	20.73	20.78	20.61	21.70
20	QPSK	50	50	20.74	20.87	20.80	21.70
20	QPSK	100	0	20.86	20.92	20.84	21.70
20	16QAM	1	0	20.73	20.78	20.67	21.70
20	16QAM	1	49	20.82	20.90	20.81	21.70
20	16QAM	1	99	20.77	20.83	20.69	21.70
20	16QAM	50	0	19.79	19.91	19.85	20.70
20	16QAM	50	24	19.90	19.93	19.78	20.70
20	16QAM	50	50	19.71	19.85	19.76	20.70
20	16QAM	100	0	19.83	19.89	19.85	20.70
20	64QAM	1	0	19.71	19.78	19.69	20.70
20	64QAM	1	49	19.83	19.89	19.74	20.70
20	64QAM	1	99	19.89	19.92	19.83	20.70
20	64QAM	50	0	18.79	18.83	18.69	19.70
20	64QAM	50	24	18.82	18.91	18.83	19.70
20	64QAM	50	50	18.65	18.79	18.74	19.70
20	64QAM	100	0	18.92	18.96	18.79	19.70
20	256QAM	1	0	16.81	16.94	16.80	17.70
20	256QAM	1	49	16.65	16.79	16.71	17.70
20	256QAM	1	99	16.75	16.83	16.68	17.70
20	256QAM	50	0	16.72	16.78	16.68	17.70
20	256QAM	50	24	16.71	16.79	16.64	17.70
20	256QAM	50	50	16.94	16.98	16.91	17.70
20	256QAM	100	0	16.80	16.85	16.75	17.70
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.91	21.93	22.70
15	QPSK	1	37	21.77	21.86	21.73	22.70
15	QPSK	1	74	21.38	21.63	21.50	22.70
15	QPSK	36	0	20.82	20.89	20.78	21.70
15	QPSK	36	20	20.62	20.76	20.50	21.70
15	QPSK	36	39	20.67	20.75	20.68	21.70
15	QPSK	75	0	20.75	20.81	20.79	21.70
15	16QAM	1	0	20.61	20.70	20.53	21.70
15	16QAM	1	37	20.78	20.76	20.68	21.70
15	16QAM	1	74	20.71	20.74	20.67	21.70
15	16QAM	36	0	19.72	19.86	19.70	20.70
15	16QAM	36	20	19.85	19.91	19.71	20.70
15	16QAM	36	39	19.69	19.83	19.68	20.70
15	16QAM	75	0	19.81	19.79	19.78	20.70
15	64QAM	1	0	19.65	19.73	19.66	20.70
15	64QAM	1	37	19.78	19.82	19.66	20.70
15	64QAM	1	74	19.83	19.90	19.78	20.70
15	64QAM	36	0	18.66	18.75	18.59	19.70
15	64QAM	36	20	18.72	18.82	18.74	19.70
15	64QAM	36	39	18.55	18.73	18.68	19.70
15	64QAM	75	0	18.79	18.88	18.68	19.70
15	256QAM	1	0	16.73	16.84	16.67	17.70
15	256QAM	1	37	16.51	16.75	16.60	17.70
15	256QAM	1	74	16.65	16.77	16.55	17.70
15	256QAM	36	0	16.58	16.64	16.59	17.70
15	256QAM	36	20	16.63	16.78	16.60	17.70
15	256QAM	36	39	16.89	16.86	16.85	17.70
15	256QAM	75	0	16.79	16.71	16.67	17.70
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.87	21.84	21.89	22.70
10	QPSK	1	25	21.68	21.83	21.69	22.70
10	QPSK	1	49	21.38	21.55	21.50	22.70
10	QPSK	25	0	20.86	20.97	20.87	21.70
10	QPSK	25	12	20.64	20.65	20.60	21.70
10	QPSK	25	25	20.65	20.85	20.74	21.70
10	QPSK	50	0	20.75	20.85	20.83	21.70
10	16QAM	1	0	20.71	20.74	20.54	21.70
10	16QAM	1	25	20.75	20.78	20.71	21.70
10	16QAM	1	49	20.69	20.68	20.56	21.70
10	16QAM	25	0	19.77	19.89	19.75	20.70



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	19.88	19.86	19.70	20.70
10	16QAM	25	25	19.65	19.80	19.64	20.70
10	16QAM	50	0	19.76	19.85	19.75	20.70
10	64QAM	1	0	19.59	19.76	19.66	20.70
10	64QAM	1	25	19.74	19.85	19.72	20.70
10	64QAM	1	49	19.74	19.83	19.79	20.70
10	64QAM	25	0	18.75	18.74	18.67	19.70
10	64QAM	25	12	18.68	18.86	18.68	19.70
10	64QAM	25	25	18.55	18.68	18.69	19.70
10	64QAM	50	0	18.77	18.92	18.65	19.70
10	256QAM	1	0	16.73	16.86	16.78	17.70
10	256QAM	1	25	16.51	16.73	16.63	17.70
10	256QAM	1	49	16.60	16.73	16.60	17.70
10	256QAM	25	0	16.67	16.75	16.64	17.70
10	256QAM	25	12	16.61	16.66	16.52	17.70
10	256QAM	25	25	16.91	16.91	16.89	17.70
10	256QAM	50	0	16.77	16.76	16.70	17.70
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.89	21.90	21.91	22.70
5	QPSK	1	12	21.72	21.77	21.72	22.70
5	QPSK	1	24	21.45	21.61	21.54	22.70
5	QPSK	12	0	20.88	20.91	20.83	21.70
5	QPSK	12	7	20.68	20.66	20.56	21.70
5	QPSK	12	13	20.65	20.84	20.69	21.70
5	QPSK	25	0	20.83	20.86	20.70	21.70
5	16QAM	1	0	20.65	20.68	20.58	21.70
5	16QAM	1	12	20.68	20.88	20.74	21.70
5	16QAM	1	24	20.67	20.69	20.63	21.70
5	16QAM	12	0	19.66	19.79	19.80	20.70
5	16QAM	12	7	19.77	19.81	19.68	20.70
5	16QAM	12	13	19.61	19.78	19.65	20.70
5	16QAM	25	0	19.78	19.77	19.72	20.70
5	64QAM	1	0	19.65	19.64	19.67	20.70
5	64QAM	1	12	19.69	19.84	19.60	20.70
5	64QAM	1	24	19.75	19.83	19.73	20.70
5	64QAM	12	0	18.69	18.71	18.65	19.70
5	64QAM	12	7	18.68	18.85	18.69	19.70
5	64QAM	12	13	18.61	18.74	18.63	19.70
5	64QAM	25	0	18.91	18.95	18.77	19.70
5	256QAM	1	0	16.70	16.90	16.73	17.70
5	256QAM	1	12	16.56	16.68	16.69	17.70
5	256QAM	1	24	16.65	16.72	16.59	17.70
5	256QAM	12	0	16.58	16.71	16.64	17.70
5	256QAM	12	7	16.67	16.71	16.52	17.70
5	256QAM	12	13	16.81	16.95	16.84	17.70
5	256QAM	25	0	16.70	16.82	16.60	17.70
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.87	21.96	21.87	22.70
3	QPSK	1	8	21.66	21.86	21.63	22.70
3	QPSK	1	14	21.43	21.66	21.53	22.70
3	QPSK	8	0	20.85	20.97	20.85	21.70
3	QPSK	8	4	20.72	20.67	20.51	21.70
3	QPSK	8	7	20.64	20.77	20.79	21.70
3	QPSK	15	0	20.81	20.81	20.73	21.70
3	16QAM	1	0	20.70	20.64	20.58	21.70
3	16QAM	1	8	20.77	20.76	20.75	21.70
3	16QAM	1	14	20.67	20.74	20.54	21.70
3	16QAM	8	0	19.71	19.85	19.76	20.70
3	16QAM	8	4	19.86	19.84	19.65	20.70
3	16QAM	8	7	19.64	19.77	19.64	20.70
3	16QAM	15	0	19.81	19.79	19.83	20.70
3	64QAM	1	0	19.66	19.70	19.68	20.70
3	64QAM	1	8	19.77	19.78	19.67	20.70
3	64QAM	1	14	19.76	19.88	19.76	20.70
3	64QAM	8	0	18.72	18.73	18.56	19.70
3	64QAM	8	4	18.70	18.82	18.77	19.70
3	64QAM	8	7	18.58	18.70	18.67	19.70
3	64QAM	15	0	18.79	18.89	18.66	19.70
3	256QAM	1	0	16.74	16.85	16.79	17.70
3	256QAM	1	8	16.61	16.69	16.57	17.70
3	256QAM	1	14	16.73	16.76	16.58	17.70
3	256QAM	8	0	16.63	16.71	16.53	17.70
3	256QAM	8	4	16.69	16.72	16.61	17.70
3	256QAM	8	7	16.89	16.90	16.77	17.70
3	256QAM	15	0	16.67	16.72	16.71	17.70
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.86	21.95	21.84	22.70
1.4	QPSK	1	3	21.72	21.84	21.71	22.70
1.4	QPSK	1	5	21.40	21.63	21.43	22.70
1.4	QPSK	3	0	21.83	21.98	21.85	22.70
1.4	QPSK	3	1	21.71	21.72	21.56	22.70
1.4	QPSK	3	3	21.72	21.78	21.77	22.70
1.4	QPSK	6	0	20.74	20.77	20.73	21.70
1.4	16QAM	1	0	20.58	20.67	20.66	21.70
1.4	16QAM	1	3	20.79	20.84	20.77	21.70
1.4	16QAM	1	5	20.74	20.75	20.66	21.70
1.4	16QAM	3	0	20.67	20.76	20.70	21.70
1.4	16QAM	3	1	20.77	20.92	20.76	21.70
1.4	16QAM	3	3	20.57	20.74	20.69	21.70
1.4	16QAM	6	0	19.69	19.83	19.75	20.70
1.4	64QAM	1	0	19.63	19.67	19.60	20.70
1.4	64QAM	1	3	19.69	19.87	19.69	20.70
1.4	64QAM	1	5	19.79	19.90	19.79	20.70
1.4	64QAM	3	0	19.74	19.68	19.63	20.70
1.4	64QAM	3	1	19.74	19.77	19.69	20.70
1.4	64QAM	3	3	19.56	19.69	19.63	20.70
1.4	64QAM	6	0	18.78	18.90	18.68	19.70
1.4	256QAM	1	0	16.80	16.93	16.67	17.70
1.4	256QAM	1	3	16.51	16.66	16.57	17.70
1.4	256QAM	1	5	16.64	16.81	16.65	17.70
1.4	256QAM	3	0	16.66	16.75	16.65	17.70
1.4	256QAM	3	1	16.64	16.66	16.55	17.70
1.4	256QAM	3	3	16.80	16.89	16.87	17.70
1.4	256QAM	6	0	16.73	16.73	16.67	17.70

【LTE Band 2_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				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.95	21.97	21.94	23.00
20	QPSK	1	49	21.81	21.88	21.74	23.00
20	QPSK	1	99	21.52	21.68	21.55	23.00
20	QPSK	50	0	20.95	20.99	20.91	22.00
20	QPSK	50	24	20.73	20.78	20.61	22.00
20	QPSK	50	50	20.74	20.87	20.80	22.00
20	QPSK	100	0	20.86	20.92	20.84	22.00
20	16QAM	1	0	20.73	20.78	20.67	22.00
20	16QAM	1	49	20.82	20.90	20.81	22.00
20	16QAM	1	99	20.77	20.83	20.69	22.00
20	16QAM	50	0	19.79	19.91	19.85	21.00
20	16QAM	50	24	19.90	19.93	19.78	21.00
20	16QAM	50	50	19.71	19.85	19.76	21.00
20	16QAM	100	0	19.83	19.89	19.85	21.00
20	64QAM	1	0	19.71	19.78	19.69	21.00
20	64QAM	1	49	19.83	19.89	19.74	21.00
20	64QAM	1	99	19.89	19.92	19.83	21.00
20	64QAM	50	0	18.79	18.83	18.69	20.00
20	64QAM	50	24	18.82	18.91	18.83	20.00
20	64QAM	50	50	18.65	18.79	18.74	20.00
20	64QAM	100	0	18.92	18.96	18.79	20.00
20	256QAM	1	0	16.81	16.94	16.80	18.00
20	256QAM	1	49	16.65	16.79	16.71	18.00
20	256QAM	1	99	16.75	16.83	16.68	18.00
20	256QAM	50	0	16.72	16.78	16.68	18.00
20	256QAM	50	24	16.71	16.79	16.64	18.00
20	256QAM	50	50	16.94	16.98	16.91	18.00
20	256QAM	100	0	16.80	16.85	16.75	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.91	21.93	23.00
15	QPSK	1	37	21.77	21.86	21.73	23.00
15	QPSK	1	74	21.38	21.63	21.50	23.00
15	QPSK	36	0	20.82	20.89	20.78	22.00
15	QPSK	36	20	20.62	20.76	20.50	22.00
15	QPSK	36	39	20.67	20.75	20.68	22.00
15	QPSK	75	0	20.75	20.81	20.79	22.00



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	20.61	20.70	20.53	22.00
15	16QAM	1	37	20.78	20.76	20.68	22.00
15	16QAM	1	74	20.71	20.74	20.67	22.00
15	16QAM	36	0	19.72	19.86	19.70	21.00
15	16QAM	36	20	19.85	19.91	19.71	21.00
15	16QAM	36	39	19.69	19.83	19.68	21.00
15	16QAM	75	0	19.81	19.79	19.78	21.00
15	64QAM	1	0	19.65	19.73	19.66	21.00
15	64QAM	1	37	19.78	19.82	19.66	21.00
15	64QAM	1	74	19.83	19.90	19.78	21.00
15	64QAM	36	0	18.66	18.75	18.59	20.00
15	64QAM	36	20	18.72	18.82	18.74	20.00
15	64QAM	36	39	18.55	18.73	18.68	20.00
15	64QAM	75	0	18.79	18.88	18.68	20.00
15	256QAM	1	0	16.73	16.84	16.67	18.00
15	256QAM	1	37	16.51	16.75	16.60	18.00
15	256QAM	1	74	16.65	16.77	16.55	18.00
15	256QAM	36	0	16.58	16.64	16.59	18.00
15	256QAM	36	20	16.63	16.78	16.60	18.00
15	256QAM	36	39	16.89	16.86	16.85	18.00
15	256QAM	75	0	16.79	16.71	16.67	18.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.87	21.84	21.89	23.00
10	QPSK	1	25	21.68	21.83	21.69	23.00
10	QPSK	1	49	21.38	21.55	21.50	23.00
10	QPSK	25	0	20.86	20.97	20.87	22.00
10	QPSK	25	12	20.64	20.65	20.60	22.00
10	QPSK	25	25	20.65	20.85	20.74	22.00
10	QPSK	50	0	20.75	20.85	20.83	22.00
10	16QAM	1	0	20.71	20.74	20.54	22.00
10	16QAM	1	25	20.75	20.78	20.71	22.00
10	16QAM	1	49	20.69	20.68	20.56	22.00
10	16QAM	25	0	19.77	19.89	19.75	21.00
10	16QAM	25	12	19.88	19.86	19.70	21.00
10	16QAM	25	25	19.65	19.80	19.64	21.00
10	16QAM	50	0	19.76	19.85	19.75	21.00
10	64QAM	1	0	19.59	19.76	19.66	21.00
10	64QAM	1	25	19.74	19.85	19.72	21.00
10	64QAM	1	49	19.74	19.83	19.79	21.00
10	64QAM	25	0	18.75	18.74	18.67	20.00
10	64QAM	25	12	18.68	18.86	18.68	20.00
10	64QAM	25	25	18.55	18.68	18.69	20.00
10	64QAM	50	0	18.77	18.92	18.65	20.00
10	256QAM	1	0	16.73	16.86	16.78	18.00
10	256QAM	1	25	16.51	16.73	16.63	18.00
10	256QAM	1	49	16.60	16.73	16.60	18.00
10	256QAM	25	0	16.67	16.75	16.64	18.00
10	256QAM	25	12	16.61	16.66	16.52	18.00
10	256QAM	25	25	16.91	16.91	16.89	18.00
10	256QAM	50	0	16.77	16.76	16.70	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.89	21.90	21.91	23.00
5	QPSK	1	12	21.72	21.77	21.72	23.00
5	QPSK	1	24	21.45	21.61	21.54	23.00
5	QPSK	12	0	20.88	20.91	20.83	22.00
5	QPSK	12	7	20.68	20.66	20.56	22.00
5	QPSK	12	13	20.65	20.84	20.69	22.00
5	QPSK	25	0	20.83	20.86	20.70	22.00
5	16QAM	1	0	20.65	20.68	20.58	22.00
5	16QAM	1	12	20.68	20.88	20.74	22.00
5	16QAM	1	24	20.67	20.69	20.63	22.00
5	16QAM	12	0	19.66	19.79	19.80	21.00
5	16QAM	12	7	19.77	19.81	19.68	21.00
5	16QAM	12	13	19.61	19.78	19.65	21.00
5	16QAM	25	0	19.78	19.77	19.72	21.00
5	64QAM	1	0	19.65	19.64	19.67	21.00
5	64QAM	1	12	19.69	19.84	19.60	21.00
5	64QAM	1	24	19.75	19.83	19.73	21.00
5	64QAM	12	0	18.69	18.71	18.65	20.00
5	64QAM	12	7	18.68	18.85	18.69	20.00
5	64QAM	12	13	18.61	18.74	18.63	20.00
5	64QAM	25	0	18.91	18.95	18.77	20.00
5	256QAM	1	0	16.70	16.90	16.73	18.00
5	256QAM	1	12	16.56	16.68	16.69	18.00
5	256QAM	1	24	16.65	16.72	16.59	18.00
5	256QAM	12	0	16.58	16.71	16.64	18.00



5	256QAM	12	7	16.67	16.71	16.52	18.00
5	256QAM	12	13	16.81	16.95	16.84	18.00
5	256QAM	25	0	16.70	16.82	16.60	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.87	21.96	21.87	23.00
3	QPSK	1	8	21.66	21.86	21.63	23.00
3	QPSK	1	14	21.43	21.66	21.53	23.00
3	QPSK	8	0	20.85	20.97	20.85	22.00
3	QPSK	8	4	20.72	20.67	20.51	22.00
3	QPSK	8	7	20.64	20.77	20.79	22.00
3	QPSK	15	0	20.81	20.81	20.73	22.00
3	16QAM	1	0	20.70	20.64	20.58	22.00
3	16QAM	1	8	20.77	20.76	20.75	22.00
3	16QAM	1	14	20.67	20.74	20.54	22.00
3	16QAM	8	0	19.71	19.85	19.76	21.00
3	16QAM	8	4	19.86	19.84	19.65	21.00
3	16QAM	8	7	19.64	19.77	19.64	21.00
3	16QAM	15	0	19.81	19.79	19.83	21.00
3	64QAM	1	0	19.66	19.70	19.68	21.00
3	64QAM	1	8	19.77	19.78	19.67	21.00
3	64QAM	1	14	19.76	19.88	19.76	21.00
3	64QAM	8	0	18.72	18.73	18.56	20.00
3	64QAM	8	4	18.70	18.82	18.77	20.00
3	64QAM	8	7	18.58	18.70	18.67	20.00
3	64QAM	15	0	18.79	18.89	18.66	20.00
3	256QAM	1	0	16.74	16.85	16.79	18.00
3	256QAM	1	8	16.61	16.69	16.57	18.00
3	256QAM	1	14	16.73	16.76	16.58	18.00
3	256QAM	8	0	16.63	16.71	16.53	18.00
3	256QAM	8	4	16.69	16.72	16.61	18.00
3	256QAM	8	7	16.89	16.90	16.77	18.00
3	256QAM	15	0	16.67	16.72	16.71	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.86	21.95	21.84	23.00
1.4	QPSK	1	3	21.72	21.84	21.71	23.00
1.4	QPSK	1	5	21.40	21.63	21.43	23.00
1.4	QPSK	3	0	21.83	21.98	21.85	23.00
1.4	QPSK	3	1	21.71	21.72	21.56	23.00
1.4	QPSK	3	3	21.72	21.78	21.77	23.00
1.4	QPSK	6	0	20.74	20.77	20.73	22.00
1.4	16QAM	1	0	20.58	20.67	20.66	22.00
1.4	16QAM	1	3	20.79	20.84	20.77	22.00
1.4	16QAM	1	5	20.74	20.75	20.66	22.00
1.4	16QAM	3	0	20.67	20.76	20.70	22.00
1.4	16QAM	3	1	20.77	20.92	20.76	22.00
1.4	16QAM	3	3	20.57	20.74	20.69	22.00
1.4	16QAM	6	0	19.69	19.83	19.75	21.00
1.4	64QAM	1	0	19.63	19.67	19.60	21.00
1.4	64QAM	1	3	19.69	19.87	19.69	21.00
1.4	64QAM	1	5	19.79	19.90	19.79	21.00
1.4	64QAM	3	0	19.74	19.68	19.63	21.00
1.4	64QAM	3	1	19.74	19.77	19.69	21.00
1.4	64QAM	3	3	19.56	19.69	19.63	21.00
1.4	64QAM	6	0	18.78	18.90	18.68	20.00
1.4	256QAM	1	0	16.80	16.93	16.67	18.00
1.4	256QAM	1	3	16.51	16.66	16.57	18.00
1.4	256QAM	1	5	16.64	16.81	16.65	18.00
1.4	256QAM	3	0	16.66	16.75	16.65	18.00
1.4	256QAM	3	1	16.64	16.66	16.55	18.00
1.4	256QAM	3	3	16.80	16.89	16.87	18.00
1.4	256QAM	6	0	16.73	16.73	16.67	18.00

【LTE Band 2_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.95	21.97	21.94	22.90
20	QPSK	1	49	21.81	21.88	21.74	22.90
20	QPSK	1	99	21.52	21.68	21.55	22.90
20	QPSK	50	0	20.95	20.99	20.91	21.90
20	QPSK	50	24	20.73	20.78	20.61	21.90
20	QPSK	50	50	20.74	20.87	20.80	21.90
20	QPSK	100	0	20.86	20.92	20.84	21.90
20	16QAM	1	0	20.73	20.78	20.67	21.90
20	16QAM	1	49	20.82	20.90	20.81	21.90
20	16QAM	1	99	20.77	20.83	20.69	21.90
20	16QAM	50	0	19.79	19.91	19.85	20.90
20	16QAM	50	24	19.90	19.93	19.78	20.90
20	16QAM	50	50	19.71	19.85	19.76	20.90
20	16QAM	100	0	19.83	19.89	19.85	20.90
20	64QAM	1	0	19.71	19.78	19.69	20.90
20	64QAM	1	49	19.83	19.89	19.74	20.90
20	64QAM	1	99	19.89	19.92	19.83	20.90
20	64QAM	50	0	18.79	18.83	18.69	19.90
20	64QAM	50	24	18.82	18.91	18.83	19.90
20	64QAM	50	50	18.65	18.79	18.74	19.90
20	64QAM	100	0	18.92	18.96	18.79	19.90
20	256QAM	1	0	16.81	16.94	16.80	17.90
20	256QAM	1	49	16.65	16.79	16.71	17.90
20	256QAM	1	99	16.75	16.83	16.68	17.90
20	256QAM	50	0	16.72	16.78	16.68	17.90
20	256QAM	50	24	16.71	16.79	16.64	17.90
20	256QAM	50	50	16.94	16.98	16.91	17.90
20	256QAM	100	0	16.80	16.85	16.75	17.90
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.91	21.93	22.90
15	QPSK	1	37	21.77	21.86	21.73	22.90
15	QPSK	1	74	21.38	21.63	21.50	22.90
15	QPSK	36	0	20.82	20.89	20.78	21.90
15	QPSK	36	20	20.62	20.76	20.50	21.90
15	QPSK	36	39	20.67	20.75	20.68	21.90
15	QPSK	75	0	20.75	20.81	20.79	21.90
15	16QAM	1	0	20.61	20.70	20.53	21.90
15	16QAM	1	37	20.78	20.76	20.68	21.90
15	16QAM	1	74	20.71	20.74	20.67	21.90
15	16QAM	36	0	19.72	19.86	19.70	20.90
15	16QAM	36	20	19.85	19.91	19.71	20.90
15	16QAM	36	39	19.69	19.83	19.68	20.90
15	16QAM	75	0	19.81	19.79	19.78	20.90
15	64QAM	1	0	19.65	19.73	19.66	20.90
15	64QAM	1	37	19.78	19.82	19.66	20.90
15	64QAM	1	74	19.83	19.90	19.78	20.90
15	64QAM	36	0	18.66	18.75	18.59	19.90
15	64QAM	36	20	18.72	18.82	18.74	19.90
15	64QAM	36	39	18.55	18.73	18.68	19.90
15	64QAM	75	0	18.79	18.88	18.68	19.90
15	256QAM	1	0	16.73	16.84	16.67	17.90
15	256QAM	1	37	16.51	16.75	16.60	17.90
15	256QAM	1	74	16.65	16.77	16.55	17.90
15	256QAM	36	0	16.58	16.64	16.59	17.90
15	256QAM	36	20	16.63	16.78	16.60	17.90
15	256QAM	36	39	16.89	16.86	16.85	17.90
15	256QAM	75	0	16.79	16.71	16.67	17.90
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.87	21.84	21.89	22.90
10	QPSK	1	25	21.68	21.83	21.69	22.90
10	QPSK	1	49	21.38	21.55	21.50	22.90
10	QPSK	25	0	20.86	20.97	20.87	21.90
10	QPSK	25	12	20.64	20.65	20.60	21.90
10	QPSK	25	25	20.65	20.85	20.74	21.90
10	QPSK	50	0	20.75	20.85	20.83	21.90
10	16QAM	1	0	20.71	20.74	20.54	21.90
10	16QAM	1	25	20.75	20.78	20.71	21.90
10	16QAM	1	49	20.69	20.68	20.56	21.90
10	16QAM	25	0	19.77	19.89	19.75	20.90



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	19.88	19.86	19.70	20.90
10	16QAM	25	25	19.65	19.80	19.64	20.90
10	16QAM	50	0	19.76	19.85	19.75	20.90
10	64QAM	1	0	19.59	19.76	19.66	20.90
10	64QAM	1	25	19.74	19.85	19.72	20.90
10	64QAM	1	49	19.74	19.83	19.79	20.90
10	64QAM	25	0	18.75	18.74	18.67	19.90
10	64QAM	25	12	18.68	18.86	18.68	19.90
10	64QAM	25	25	18.55	18.68	18.69	19.90
10	64QAM	50	0	18.77	18.92	18.65	19.90
10	256QAM	1	0	16.73	16.86	16.78	17.90
10	256QAM	1	25	16.51	16.73	16.63	17.90
10	256QAM	1	49	16.60	16.73	16.60	17.90
10	256QAM	25	0	16.67	16.75	16.64	17.90
10	256QAM	25	12	16.61	16.66	16.52	17.90
10	256QAM	25	25	16.91	16.91	16.89	17.90
10	256QAM	50	0	16.77	16.76	16.70	17.90
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.89	21.90	21.91	22.90
5	QPSK	1	12	21.72	21.77	21.72	22.90
5	QPSK	1	24	21.45	21.61	21.54	22.90
5	QPSK	12	0	20.88	20.91	20.83	21.90
5	QPSK	12	7	20.68	20.66	20.56	21.90
5	QPSK	12	13	20.65	20.84	20.69	21.90
5	QPSK	25	0	20.83	20.86	20.70	21.90
5	16QAM	1	0	20.65	20.68	20.58	21.90
5	16QAM	1	12	20.68	20.88	20.74	21.90
5	16QAM	1	24	20.67	20.69	20.63	21.90
5	16QAM	12	0	19.66	19.79	19.80	20.90
5	16QAM	12	7	19.77	19.81	19.68	20.90
5	16QAM	12	13	19.61	19.78	19.65	20.90
5	16QAM	25	0	19.78	19.77	19.72	20.90
5	64QAM	1	0	19.65	19.64	19.67	20.90
5	64QAM	1	12	19.69	19.84	19.60	20.90
5	64QAM	1	24	19.75	19.83	19.73	20.90
5	64QAM	12	0	18.69	18.71	18.65	19.90
5	64QAM	12	7	18.68	18.85	18.69	19.90
5	64QAM	12	13	18.61	18.74	18.63	19.90
5	64QAM	25	0	18.91	18.95	18.77	19.90
5	256QAM	1	0	16.70	16.90	16.73	17.90
5	256QAM	1	12	16.56	16.68	16.69	17.90
5	256QAM	1	24	16.65	16.72	16.59	17.90
5	256QAM	12	0	16.58	16.71	16.64	17.90
5	256QAM	12	7	16.67	16.71	16.52	17.90
5	256QAM	12	13	16.81	16.95	16.84	17.90
5	256QAM	25	0	16.70	16.82	16.60	17.90
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.87	21.96	21.87	22.90
3	QPSK	1	8	21.66	21.86	21.63	22.90
3	QPSK	1	14	21.43	21.66	21.53	22.90
3	QPSK	8	0	20.85	20.97	20.85	21.90
3	QPSK	8	4	20.72	20.67	20.51	21.90
3	QPSK	8	7	20.64	20.77	20.79	21.90
3	QPSK	15	0	20.81	20.81	20.73	21.90
3	16QAM	1	0	20.70	20.64	20.58	21.90
3	16QAM	1	8	20.77	20.76	20.75	21.90
3	16QAM	1	14	20.67	20.74	20.54	21.90
3	16QAM	8	0	19.71	19.85	19.76	20.90
3	16QAM	8	4	19.86	19.84	19.65	20.90
3	16QAM	8	7	19.64	19.77	19.64	20.90
3	16QAM	15	0	19.81	19.79	19.83	20.90
3	64QAM	1	0	19.66	19.70	19.68	20.90
3	64QAM	1	8	19.77	19.78	19.67	20.90
3	64QAM	1	14	19.76	19.88	19.76	20.90
3	64QAM	8	0	18.72	18.73	18.56	19.90
3	64QAM	8	4	18.70	18.82	18.77	19.90
3	64QAM	8	7	18.58	18.70	18.67	19.90
3	64QAM	15	0	18.79	18.89	18.66	19.90
3	256QAM	1	0	16.74	16.85	16.79	17.90
3	256QAM	1	8	16.61	16.69	16.57	17.90
3	256QAM	1	14	16.73	16.76	16.58	17.90
3	256QAM	8	0	16.63	16.71	16.53	17.90
3	256QAM	8	4	16.69	16.72	16.61	17.90
3	256QAM	8	7	16.89	16.90	16.77	17.90
3	256QAM	15	0	16.67	16.72	16.71	17.90
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.86	21.95	21.84	22.90
1.4	QPSK	1	3	21.72	21.84	21.71	22.90
1.4	QPSK	1	5	21.40	21.63	21.43	22.90
1.4	QPSK	3	0	21.83	21.98	21.85	22.90
1.4	QPSK	3	1	21.71	21.72	21.56	22.90
1.4	QPSK	3	3	21.72	21.78	21.77	22.90
1.4	QPSK	6	0	20.74	20.77	20.73	21.90
1.4	16QAM	1	0	20.58	20.67	20.66	21.90
1.4	16QAM	1	3	20.79	20.84	20.77	21.90
1.4	16QAM	1	5	20.74	20.75	20.66	21.90
1.4	16QAM	3	0	20.67	20.76	20.70	21.90
1.4	16QAM	3	1	20.77	20.92	20.76	21.90
1.4	16QAM	3	3	20.57	20.74	20.69	21.90
1.4	16QAM	6	0	19.69	19.83	19.75	20.90
1.4	64QAM	1	0	19.63	19.67	19.60	20.90
1.4	64QAM	1	3	19.69	19.87	19.69	20.90
1.4	64QAM	1	5	19.79	19.90	19.79	20.90
1.4	64QAM	3	0	19.74	19.68	19.63	20.90
1.4	64QAM	3	1	19.74	19.77	19.69	20.90
1.4	64QAM	3	3	19.56	19.69	19.63	20.90
1.4	64QAM	6	0	18.78	18.90	18.68	19.90
1.4	256QAM	1	0	16.80	16.93	16.67	17.90
1.4	256QAM	1	3	16.51	16.66	16.57	17.90
1.4	256QAM	1	5	16.64	16.81	16.65	17.90
1.4	256QAM	3	0	16.66	16.75	16.65	17.90
1.4	256QAM	3	1	16.64	16.66	16.55	17.90
1.4	256QAM	3	3	16.80	16.89	16.87	17.90
1.4	256QAM	6	0	16.73	16.73	16.67	17.90

【LTE Band 2_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.92	20.94	20.90	21.80
20	QPSK	1	49	20.66	20.72	20.55	21.80
20	QPSK	1	99	20.71	20.82	20.68	21.80
20	QPSK	50	0	20.77	20.80	20.76	21.80
20	QPSK	50	24	20.54	20.64	20.50	21.80
20	QPSK	50	50	20.72	20.78	20.73	21.80
20	QPSK	100	0	20.75	20.76	20.72	21.80
20	16QAM	1	0	20.65	20.75	20.70	21.80
20	16QAM	1	49	20.71	20.84	20.68	21.80
20	16QAM	1	99	20.66	20.79	20.62	21.80
20	16QAM	50	0	19.73	19.78	19.61	20.80
20	16QAM	50	24	19.52	19.67	19.56	20.80
20	16QAM	50	50	19.61	19.66	19.60	20.80
20	16QAM	100	0	19.72	19.81	19.71	20.80
20	64QAM	1	0	19.67	19.83	19.77	20.80
20	64QAM	1	49	19.71	19.77	19.64	20.80
20	64QAM	1	99	19.64	19.79	19.69	20.80
20	64QAM	50	0	18.68	18.73	18.57	19.80
20	64QAM	50	24	18.62	18.75	18.62	19.80
20	64QAM	50	50	18.71	18.82	18.69	19.80
20	64QAM	100	0	18.66	18.80	18.62	19.80
20	256QAM	1	0	16.58	16.70	16.63	17.80
20	256QAM	1	49	16.73	16.84	16.76	17.80
20	256QAM	1	99	16.62	16.76	16.65	17.80
20	256QAM	50	0	16.70	16.84	16.66	17.80
20	256QAM	50	24	16.62	16.67	16.59	17.80
20	256QAM	50	50	16.58	16.64	16.49	17.80
20	256QAM	100	0	16.62	16.75	16.69	17.80
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.83	20.85	20.87	21.80
15	QPSK	1	37	20.53	20.67	20.52	21.80
15	QPSK	1	74	20.63	20.77	20.53	21.80
15	QPSK	36	0	20.63	20.67	20.71	21.80
15	QPSK	36	20	20.47	20.63	20.44	21.80
15	QPSK	36	39	20.63	20.63	20.61	21.80
15	QPSK	75	0	20.63	20.71	20.70	21.80



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	20.64	20.72	20.69	21.80
15	16QAM	1	37	20.59	20.71	20.54	21.80
15	16QAM	1	74	20.58	20.75	20.50	21.80
15	16QAM	36	0	19.70	19.73	19.55	20.80
15	16QAM	36	20	19.40	19.63	19.48	20.80
15	16QAM	36	39	19.47	19.59	19.57	20.80
15	16QAM	75	0	19.57	19.69	19.59	20.80
15	64QAM	1	0	19.61	19.69	19.68	20.80
15	64QAM	1	37	19.64	19.64	19.59	20.80
15	64QAM	1	74	19.50	19.74	19.65	20.80
15	64QAM	36	0	18.61	18.69	18.55	19.80
15	64QAM	36	20	18.54	18.68	18.56	19.80
15	64QAM	36	39	18.69	18.67	18.60	19.80
15	64QAM	75	0	18.54	18.71	18.53	19.80
15	256QAM	1	0	16.51	16.57	16.57	17.80
15	256QAM	1	37	16.58	16.70	16.67	17.80
15	256QAM	1	74	16.60	16.62	16.60	17.80
15	256QAM	36	0	16.60	16.69	16.62	17.80
15	256QAM	36	20	16.52	16.55	16.54	17.80
15	256QAM	36	39	16.51	16.54	16.34	17.80
15	256QAM	75	0	16.58	16.66	16.67	17.80
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.83	20.87	20.76	21.80
10	QPSK	1	25	20.59	20.58	20.44	21.80
10	QPSK	1	49	20.67	20.68	20.67	21.80
10	QPSK	25	0	20.69	20.67	20.71	21.80
10	QPSK	25	12	20.53	20.50	20.49	21.80
10	QPSK	25	25	20.65	20.65	20.63	21.80
10	QPSK	50	0	20.62	20.63	20.66	21.80
10	16QAM	1	0	20.52	20.72	20.64	21.80
10	16QAM	1	25	20.60	20.78	20.61	21.80
10	16QAM	1	49	20.62	20.77	20.61	21.80
10	16QAM	25	0	19.59	19.65	19.58	20.80
10	16QAM	25	12	19.49	19.64	19.52	20.80
10	16QAM	25	25	19.49	19.59	19.53	20.80
10	16QAM	50	0	19.57	19.75	19.56	20.80
10	64QAM	1	0	19.61	19.80	19.63	20.80
10	64QAM	1	25	19.57	19.73	19.54	20.80
10	64QAM	1	49	19.51	19.75	19.58	20.80
10	64QAM	25	0	18.59	18.59	18.49	19.80
10	64QAM	25	12	18.55	18.72	18.53	19.80
10	64QAM	25	25	18.66	18.71	18.64	19.80
10	64QAM	50	0	18.57	18.71	18.56	19.80
10	256QAM	1	0	16.57	16.56	16.50	17.80
10	256QAM	1	25	16.65	16.72	16.64	17.80
10	256QAM	1	49	16.51	16.67	16.53	17.80
10	256QAM	25	0	16.61	16.73	16.60	17.80
10	256QAM	25	12	16.56	16.61	16.51	17.80
10	256QAM	25	25	16.49	16.52	16.44	17.80
10	256QAM	50	0	16.57	16.74	16.65	17.80
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.90	20.90	20.75	21.80
5	QPSK	1	12	20.57	20.60	20.43	21.80
5	QPSK	1	24	20.61	20.80	20.58	21.80
5	QPSK	12	0	20.65	20.71	20.63	21.80
5	QPSK	12	7	20.45	20.53	20.46	21.80
5	QPSK	12	13	20.66	20.72	20.71	21.80
5	QPSK	25	0	20.63	20.67	20.69	21.80
5	16QAM	1	0	20.55	20.65	20.61	21.80
5	16QAM	1	12	20.57	20.71	20.59	21.80
5	16QAM	1	24	20.53	20.68	20.52	21.80
5	16QAM	12	0	19.68	19.65	19.52	20.80
5	16QAM	12	7	19.41	19.56	19.54	20.80
5	16QAM	12	13	19.50	19.62	19.58	20.80
5	16QAM	25	0	19.71	19.70	19.65	20.80
5	64QAM	1	0	19.58	19.77	19.66	20.80
5	64QAM	1	12	19.64	19.67	19.58	20.80
5	64QAM	1	24	19.57	19.66	19.62	20.80
5	64QAM	12	0	18.54	18.71	18.54	19.80
5	64QAM	12	7	18.49	18.65	18.48	19.80
5	64QAM	12	13	18.61	18.75	18.62	19.80
5	64QAM	25	0	18.51	18.77	18.50	19.80
5	256QAM	1	0	16.53	16.55	16.60	17.80
5	256QAM	1	12	16.66	16.76	16.61	17.80
5	256QAM	1	24	16.53	16.74	16.60	17.80
5	256QAM	12	0	16.65	16.72	16.64	17.80



5	256QAM	12	7	16.55	16.60	16.57	17.80
5	256QAM	12	13	16.48	16.54	16.40	17.80
5	256QAM	25	0	16.55	16.62	16.63	17.80
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.86	20.86	20.76	21.80
3	QPSK	1	8	20.55	20.62	20.44	21.80
3	QPSK	1	14	20.68	20.77	20.62	21.80
3	QPSK	8	0	20.74	20.72	20.70	21.80
3	QPSK	8	4	20.43	20.56	20.38	21.80
3	QPSK	8	7	20.61	20.75	20.66	21.80
3	QPSK	15	0	20.66	20.63	20.68	21.80
3	16QAM	1	0	20.59	20.64	20.58	21.80
3	16QAM	1	8	20.57	20.81	20.63	21.80
3	16QAM	1	14	20.57	20.68	20.53	21.80
3	16QAM	8	0	19.67	19.75	19.58	20.80
3	16QAM	8	4	19.45	19.61	19.50	20.80
3	16QAM	8	7	19.52	19.62	19.56	20.80
3	16QAM	15	0	19.65	19.66	19.68	20.80
3	64QAM	1	0	19.60	19.71	19.63	20.80
3	64QAM	1	8	19.66	19.70	19.60	20.80
3	64QAM	1	14	19.51	19.66	19.58	20.80
3	64QAM	8	0	18.55	18.61	18.54	19.80
3	64QAM	8	4	18.61	18.67	18.59	19.80
3	64QAM	8	7	18.67	18.75	18.54	19.80
3	64QAM	15	0	18.52	18.70	18.55	19.80
3	256QAM	1	0	16.53	16.65	16.52	17.80
3	256QAM	1	8	16.71	16.72	16.72	17.80
3	256QAM	1	14	16.55	16.66	16.59	17.80
3	256QAM	8	0	16.58	16.80	16.55	17.80
3	256QAM	8	4	16.57	16.60	16.55	17.80
3	256QAM	8	7	16.53	16.63	16.45	17.80
3	256QAM	15	0	16.59	16.62	16.61	17.80
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.83	20.88	20.80	21.80
1.4	QPSK	1	3	20.54	20.67	20.50	21.80
1.4	QPSK	1	5	20.61	20.77	20.58	21.80
1.4	QPSK	3	0	21.64	21.72	21.62	21.80
1.4	QPSK	3	1	21.42	21.56	21.46	21.80
1.4	QPSK	3	3	21.57	21.66	21.59	21.80
1.4	QPSK	6	0	20.61	20.73	20.57	21.80
1.4	16QAM	1	0	20.59	20.67	20.68	21.80
1.4	16QAM	1	3	20.56	20.75	20.55	21.80
1.4	16QAM	1	5	20.62	20.77	20.57	21.80
1.4	16QAM	3	0	20.65	20.65	20.52	21.80
1.4	16QAM	3	1	20.49	20.63	20.48	21.80
1.4	16QAM	3	3	20.47	20.64	20.50	21.80
1.4	16QAM	6	0	19.61	19.70	19.64	20.80
1.4	64QAM	1	0	19.54	19.71	19.68	20.80
1.4	64QAM	1	3	19.62	19.69	19.52	20.80
1.4	64QAM	1	5	19.52	19.77	19.66	20.80
1.4	64QAM	3	0	19.59	19.62	19.53	20.80
1.4	64QAM	3	1	19.48	19.62	19.48	20.80
1.4	64QAM	3	3	19.61	19.71	19.64	20.80
1.4	64QAM	6	0	18.59	18.65	18.59	19.80
1.4	256QAM	1	0	16.46	16.60	16.48	17.80
1.4	256QAM	1	3	16.66	16.77	16.69	17.80
1.4	256QAM	1	5	16.48	16.63	16.64	17.80
1.4	256QAM	3	0	16.60	16.72	16.57	17.80
1.4	256QAM	3	1	16.53	16.58	16.54	17.80
1.4	256QAM	3	3	16.54	16.58	16.46	17.80
1.4	256QAM	6	0	16.57	16.61	16.55	17.80

【LTE Band 2_Ant 0_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.78	15.85	15.83	17.50
20	QPSK	1	49	15.70	15.81	15.75	17.50
20	QPSK	1	99	15.70	15.67	15.67	17.50
20	QPSK	50	0	15.71	15.84	15.72	17.50
20	QPSK	50	24	15.73	15.66	15.69	17.50
20	QPSK	50	50	15.74	15.71	15.75	17.50
20	QPSK	100	0	15.73	15.79	15.73	17.50
20	16QAM	1	0	15.68	15.73	15.61	17.50
20	16QAM	1	49	15.79	15.74	15.76	17.50
20	16QAM	1	99	15.69	15.74	15.75	17.50
20	16QAM	50	0	15.76	15.74	15.68	17.50
20	16QAM	50	24	15.70	15.74	15.81	17.50
20	16QAM	50	50	15.70	15.78	15.70	17.50
20	16QAM	100	0	15.72	15.74	15.62	17.50
20	64QAM	1	0	15.65	15.71	15.68	17.50
20	64QAM	1	49	15.72	15.76	15.81	17.50
20	64QAM	1	99	15.75	15.71	15.78	17.50
20	64QAM	50	0	15.76	15.79	15.69	17.50
20	64QAM	50	24	15.69	15.69	15.68	17.50
20	64QAM	50	50	15.71	15.81	15.76	17.50
20	64QAM	100	0	15.68	15.66	15.65	17.50
20	256QAM	1	0	15.69	15.72	15.61	17.50
20	256QAM	1	49	15.64	15.72	15.69	17.50
20	256QAM	1	99	15.72	15.74	15.66	17.50
20	256QAM	50	0	15.63	15.72	15.74	17.50
20	256QAM	50	24	15.77	15.74	15.63	17.50
20	256QAM	50	50	15.77	15.70	15.71	17.50
20	256QAM	100	0	15.78	15.69	15.75	17.50
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.65	15.73	15.82	17.50
15	QPSK	1	37	15.67	15.69	15.70	17.50
15	QPSK	1	74	15.64	15.55	15.53	17.50
15	QPSK	36	0	15.70	15.73	15.58	17.50
15	QPSK	36	20	15.63	15.52	15.61	17.50
15	QPSK	36	39	15.67	15.70	15.63	17.50
15	QPSK	75	0	15.64	15.75	15.61	17.50
15	16QAM	1	0	15.56	15.59	15.59	17.50
15	16QAM	1	37	15.77	15.68	15.75	17.50
15	16QAM	1	74	15.55	15.63	15.68	17.50
15	16QAM	36	0	15.75	15.68	15.61	17.50
15	16QAM	36	20	15.64	15.67	15.69	17.50
15	16QAM	36	39	15.57	15.75	15.60	17.50
15	16QAM	75	0	15.59	15.60	15.53	17.50
15	64QAM	1	0	15.54	15.57	15.56	17.50
15	64QAM	1	37	15.65	15.65	15.78	17.50
15	64QAM	1	74	15.64	15.58	15.65	17.50
15	64QAM	36	0	15.75	15.68	15.60	17.50
15	64QAM	36	20	15.54	15.57	15.61	17.50
15	64QAM	36	39	15.58	15.69	15.64	17.50
15	64QAM	75	0	15.58	15.61	15.52	17.50
15	256QAM	1	0	15.57	15.64	15.51	17.50
15	256QAM	1	37	15.60	15.70	15.56	17.50
15	256QAM	1	74	15.66	15.64	15.62	17.50
15	256QAM	36	0	15.51	15.61	15.72	17.50
15	256QAM	36	20	15.71	15.68	15.53	17.50
15	256QAM	36	39	15.70	15.67	15.68	17.50
15	256QAM	75	0	15.73	15.62	15.63	17.50
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.74	15.75	15.75	17.50
10	QPSK	1	25	15.63	15.79	15.64	17.50
10	QPSK	1	49	15.65	15.60	15.63	17.50
10	QPSK	25	0	15.59	15.73	15.70	17.50
10	QPSK	25	12	15.68	15.60	15.54	17.50
10	QPSK	25	25	15.64	15.65	15.67	17.50
10	QPSK	50	0	15.70	15.74	15.71	17.50
10	16QAM	1	0	15.60	15.67	15.55	17.50
10	16QAM	1	25	15.73	15.73	15.74	17.50
10	16QAM	1	49	15.61	15.65	15.72	17.50
10	16QAM	25	0	15.65	15.61	15.57	17.50



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	15.64	15.65	15.72	17.50
10	16QAM	25	25	15.62	15.73	15.63	17.50
10	16QAM	50	0	15.63	15.61	15.60	17.50
10	64QAM	1	0	15.51	15.63	15.53	17.50
10	64QAM	1	25	15.65	15.62	15.75	17.50
10	64QAM	1	49	15.64	15.68	15.77	17.50
10	64QAM	25	0	15.67	15.72	15.56	17.50
10	64QAM	25	12	15.67	15.57	15.59	17.50
10	64QAM	25	25	15.70	15.75	15.72	17.50
10	64QAM	50	0	15.57	15.51	15.64	17.50
10	256QAM	1	0	15.65	15.57	15.59	17.50
10	256QAM	1	25	15.54	15.63	15.60	17.50
10	256QAM	1	49	15.60	15.61	15.56	17.50
10	256QAM	25	0	15.57	15.67	15.71	17.50
10	256QAM	25	12	15.67	15.64	15.51	17.50
10	256QAM	25	25	15.64	15.56	15.62	17.50
10	256QAM	50	0	15.73	15.62	15.68	17.50
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	15.76	15.70	15.71	17.50
5	QPSK	1	12	15.62	15.72	15.70	17.50
5	QPSK	1	24	15.68	15.61	15.54	17.50
5	QPSK	12	0	15.66	15.78	15.58	17.50
5	QPSK	12	7	15.70	15.57	15.62	17.50
5	QPSK	12	13	15.68	15.68	15.63	17.50
5	QPSK	25	0	15.58	15.72	15.62	17.50
5	16QAM	1	0	15.56	15.64	15.50	17.50
5	16QAM	1	12	15.77	15.60	15.74	17.50
5	16QAM	1	24	15.63	15.63	15.71	17.50
5	16QAM	12	0	15.70	15.70	15.60	17.50
5	16QAM	12	7	15.56	15.72	15.71	17.50
5	16QAM	12	13	15.63	15.71	15.67	17.50
5	16QAM	25	0	15.67	15.73	15.51	17.50
5	64QAM	1	0	15.52	15.66	15.66	17.50
5	64QAM	1	12	15.58	15.72	15.78	17.50
5	64QAM	1	24	15.64	15.58	15.75	17.50
5	64QAM	12	0	15.66	15.72	15.63	17.50
5	64QAM	12	7	15.65	15.55	15.64	17.50
5	64QAM	12	13	15.66	15.69	15.72	17.50
5	64QAM	25	0	15.55	15.61	15.52	17.50
5	256QAM	1	0	15.55	15.58	15.60	17.50
5	256QAM	1	12	15.53	15.64	15.56	17.50
5	256QAM	1	24	15.71	15.61	15.61	17.50
5	256QAM	12	0	15.56	15.67	15.67	17.50
5	256QAM	12	7	15.62	15.72	15.51	17.50
5	256QAM	12	13	15.73	15.66	15.70	17.50
5	256QAM	25	0	15.63	15.64	15.72	17.50
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.64	15.73	15.79	17.50
3	QPSK	1	8	15.65	15.70	15.62	17.50
3	QPSK	1	14	15.67	15.54	15.62	17.50
3	QPSK	8	0	15.61	15.69	15.64	17.50
3	QPSK	8	4	15.70	15.62	15.64	17.50
3	QPSK	8	7	15.70	15.58	15.68	17.50
3	QPSK	15	0	15.66	15.78	15.71	17.50
3	16QAM	1	0	15.66	15.66	15.50	17.50
3	16QAM	1	8	15.70	15.64	15.68	17.50
3	16QAM	1	14	15.56	15.63	15.64	17.50
3	16QAM	8	0	15.74	15.67	15.53	17.50
3	16QAM	8	4	15.68	15.61	15.77	17.50
3	16QAM	8	7	15.63	15.72	15.65	17.50
3	16QAM	15	0	15.70	15.73	15.52	17.50
3	64QAM	1	0	15.63	15.65	15.56	17.50
3	64QAM	1	8	15.69	15.62	15.78	17.50
3	64QAM	1	14	15.73	15.66	15.72	17.50
3	64QAM	8	0	15.73	15.65	15.66	17.50
3	64QAM	8	4	15.57	15.61	15.59	17.50
3	64QAM	8	7	15.63	15.76	15.67	17.50
3	64QAM	15	0	15.63	15.55	15.57	17.50
3	256QAM	1	0	15.68	15.61	15.50	17.50
3	256QAM	1	8	15.60	15.60	15.60	17.50
3	256QAM	1	14	15.66	15.72	15.56	17.50
3	256QAM	8	0	15.50	15.59	15.70	17.50
3	256QAM	8	4	15.65	15.59	15.61	17.50
3	256QAM	8	7	15.69	15.60	15.65	17.50
3	256QAM	15	0	15.68	15.63	15.70	17.50
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	15.67	15.80	15.70	17.50
1.4	QPSK	1	3	15.63	15.71	15.65	17.50
1.4	QPSK	1	5	15.61	15.56	15.64	17.50
1.4	QPSK	3	0	15.64	15.78	15.58	17.50
1.4	QPSK	3	1	15.71	15.59	15.66	17.50
1.4	QPSK	3	3	15.68	15.60	15.72	17.50
1.4	QPSK	6	0	15.62	15.75	15.69	17.50
1.4	16QAM	1	0	15.63	15.58	15.51	17.50
1.4	16QAM	1	3	15.67	15.60	15.67	17.50
1.4	16QAM	1	5	15.68	15.71	15.73	17.50
1.4	16QAM	3	0	15.65	15.72	15.65	17.50
1.4	16QAM	3	1	15.61	15.65	15.66	17.50
1.4	16QAM	3	3	15.67	15.73	15.56	17.50
1.4	16QAM	6	0	15.58	15.67	15.52	17.50
1.4	64QAM	1	0	15.64	15.58	15.59	17.50
1.4	64QAM	1	3	15.69	15.75	15.68	17.50
1.4	64QAM	1	5	15.62	15.68	15.75	17.50
1.4	64QAM	3	0	15.68	15.65	15.63	17.50
1.4	64QAM	3	1	15.62	15.66	15.65	17.50
1.4	64QAM	3	3	15.61	15.77	15.75	17.50
1.4	64QAM	6	0	15.58	15.58	15.55	17.50
1.4	256QAM	1	0	15.56	15.60	15.56	17.50
1.4	256QAM	1	3	15.54	15.60	15.56	17.50
1.4	256QAM	1	5	15.62	15.69	15.59	17.50
1.4	256QAM	3	0	15.60	15.60	15.60	17.50
1.4	256QAM	3	1	15.73	15.62	15.58	17.50
1.4	256QAM	3	3	15.66	15.69	15.56	17.50
1.4	256QAM	6	0	15.69	15.61	15.63	17.50

【LTE Band 2_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.75	22.81	22.70	24.00
20	QPSK	1	49	22.32	22.53	22.30	24.00
20	QPSK	1	99	22.32	22.52	22.35	24.00
20	QPSK	50	0	21.80	21.83	21.78	23.00
20	QPSK	50	24	21.46	21.61	21.40	23.00
20	QPSK	50	50	21.64	21.76	21.64	23.00
20	QPSK	100	0	21.55	21.74	21.50	23.00
20	16QAM	1	0	21.51	21.59	21.34	23.00
20	16QAM	1	49	21.59	21.74	21.59	23.00
20	16QAM	1	99	21.63	21.73	21.57	23.00
20	16QAM	50	0	20.50	20.60	20.49	22.00
20	16QAM	50	24	20.64	20.77	20.55	22.00
20	16QAM	50	50	20.50	20.68	20.48	22.00
20	16QAM	100	0	20.65	20.81	20.62	22.00
20	64QAM	1	0	20.60	20.78	20.57	22.00
20	64QAM	1	49	20.49	20.63	20.41	22.00
20	64QAM	1	99	20.67	20.80	20.59	22.00
20	64QAM	50	0	19.48	19.60	19.37	21.00
20	64QAM	50	24	19.71	19.79	19.56	21.00
20	64QAM	50	50	19.63	19.79	19.68	21.00
20	64QAM	100	0	19.65	19.76	19.55	21.00
20	256QAM	1	0	17.49	17.63	17.46	19.00
20	256QAM	1	49	17.59	17.67	17.48	19.00
20	256QAM	1	99	17.63	17.77	17.67	19.00
20	256QAM	50	0	17.56	17.75	17.53	19.00
20	256QAM	50	24	17.61	17.72	17.61	19.00
20	256QAM	50	50	17.58	17.70	17.59	19.00
20	256QAM	100	0	17.58	17.69	17.48	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.74	22.71	22.65	24.00
15	QPSK	1	37	22.21	22.47	22.24	24.00
15	QPSK	1	74	22.18	22.51	22.25	24.00
15	QPSK	36	0	21.68	21.71	21.71	23.00
15	QPSK	36	20	21.37	21.53	21.36	23.00
15	QPSK	36	39	21.57	21.65	21.49	23.00
15	QPSK	75	0	21.49	21.70	21.38	23.00



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	21.38	21.55	21.26	23.00
15	16QAM	1	37	21.46	21.64	21.50	23.00
15	16QAM	1	74	21.53	21.62	21.47	23.00
15	16QAM	36	0	20.45	20.56	20.38	22.00
15	16QAM	36	20	20.55	20.64	20.52	22.00
15	16QAM	36	39	20.38	20.60	20.37	22.00
15	16QAM	75	0	20.62	20.68	20.59	22.00
15	64QAM	1	0	20.51	20.77	20.46	22.00
15	64QAM	1	37	20.42	20.49	20.36	22.00
15	64QAM	1	74	20.58	20.76	20.57	22.00
15	64QAM	36	0	19.41	19.52	19.32	21.00
15	64QAM	36	20	19.58	19.73	19.45	21.00
15	64QAM	36	39	19.62	19.77	19.66	21.00
15	64QAM	75	0	19.60	19.65	19.47	21.00
15	256QAM	1	0	17.35	17.51	17.44	19.00
15	256QAM	1	37	17.58	17.62	17.38	19.00
15	256QAM	1	74	17.48	17.71	17.61	19.00
15	256QAM	36	0	17.43	17.61	17.43	19.00
15	256QAM	36	20	17.50	17.66	17.59	19.00
15	256QAM	36	39	17.45	17.67	17.48	19.00
15	256QAM	75	0	17.48	17.55	17.35	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	22.69	22.66	22.66	24.00
10	QPSK	1	25	22.18	22.50	22.18	24.00
10	QPSK	1	49	22.30	22.48	22.31	24.00
10	QPSK	25	0	21.74	21.72	21.73	23.00
10	QPSK	25	12	21.42	21.57	21.28	23.00
10	QPSK	25	25	21.52	21.67	21.63	23.00
10	QPSK	50	0	21.40	21.72	21.44	23.00
10	16QAM	1	0	21.39	21.52	21.25	23.00
10	16QAM	1	25	21.53	21.61	21.49	23.00
10	16QAM	1	49	21.49	21.61	21.54	23.00
10	16QAM	25	0	20.42	20.56	20.46	22.00
10	16QAM	25	12	20.60	20.71	20.53	22.00
10	16QAM	25	25	20.43	20.65	20.45	22.00
10	16QAM	50	0	20.54	20.74	20.53	22.00
10	64QAM	1	0	20.49	20.72	20.49	22.00
10	64QAM	1	25	20.44	20.54	20.29	22.00
10	64QAM	1	49	20.64	20.69	20.55	22.00
10	64QAM	25	0	19.40	19.50	19.33	21.00
10	64QAM	25	12	19.60	19.74	19.48	21.00
10	64QAM	25	25	19.57	19.67	19.58	21.00
10	64QAM	50	0	19.54	19.68	19.51	21.00
10	256QAM	1	0	17.39	17.57	17.31	19.00
10	256QAM	1	25	17.50	17.55	17.35	19.00
10	256QAM	1	49	17.51	17.74	17.60	19.00
10	256QAM	25	0	17.53	17.71	17.44	19.00
10	256QAM	25	12	17.50	17.65	17.48	19.00
10	256QAM	25	25	17.51	17.63	17.52	19.00
10	256QAM	50	0	17.56	17.59	17.40	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.71	22.74	22.62	24.00
5	QPSK	1	12	22.30	22.40	22.29	24.00
5	QPSK	1	24	22.23	22.45	22.29	24.00
5	QPSK	12	0	21.65	21.73	21.70	23.00
5	QPSK	12	7	21.39	21.55	21.27	23.00
5	QPSK	12	13	21.57	21.68	21.50	23.00
5	QPSK	25	0	21.45	21.60	21.40	23.00
5	16QAM	1	0	21.40	21.49	21.21	23.00
5	16QAM	1	12	21.54	21.71	21.48	23.00
5	16QAM	1	24	21.58	21.64	21.51	23.00
5	16QAM	12	0	20.37	20.55	20.41	22.00
5	16QAM	12	7	20.54	20.73	20.45	22.00
5	16QAM	12	13	20.36	20.53	20.34	22.00
5	16QAM	25	0	20.52	20.68	20.52	22.00
5	64QAM	1	0	20.58	20.65	20.53	22.00
5	64QAM	1	12	20.36	20.60	20.38	22.00
5	64QAM	1	24	20.56	20.66	20.46	22.00
5	64QAM	12	0	19.41	19.50	19.30	21.00
5	64QAM	12	7	19.69	19.64	19.42	21.00
5	64QAM	12	13	19.59	19.71	19.67	21.00
5	64QAM	25	0	19.58	19.74	19.47	21.00
5	256QAM	1	0	17.35	17.57	17.40	19.00
5	256QAM	1	12	17.51	17.57	17.37	19.00
5	256QAM	1	24	17.53	17.69	17.64	19.00
5	256QAM	12	0	17.51	17.61	17.49	19.00



5	256QAM	12	7	17.49	17.64	17.56	19.00
5	256QAM	12	13	17.56	17.66	17.44	19.00
5	256QAM	25	0	17.55	17.64	17.41	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.65	22.76	22.55	24.00
3	QPSK	1	8	22.31	22.41	22.22	24.00
3	QPSK	1	14	22.18	22.40	22.26	24.00
3	QPSK	8	0	21.77	21.70	21.70	23.00
3	QPSK	8	4	21.44	21.55	21.33	23.00
3	QPSK	8	7	21.56	21.66	21.49	23.00
3	QPSK	15	0	21.49	21.72	21.42	23.00
3	16QAM	1	0	21.49	21.58	21.19	23.00
3	16QAM	1	8	21.58	21.61	21.56	23.00
3	16QAM	1	14	21.61	21.71	21.44	23.00
3	16QAM	8	0	20.36	20.49	20.48	22.00
3	16QAM	8	4	20.51	20.67	20.43	22.00
3	16QAM	8	7	20.43	20.53	20.43	22.00
3	16QAM	15	0	20.52	20.79	20.53	22.00
3	64QAM	1	0	20.46	20.64	20.54	22.00
3	64QAM	1	8	20.39	20.60	20.27	22.00
3	64QAM	1	14	20.61	20.74	20.52	22.00
3	64QAM	8	0	19.40	19.59	19.30	21.00
3	64QAM	8	4	19.56	19.67	19.54	21.00
3	64QAM	8	7	19.52	19.75	19.62	21.00
3	64QAM	15	0	19.52	19.71	19.44	21.00
3	256QAM	1	0	17.42	17.54	17.45	19.00
3	256QAM	1	8	17.50	17.56	17.46	19.00
3	256QAM	1	14	17.61	17.71	17.63	19.00
3	256QAM	8	0	17.54	17.65	17.38	19.00
3	256QAM	8	4	17.58	17.60	17.51	19.00
3	256QAM	8	7	17.44	17.61	17.49	19.00
3	256QAM	15	0	17.53	17.58	17.36	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.68	22.74	22.57	24.00
1.4	QPSK	1	3	22.18	22.44	22.25	24.00
1.4	QPSK	1	5	22.21	22.38	22.31	24.00
1.4	QPSK	3	0	22.65	22.75	22.72	24.00
1.4	QPSK	3	1	22.43	22.58	22.31	24.00
1.4	QPSK	3	3	22.52	22.71	22.56	24.00
1.4	QPSK	6	0	21.53	21.62	21.44	23.00
1.4	16QAM	1	0	21.38	21.45	21.23	23.00
1.4	16QAM	1	3	21.52	21.61	21.51	23.00
1.4	16QAM	1	5	21.59	21.66	21.54	23.00
1.4	16QAM	3	0	21.45	21.55	21.35	23.00
1.4	16QAM	3	1	21.51	21.67	21.41	23.00
1.4	16QAM	3	3	21.44	21.63	21.33	23.00
1.4	16QAM	6	0	20.61	20.73	20.52	22.00
1.4	64QAM	1	0	20.46	20.74	20.44	22.00
1.4	64QAM	1	3	20.42	20.53	20.36	22.00
1.4	64QAM	1	5	20.55	20.65	20.49	22.00
1.4	64QAM	3	0	20.39	20.48	20.23	22.00
1.4	64QAM	3	1	20.66	20.72	20.51	22.00
1.4	64QAM	3	3	20.53	20.68	20.58	22.00
1.4	64QAM	6	0	19.57	19.68	19.51	21.00
1.4	256QAM	1	0	17.42	17.55	17.31	19.00
1.4	256QAM	1	3	17.56	17.57	17.42	19.00
1.4	256QAM	1	5	17.62	17.65	17.60	19.00
1.4	256QAM	3	0	17.43	17.71	17.46	19.00
1.4	256QAM	3	1	17.59	17.63	17.46	19.00
1.4	256QAM	3	3	17.57	17.56	17.56	19.00
1.4	256QAM	6	0	17.57	17.59	17.46	19.00



【LTE Band 2_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.75	22.81	22.70	24.00
20	QPSK	1	49	22.32	22.53	22.30	24.00
20	QPSK	1	99	22.32	22.52	22.35	24.00
20	QPSK	50	0	21.80	21.83	21.78	23.00
20	QPSK	50	24	21.46	21.61	21.40	23.00
20	QPSK	50	50	21.64	21.76	21.64	23.00
20	QPSK	100	0	21.55	21.74	21.50	23.00
20	16QAM	1	0	21.51	21.59	21.34	23.00
20	16QAM	1	49	21.59	21.74	21.59	23.00
20	16QAM	1	99	21.63	21.73	21.57	23.00
20	16QAM	50	0	20.50	20.60	20.49	22.00
20	16QAM	50	24	20.64	20.77	20.55	22.00
20	16QAM	50	50	20.50	20.68	20.48	22.00
20	16QAM	100	0	20.65	20.81	20.62	22.00
20	64QAM	1	0	20.60	20.78	20.57	22.00
20	64QAM	1	49	20.49	20.63	20.41	22.00
20	64QAM	1	99	20.67	20.80	20.59	22.00
20	64QAM	50	0	19.48	19.60	19.37	21.00
20	64QAM	50	24	19.71	19.79	19.56	21.00
20	64QAM	50	50	19.63	19.79	19.68	21.00
20	64QAM	100	0	19.65	19.76	19.55	21.00
20	256QAM	1	0	17.49	17.63	17.46	19.00
20	256QAM	1	49	17.59	17.67	17.48	19.00
20	256QAM	1	99	17.63	17.77	17.67	19.00
20	256QAM	50	0	17.56	17.75	17.53	19.00
20	256QAM	50	24	17.61	17.72	17.61	19.00
20	256QAM	50	50	17.58	17.70	17.59	19.00
20	256QAM	100	0	17.58	17.69	17.48	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.74	22.71	22.65	24.00
15	QPSK	1	37	22.21	22.47	22.24	24.00
15	QPSK	1	74	22.18	22.51	22.25	24.00
15	QPSK	36	0	21.68	21.71	21.71	23.00
15	QPSK	36	20	21.37	21.53	21.36	23.00
15	QPSK	36	39	21.57	21.65	21.49	23.00
15	QPSK	75	0	21.49	21.70	21.38	23.00
15	16QAM	1	0	21.38	21.55	21.26	23.00
15	16QAM	1	37	21.46	21.64	21.50	23.00
15	16QAM	1	74	21.53	21.62	21.47	23.00
15	16QAM	36	0	20.45	20.56	20.38	22.00
15	16QAM	36	20	20.55	20.64	20.52	22.00
15	16QAM	36	39	20.38	20.60	20.37	22.00
15	16QAM	75	0	20.62	20.68	20.59	22.00
15	64QAM	1	0	20.51	20.77	20.46	22.00
15	64QAM	1	37	20.42	20.49	20.36	22.00
15	64QAM	1	74	20.58	20.76	20.57	22.00
15	64QAM	36	0	19.41	19.52	19.32	21.00
15	64QAM	36	20	19.58	19.73	19.45	21.00
15	64QAM	36	39	19.62	19.77	19.66	21.00
15	64QAM	75	0	19.60	19.65	19.47	21.00
15	256QAM	1	0	17.35	17.51	17.44	19.00
15	256QAM	1	37	17.58	17.62	17.38	19.00
15	256QAM	1	74	17.48	17.71	17.61	19.00
15	256QAM	36	0	17.43	17.61	17.43	19.00
15	256QAM	36	20	17.50	17.66	17.59	19.00
15	256QAM	36	39	17.45	17.67	17.48	19.00
15	256QAM	75	0	17.48	17.55	17.35	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.69	22.66	22.66	24.00
10	QPSK	1	25	22.18	22.50	22.18	24.00
10	QPSK	1	49	22.30	22.48	22.31	24.00
10	QPSK	25	0	21.74	21.72	21.73	23.00
10	QPSK	25	12	21.42	21.57	21.28	23.00
10	QPSK	25	25	21.52	21.67	21.63	23.00
10	QPSK	50	0	21.40	21.72	21.44	23.00
10	16QAM	1	0	21.39	21.52	21.25	23.00
10	16QAM	1	25	21.53	21.61	21.49	23.00
10	16QAM	1	49	21.49	21.61	21.54	23.00
10	16QAM	25	0	20.42	20.56	20.46	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	20.60	20.71	20.53	22.00
10	16QAM	25	25	20.43	20.65	20.45	22.00
10	16QAM	50	0	20.54	20.74	20.53	22.00
10	64QAM	1	0	20.49	20.72	20.49	22.00
10	64QAM	1	25	20.44	20.54	20.29	22.00
10	64QAM	1	49	20.64	20.69	20.55	22.00
10	64QAM	25	0	19.40	19.50	19.33	21.00
10	64QAM	25	12	19.60	19.74	19.48	21.00
10	64QAM	25	25	19.57	19.67	19.58	21.00
10	64QAM	50	0	19.54	19.68	19.51	21.00
10	256QAM	1	0	17.39	17.57	17.31	19.00
10	256QAM	1	25	17.50	17.55	17.35	19.00
10	256QAM	1	49	17.51	17.74	17.60	19.00
10	256QAM	25	0	17.53	17.71	17.44	19.00
10	256QAM	25	12	17.50	17.65	17.48	19.00
10	256QAM	25	25	17.51	17.63	17.52	19.00
10	256QAM	50	0	17.56	17.59	17.40	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.71	22.74	22.62	24.00
5	QPSK	1	12	22.30	22.40	22.29	24.00
5	QPSK	1	24	22.23	22.45	22.29	24.00
5	QPSK	12	0	21.65	21.73	21.70	23.00
5	QPSK	12	7	21.39	21.55	21.27	23.00
5	QPSK	12	13	21.57	21.68	21.50	23.00
5	QPSK	25	0	21.45	21.60	21.40	23.00
5	16QAM	1	0	21.40	21.49	21.21	23.00
5	16QAM	1	12	21.54	21.71	21.48	23.00
5	16QAM	1	24	21.58	21.64	21.51	23.00
5	16QAM	12	0	20.37	20.55	20.41	22.00
5	16QAM	12	7	20.54	20.73	20.45	22.00
5	16QAM	12	13	20.36	20.53	20.34	22.00
5	16QAM	25	0	20.52	20.68	20.52	22.00
5	64QAM	1	0	20.58	20.65	20.53	22.00
5	64QAM	1	12	20.36	20.60	20.38	22.00
5	64QAM	1	24	20.56	20.66	20.46	22.00
5	64QAM	12	0	19.41	19.50	19.30	21.00
5	64QAM	12	7	19.69	19.64	19.42	21.00
5	64QAM	12	13	19.59	19.71	19.67	21.00
5	64QAM	25	0	19.58	19.74	19.47	21.00
5	256QAM	1	0	17.35	17.57	17.40	19.00
5	256QAM	1	12	17.51	17.57	17.37	19.00
5	256QAM	1	24	17.53	17.69	17.64	19.00
5	256QAM	12	0	17.51	17.61	17.49	19.00
5	256QAM	12	7	17.49	17.64	17.56	19.00
5	256QAM	12	13	17.56	17.66	17.44	19.00
5	256QAM	25	0	17.55	17.64	17.41	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.65	22.76	22.55	24.00
3	QPSK	1	8	22.31	22.41	22.22	24.00
3	QPSK	1	14	22.18	22.40	22.26	24.00
3	QPSK	8	0	21.77	21.70	21.70	23.00
3	QPSK	8	4	21.44	21.55	21.33	23.00
3	QPSK	8	7	21.56	21.66	21.49	23.00
3	QPSK	15	0	21.49	21.72	21.42	23.00
3	16QAM	1	0	21.49	21.58	21.19	23.00
3	16QAM	1	8	21.58	21.61	21.56	23.00
3	16QAM	1	14	21.61	21.71	21.44	23.00
3	16QAM	8	0	20.36	20.49	20.48	22.00
3	16QAM	8	4	20.51	20.67	20.43	22.00
3	16QAM	8	7	20.43	20.53	20.43	22.00
3	16QAM	15	0	20.52	20.79	20.53	22.00
3	64QAM	1	0	20.46	20.64	20.54	22.00
3	64QAM	1	8	20.39	20.60	20.27	22.00
3	64QAM	1	14	20.61	20.74	20.52	22.00
3	64QAM	8	0	19.40	19.59	19.30	21.00
3	64QAM	8	4	19.56	19.67	19.54	21.00
3	64QAM	8	7	19.52	19.75	19.62	21.00
3	64QAM	15	0	19.52	19.71	19.44	21.00
3	256QAM	1	0	17.42	17.54	17.45	19.00
3	256QAM	1	8	17.50	17.56	17.46	19.00
3	256QAM	1	14	17.61	17.71	17.63	19.00
3	256QAM	8	0	17.54	17.65	17.38	19.00
3	256QAM	8	4	17.58	17.60	17.51	19.00
3	256QAM	8	7	17.44	17.61	17.49	19.00
3	256QAM	15	0	17.53	17.58	17.36	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.68	22.74	22.57	24.00
1.4	QPSK	1	3	22.18	22.44	22.25	24.00
1.4	QPSK	1	5	22.21	22.38	22.31	24.00
1.4	QPSK	3	0	22.65	22.75	22.72	24.00
1.4	QPSK	3	1	22.43	22.58	22.31	24.00
1.4	QPSK	3	3	22.52	22.71	22.56	24.00
1.4	QPSK	6	0	21.53	21.62	21.44	23.00
1.4	16QAM	1	0	21.38	21.45	21.23	23.00
1.4	16QAM	1	3	21.52	21.61	21.51	23.00
1.4	16QAM	1	5	21.59	21.66	21.54	23.00
1.4	16QAM	3	0	21.45	21.55	21.35	23.00
1.4	16QAM	3	1	21.51	21.67	21.41	23.00
1.4	16QAM	3	3	21.44	21.63	21.33	23.00
1.4	16QAM	6	0	20.61	20.73	20.52	22.00
1.4	64QAM	1	0	20.46	20.74	20.44	22.00
1.4	64QAM	1	3	20.42	20.53	20.36	22.00
1.4	64QAM	1	5	20.55	20.65	20.49	22.00
1.4	64QAM	3	0	20.39	20.48	20.23	22.00
1.4	64QAM	3	1	20.66	20.72	20.51	22.00
1.4	64QAM	3	3	20.53	20.68	20.58	22.00
1.4	64QAM	6	0	19.57	19.68	19.51	21.00
1.4	256QAM	1	0	17.42	17.55	17.31	19.00
1.4	256QAM	1	3	17.56	17.57	17.42	19.00
1.4	256QAM	1	5	17.62	17.65	17.60	19.00
1.4	256QAM	3	0	17.43	17.71	17.46	19.00
1.4	256QAM	3	1	17.59	17.63	17.46	19.00
1.4	256QAM	3	3	17.57	17.56	17.56	19.00
1.4	256QAM	6	0	17.57	17.59	17.46	19.00

【LTE Band 2_Ant 2_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	19.82	19.85	19.80	20.80
20	QPSK	1	49	19.54	19.66	19.58	20.80
20	QPSK	1	99	19.44	19.54	19.39	20.80
20	QPSK	50	0	19.66	19.70	19.65	20.80
20	QPSK	50	24	19.54	19.63	19.45	20.80
20	QPSK	50	50	19.40	19.54	19.37	20.80
20	QPSK	100	0	19.62	19.65	19.64	20.80
20	16QAM	1	0	19.43	19.59	19.42	20.80
20	16QAM	1	49	19.52	19.59	19.41	20.80
20	16QAM	1	99	19.62	19.74	19.59	20.80
20	16QAM	50	0	19.63	19.71	19.58	20.80
20	16QAM	50	24	19.61	19.66	19.59	20.80
20	16QAM	50	50	19.40	19.57	19.42	20.80
20	16QAM	100	0	19.67	19.73	19.60	20.80
20	64QAM	1	0	19.47	19.64	19.53	20.80
20	64QAM	1	49	19.59	19.70	19.57	20.80
20	64QAM	1	99	19.48	19.60	19.51	20.80
20	64QAM	50	0	19.59	19.63	19.51	20.80
20	64QAM	50	24	19.67	19.75	19.66	20.80
20	64QAM	50	50	19.68	19.73	19.62	20.80
20	64QAM	100	0	19.43	19.55	19.45	20.80
20	256QAM	1	0	17.45	17.55	17.36	19.00
20	256QAM	1	49	17.56	17.68	17.50	19.00
20	256QAM	1	99	17.61	17.68	17.52	19.00
20	256QAM	50	0	17.48	17.64	17.48	19.00
20	256QAM	50	24	17.43	17.54	17.47	19.00
20	256QAM	50	50	17.62	17.77	17.70	19.00
20	256QAM	100	0	17.52	17.56	17.50	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.79	19.80	19.68	20.80
15	QPSK	1	37	19.52	19.53	19.49	20.80
15	QPSK	1	74	19.30	19.52	19.38	20.80
15	QPSK	36	0	19.56	19.68	19.53	20.80
15	QPSK	36	20	19.41	19.55	19.39	20.80
15	QPSK	36	39	19.31	19.42	19.31	20.80
15	QPSK	75	0	19.53	19.62	19.51	20.80



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	19.35	19.47	19.29	20.80
15	16QAM	1	37	19.40	19.45	19.31	20.80
15	16QAM	1	74	19.59	19.68	19.51	20.80
15	16QAM	36	0	19.52	19.64	19.54	20.80
15	16QAM	36	20	19.48	19.63	19.52	20.80
15	16QAM	36	39	19.33	19.53	19.39	20.80
15	16QAM	75	0	19.57	19.70	19.47	20.80
15	64QAM	1	0	19.40	19.60	19.45	20.80
15	64QAM	1	37	19.58	19.68	19.53	20.80
15	64QAM	1	74	19.40	19.48	19.43	20.80
15	64QAM	36	0	19.46	19.52	19.36	20.80
15	64QAM	36	20	19.58	19.61	19.59	20.80
15	64QAM	36	39	19.61	19.63	19.49	20.80
15	64QAM	75	0	19.32	19.42	19.31	20.80
15	256QAM	1	0	17.33	17.53	17.28	19.00
15	256QAM	1	37	17.53	17.58	17.40	19.00
15	256QAM	1	74	17.47	17.63	17.48	19.00
15	256QAM	36	0	17.44	17.54	17.42	19.00
15	256QAM	36	20	17.33	17.44	17.37	19.00
15	256QAM	36	39	17.51	17.67	17.58	19.00
15	256QAM	75	0	17.38	17.41	17.47	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	19.76	19.77	19.78	20.80
10	QPSK	1	25	19.47	19.63	19.56	20.80
10	QPSK	1	49	19.39	19.42	19.27	20.80
10	QPSK	25	0	19.57	19.57	19.61	20.80
10	QPSK	25	12	19.52	19.61	19.38	20.80
10	QPSK	25	25	19.38	19.48	19.25	20.80
10	QPSK	50	0	19.58	19.55	19.51	20.80
10	16QAM	1	0	19.41	19.52	19.32	20.80
10	16QAM	1	25	19.41	19.55	19.32	20.80
10	16QAM	1	49	19.56	19.61	19.58	20.80
10	16QAM	25	0	19.51	19.56	19.45	20.80
10	16QAM	25	12	19.60	19.59	19.56	20.80
10	16QAM	25	25	19.25	19.49	19.41	20.80
10	16QAM	50	0	19.61	19.59	19.56	20.80
10	64QAM	1	0	19.36	19.60	19.43	20.80
10	64QAM	1	25	19.56	19.67	19.56	20.80
10	64QAM	1	49	19.38	19.46	19.47	20.80
10	64QAM	25	0	19.48	19.57	19.38	20.80
10	64QAM	25	12	19.56	19.64	19.62	20.80
10	64QAM	25	25	19.67	19.62	19.52	20.80
10	64QAM	50	0	19.32	19.52	19.38	20.80
10	256QAM	1	0	17.36	17.49	17.24	19.00
10	256QAM	1	25	17.45	17.63	17.41	19.00
10	256QAM	1	49	17.52	17.56	17.43	19.00
10	256QAM	25	0	17.42	17.53	17.33	19.00
10	256QAM	25	12	17.32	17.45	17.35	19.00
10	256QAM	25	25	17.59	17.76	17.66	19.00
10	256QAM	50	0	17.43	17.53	17.49	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	19.74	19.76	19.75	20.80
5	QPSK	1	12	19.41	19.60	19.52	20.80
5	QPSK	1	24	19.30	19.50	19.38	20.80
5	QPSK	12	0	19.54	19.58	19.51	20.80
5	QPSK	12	7	19.41	19.60	19.35	20.80
5	QPSK	12	13	19.29	19.43	19.31	20.80
5	QPSK	25	0	19.51	19.61	19.60	20.80
5	16QAM	1	0	19.39	19.52	19.35	20.80
5	16QAM	1	12	19.41	19.56	19.30	20.80
5	16QAM	1	24	19.52	19.62	19.50	20.80
5	16QAM	12	0	19.56	19.65	19.57	20.80
5	16QAM	12	7	19.52	19.53	19.49	20.80
5	16QAM	12	13	19.34	19.48	19.31	20.80
5	16QAM	25	0	19.55	19.68	19.47	20.80
5	64QAM	1	0	19.40	19.58	19.43	20.80
5	64QAM	1	12	19.52	19.67	19.43	20.80
5	64QAM	1	24	19.47	19.49	19.37	20.80
5	64QAM	12	0	19.48	19.57	19.41	20.80
5	64QAM	12	7	19.65	19.70	19.61	20.80
5	64QAM	12	13	19.59	19.64	19.60	20.80
5	64QAM	25	0	19.42	19.48	19.42	20.80
5	256QAM	1	0	17.40	17.42	17.24	19.00
5	256QAM	1	12	17.43	17.66	17.44	19.00
5	256QAM	1	24	17.49	17.53	17.49	19.00
5	256QAM	12	0	17.34	17.53	17.39	19.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	17.39	17.42	17.43	19.00
5	256QAM	12	13	17.57	17.68	17.63	19.00
5	256QAM	25	0	17.45	17.43	17.46	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.77	19.82	19.76	20.80
3	QPSK	1	8	19.47	19.62	19.44	20.80
3	QPSK	1	14	19.33	19.47	19.34	20.80
3	QPSK	8	0	19.53	19.68	19.52	20.80
3	QPSK	8	4	19.39	19.60	19.37	20.80
3	QPSK	8	7	19.29	19.52	19.27	20.80
3	QPSK	15	0	19.52	19.62	19.58	20.80
3	16QAM	1	0	19.31	19.57	19.28	20.80
3	16QAM	1	8	19.38	19.55	19.38	20.80
3	16QAM	1	14	19.48	19.62	19.50	20.80
3	16QAM	8	0	19.60	19.62	19.52	20.80
3	16QAM	8	4	19.57	19.61	19.58	20.80
3	16QAM	8	7	19.37	19.47	19.35	20.80
3	16QAM	15	0	19.64	19.67	19.52	20.80
3	64QAM	1	0	19.42	19.61	19.40	20.80
3	64QAM	1	8	19.53	19.62	19.43	20.80
3	64QAM	1	14	19.41	19.56	19.41	20.80
3	64QAM	8	0	19.56	19.49	19.44	20.80
3	64QAM	8	4	19.53	19.72	19.62	20.80
3	64QAM	8	7	19.55	19.59	19.54	20.80
3	64QAM	15	0	19.41	19.53	19.33	20.80
3	256QAM	1	0	17.44	17.49	17.30	19.00
3	256QAM	1	8	17.53	17.59	17.36	19.00
3	256QAM	1	14	17.55	17.65	17.46	19.00
3	256QAM	8	0	17.38	17.57	17.41	19.00
3	256QAM	8	4	17.29	17.41	17.45	19.00
3	256QAM	8	7	17.58	17.71	17.68	19.00
3	256QAM	15	0	17.48	17.51	17.41	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.75	19.71	19.66	20.80
1.4	QPSK	1	3	19.46	19.64	19.51	20.80
1.4	QPSK	1	5	19.41	19.48	19.26	20.80
1.4	QPSK	3	0	19.58	19.68	19.56	20.80
1.4	QPSK	3	1	19.49	19.54	19.40	20.80
1.4	QPSK	3	3	19.39	19.40	19.34	20.80
1.4	QPSK	6	0	19.52	19.54	19.54	20.80
1.4	16QAM	1	0	19.31	19.45	19.36	20.80
1.4	16QAM	1	3	19.40	19.48	19.32	20.80
1.4	16QAM	1	5	19.52	19.64	19.49	20.80
1.4	16QAM	3	0	19.61	19.65	19.50	20.80
1.4	16QAM	3	1	19.54	19.53	19.54	20.80
1.4	16QAM	3	3	19.34	19.43	19.28	20.80
1.4	16QAM	6	0	19.57	19.64	19.50	20.80
1.4	64QAM	1	0	19.35	19.54	19.48	20.80
1.4	64QAM	1	3	19.54	19.66	19.48	20.80
1.4	64QAM	1	5	19.36	19.52	19.38	20.80
1.4	64QAM	3	0	19.47	19.52	19.49	20.80
1.4	64QAM	3	1	19.54	19.60	19.58	20.80
1.4	64QAM	3	3	19.53	19.58	19.56	20.80
1.4	64QAM	6	0	19.41	19.49	19.31	20.80
1.4	256QAM	1	0	17.41	17.49	17.34	19.00
1.4	256QAM	1	3	17.50	17.56	17.40	19.00
1.4	256QAM	1	5	17.46	17.61	17.39	19.00
1.4	256QAM	3	0	17.47	17.58	17.39	19.00
1.4	256QAM	3	1	17.33	17.44	17.41	19.00
1.4	256QAM	3	3	17.50	17.73	17.65	19.00
1.4	256QAM	6	0	17.50	17.44	17.37	19.00

【LTE Band 2_Ant 2_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	22.75	22.81	22.70	24.00
20	QPSK	1	49	22.32	22.53	22.30	24.00
20	QPSK	1	99	22.32	22.52	22.35	24.00
20	QPSK	50	0	21.80	21.83	21.78	23.00
20	QPSK	50	24	21.46	21.61	21.40	23.00
20	QPSK	50	50	21.64	21.76	21.64	23.00
20	QPSK	100	0	21.55	21.74	21.50	23.00
20	16QAM	1	0	21.51	21.59	21.34	23.00
20	16QAM	1	49	21.59	21.74	21.59	23.00
20	16QAM	1	99	21.63	21.73	21.57	23.00
20	16QAM	50	0	20.50	20.60	20.49	22.00
20	16QAM	50	24	20.64	20.77	20.55	22.00
20	16QAM	50	50	20.50	20.68	20.48	22.00
20	16QAM	100	0	20.65	20.81	20.62	22.00
20	64QAM	1	0	20.60	20.78	20.57	22.00
20	64QAM	1	49	20.49	20.63	20.41	22.00
20	64QAM	1	99	20.67	20.80	20.59	22.00
20	64QAM	50	0	19.48	19.60	19.37	21.00
20	64QAM	50	24	19.71	19.79	19.56	21.00
20	64QAM	50	50	19.63	19.79	19.68	21.00
20	64QAM	100	0	19.65	19.76	19.55	21.00
20	256QAM	1	0	17.49	17.63	17.46	19.00
20	256QAM	1	49	17.59	17.67	17.48	19.00
20	256QAM	1	99	17.63	17.77	17.67	19.00
20	256QAM	50	0	17.56	17.75	17.53	19.00
20	256QAM	50	24	17.61	17.72	17.61	19.00
20	256QAM	50	50	17.58	17.70	17.59	19.00
20	256QAM	100	0	17.58	17.69	17.48	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.74	22.71	22.65	24.00
15	QPSK	1	37	22.21	22.47	22.24	24.00
15	QPSK	1	74	22.18	22.51	22.25	24.00
15	QPSK	36	0	21.68	21.71	21.71	23.00
15	QPSK	36	20	21.37	21.53	21.36	23.00
15	QPSK	36	39	21.57	21.65	21.49	23.00
15	QPSK	75	0	21.49	21.70	21.38	23.00
15	16QAM	1	0	21.38	21.55	21.26	23.00
15	16QAM	1	37	21.46	21.64	21.50	23.00
15	16QAM	1	74	21.53	21.62	21.47	23.00
15	16QAM	36	0	20.45	20.56	20.38	22.00
15	16QAM	36	20	20.55	20.64	20.52	22.00
15	16QAM	36	39	20.38	20.60	20.37	22.00
15	16QAM	75	0	20.62	20.68	20.59	22.00
15	64QAM	1	0	20.51	20.77	20.46	22.00
15	64QAM	1	37	20.42	20.49	20.36	22.00
15	64QAM	1	74	20.58	20.76	20.57	22.00
15	64QAM	36	0	19.41	19.52	19.32	21.00
15	64QAM	36	20	19.58	19.73	19.45	21.00
15	64QAM	36	39	19.62	19.77	19.66	21.00
15	64QAM	75	0	19.60	19.65	19.47	21.00
15	256QAM	1	0	17.35	17.51	17.44	19.00
15	256QAM	1	37	17.58	17.62	17.38	19.00
15	256QAM	1	74	17.48	17.71	17.61	19.00
15	256QAM	36	0	17.43	17.61	17.43	19.00
15	256QAM	36	20	17.50	17.66	17.59	19.00
15	256QAM	36	39	17.45	17.67	17.48	19.00
15	256QAM	75	0	17.48	17.55	17.35	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.69	22.66	22.66	24.00
10	QPSK	1	25	22.18	22.50	22.18	24.00
10	QPSK	1	49	22.30	22.48	22.31	24.00
10	QPSK	25	0	21.74	21.72	21.73	23.00
10	QPSK	25	12	21.42	21.57	21.28	23.00
10	QPSK	25	25	21.52	21.67	21.63	23.00
10	QPSK	50	0	21.40	21.72	21.44	23.00
10	16QAM	1	0	21.39	21.52	21.25	23.00
10	16QAM	1	25	21.53	21.61	21.49	23.00
10	16QAM	1	49	21.49	21.61	21.54	23.00
10	16QAM	25	0	20.42	20.56	20.46	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	20.60	20.71	20.53	22.00
10	16QAM	25	25	20.43	20.65	20.45	22.00
10	16QAM	50	0	20.54	20.74	20.53	22.00
10	64QAM	1	0	20.49	20.72	20.49	22.00
10	64QAM	1	25	20.44	20.54	20.29	22.00
10	64QAM	1	49	20.64	20.69	20.55	22.00
10	64QAM	25	0	19.40	19.50	19.33	21.00
10	64QAM	25	12	19.60	19.74	19.48	21.00
10	64QAM	25	25	19.57	19.67	19.58	21.00
10	64QAM	50	0	19.54	19.68	19.51	21.00
10	256QAM	1	0	17.39	17.57	17.31	19.00
10	256QAM	1	25	17.50	17.55	17.35	19.00
10	256QAM	1	49	17.51	17.74	17.60	19.00
10	256QAM	25	0	17.53	17.71	17.44	19.00
10	256QAM	25	12	17.50	17.65	17.48	19.00
10	256QAM	25	25	17.51	17.63	17.52	19.00
10	256QAM	50	0	17.56	17.59	17.40	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	22.71	22.74	22.62	24.00
5	QPSK	1	12	22.30	22.40	22.29	24.00
5	QPSK	1	24	22.23	22.45	22.29	24.00
5	QPSK	12	0	21.65	21.73	21.70	23.00
5	QPSK	12	7	21.39	21.55	21.27	23.00
5	QPSK	12	13	21.57	21.68	21.50	23.00
5	QPSK	25	0	21.45	21.60	21.40	23.00
5	16QAM	1	0	21.40	21.49	21.21	23.00
5	16QAM	1	12	21.54	21.71	21.48	23.00
5	16QAM	1	24	21.58	21.64	21.51	23.00
5	16QAM	12	0	20.37	20.55	20.41	22.00
5	16QAM	12	7	20.54	20.73	20.45	22.00
5	16QAM	12	13	20.36	20.53	20.34	22.00
5	16QAM	25	0	20.52	20.68	20.52	22.00
5	64QAM	1	0	20.58	20.65	20.53	22.00
5	64QAM	1	12	20.36	20.60	20.38	22.00
5	64QAM	1	24	20.56	20.66	20.46	22.00
5	64QAM	12	0	19.41	19.50	19.30	21.00
5	64QAM	12	7	19.69	19.64	19.42	21.00
5	64QAM	12	13	19.59	19.71	19.67	21.00
5	64QAM	25	0	19.58	19.74	19.47	21.00
5	256QAM	1	0	17.35	17.57	17.40	19.00
5	256QAM	1	12	17.51	17.57	17.37	19.00
5	256QAM	1	24	17.53	17.69	17.64	19.00
5	256QAM	12	0	17.51	17.61	17.49	19.00
5	256QAM	12	7	17.49	17.64	17.56	19.00
5	256QAM	12	13	17.56	17.66	17.44	19.00
5	256QAM	25	0	17.55	17.64	17.41	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.65	22.76	22.55	24.00
3	QPSK	1	8	22.31	22.41	22.22	24.00
3	QPSK	1	14	22.18	22.40	22.26	24.00
3	QPSK	8	0	21.77	21.70	21.70	23.00
3	QPSK	8	4	21.44	21.55	21.33	23.00
3	QPSK	8	7	21.56	21.66	21.49	23.00
3	QPSK	15	0	21.49	21.72	21.42	23.00
3	16QAM	1	0	21.49	21.58	21.19	23.00
3	16QAM	1	8	21.58	21.61	21.56	23.00
3	16QAM	1	14	21.61	21.71	21.44	23.00
3	16QAM	8	0	20.36	20.49	20.48	22.00
3	16QAM	8	4	20.51	20.67	20.43	22.00
3	16QAM	8	7	20.43	20.53	20.43	22.00
3	16QAM	15	0	20.52	20.79	20.53	22.00
3	64QAM	1	0	20.46	20.64	20.54	22.00
3	64QAM	1	8	20.39	20.60	20.27	22.00
3	64QAM	1	14	20.61	20.74	20.52	22.00
3	64QAM	8	0	19.40	19.59	19.30	21.00
3	64QAM	8	4	19.56	19.67	19.54	21.00
3	64QAM	8	7	19.52	19.75	19.62	21.00
3	64QAM	15	0	19.52	19.71	19.44	21.00
3	256QAM	1	0	17.42	17.54	17.45	19.00
3	256QAM	1	8	17.50	17.56	17.46	19.00
3	256QAM	1	14	17.61	17.71	17.63	19.00
3	256QAM	8	0	17.54	17.65	17.38	19.00
3	256QAM	8	4	17.58	17.60	17.51	19.00
3	256QAM	8	7	17.44	17.61	17.49	19.00
3	256QAM	15	0	17.53	17.58	17.36	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	22.68	22.74	22.57	24.00
1.4	QPSK	1	3	22.18	22.44	22.25	24.00
1.4	QPSK	1	5	22.21	22.38	22.31	24.00
1.4	QPSK	3	0	22.65	22.75	22.72	24.00
1.4	QPSK	3	1	22.43	22.58	22.31	24.00
1.4	QPSK	3	3	22.52	22.71	22.56	24.00
1.4	QPSK	6	0	21.53	21.62	21.44	23.00
1.4	16QAM	1	0	21.38	21.45	21.23	23.00
1.4	16QAM	1	3	21.52	21.61	21.51	23.00
1.4	16QAM	1	5	21.59	21.66	21.54	23.00
1.4	16QAM	3	0	21.45	21.55	21.35	23.00
1.4	16QAM	3	1	21.51	21.67	21.41	23.00
1.4	16QAM	3	3	21.44	21.63	21.33	23.00
1.4	16QAM	6	0	20.61	20.73	20.52	22.00
1.4	64QAM	1	0	20.46	20.74	20.44	22.00
1.4	64QAM	1	3	20.42	20.53	20.36	22.00
1.4	64QAM	1	5	20.55	20.65	20.49	22.00
1.4	64QAM	3	0	20.39	20.48	20.23	22.00
1.4	64QAM	3	1	20.66	20.72	20.51	22.00
1.4	64QAM	3	3	20.53	20.68	20.58	22.00
1.4	64QAM	6	0	19.57	19.68	19.51	21.00
1.4	256QAM	1	0	17.42	17.55	17.31	19.00
1.4	256QAM	1	3	17.56	17.57	17.42	19.00
1.4	256QAM	1	5	17.62	17.65	17.60	19.00
1.4	256QAM	3	0	17.43	17.71	17.46	19.00
1.4	256QAM	3	1	17.59	17.63	17.46	19.00
1.4	256QAM	3	3	17.57	17.56	17.56	19.00
1.4	256QAM	6	0	17.57	17.59	17.46	19.00

【LTE Band 2_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.92	21.95	21.90	22.80
20	QPSK	1	49	21.60	21.67	21.54	22.80
20	QPSK	1	99	21.53	21.69	21.54	22.80
20	QPSK	50	0	21.85	21.86	21.84	22.80
20	QPSK	50	24	21.70	21.74	21.55	22.80
20	QPSK	50	50	21.50	21.66	21.47	22.80
20	QPSK	100	0	21.82	21.86	21.80	22.80
20	16QAM	1	0	21.52	21.67	21.53	22.80
20	16QAM	1	49	21.71	21.75	21.56	22.80
20	16QAM	1	99	21.59	21.69	21.58	22.80
20	16QAM	50	0	20.55	20.64	20.49	22.00
20	16QAM	50	24	20.77	20.84	20.65	22.00
20	16QAM	50	50	20.60	20.77	20.62	22.00
20	16QAM	100	0	20.69	20.78	20.62	22.00
20	64QAM	1	0	20.66	20.70	20.56	22.00
20	64QAM	1	49	20.71	20.78	20.71	22.00
20	64QAM	1	99	20.66	20.74	20.60	22.00
20	64QAM	50	0	19.61	19.66	19.47	21.00
20	64QAM	50	24	19.75	19.86	19.75	21.00
20	64QAM	50	50	19.72	19.86	19.68	21.00
20	64QAM	100	0	19.63	19.78	19.68	21.00
20	256QAM	1	0	17.63	17.80	17.70	19.00
20	256QAM	1	49	17.62	17.68	17.53	19.00
20	256QAM	1	99	17.65	17.69	17.52	19.00
20	256QAM	50	0	17.73	17.79	17.61	19.00
20	256QAM	50	24	17.62	17.73	17.64	19.00
20	256QAM	50	50	17.66	17.77	17.68	19.00
20	256QAM	100	0	17.54	17.64	17.55	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.87	21.93	21.82	22.80
15	QPSK	1	37	21.49	21.64	21.41	22.80
15	QPSK	1	74	21.47	21.65	21.46	22.80
15	QPSK	36	0	21.45	21.75	21.65	22.80
15	QPSK	36	20	21.71	21.83	21.77	22.80
15	QPSK	36	39	21.43	21.54	21.39	22.80
15	QPSK	75	0	21.78	21.77	21.76	22.80



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	21.39	21.56	21.44	22.80
15	16QAM	1	37	21.66	21.69	21.52	22.80
15	16QAM	1	74	21.51	21.65	21.50	22.80
15	16QAM	36	0	20.44	20.59	20.44	22.00
15	16QAM	36	20	20.76	20.74	20.52	22.00
15	16QAM	36	39	20.49	20.66	20.52	22.00
15	16QAM	75	0	20.55	20.76	20.51	22.00
15	64QAM	1	0	20.52	20.59	20.54	22.00
15	64QAM	1	37	20.58	20.68	20.56	22.00
15	64QAM	1	74	20.52	20.61	20.51	22.00
15	64QAM	36	0	19.56	19.57	19.42	21.00
15	64QAM	36	20	19.64	19.73	19.64	21.00
15	64QAM	36	39	19.66	19.78	19.64	21.00
15	64QAM	75	0	19.58	19.73	19.59	21.00
15	256QAM	1	0	17.51	17.75	17.62	19.00
15	256QAM	1	37	17.53	17.53	17.39	19.00
15	256QAM	1	74	17.55	17.63	17.44	19.00
15	256QAM	36	0	17.64	17.66	17.53	19.00
15	256QAM	36	20	17.60	17.62	17.53	19.00
15	256QAM	36	39	17.59	17.70	17.60	19.00
15	256QAM	75	0	17.43	17.56	17.48	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.80	21.84	21.78	22.80
10	QPSK	1	25	21.53	21.53	21.40	22.80
10	QPSK	1	49	21.46	21.66	21.46	22.80
10	QPSK	25	0	21.58	21.74	21.54	22.80
10	QPSK	25	12	21.83	21.79	21.83	22.80
10	QPSK	25	25	21.37	21.61	21.45	22.80
10	QPSK	50	0	21.74	21.78	21.76	22.80
10	16QAM	1	0	21.43	21.59	21.42	22.80
10	16QAM	1	25	21.60	21.62	21.48	22.80
10	16QAM	1	49	21.56	21.66	21.53	22.80
10	16QAM	25	0	20.41	20.54	20.35	22.00
10	16QAM	25	12	20.76	20.71	20.61	22.00
10	16QAM	25	25	20.46	20.75	20.53	22.00
10	16QAM	50	0	20.59	20.75	20.50	22.00
10	64QAM	1	0	20.62	20.67	20.44	22.00
10	64QAM	1	25	20.66	20.72	20.68	22.00
10	64QAM	1	49	20.57	20.66	20.59	22.00
10	64QAM	25	0	19.52	19.64	19.45	21.00
10	64QAM	25	12	19.68	19.85	19.62	21.00
10	64QAM	25	25	19.66	19.78	19.65	21.00
10	64QAM	50	0	19.60	19.64	19.56	21.00
10	256QAM	1	0	17.59	17.76	17.63	19.00
10	256QAM	1	25	17.51	17.64	17.51	19.00
10	256QAM	1	49	17.53	17.56	17.41	19.00
10	256QAM	25	0	17.65	17.65	17.46	19.00
10	256QAM	25	12	17.59	17.67	17.51	19.00
10	256QAM	25	25	17.55	17.72	17.62	19.00
10	256QAM	50	0	17.41	17.56	17.50	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.83	21.86	21.85	22.80
5	QPSK	1	12	21.50	21.58	21.49	22.80
5	QPSK	1	24	21.50	21.60	21.39	22.80
5	QPSK	12	0	21.57	21.70	21.65	22.80
5	QPSK	12	7	21.76	21.73	21.80	22.80
5	QPSK	12	13	21.48	21.54	21.40	22.80
5	QPSK	25	0	21.76	21.81	21.72	22.80
5	16QAM	1	0	21.51	21.54	21.41	22.80
5	16QAM	1	12	21.61	21.70	21.55	22.80
5	16QAM	1	24	21.57	21.65	21.50	22.80
5	16QAM	12	0	20.53	20.57	20.46	22.00
5	16QAM	12	7	20.71	20.80	20.61	22.00
5	16QAM	12	13	20.51	20.67	20.48	22.00
5	16QAM	25	0	20.57	20.72	20.59	22.00
5	64QAM	1	0	20.51	20.61	20.41	22.00
5	64QAM	1	12	20.63	20.72	20.66	22.00
5	64QAM	1	24	20.54	20.63	20.51	22.00
5	64QAM	12	0	19.47	19.62	19.46	21.00
5	64QAM	12	7	19.65	19.82	19.74	21.00
5	64QAM	12	13	19.59	19.75	19.55	21.00
5	64QAM	25	0	19.61	19.68	19.65	21.00
5	256QAM	1	0	17.57	17.68	17.62	19.00
5	256QAM	1	12	17.51	17.57	17.44	19.00
5	256QAM	1	24	17.52	17.59	17.45	19.00
5	256QAM	12	0	17.70	17.77	17.57	19.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	17.52	17.69	17.50	19.00
5	256QAM	12	13	17.60	17.74	17.60	19.00
5	256QAM	25	0	17.41	17.59	17.50	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.86	21.84	21.88	22.80
3	QPSK	1	8	21.58	21.56	21.41	22.80
3	QPSK	1	14	21.39	21.65	21.49	22.80
3	QPSK	8	0	21.47	21.69	21.55	22.80
3	QPSK	8	4	21.84	21.72	21.75	22.80
3	QPSK	8	7	21.48	21.60	21.43	22.80
3	QPSK	15	0	21.74	21.85	21.74	22.80
3	16QAM	1	0	21.45	21.53	21.39	22.80
3	16QAM	1	8	21.63	21.62	21.48	22.80
3	16QAM	1	14	21.52	21.61	21.56	22.80
3	16QAM	8	0	20.47	20.62	20.38	22.00
3	16QAM	8	4	20.75	20.81	20.53	22.00
3	16QAM	8	7	20.50	20.73	20.48	22.00
3	16QAM	15	0	20.61	20.68	20.55	22.00
3	64QAM	1	0	20.61	20.59	20.44	22.00
3	64QAM	1	8	20.56	20.76	20.59	22.00
3	64QAM	1	14	20.55	20.60	20.50	22.00
3	64QAM	8	0	19.51	19.58	19.32	21.00
3	64QAM	8	4	19.68	19.79	19.72	21.00
3	64QAM	8	7	19.63	19.82	19.60	21.00
3	64QAM	15	0	19.56	19.74	19.55	21.00
3	256QAM	1	0	17.49	17.68	17.57	19.00
3	256QAM	1	8	17.60	17.53	17.49	19.00
3	256QAM	1	14	17.56	17.68	17.42	19.00
3	256QAM	8	0	17.59	17.66	17.52	19.00
3	256QAM	8	4	17.57	17.61	17.61	19.00
3	256QAM	8	7	17.58	17.69	17.62	19.00
3	256QAM	15	0	17.44	17.61	17.42	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.85	21.89	21.85	22.80
1.4	QPSK	1	3	21.51	21.58	21.42	22.80
1.4	QPSK	1	5	21.41	21.57	21.47	22.80
1.4	QPSK	3	0	21.53	21.73	21.64	22.80
1.4	QPSK	3	1	21.74	21.76	21.79	22.80
1.4	QPSK	3	3	21.40	21.60	21.33	22.80
1.4	QPSK	6	0	21.78	21.72	21.75	22.80
1.4	16QAM	1	0	21.38	21.62	21.43	22.80
1.4	16QAM	1	3	21.65	21.73	21.46	22.80
1.4	16QAM	1	5	21.49	21.55	21.54	22.80
1.4	16QAM	3	0	21.53	21.54	21.38	22.80
1.4	16QAM	3	1	21.73	21.74	21.52	22.80
1.4	16QAM	3	3	21.54	21.68	21.50	22.80
1.4	16QAM	6	0	20.65	20.76	20.53	22.00
1.4	64QAM	1	0	20.61	20.59	20.45	22.00
1.4	64QAM	1	3	20.60	20.71	20.65	22.00
1.4	64QAM	1	5	20.58	20.64	20.49	22.00
1.4	64QAM	3	0	20.57	20.64	20.43	22.00
1.4	64QAM	3	1	20.69	20.73	20.62	22.00
1.4	64QAM	3	3	20.66	20.72	20.56	22.00
1.4	64QAM	6	0	20.61	20.64	20.60	21.00
1.4	256QAM	1	0	17.49	17.75	17.61	19.00
1.4	256QAM	1	3	17.52	17.53	17.43	19.00
1.4	256QAM	1	5	17.59	17.61	17.46	19.00
1.4	256QAM	3	0	17.67	17.65	17.55	19.00
1.4	256QAM	3	1	17.53	17.70	17.50	19.00
1.4	256QAM	3	3	17.63	17.71	17.63	19.00
1.4	256QAM	6	0	17.52	17.56	17.41	19.00



【LTE Band 2_Ant 2_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	20.10
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	19.30	19.32	19.29	20.10
20	QPSK	1	49	19.18	19.22	19.06	20.10
20	QPSK	1	99	18.96	19.01	18.96	20.10
20	QPSK	50	0	19.14	19.15	19.13	20.10
20	QPSK	50	24	19.02	19.05	18.88	20.10
20	QPSK	50	50	19.01	19.14	19.01	20.10
20	QPSK	100	0	19.14	19.17	19.15	20.10
20	16QAM	1	0	18.91	19.01	18.87	20.10
20	16QAM	1	49	19.00	19.06	18.95	20.10
20	16QAM	1	99	19.00	19.10	19.03	20.10
20	16QAM	50	0	19.14	19.21	19.16	20.10
20	16QAM	50	24	18.90	19.03	18.96	20.10
20	16QAM	50	50	19.09	19.22	19.13	20.10
20	16QAM	100	0	19.10	19.21	19.12	20.10
20	64QAM	1	0	19.06	19.17	19.07	20.10
20	64QAM	1	49	19.04	19.19	19.12	20.10
20	64QAM	1	99	18.95	19.03	18.85	20.10
20	64QAM	50	0	19.05	19.21	19.16	20.10
20	64QAM	50	24	18.98	19.12	18.96	20.10
20	64QAM	50	50	18.96	19.05	19.01	20.10
20	64QAM	100	0	19.15	19.19	19.09	20.10
20	256QAM	1	0	17.60	17.65	17.50	19.00
20	256QAM	1	49	17.49	17.63	17.46	19.00
20	256QAM	1	99	17.41	17.56	17.50	19.00
20	256QAM	50	0	17.62	17.70	17.65	19.00
20	256QAM	50	24	17.58	17.70	17.54	19.00
20	256QAM	50	50	17.52	17.66	17.61	19.00
20	256QAM	100	0	17.41	17.55	17.38	19.00
Channel				18675	18900	19125	20.10
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.25	19.30	19.16	20.10
15	QPSK	1	37	19.04	19.08	19.00	20.10
15	QPSK	1	74	18.93	18.93	18.87	20.10
15	QPSK	36	0	19.08	19.06	19.11	20.10
15	QPSK	36	20	19.00	18.92	18.86	20.10
15	QPSK	36	39	18.88	18.99	18.98	20.10
15	QPSK	75	0	19.05	19.03	19.11	20.10
15	16QAM	1	0	18.88	18.99	18.72	20.10
15	16QAM	1	37	18.96	18.94	18.87	20.10
15	16QAM	1	74	18.87	19.08	18.99	20.10
15	16QAM	36	0	19.10	19.13	19.15	20.10
15	16QAM	36	20	18.89	18.88	18.90	20.10
15	16QAM	36	39	19.00	19.11	19.11	20.10
15	16QAM	75	0	19.03	19.07	19.03	20.10
15	64QAM	1	0	18.97	19.04	19.01	20.10
15	64QAM	1	37	19.02	19.17	19.08	20.10
15	64QAM	1	74	18.89	18.93	18.73	20.10
15	64QAM	36	0	19.02	19.16	19.13	20.10
15	64QAM	36	20	18.96	19.09	18.89	20.10
15	64QAM	36	39	18.90	19.03	18.94	20.10
15	64QAM	75	0	19.09	19.13	18.95	20.10
15	256QAM	1	0	17.53	17.62	17.45	19.00
15	256QAM	1	37	17.42	17.58	17.34	19.00
15	256QAM	1	74	17.31	17.50	17.42	19.00
15	256QAM	36	0	17.47	17.58	17.56	19.00
15	256QAM	36	20	17.46	17.65	17.46	19.00
15	256QAM	36	39	17.38	17.60	17.55	19.00
15	256QAM	75	0	17.35	17.41	17.25	19.00
Channel				18650	18900	19150	20.10
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.22	19.22	19.26	20.10
10	QPSK	1	25	19.09	19.08	19.03	20.10
10	QPSK	1	49	18.83	18.95	18.83	20.10
10	QPSK	25	0	19.06	19.03	19.11	20.10
10	QPSK	25	12	19.00	18.99	18.86	20.10
10	QPSK	25	25	18.98	19.12	18.99	20.10
10	QPSK	50	0	19.01	19.11	19.07	20.10
10	16QAM	1	0	18.84	18.92	18.82	20.10
10	16QAM	1	25	18.93	19.03	18.85	20.10
10	16QAM	1	49	18.94	18.98	18.93	20.10
10	16QAM	25	0	19.08	19.17	19.04	20.10



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	18.76	18.94	18.83	20.10
10	16QAM	25	25	19.07	19.15	19.00	20.10
10	16QAM	50	0	18.99	19.17	18.97	20.10
10	64QAM	1	0	19.02	19.05	18.97	20.10
10	64QAM	1	25	18.98	19.06	19.09	20.10
10	64QAM	1	49	18.91	18.98	18.82	20.10
10	64QAM	25	0	18.94	19.09	19.13	20.10
10	64QAM	25	12	18.84	19.07	18.85	20.10
10	64QAM	25	25	18.91	19.00	18.92	20.10
10	64QAM	50	0	19.07	19.17	19.05	20.10
10	256QAM	1	0	17.56	17.59	17.41	19.00
10	256QAM	1	25	17.38	17.51	17.33	19.00
10	256QAM	1	49	17.33	17.49	17.40	19.00
10	256QAM	25	0	17.54	17.59	17.55	19.00
10	256QAM	25	12	17.55	17.58	17.53	19.00
10	256QAM	25	25	17.43	17.54	17.49	19.00
10	256QAM	50	0	17.34	17.44	17.29	19.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.15	19.28	19.19	20.10
5	QPSK	1	12	19.15	19.12	19.02	20.10
5	QPSK	1	24	18.93	18.94	18.83	20.10
5	QPSK	12	0	19.09	19.01	19.03	20.10
5	QPSK	12	7	18.98	18.98	18.75	20.10
5	QPSK	12	13	18.98	19.09	19.00	20.10
5	QPSK	25	0	19.01	19.04	19.13	20.10
5	16QAM	1	0	18.86	18.91	18.75	20.10
5	16QAM	1	12	18.96	18.92	18.90	20.10
5	16QAM	1	24	18.92	19.06	18.93	20.10
5	16QAM	12	0	19.09	19.16	19.14	20.10
5	16QAM	12	7	18.76	19.00	18.88	20.10
5	16QAM	12	13	18.96	19.18	19.07	20.10
5	16QAM	25	0	19.06	19.10	19.03	20.10
5	64QAM	1	0	18.96	19.14	18.99	20.10
5	64QAM	1	12	18.92	19.12	18.97	20.10
5	64QAM	1	24	18.92	18.88	18.74	20.10
5	64QAM	12	0	18.95	19.10	19.03	20.10
5	64QAM	12	7	18.93	19.02	18.85	20.10
5	64QAM	12	13	18.92	19.04	18.88	20.10
5	64QAM	25	0	19.00	19.09	18.96	20.10
5	256QAM	1	0	17.53	17.60	17.40	19.00
5	256QAM	1	12	17.35	17.54	17.35	19.00
5	256QAM	1	24	17.30	17.46	17.39	19.00
5	256QAM	12	0	17.51	17.62	17.51	19.00
5	256QAM	12	7	17.52	17.58	17.51	19.00
5	256QAM	12	13	17.44	17.65	17.55	19.00
5	256QAM	25	0	17.36	17.50	17.29	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.15	19.28	19.23	20.10
3	QPSK	1	8	19.14	19.14	19.01	20.10
3	QPSK	1	14	18.84	18.96	18.86	20.10
3	QPSK	8	0	18.99	19.00	19.00	20.10
3	QPSK	8	4	18.93	19.03	18.77	20.10
3	QPSK	8	7	18.95	19.09	18.92	20.10
3	QPSK	15	0	19.02	19.16	19.03	20.10
3	16QAM	1	0	18.88	18.98	18.76	20.10
3	16QAM	1	8	18.92	19.04	18.89	20.10
3	16QAM	1	14	18.86	18.97	18.95	20.10
3	16QAM	8	0	19.10	19.12	19.06	20.10
3	16QAM	8	4	18.81	18.91	18.90	20.10
3	16QAM	8	7	19.08	19.13	19.09	20.10
3	16QAM	15	0	19.06	19.11	18.97	20.10
3	64QAM	1	0	19.03	19.14	18.93	20.10
3	64QAM	1	8	18.96	19.15	19.09	20.10
3	64QAM	1	14	18.84	18.98	18.79	20.10
3	64QAM	8	0	18.99	19.08	19.04	20.10
3	64QAM	8	4	18.87	19.03	18.82	20.10
3	64QAM	8	7	18.84	19.00	18.99	20.10
3	64QAM	15	0	19.11	19.10	18.96	20.10
3	256QAM	1	0	17.47	17.58	17.40	19.00
3	256QAM	1	8	17.47	17.57	17.39	19.00
3	256QAM	1	14	17.27	17.55	17.48	19.00
3	256QAM	8	0	17.53	17.55	17.54	19.00
3	256QAM	8	4	17.48	17.61	17.42	19.00
3	256QAM	8	7	17.46	17.61	17.48	19.00
3	256QAM	15	0	17.27	17.41	17.23	19.00
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	19.27	19.30	19.27	20.10
1.4	QPSK	1	3	19.09	19.11	19.00	20.10
1.4	QPSK	1	5	18.91	18.89	18.86	20.10
1.4	QPSK	3	0	19.07	19.08	18.99	20.10
1.4	QPSK	3	1	18.98	19.03	18.83	20.10
1.4	QPSK	3	3	18.88	19.03	18.88	20.10
1.4	QPSK	6	0	19.09	19.16	19.03	20.10
1.4	16QAM	1	0	18.87	18.91	18.81	20.10
1.4	16QAM	1	3	18.91	19.05	18.87	20.10
1.4	16QAM	1	5	18.87	19.03	18.92	20.10
1.4	16QAM	3	0	19.07	19.12	19.09	20.10
1.4	16QAM	3	1	18.76	18.90	18.94	20.10
1.4	16QAM	3	3	19.06	19.12	19.08	20.10
1.4	16QAM	6	0	18.95	19.11	19.03	20.10
1.4	64QAM	1	0	18.99	19.13	18.97	20.10
1.4	64QAM	1	3	18.94	19.14	18.99	20.10
1.4	64QAM	1	5	18.92	18.90	18.81	20.10
1.4	64QAM	3	0	19.00	19.11	19.15	20.10
1.4	64QAM	3	1	18.96	19.11	18.92	20.10
1.4	64QAM	3	3	18.89	18.99	18.98	20.10
1.4	64QAM	6	0	19.12	19.14	18.97	20.10
1.4	256QAM	1	0	17.46	17.52	17.45	19.00
1.4	256QAM	1	3	17.35	17.48	17.41	19.00
1.4	256QAM	1	5	17.35	17.50	17.44	19.00
1.4	256QAM	3	0	17.54	17.68	17.58	19.00
1.4	256QAM	3	1	17.50	17.62	17.50	19.00
1.4	256QAM	3	3	17.50	17.61	17.52	19.00
1.4	256QAM	6	0	17.26	17.48	17.30	19.00

【LTE Band 2_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	14.55	14.61	14.59	15.90
20	QPSK	1	49	14.33	14.48	14.46	15.90
20	QPSK	1	99	14.39	14.47	14.41	15.90
20	QPSK	50	0	14.48	14.58	14.50	15.90
20	QPSK	50	24	14.50	14.37	14.39	15.90
20	QPSK	50	50	14.50	14.51	14.42	15.90
20	QPSK	100	0	14.40	14.48	14.46	15.90
20	16QAM	1	0	14.42	14.45	14.50	15.90
20	16QAM	1	49	14.47	14.48	14.49	15.90
20	16QAM	1	99	14.40	14.46	14.45	15.90
20	16QAM	50	0	14.34	14.44	14.38	15.90
20	16QAM	50	24	14.44	14.50	14.47	15.90
20	16QAM	50	50	14.48	14.41	14.52	15.90
20	16QAM	100	0	14.42	14.43	14.45	15.90
20	64QAM	1	0	14.36	14.49	14.53	15.90
20	64QAM	1	49	14.50	14.48	14.44	15.90
20	64QAM	1	99	14.44	14.50	14.45	15.90
20	64QAM	50	0	14.42	14.39	14.37	15.90
20	64QAM	50	24	14.42	14.46	14.45	15.90
20	64QAM	50	50	14.43	14.52	14.43	15.90
20	64QAM	100	0	14.43	14.53	14.43	15.90
20	256QAM	1	0	14.36	14.46	14.52	15.90
20	256QAM	1	49	14.39	14.50	14.50	15.90
20	256QAM	1	99	14.40	14.53	14.46	15.90
20	256QAM	50	0	14.50	14.44	14.49	15.90
20	256QAM	50	24	14.51	14.58	14.41	15.90
20	256QAM	50	50	14.47	14.56	14.43	15.90
20	256QAM	100	0	14.41	14.52	14.37	15.90
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	14.50	14.56	14.48	15.90
15	QPSK	1	37	14.19	14.36	14.34	15.90
15	QPSK	1	74	14.34	14.43	14.38	15.90
15	QPSK	36	0	14.37	14.54	14.43	15.90
15	QPSK	36	20	14.46	14.32	14.31	15.90
15	QPSK	36	39	14.40	14.48	14.41	15.90
15	QPSK	75	0	14.33	14.37	14.43	15.90



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	14.35	14.33	14.47	15.90
15	16QAM	1	37	14.35	14.41	14.44	15.90
15	16QAM	1	74	14.34	14.44	14.30	15.90
15	16QAM	36	0	14.27	14.36	14.35	15.90
15	16QAM	36	20	14.37	14.47	14.37	15.90
15	16QAM	36	39	14.40	14.28	14.41	15.90
15	16QAM	75	0	14.33	14.41	14.44	15.90
15	64QAM	1	0	14.22	14.43	14.50	15.90
15	64QAM	1	37	14.36	14.42	14.37	15.90
15	64QAM	1	74	14.37	14.45	14.34	15.90
15	64QAM	36	0	14.31	14.36	14.34	15.90
15	64QAM	36	20	14.30	14.34	14.31	15.90
15	64QAM	36	39	14.34	14.37	14.40	15.90
15	64QAM	75	0	14.32	14.51	14.36	15.90
15	256QAM	1	0	14.26	14.36	14.43	15.90
15	256QAM	1	37	14.28	14.40	14.43	15.90
15	256QAM	1	74	14.26	14.44	14.34	15.90
15	256QAM	36	0	14.40	14.42	14.41	15.90
15	256QAM	36	20	14.39	14.47	14.36	15.90
15	256QAM	36	39	14.34	14.45	14.40	15.90
15	256QAM	75	0	14.37	14.45	14.27	15.90
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	14.46	14.51	14.46	15.90
10	QPSK	1	25	14.23	14.45	14.34	15.90
10	QPSK	1	49	14.26	14.35	14.33	15.90
10	QPSK	25	0	14.38	14.57	14.46	15.90
10	QPSK	25	12	14.39	14.33	14.28	15.90
10	QPSK	25	25	14.47	14.49	14.33	15.90
10	QPSK	50	0	14.37	14.36	14.34	15.90
10	16QAM	1	0	14.28	14.39	14.38	15.90
10	16QAM	1	25	14.40	14.44	14.46	15.90
10	16QAM	1	49	14.26	14.34	14.39	15.90
10	16QAM	25	0	14.25	14.40	14.27	15.90
10	16QAM	25	12	14.39	14.40	14.41	15.90
10	16QAM	25	25	14.40	14.29	14.43	15.90
10	16QAM	50	0	14.33	14.34	14.38	15.90
10	64QAM	1	0	14.28	14.46	14.42	15.90
10	64QAM	1	25	14.43	14.40	14.38	15.90
10	64QAM	1	49	14.33	14.46	14.33	15.90
10	64QAM	25	0	14.38	14.30	14.34	15.90
10	64QAM	25	12	14.30	14.37	14.37	15.90
10	64QAM	25	25	14.41	14.39	14.42	15.90
10	64QAM	50	0	14.31	14.51	14.34	15.90
10	256QAM	1	0	14.23	14.37	14.49	15.90
10	256QAM	1	25	14.25	14.40	14.37	15.90
10	256QAM	1	49	14.33	14.44	14.44	15.90
10	256QAM	25	0	14.41	14.30	14.40	15.90
10	256QAM	25	12	14.43	14.57	14.36	15.90
10	256QAM	25	25	14.36	14.45	14.34	15.90
10	256QAM	50	0	14.30	14.45	14.24	15.90
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	14.45	14.51	14.51	15.90
5	QPSK	1	12	14.32	14.46	14.40	15.90
5	QPSK	1	24	14.25	14.35	14.31	15.90
5	QPSK	12	0	14.45	14.55	14.44	15.90
5	QPSK	12	7	14.40	14.34	14.32	15.90
5	QPSK	12	13	14.48	14.38	14.38	15.90
5	QPSK	25	0	14.30	14.41	14.35	15.90
5	16QAM	1	0	14.40	14.31	14.43	15.90
5	16QAM	1	12	14.35	14.46	14.40	15.90
5	16QAM	1	24	14.39	14.41	14.36	15.90
5	16QAM	12	0	14.25	14.32	14.36	15.90
5	16QAM	12	7	14.38	14.38	14.41	15.90
5	16QAM	12	13	14.39	14.35	14.40	15.90
5	16QAM	25	0	14.39	14.34	14.34	15.90
5	64QAM	1	0	14.33	14.40	14.41	15.90
5	64QAM	1	12	14.44	14.35	14.39	15.90
5	64QAM	1	24	14.41	14.39	14.41	15.90
5	64QAM	12	0	14.37	14.35	14.36	15.90
5	64QAM	12	7	14.36	14.43	14.31	15.90
5	64QAM	12	13	14.36	14.46	14.30	15.90
5	64QAM	25	0	14.32	14.43	14.31	15.90
5	256QAM	1	0	14.21	14.45	14.51	15.90
5	256QAM	1	12	14.31	14.44	14.40	15.90
5	256QAM	1	24	14.38	14.48	14.44	15.90
5	256QAM	12	0	14.43	14.29	14.40	15.90



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	14.47	14.48	14.32	15.90
5	256QAM	12	13	14.44	14.50	14.40	15.90
5	256QAM	25	0	14.29	14.47	14.25	15.90
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	14.53	14.49	14.54	15.90
3	QPSK	1	8	14.24	14.43	14.40	15.90
3	QPSK	1	14	14.36	14.33	14.29	15.90
3	QPSK	8	0	14.39	14.44	14.41	15.90
3	QPSK	8	4	14.41	14.33	14.34	15.90
3	QPSK	8	7	14.43	14.37	14.29	15.90
3	QPSK	15	0	14.28	14.42	14.41	15.90
3	16QAM	1	0	14.35	14.31	14.40	15.90
3	16QAM	1	8	14.46	14.44	14.47	15.90
3	16QAM	1	14	14.28	14.38	14.33	15.90
3	16QAM	8	0	14.32	14.40	14.26	15.90
3	16QAM	8	4	14.41	14.38	14.38	15.90
3	16QAM	8	7	14.40	14.28	14.50	15.90
3	16QAM	15	0	14.29	14.30	14.43	15.90
3	64QAM	1	0	14.33	14.40	14.49	15.90
3	64QAM	1	8	14.42	14.37	14.33	15.90
3	64QAM	1	14	14.43	14.48	14.38	15.90
3	64QAM	8	0	14.27	14.35	14.25	15.90
3	64QAM	8	4	14.28	14.38	14.32	15.90
3	64QAM	8	7	14.41	14.45	14.40	15.90
3	64QAM	15	0	14.35	14.43	14.36	15.90
3	256QAM	1	0	14.28	14.40	14.39	15.90
3	256QAM	1	8	14.34	14.38	14.44	15.90
3	256QAM	1	14	14.25	14.47	14.43	15.90
3	256QAM	8	0	14.41	14.30	14.46	15.90
3	256QAM	8	4	14.46	14.44	14.38	15.90
3	256QAM	8	7	14.34	14.50	14.40	15.90
3	256QAM	15	0	14.34	14.50	14.33	15.90
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	14.54	14.55	14.45	15.90
1.4	QPSK	1	3	14.19	14.41	14.35	15.90
1.4	QPSK	1	5	14.37	14.37	14.35	15.90
1.4	QPSK	3	0	14.36	14.49	14.39	15.90
1.4	QPSK	3	1	14.40	14.30	14.37	15.90
1.4	QPSK	3	3	14.40	14.45	14.40	15.90
1.4	QPSK	6	0	14.25	14.47	14.31	15.90
1.4	16QAM	1	0	14.40	14.44	14.43	15.90
1.4	16QAM	1	3	14.37	14.41	14.48	15.90
1.4	16QAM	1	5	14.37	14.40	14.30	15.90
1.4	16QAM	3	0	14.32	14.38	14.24	15.90
1.4	16QAM	3	1	14.43	14.48	14.33	15.90
1.4	16QAM	3	3	14.39	14.30	14.50	15.90
1.4	16QAM	6	0	14.39	14.29	14.30	15.90
1.4	64QAM	1	0	14.21	14.34	14.42	15.90
1.4	64QAM	1	3	14.43	14.45	14.43	15.90
1.4	64QAM	1	5	14.39	14.39	14.33	15.90
1.4	64QAM	3	0	14.35	14.27	14.22	15.90
1.4	64QAM	3	1	14.37	14.42	14.37	15.90
1.4	64QAM	3	3	14.29	14.40	14.40	15.90
1.4	64QAM	6	0	14.32	14.39	14.38	15.90
1.4	256QAM	1	0	14.34	14.36	14.43	15.90
1.4	256QAM	1	3	14.32	14.47	14.38	15.90
1.4	256QAM	1	5	14.32	14.44	14.42	15.90
1.4	256QAM	3	0	14.36	14.35	14.44	15.90
1.4	256QAM	3	1	14.44	14.50	14.33	15.90
1.4	256QAM	3	3	14.34	14.53	14.35	15.90
1.4	256QAM	6	0	14.27	14.51	14.24	15.90



【LTE Band 2_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.16	23.17	23.15	24.00
20	QPSK	1	49	22.89	23.04	22.98	24.00
20	QPSK	1	99	22.93	22.96	22.92	24.00
20	QPSK	50	0	22.14	22.23	22.11	23.00
20	QPSK	50	24	22.12	22.22	22.09	23.00
20	QPSK	50	50	21.98	22.14	22.05	23.00
20	QPSK	100	0	22.05	22.13	22.06	23.00
20	16QAM	1	0	22.28	22.40	22.36	23.00
20	16QAM	1	49	22.25	22.41	22.28	23.00
20	16QAM	1	99	22.15	22.25	22.11	23.00
20	16QAM	50	0	21.11	21.14	21.01	22.00
20	16QAM	50	24	21.12	21.17	21.13	22.00
20	16QAM	50	50	20.95	21.10	21.05	22.00
20	16QAM	100	0	21.07	21.13	21.03	22.00
20	64QAM	1	0	21.22	21.33	21.17	22.00
20	64QAM	1	49	21.18	21.22	21.17	22.00
20	64QAM	1	99	21.17	21.28	21.22	22.00
20	64QAM	50	0	20.27	20.35	20.25	21.00
20	64QAM	50	24	20.21	20.23	20.15	21.00
20	64QAM	50	50	20.08	20.23	20.16	21.00
20	64QAM	100	0	20.07	20.17	20.11	21.00
20	256QAM	1	0	18.03	18.16	18.08	19.00
20	256QAM	1	49	18.21	18.34	18.21	19.00
20	256QAM	1	99	17.90	17.99	17.94	19.00
20	256QAM	50	0	17.97	18.05	18.01	19.00
20	256QAM	50	24	18.03	18.14	18.09	19.00
20	256QAM	50	50	18.08	18.15	18.00	19.00
20	256QAM	100	0	18.06	18.16	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.04	23.10	23.10	24.00
15	QPSK	1	37	22.75	22.90	22.94	24.00
15	QPSK	1	74	22.82	22.90	22.82	24.00
15	QPSK	36	0	22.07	22.17	22.09	23.00
15	QPSK	36	20	22.10	22.14	21.96	23.00
15	QPSK	36	39	21.94	22.06	21.91	23.00
15	QPSK	75	0	21.98	22.01	21.99	23.00
15	16QAM	1	0	22.19	22.38	22.29	23.00
15	16QAM	1	37	22.15	22.35	22.23	23.00
15	16QAM	1	74	22.09	22.19	22.09	23.00
15	16QAM	36	0	20.97	21.02	20.92	22.00
15	16QAM	36	20	21.11	21.13	21.09	22.00
15	16QAM	36	39	20.92	20.96	20.98	22.00
15	16QAM	75	0	21.03	21.07	20.98	22.00
15	64QAM	1	0	21.11	21.30	21.14	22.00
15	64QAM	1	37	21.06	21.14	21.12	22.00
15	64QAM	1	74	21.10	21.23	21.20	22.00
15	64QAM	36	0	20.22	20.31	20.14	21.00
15	64QAM	36	20	20.17	20.10	20.00	21.00
15	64QAM	36	39	20.04	20.21	20.14	21.00
15	64QAM	75	0	20.02	20.03	20.02	21.00
15	256QAM	1	0	17.99	18.05	18.04	19.00
15	256QAM	1	37	18.17	18.27	18.13	19.00
15	256QAM	1	74	17.77	17.88	17.82	19.00
15	256QAM	36	0	17.86	18.03	17.93	19.00
15	256QAM	36	20	17.94	18.08	18.00	19.00
15	256QAM	36	39	17.96	18.12	17.95	19.00
15	256QAM	75	0	17.94	18.08	18.02	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.07	23.10	23.10	24.00
10	QPSK	1	25	22.85	22.91	22.91	24.00
10	QPSK	1	49	22.87	22.89	22.83	24.00
10	QPSK	25	0	22.08	22.15	21.98	23.00
10	QPSK	25	12	22.11	22.15	22.04	23.00
10	QPSK	25	25	21.86	22.04	21.96	23.00
10	QPSK	50	0	21.93	22.01	22.02	23.00
10	16QAM	1	0	22.16	22.26	22.24	23.00
10	16QAM	1	25	22.13	22.39	22.20	23.00
10	16QAM	1	49	22.06	22.15	22.03	23.00
10	16QAM	25	0	21.06	21.04	21.00	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	21.03	21.07	21.03	22.00
10	16QAM	25	25	20.91	21.01	21.01	22.00
10	16QAM	50	0	21.04	20.99	21.01	22.00
10	64QAM	1	0	21.14	21.21	21.09	22.00
10	64QAM	1	25	21.14	21.14	21.14	22.00
10	64QAM	1	49	21.13	21.22	21.07	22.00
10	64QAM	25	0	20.16	20.34	20.24	21.00
10	64QAM	25	12	20.10	20.18	20.07	21.00
10	64QAM	25	25	19.99	20.10	20.04	21.00
10	64QAM	50	0	20.02	20.15	20.02	21.00
10	256QAM	1	0	17.96	18.07	17.94	19.00
10	256QAM	1	25	18.20	18.23	18.18	19.00
10	256QAM	1	49	17.88	17.88	17.84	19.00
10	256QAM	25	0	17.88	18.03	17.93	19.00
10	256QAM	25	12	17.93	18.03	17.96	19.00
10	256QAM	25	25	18.03	18.01	17.88	19.00
10	256QAM	50	0	17.99	18.07	18.03	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.03	23.13	23.14	24.00
5	QPSK	1	12	22.85	23.02	22.90	24.00
5	QPSK	1	24	22.90	22.82	22.85	24.00
5	QPSK	12	0	22.02	22.22	22.00	23.00
5	QPSK	12	7	22.00	22.20	21.96	23.00
5	QPSK	12	13	21.85	22.10	22.02	23.00
5	QPSK	25	0	21.97	22.04	22.01	23.00
5	16QAM	1	0	22.21	22.39	22.33	23.00
5	16QAM	1	12	22.18	22.34	22.16	23.00
5	16QAM	1	24	22.10	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.10	21.00	22.00
5	16QAM	12	7	20.97	21.11	20.99	22.00
5	16QAM	12	13	20.84	20.97	20.94	22.00
5	16QAM	25	0	20.95	21.08	20.92	22.00
5	64QAM	1	0	21.10	21.22	21.05	22.00
5	64QAM	1	12	21.07	21.12	21.04	22.00
5	64QAM	1	24	21.10	21.16	21.13	22.00
5	64QAM	12	0	20.26	20.23	20.12	21.00
5	64QAM	12	7	20.07	20.13	20.06	21.00
5	64QAM	12	13	19.94	20.21	20.09	21.00
5	64QAM	25	0	20.03	20.09	20.10	21.00
5	256QAM	1	0	17.96	18.09	18.07	19.00
5	256QAM	1	12	18.19	18.22	18.17	19.00
5	256QAM	1	24	17.86	17.98	17.90	19.00
5	256QAM	12	0	17.87	18.01	17.94	19.00
5	256QAM	12	7	17.90	18.11	17.95	19.00
5	256QAM	12	13	17.94	18.13	17.99	19.00
5	256QAM	25	0	17.94	18.03	17.94	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	23.03	23.10	23.13	24.00
3	QPSK	1	8	22.78	22.92	22.97	24.00
3	QPSK	1	14	22.87	22.84	22.84	24.00
3	QPSK	8	0	22.05	22.10	22.00	23.00
3	QPSK	8	4	22.08	22.12	22.01	23.00
3	QPSK	8	7	21.96	22.12	22.02	23.00
3	QPSK	15	0	21.97	22.11	21.98	23.00
3	16QAM	1	0	22.26	22.33	22.26	23.00
3	16QAM	1	8	22.23	22.32	22.14	23.00
3	16QAM	1	14	22.09	22.17	22.10	23.00
3	16QAM	8	0	21.07	21.07	20.91	22.00
3	16QAM	8	4	21.00	21.05	21.06	22.00
3	16QAM	8	7	20.90	21.06	20.99	22.00
3	16QAM	15	0	20.94	21.11	21.01	22.00
3	64QAM	1	0	21.12	21.31	21.11	22.00
3	64QAM	1	8	21.08	21.14	21.05	22.00
3	64QAM	1	14	21.12	21.27	21.21	22.00
3	64QAM	8	0	20.17	20.25	20.24	21.00
3	64QAM	8	4	20.17	20.10	20.03	21.00
3	64QAM	8	7	19.94	20.10	20.02	21.00
3	64QAM	15	0	20.00	20.14	20.04	21.00
3	256QAM	1	0	17.95	18.14	17.97	19.00
3	256QAM	1	8	18.09	18.30	18.07	19.00
3	256QAM	1	14	17.83	17.93	17.80	19.00
3	256QAM	8	0	17.91	18.02	17.94	19.00
3	256QAM	8	4	17.98	18.05	18.00	19.00
3	256QAM	8	7	17.99	18.13	17.87	19.00
3	256QAM	15	0	17.99	18.02	17.96	19.00
Channel				18607	18900	19193	Tune-up limit



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

【LTE Band 2_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.66	20.67	20.65	21.50
20	QPSK	1	49	20.22	20.33	20.17	21.50
20	QPSK	1	99	20.51	20.59	20.47	21.50
20	QPSK	50	0	20.55	20.56	20.51	21.50
20	QPSK	50	24	20.27	20.33	20.26	21.50
20	QPSK	50	50	20.27	20.37	20.31	21.50
20	QPSK	100	0	20.47	20.49	20.43	21.50
20	16QAM	1	0	20.46	20.50	20.36	21.50
20	16QAM	1	49	20.29	20.38	20.25	21.50
20	16QAM	1	99	20.56	20.65	20.52	21.50
20	16QAM	50	0	20.52	20.58	20.46	21.50
20	16QAM	50	24	20.32	20.40	20.29	21.50
20	16QAM	50	50	20.33	20.38	20.29	21.50
20	16QAM	100	0	20.50	20.58	20.50	21.50
20	64QAM	1	0	20.35	20.45	20.38	21.50
20	64QAM	1	49	20.45	20.57	20.45	21.50
20	64QAM	1	99	20.37	20.41	20.37	21.50
20	64QAM	50	0	20.27	19.93	20.25	21.00
20	64QAM	50	24	20.21	19.86	20.15	21.00
20	64QAM	50	50	20.08	19.97	20.16	21.00
20	64QAM	100	0	20.07	19.93	20.11	21.00
20	256QAM	1	0	18.03	18.07	18.08	19.00
20	256QAM	1	49	18.21	17.97	18.21	19.00
20	256QAM	1	99	17.90	17.92	17.94	19.00
20	256QAM	50	0	17.97	17.89	18.01	19.00
20	256QAM	50	24	18.03	18.07	18.09	19.00
20	256QAM	50	50	18.08	18.01	18.00	19.00
20	256QAM	100	0	18.06	18.01	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.54	20.55	20.55	21.50
15	QPSK	1	37	20.13	20.32	20.02	21.50
15	QPSK	1	74	20.38	20.45	20.32	21.50
15	QPSK	36	0	20.54	20.48	20.48	21.50
15	QPSK	36	20	20.13	20.32	20.22	21.50
15	QPSK	36	39	20.17	20.25	20.22	21.50
15	QPSK	75	0	20.33	20.39	20.41	21.50



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	20.40	20.37	20.27	21.50
15	16QAM	1	37	20.25	20.28	20.24	21.50
15	16QAM	1	74	20.50	20.58	20.39	21.50
15	16QAM	36	0	20.42	20.51	20.41	21.50
15	16QAM	36	20	20.21	20.27	20.20	21.50
15	16QAM	36	39	20.20	20.28	20.24	21.50
15	16QAM	75	0	20.40	20.52	20.49	21.50
15	64QAM	1	0	20.24	20.39	20.32	21.50
15	64QAM	1	37	20.34	20.54	20.32	21.50
15	64QAM	1	74	20.31	20.32	20.25	21.50
15	64QAM	36	0	20.20	19.79	20.13	21.00
15	64QAM	36	20	20.10	19.72	20.01	21.00
15	64QAM	36	39	20.06	19.84	20.03	21.00
15	64QAM	75	0	20.03	19.90	20.05	21.00
15	256QAM	1	0	17.96	18.05	17.99	19.00
15	256QAM	1	37	18.08	17.95	18.15	19.00
15	256QAM	1	74	17.78	17.83	17.84	19.00
15	256QAM	36	0	17.92	17.84	17.98	19.00
15	256QAM	36	20	17.94	18.05	17.99	19.00
15	256QAM	36	39	18.03	17.90	17.88	19.00
15	256QAM	75	0	17.97	17.96	18.05	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	20.59	20.59	20.52	21.50
10	QPSK	1	25	20.17	20.27	20.14	21.50
10	QPSK	1	49	20.39	20.45	20.38	21.50
10	QPSK	25	0	20.44	20.51	20.48	21.50
10	QPSK	25	12	20.25	20.31	20.15	21.50
10	QPSK	25	25	20.25	20.29	20.17	21.50
10	QPSK	50	0	20.41	20.40	20.33	21.50
10	16QAM	1	0	20.34	20.49	20.25	21.50
10	16QAM	1	25	20.18	20.36	20.12	21.50
10	16QAM	1	49	20.48	20.53	20.39	21.50
10	16QAM	25	0	20.47	20.56	20.31	21.50
10	16QAM	25	12	20.20	20.31	20.15	21.50
10	16QAM	25	25	20.20	20.27	20.22	21.50
10	16QAM	50	0	20.43	20.47	20.45	21.50
10	64QAM	1	0	20.23	20.44	20.30	21.50
10	64QAM	1	25	20.36	20.48	20.30	21.50
10	64QAM	1	49	20.28	20.35	20.28	21.50
10	64QAM	25	0	20.23	19.79	20.11	21.00
10	64QAM	25	12	20.07	19.79	20.10	21.00
10	64QAM	25	25	20.00	19.84	20.12	21.00
10	64QAM	50	0	19.96	19.79	20.01	21.00
10	256QAM	1	0	17.98	18.04	18.00	19.00
10	256QAM	1	25	18.08	17.86	18.16	19.00
10	256QAM	1	49	17.83	17.82	17.89	19.00
10	256QAM	25	0	17.88	17.81	17.96	19.00
10	256QAM	25	12	17.96	17.98	17.98	19.00
10	256QAM	25	25	17.97	17.97	17.85	19.00
10	256QAM	50	0	17.95	17.99	18.00	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	20.57	20.59	20.56	21.50
5	QPSK	1	12	20.15	20.29	20.09	21.50
5	QPSK	1	24	20.50	20.57	20.36	21.50
5	QPSK	12	0	20.47	20.48	20.44	21.50
5	QPSK	12	7	20.15	20.25	20.19	21.50
5	QPSK	12	13	20.23	20.28	20.27	21.50
5	QPSK	25	0	20.42	20.34	20.35	21.50
5	16QAM	1	0	20.35	20.37	20.32	21.50
5	16QAM	1	12	20.24	20.28	20.13	21.50
5	16QAM	1	24	20.54	20.61	20.48	21.50
5	16QAM	12	0	20.43	20.50	20.42	21.50
5	16QAM	12	7	20.27	20.29	20.26	21.50
5	16QAM	12	13	20.31	20.25	20.16	21.50
5	16QAM	25	0	20.44	20.48	20.46	21.50
5	64QAM	1	0	20.21	20.32	20.25	21.50
5	64QAM	1	12	20.42	20.47	20.34	21.50
5	64QAM	1	24	20.26	20.34	20.33	21.50
5	64QAM	12	0	20.26	19.90	20.24	21.00
5	64QAM	12	7	20.09	19.80	20.05	21.00
5	64QAM	12	13	19.95	19.82	20.10	21.00
5	64QAM	25	0	19.96	19.79	20.04	21.00
5	256QAM	1	0	17.92	18.01	17.94	19.00
5	256QAM	1	12	18.18	17.83	18.15	19.00
5	256QAM	1	24	17.85	17.88	17.83	19.00
5	256QAM	12	0	17.90	17.85	17.99	19.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	17.95	17.98	17.94	19.00
5	256QAM	12	13	17.94	18.00	17.99	19.00
5	256QAM	25	0	17.97	17.94	18.06	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.64	20.60	20.62	21.50
3	QPSK	1	8	20.10	20.29	20.13	21.50
3	QPSK	1	14	20.44	20.56	20.39	21.50
3	QPSK	8	0	20.47	20.44	20.46	21.50
3	QPSK	8	4	20.21	20.21	20.15	21.50
3	QPSK	8	7	20.17	20.35	20.26	21.50
3	QPSK	15	0	20.34	20.47	20.38	21.50
3	16QAM	1	0	20.44	20.35	20.28	21.50
3	16QAM	1	8	20.26	20.31	20.18	21.50
3	16QAM	1	14	20.46	20.62	20.51	21.50
3	16QAM	8	0	20.46	20.45	20.32	21.50
3	16QAM	8	4	20.30	20.28	20.16	21.50
3	16QAM	8	7	20.19	20.29	20.20	21.50
3	16QAM	15	0	20.47	20.54	20.39	21.50
3	64QAM	1	0	20.30	20.43	20.31	21.50
3	64QAM	1	8	20.39	20.51	20.32	21.50
3	64QAM	1	14	20.34	20.37	20.31	21.50
3	64QAM	8	0	20.13	19.82	20.21	21.00
3	64QAM	8	4	20.19	19.79	20.10	21.00
3	64QAM	8	7	19.94	19.89	20.04	21.00
3	64QAM	15	0	20.01	19.80	20.09	21.00
3	256QAM	1	0	17.90	18.05	17.97	19.00
3	256QAM	1	8	18.09	17.84	18.12	19.00
3	256QAM	1	14	17.82	17.88	17.85	19.00
3	256QAM	8	0	17.91	17.87	17.91	19.00
3	256QAM	8	4	17.92	18.01	17.95	19.00
3	256QAM	8	7	17.95	17.99	17.90	19.00
3	256QAM	15	0	17.97	17.97	18.03	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.58	20.62	20.63	21.50
1.4	QPSK	1	3	20.18	20.19	20.12	21.50
1.4	QPSK	1	5	20.47	20.54	20.41	21.50
1.4	QPSK	3	0	20.48	20.48	20.50	21.50
1.4	QPSK	3	1	20.18	20.30	20.18	21.50
1.4	QPSK	3	3	20.22	20.25	20.24	21.50
1.4	QPSK	6	0	20.35	20.41	20.36	21.50
1.4	16QAM	1	0	20.41	20.36	20.34	21.50
1.4	16QAM	1	3	20.14	20.33	20.23	21.50
1.4	16QAM	1	5	20.50	20.51	20.39	21.50
1.4	16QAM	3	0	20.38	20.49	20.35	21.50
1.4	16QAM	3	1	20.21	20.38	20.18	21.50
1.4	16QAM	3	3	20.19	20.25	20.25	21.50
1.4	16QAM	6	0	20.45	20.50	20.35	21.50
1.4	64QAM	1	0	20.32	20.40	20.31	21.50
1.4	64QAM	1	3	20.34	20.54	20.42	21.50
1.4	64QAM	1	5	20.27	20.31	20.31	21.50
1.4	64QAM	3	0	20.62	20.28	20.68	21.50
1.4	64QAM	3	1	20.68	20.24	20.51	21.50
1.4	64QAM	3	3	20.55	20.37	20.56	21.50
1.4	64QAM	6	0	20.02	19.90	20.03	21.00
1.4	256QAM	1	0	18.00	17.92	18.06	19.00
1.4	256QAM	1	3	18.15	17.84	18.14	19.00
1.4	256QAM	1	5	17.85	17.91	17.90	19.00
1.4	256QAM	3	0	17.84	17.75	17.97	19.00
1.4	256QAM	3	1	18.00	17.99	18.02	19.00
1.4	256QAM	3	3	18.01	17.87	17.86	19.00
1.4	256QAM	6	0	18.03	17.90	18.02	19.00

【LTE Band 2_Ant 3_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.90	17.95	17.82	19.10
20	QPSK	1	49	17.61	17.69	17.47	19.10
20	QPSK	1	99	17.72	17.85	17.67	19.10
20	QPSK	50	0	17.82	17.88	17.85	19.10
20	QPSK	50	24	17.70	17.78	17.63	19.10
20	QPSK	50	50	17.55	17.68	17.42	19.10
20	QPSK	100	0	17.71	17.86	17.63	19.10
20	16QAM	1	0	17.45	17.63	17.40	19.10
20	16QAM	1	49	17.68	17.75	17.58	19.10
20	16QAM	1	99	17.60	17.66	17.47	19.10
20	16QAM	50	0	17.61	17.79	17.58	19.10
20	16QAM	50	24	17.64	17.73	17.58	19.10
20	16QAM	50	50	17.73	17.81	17.66	19.10
20	16QAM	100	0	17.56	17.66	17.41	19.10
20	64QAM	1	0	17.50	17.67	17.50	19.10
20	64QAM	1	49	17.58	17.66	17.50	19.10
20	64QAM	1	99	17.64	17.74	17.56	19.10
20	64QAM	50	0	17.65	17.84	17.62	19.10
20	64QAM	50	24	17.56	17.67	17.40	19.10
20	64QAM	50	50	17.67	17.84	17.69	19.10
20	64QAM	100	0	17.73	17.85	17.64	19.10
20	256QAM	1	0	17.77	17.84	17.64	19.00
20	256QAM	1	49	17.61	17.75	17.58	19.00
20	256QAM	1	99	17.69	17.75	17.58	19.00
20	256QAM	50	0	17.45	17.64	17.39	19.00
20	256QAM	50	24	17.62	17.82	17.55	19.00
20	256QAM	50	50	17.59	17.70	17.52	19.00
20	256QAM	100	0	17.49	17.67	17.49	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.79	17.93	17.68	19.10
15	QPSK	1	37	17.50	17.64	17.43	19.10
15	QPSK	1	74	17.67	17.78	17.55	19.10
15	QPSK	36	0	17.75	17.79	17.73	19.10
15	QPSK	36	20	17.69	17.70	17.51	19.10
15	QPSK	36	39	17.46	17.54	17.34	19.10
15	QPSK	75	0	17.66	17.75	17.59	19.10
15	16QAM	1	0	17.38	17.54	17.35	19.10
15	16QAM	1	37	17.63	17.73	17.48	19.10
15	16QAM	1	74	17.56	17.59	17.38	19.10
15	16QAM	36	0	17.55	17.75	17.44	19.10
15	16QAM	36	20	17.61	17.61	17.56	19.10
15	16QAM	36	39	17.64	17.69	17.59	19.10
15	16QAM	75	0	17.48	17.55	17.34	19.10
15	64QAM	1	0	17.43	17.60	17.43	19.10
15	64QAM	1	37	17.47	17.57	17.39	19.10
15	64QAM	1	74	17.50	17.72	17.55	19.10
15	64QAM	36	0	17.60	17.82	17.57	19.10
15	64QAM	36	20	17.51	17.63	17.35	19.10
15	64QAM	36	39	17.62	17.82	17.58	19.10
15	64QAM	75	0	17.66	17.73	17.58	19.10
15	256QAM	1	0	17.71	17.76	17.51	19.00
15	256QAM	1	37	17.57	17.64	17.56	19.00
15	256QAM	1	74	17.61	17.72	17.48	19.00
15	256QAM	36	0	17.38	17.56	17.26	19.00
15	256QAM	36	20	17.50	17.75	17.51	19.00
15	256QAM	36	39	17.45	17.60	17.48	19.00
15	256QAM	75	0	17.35	17.64	17.42	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	17.86	17.89	17.78	19.10
10	QPSK	1	25	17.59	17.67	17.45	19.10
10	QPSK	1	49	17.57	17.83	17.55	19.10
10	QPSK	25	0	17.73	17.83	17.73	19.10
10	QPSK	25	12	17.59	17.68	17.60	19.10
10	QPSK	25	25	17.42	17.56	17.31	19.10
10	QPSK	50	0	17.68	17.71	17.60	19.10
10	16QAM	1	0	17.34	17.55	17.32	19.10
10	16QAM	1	25	17.61	17.67	17.49	19.10
10	16QAM	1	49	17.48	17.55	17.34	19.10
10	16QAM	25	0	17.54	17.73	17.56	19.10



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	17.60	17.64	17.47	19.10
10	16QAM	25	25	17.69	17.73	17.54	19.10
10	16QAM	50	0	17.47	17.55	17.29	19.10
10	64QAM	1	0	17.46	17.58	17.45	19.10
10	64QAM	1	25	17.49	17.54	17.43	19.10
10	64QAM	1	49	17.59	17.70	17.41	19.10
10	64QAM	25	0	17.61	17.82	17.59	19.10
10	64QAM	25	12	17.51	17.54	17.29	19.10
10	64QAM	25	25	17.64	17.78	17.65	19.10
10	64QAM	50	0	17.61	17.71	17.60	19.10
10	256QAM	1	0	17.71	17.77	17.63	19.00
10	256QAM	1	25	17.52	17.67	17.45	19.00
10	256QAM	1	49	17.56	17.61	17.51	19.00
10	256QAM	25	0	17.32	17.58	17.29	19.00
10	256QAM	25	12	17.55	17.80	17.47	19.00
10	256QAM	25	25	17.51	17.68	17.49	19.00
10	256QAM	50	0	17.45	17.60	17.45	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	17.78	17.91	17.69	19.10
5	QPSK	1	12	17.58	17.60	17.36	19.10
5	QPSK	1	24	17.61	17.79	17.66	19.10
5	QPSK	12	0	17.78	17.83	17.75	19.10
5	QPSK	12	7	17.65	17.67	17.51	19.10
5	QPSK	12	13	17.45	17.61	17.39	19.10
5	QPSK	25	0	17.62	17.79	17.54	19.10
5	16QAM	1	0	17.33	17.55	17.27	19.10
5	16QAM	1	12	17.59	17.70	17.48	19.10
5	16QAM	1	24	17.58	17.52	17.39	19.10
5	16QAM	12	0	17.52	17.73	17.48	19.10
5	16QAM	12	7	17.60	17.63	17.45	19.10
5	16QAM	12	13	17.69	17.74	17.52	19.10
5	16QAM	25	0	17.43	17.63	17.33	19.10
5	64QAM	1	0	17.48	17.60	17.44	19.10
5	64QAM	1	12	17.45	17.54	17.41	19.10
5	64QAM	1	24	17.63	17.65	17.49	19.10
5	64QAM	12	0	17.51	17.77	17.59	19.10
5	64QAM	12	7	17.47	17.63	17.31	19.10
5	64QAM	12	13	17.58	17.77	17.62	19.10
5	64QAM	25	0	17.69	17.79	17.59	19.10
5	256QAM	1	0	17.71	17.82	17.50	19.00
5	256QAM	1	12	17.46	17.65	17.52	19.00
5	256QAM	1	24	17.63	17.65	17.49	19.00
5	256QAM	12	0	17.41	17.54	17.38	19.00
5	256QAM	12	7	17.51	17.73	17.42	19.00
5	256QAM	12	13	17.56	17.68	17.49	19.00
5	256QAM	25	0	17.39	17.52	17.44	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	17.77	17.84	17.79	19.10
3	QPSK	1	8	17.55	17.66	17.40	19.10
3	QPSK	1	14	17.69	17.71	17.59	19.10
3	QPSK	8	0	17.72	17.73	17.79	19.10
3	QPSK	8	4	17.62	17.64	17.50	19.10
3	QPSK	8	7	17.53	17.55	17.34	19.10
3	QPSK	15	0	17.68	17.78	17.60	19.10
3	16QAM	1	0	17.31	17.53	17.37	19.10
3	16QAM	1	8	17.65	17.62	17.43	19.10
3	16QAM	1	14	17.57	17.64	17.34	19.10
3	16QAM	8	0	17.55	17.72	17.49	19.10
3	16QAM	8	4	17.55	17.67	17.50	19.10
3	16QAM	8	7	17.61	17.75	17.58	19.10
3	16QAM	15	0	17.46	17.53	17.29	19.10
3	64QAM	1	0	17.46	17.64	17.37	19.10
3	64QAM	1	8	17.55	17.60	17.42	19.10
3	64QAM	1	14	17.53	17.70	17.47	19.10
3	64QAM	8	0	17.64	17.74	17.48	19.10
3	64QAM	8	4	17.49	17.58	17.31	19.10
3	64QAM	8	7	17.53	17.82	17.61	19.10
3	64QAM	15	0	17.69	17.77	17.62	19.10
3	256QAM	1	0	17.66	17.70	17.56	19.00
3	256QAM	1	8	17.54	17.70	17.46	19.00
3	256QAM	1	14	17.62	17.63	17.54	19.00
3	256QAM	8	0	17.34	17.56	17.31	19.00
3	256QAM	8	4	17.57	17.68	17.47	19.00
3	256QAM	8	7	17.53	17.58	17.42	19.00
3	256QAM	15	0	17.40	17.53	17.35	19.00
Channel				18607	18900	19193	Tune-up limit



Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	17.79	17.82	17.68	19.10
1.4	QPSK	1	3	17.47	17.67	17.32	19.10
1.4	QPSK	1	5	17.68	17.84	17.61	19.10
1.4	QPSK	3	0	17.69	17.83	17.74	19.10
1.4	QPSK	3	1	17.67	17.69	17.54	19.10
1.4	QPSK	3	3	17.52	17.54	17.36	19.10
1.4	QPSK	6	0	17.60	17.74	17.55	19.10
1.4	16QAM	1	0	17.33	17.61	17.26	19.10
1.4	16QAM	1	3	17.64	17.62	17.56	19.10
1.4	16QAM	1	5	17.48	17.65	17.39	19.10
1.4	16QAM	3	0	17.53	17.78	17.56	19.10
1.4	16QAM	3	1	17.50	17.66	17.47	19.10
1.4	16QAM	3	3	17.70	17.79	17.63	19.10
1.4	16QAM	6	0	17.53	17.55	17.27	19.10
1.4	64QAM	1	0	17.42	17.59	17.39	19.10
1.4	64QAM	1	3	17.52	17.53	17.37	19.10
1.4	64QAM	1	5	17.49	17.71	17.55	19.10
1.4	64QAM	3	0	17.59	17.70	17.48	19.10
1.4	64QAM	3	1	17.54	17.57	17.39	19.10
1.4	64QAM	3	3	17.62	17.73	17.57	19.10
1.4	64QAM	6	0	17.59	17.73	17.60	19.10
1.4	256QAM	1	0	17.62	17.79	17.54	19.00
1.4	256QAM	1	3	17.54	17.73	17.49	19.00
1.4	256QAM	1	5	17.60	17.64	17.44	19.00
1.4	256QAM	3	0	17.36	17.54	17.26	19.00
1.4	256QAM	3	1	17.56	17.74	17.51	19.00
1.4	256QAM	3	3	17.52	17.69	17.40	19.00
1.4	256QAM	6	0	17.43	17.62	17.48	19.00

【LTE Band 2_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.16	23.17	23.15	24.00
20	QPSK	1	49	22.89	23.04	22.98	24.00
20	QPSK	1	99	22.93	22.96	22.92	24.00
20	QPSK	50	0	22.14	22.23	22.11	23.00
20	QPSK	50	24	22.12	22.22	22.09	23.00
20	QPSK	50	50	21.98	22.14	22.05	23.00
20	QPSK	100	0	22.05	22.13	22.06	23.00
20	16QAM	1	0	22.28	22.40	22.36	23.00
20	16QAM	1	49	22.25	22.41	22.28	23.00
20	16QAM	1	99	22.15	22.25	22.11	23.00
20	16QAM	50	0	21.11	21.14	21.01	22.00
20	16QAM	50	24	21.12	21.17	21.13	22.00
20	16QAM	50	50	20.95	21.10	21.05	22.00
20	16QAM	100	0	21.07	21.13	21.03	22.00
20	64QAM	1	0	21.22	21.33	21.17	22.00
20	64QAM	1	49	21.18	21.22	21.17	22.00
20	64QAM	1	99	21.17	21.28	21.22	22.00
20	64QAM	50	0	20.27	20.35	20.25	21.00
20	64QAM	50	24	20.21	20.23	20.15	21.00
20	64QAM	50	50	20.08	20.23	20.16	21.00
20	64QAM	100	0	20.07	20.17	20.11	21.00
20	256QAM	1	0	18.03	18.16	18.08	19.00
20	256QAM	1	49	18.21	18.34	18.21	19.00
20	256QAM	1	99	17.90	17.99	17.94	19.00
20	256QAM	50	0	17.97	18.05	18.01	19.00
20	256QAM	50	24	18.03	18.14	18.09	19.00
20	256QAM	50	50	18.08	18.15	18.00	19.00
20	256QAM	100	0	18.06	18.16	18.08	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.04	23.10	23.10	24.00
15	QPSK	1	37	22.75	22.90	22.94	24.00
15	QPSK	1	74	22.82	22.90	22.82	24.00
15	QPSK	36	0	22.07	22.17	22.09	23.00
15	QPSK	36	20	22.10	22.14	21.96	23.00
15	QPSK	36	39	21.94	22.06	21.91	23.00
15	QPSK	75	0	21.98	22.01	21.99	23.00



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	22.19	22.38	22.29	23.00
15	16QAM	1	37	22.15	22.35	22.23	23.00
15	16QAM	1	74	22.09	22.19	22.09	23.00
15	16QAM	36	0	20.97	21.02	20.92	22.00
15	16QAM	36	20	21.11	21.13	21.09	22.00
15	16QAM	36	39	20.92	20.96	20.98	22.00
15	16QAM	75	0	21.03	21.07	20.98	22.00
15	64QAM	1	0	21.11	21.30	21.14	22.00
15	64QAM	1	37	21.06	21.14	21.12	22.00
15	64QAM	1	74	21.10	21.23	21.20	22.00
15	64QAM	36	0	20.22	20.31	20.14	21.00
15	64QAM	36	20	20.17	20.10	20.00	21.00
15	64QAM	36	39	20.04	20.21	20.14	21.00
15	64QAM	75	0	20.02	20.03	20.02	21.00
15	256QAM	1	0	17.99	18.05	18.04	19.00
15	256QAM	1	37	18.17	18.27	18.13	19.00
15	256QAM	1	74	17.77	17.88	17.82	19.00
15	256QAM	36	0	17.86	18.03	17.93	19.00
15	256QAM	36	20	17.94	18.08	18.00	19.00
15	256QAM	36	39	17.96	18.12	17.95	19.00
15	256QAM	75	0	17.94	18.08	18.02	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	23.07	23.10	23.10	24.00
10	QPSK	1	25	22.85	22.91	22.91	24.00
10	QPSK	1	49	22.87	22.89	22.83	24.00
10	QPSK	25	0	22.08	22.15	21.98	23.00
10	QPSK	25	12	22.11	22.15	22.04	23.00
10	QPSK	25	25	21.86	22.04	21.96	23.00
10	QPSK	50	0	21.93	22.01	22.02	23.00
10	16QAM	1	0	22.16	22.26	22.24	23.00
10	16QAM	1	25	22.13	22.39	22.20	23.00
10	16QAM	1	49	22.06	22.15	22.03	23.00
10	16QAM	25	0	21.06	21.04	21.00	22.00
10	16QAM	25	12	21.03	21.07	21.03	22.00
10	16QAM	25	25	20.91	21.01	21.01	22.00
10	16QAM	50	0	21.04	20.99	21.01	22.00
10	64QAM	1	0	21.14	21.21	21.09	22.00
10	64QAM	1	25	21.14	21.14	21.14	22.00
10	64QAM	1	49	21.13	21.22	21.07	22.00
10	64QAM	25	0	20.16	20.34	20.24	21.00
10	64QAM	25	12	20.10	20.18	20.07	21.00
10	64QAM	25	25	19.99	20.10	20.04	21.00
10	64QAM	50	0	20.02	20.15	20.02	21.00
10	256QAM	1	0	17.96	18.07	17.94	19.00
10	256QAM	1	25	18.20	18.23	18.18	19.00
10	256QAM	1	49	17.88	17.88	17.84	19.00
10	256QAM	25	0	17.88	18.03	17.93	19.00
10	256QAM	25	12	17.93	18.03	17.96	19.00
10	256QAM	25	25	18.03	18.01	17.88	19.00
10	256QAM	50	0	17.99	18.07	18.03	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	23.03	23.13	23.14	24.00
5	QPSK	1	12	22.85	23.02	22.90	24.00
5	QPSK	1	24	22.90	22.82	22.85	24.00
5	QPSK	12	0	22.02	22.22	22.00	23.00
5	QPSK	12	7	22.00	22.20	21.96	23.00
5	QPSK	12	13	21.85	22.10	22.02	23.00
5	QPSK	25	0	21.97	22.04	22.01	23.00
5	16QAM	1	0	22.21	22.39	22.33	23.00
5	16QAM	1	12	22.18	22.34	22.16	23.00
5	16QAM	1	24	22.10	22.17	22.02	23.00
5	16QAM	12	0	21.02	21.10	21.00	22.00
5	16QAM	12	7	20.97	21.11	20.99	22.00
5	16QAM	12	13	20.84	20.97	20.94	22.00
5	16QAM	25	0	20.95	21.08	20.92	22.00
5	64QAM	1	0	21.10	21.22	21.05	22.00
5	64QAM	1	12	21.07	21.12	21.04	22.00
5	64QAM	1	24	21.10	21.16	21.13	22.00
5	64QAM	12	0	20.26	20.23	20.12	21.00
5	64QAM	12	7	20.07	20.13	20.06	21.00
5	64QAM	12	13	19.94	20.21	20.09	21.00
5	64QAM	25	0	20.03	20.09	20.10	21.00
5	256QAM	1	0	17.96	18.09	18.07	19.00
5	256QAM	1	12	18.19	18.22	18.17	19.00
5	256QAM	1	24	17.86	17.98	17.90	19.00
5	256QAM	12	0	17.87	18.01	17.94	19.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	17.90	18.11	17.95	19.00
5	256QAM	12	13	17.94	18.13	17.99	19.00
5	256QAM	25	0	17.94	18.03	17.94	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.03	23.10	23.13	24.00
3	QPSK	1	8	22.78	22.92	22.97	24.00
3	QPSK	1	14	22.87	22.84	22.84	24.00
3	QPSK	8	0	22.05	22.10	22.00	23.00
3	QPSK	8	4	22.08	22.12	22.01	23.00
3	QPSK	8	7	21.96	22.12	22.02	23.00
3	QPSK	15	0	21.97	22.11	21.98	23.00
3	16QAM	1	0	22.26	22.33	22.26	23.00
3	16QAM	1	8	22.23	22.32	22.14	23.00
3	16QAM	1	14	22.09	22.17	22.10	23.00
3	16QAM	8	0	21.07	21.07	20.91	22.00
3	16QAM	8	4	21.00	21.05	21.06	22.00
3	16QAM	8	7	20.90	21.06	20.99	22.00
3	16QAM	15	0	20.94	21.11	21.01	22.00
3	64QAM	1	0	21.12	21.31	21.11	22.00
3	64QAM	1	8	21.08	21.14	21.05	22.00
3	64QAM	1	14	21.12	21.27	21.21	22.00
3	64QAM	8	0	20.17	20.25	20.24	21.00
3	64QAM	8	4	20.17	20.10	20.03	21.00
3	64QAM	8	7	19.94	20.10	20.02	21.00
3	64QAM	15	0	20.00	20.14	20.04	21.00
3	256QAM	1	0	17.95	18.14	17.97	19.00
3	256QAM	1	8	18.09	18.30	18.07	19.00
3	256QAM	1	14	17.83	17.93	17.80	19.00
3	256QAM	8	0	17.91	18.02	17.94	19.00
3	256QAM	8	4	17.98	18.05	18.00	19.00
3	256QAM	8	7	17.99	18.13	17.87	19.00
3	256QAM	15	0	17.99	18.02	17.96	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.15	23.12	23.13	24.00
1.4	QPSK	1	3	22.75	22.93	22.95	24.00
1.4	QPSK	1	5	22.80	22.94	22.88	24.00
1.4	QPSK	3	0	23.03	23.12	23.04	24.00
1.4	QPSK	3	1	23.01	23.14	23.08	24.00
1.4	QPSK	3	3	22.86	23.09	22.90	24.00
1.4	QPSK	6	0	21.91	22.03	22.02	23.00
1.4	16QAM	1	0	22.18	22.30	22.26	23.00
1.4	16QAM	1	3	22.11	22.35	22.16	23.00
1.4	16QAM	1	5	22.10	22.17	22.03	23.00
1.4	16QAM	3	0	22.01	22.07	21.93	23.00
1.4	16QAM	3	1	21.99	22.09	22.01	23.00
1.4	16QAM	3	3	21.89	22.03	21.91	23.00
1.4	16QAM	6	0	20.95	21.06	21.02	22.00
1.4	64QAM	1	0	21.21	21.30	21.04	22.00
1.4	64QAM	1	3	21.06	21.15	21.04	22.00
1.4	64QAM	1	5	21.10	21.16	21.07	22.00
1.4	64QAM	3	0	21.16	21.29	21.11	22.00
1.4	64QAM	3	1	21.18	21.16	21.05	22.00
1.4	64QAM	3	3	20.99	21.13	21.02	22.00
1.4	64QAM	6	0	19.94	20.13	20.07	21.00
1.4	256QAM	1	0	17.92	18.14	17.97	19.00
1.4	256QAM	1	3	18.14	18.29	18.12	19.00
1.4	256QAM	1	5	17.77	17.94	17.83	19.00
1.4	256QAM	3	0	17.91	17.92	17.99	19.00
1.4	256QAM	3	1	17.88	18.11	17.97	19.00
1.4	256QAM	3	3	18.05	18.14	17.98	19.00
1.4	256QAM	6	0	17.97	18.11	18.07	19.00

【LTE Band 2_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.38	21.40	21.36	22.50
20	QPSK	1	49	21.20	21.24	21.16	22.50
20	QPSK	1	99	21.02	21.15	21.09	22.50
20	QPSK	50	0	21.20	21.27	21.22	22.50
20	QPSK	50	24	21.09	21.25	21.09	22.50
20	QPSK	50	50	21.14	21.21	21.13	22.50
20	QPSK	100	0	21.15	21.18	21.16	22.50
20	16QAM	1	0	21.02	21.19	21.13	22.50
20	16QAM	1	49	20.96	21.08	20.97	22.50
20	16QAM	1	99	20.98	21.15	20.98	22.50
20	16QAM	50	0	21.00	21.11	21.02	22.00
20	16QAM	50	24	21.17	21.26	21.18	22.00
20	16QAM	50	50	21.06	21.18	21.12	22.00
20	16QAM	100	0	21.14	21.24	21.07	22.00
20	64QAM	1	0	21.04	21.11	20.94	22.00
20	64QAM	1	49	21.26	21.31	21.16	22.00
20	64QAM	1	99	21.09	21.22	21.05	22.00
20	64QAM	50	0	20.54	20.60	20.54	21.00
20	64QAM	50	24	20.69	20.76	20.63	21.00
20	64QAM	50	50	20.55	20.61	20.53	21.00
20	64QAM	100	0	20.52	20.63	20.56	21.00
20	256QAM	1	0	18.56	18.63	18.46	19.00
20	256QAM	1	49	18.49	18.59	18.46	19.00
20	256QAM	1	99	18.51	18.66	18.58	19.00
20	256QAM	50	0	18.76	18.80	18.67	19.00
20	256QAM	50	24	18.73	18.80	18.67	19.00
20	256QAM	50	50	18.61	18.65	18.55	19.00
20	256QAM	100	0	18.61	18.77	18.66	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.37	21.38	21.23	22.50
15	QPSK	1	37	21.13	21.11	21.14	22.50
15	QPSK	1	74	20.95	21.13	21.02	22.50
15	QPSK	36	0	21.17	21.13	21.20	22.50
15	QPSK	36	20	20.96	21.13	21.04	22.50
15	QPSK	36	39	21.05	21.18	21.09	22.50
15	QPSK	75	0	21.12	21.13	21.04	22.50
15	16QAM	1	0	21.00	21.15	21.02	22.50
15	16QAM	1	37	20.95	20.96	20.89	22.50
15	16QAM	1	74	20.89	21.11	20.87	22.50
15	16QAM	36	0	20.94	21.10	20.94	22.00
15	16QAM	36	20	21.02	21.19	21.11	22.00
15	16QAM	36	39	21.01	21.05	21.07	22.00
15	16QAM	75	0	21.00	21.11	21.01	22.00
15	64QAM	1	0	21.02	21.03	20.87	22.00
15	64QAM	1	37	21.12	21.17	21.03	22.00
15	64QAM	1	74	21.05	21.07	20.98	22.00
15	64QAM	36	0	20.45	20.52	20.46	21.00
15	64QAM	36	20	20.67	20.64	20.62	21.00
15	64QAM	36	39	20.41	20.60	20.49	21.00
15	64QAM	75	0	20.42	20.61	20.45	21.00
15	256QAM	1	0	18.51	18.54	18.32	19.00
15	256QAM	1	37	18.42	18.54	18.40	19.00
15	256QAM	1	74	18.47	18.53	18.46	19.00
15	256QAM	36	0	18.63	18.71	18.65	19.00
15	256QAM	36	20	18.61	18.69	18.58	19.00
15	256QAM	36	39	18.57	18.63	18.43	19.00
15	256QAM	75	0	18.49	18.62	18.52	19.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.33	21.33	21.24	22.50
10	QPSK	1	25	21.18	21.17	21.15	22.50
10	QPSK	1	49	21.00	21.10	21.04	22.50
10	QPSK	25	0	21.07	21.14	21.07	22.50
10	QPSK	25	12	21.07	21.18	20.98	22.50
10	QPSK	25	25	21.00	21.20	21.12	22.50
10	QPSK	50	0	21.02	21.07	21.14	22.50
10	16QAM	1	0	20.94	21.06	21.08	22.50
10	16QAM	1	25	20.83	20.95	20.84	22.50
10	16QAM	1	49	20.92	21.02	20.92	22.50
10	16QAM	25	0	20.89	20.97	20.91	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	21.04	21.14	21.04	22.00
10	16QAM	25	25	21.02	21.07	21.07	22.00
10	16QAM	50	0	21.07	21.22	20.96	22.00
10	64QAM	1	0	21.02	20.99	20.88	22.00
10	64QAM	1	25	21.25	21.16	21.11	22.00
10	64QAM	1	49	21.03	21.18	21.02	22.00
10	64QAM	25	0	20.48	20.50	20.45	21.00
10	64QAM	25	12	20.65	20.67	20.51	21.00
10	64QAM	25	25	20.51	20.55	20.51	21.00
10	64QAM	50	0	20.50	20.48	20.47	21.00
10	256QAM	1	0	18.43	18.50	18.44	19.00
10	256QAM	1	25	18.47	18.49	18.31	19.00
10	256QAM	1	49	18.36	18.54	18.53	19.00
10	256QAM	25	0	18.61	18.72	18.57	19.00
10	256QAM	25	12	18.65	18.68	18.59	19.00
10	256QAM	25	25	18.49	18.51	18.47	19.00
10	256QAM	50	0	18.52	18.66	18.58	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.27	21.26	21.33	22.50
5	QPSK	1	12	21.13	21.09	21.10	22.50
5	QPSK	1	24	20.95	21.01	21.08	22.50
5	QPSK	12	0	21.17	21.15	21.18	22.50
5	QPSK	12	7	21.08	21.15	21.04	22.50
5	QPSK	12	13	21.08	21.20	21.08	22.50
5	QPSK	25	0	21.07	21.10	21.12	22.50
5	16QAM	1	0	21.01	21.16	20.99	22.50
5	16QAM	1	12	20.82	21.04	20.84	22.50
5	16QAM	1	24	20.96	21.14	20.87	22.50
5	16QAM	12	0	20.99	21.02	20.93	22.00
5	16QAM	12	7	21.10	21.14	21.13	22.00
5	16QAM	12	13	21.00	21.03	21.06	22.00
5	16QAM	25	0	21.11	21.20	20.94	22.00
5	64QAM	1	0	20.99	21.09	20.87	22.00
5	64QAM	1	12	21.25	21.16	21.07	22.00
5	64QAM	1	24	21.02	21.07	20.92	22.00
5	64QAM	12	0	20.53	20.57	20.47	21.00
5	64QAM	12	7	20.61	20.66	20.53	21.00
5	64QAM	12	13	20.47	20.56	20.39	21.00
5	64QAM	25	0	20.48	20.49	20.41	21.00
5	256QAM	1	0	18.52	18.59	18.32	19.00
5	256QAM	1	12	18.42	18.52	18.41	19.00
5	256QAM	1	24	18.44	18.63	18.51	19.00
5	256QAM	12	0	18.65	18.71	18.52	19.00
5	256QAM	12	7	18.62	18.77	18.56	19.00
5	256QAM	12	13	18.55	18.61	18.42	19.00
5	256QAM	25	0	18.50	18.75	18.64	19.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.25	21.28	21.28	22.50
3	QPSK	1	8	21.07	21.16	21.01	22.50
3	QPSK	1	14	20.97	21.13	20.96	22.50
3	QPSK	8	0	21.10	21.25	21.21	22.50
3	QPSK	8	4	20.95	21.12	20.96	22.50
3	QPSK	8	7	21.02	21.11	21.04	22.50
3	QPSK	15	0	21.02	21.04	21.13	22.50
3	16QAM	1	0	20.98	21.17	21.10	22.50
3	16QAM	1	8	20.90	21.00	20.86	22.50
3	16QAM	1	14	20.94	21.01	20.90	22.50
3	16QAM	8	0	20.93	21.03	20.97	22.00
3	16QAM	8	4	21.07	21.16	21.08	22.00
3	16QAM	8	7	20.93	21.09	21.01	22.00
3	16QAM	15	0	21.07	21.13	20.95	22.00
3	64QAM	1	0	20.90	21.08	20.80	22.00
3	64QAM	1	8	21.15	21.20	21.09	22.00
3	64QAM	1	14	21.03	21.18	20.97	22.00
3	64QAM	8	0	20.42	20.57	20.41	21.00
3	64QAM	8	4	20.68	20.69	20.61	21.00
3	64QAM	8	7	20.51	20.47	20.51	21.00
3	64QAM	15	0	20.46	20.51	20.51	21.00
3	256QAM	1	0	18.52	18.54	18.31	19.00
3	256QAM	1	8	18.35	18.45	18.44	19.00
3	256QAM	1	14	18.41	18.63	18.45	19.00
3	256QAM	8	0	18.65	18.71	18.58	19.00
3	256QAM	8	4	18.71	18.72	18.56	19.00
3	256QAM	8	7	18.54	18.61	18.45	19.00
3	256QAM	15	0	18.49	18.70	18.58	19.00
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.24	21.39	21.27	22.50
1.4	QPSK	1	3	21.16	21.20	21.10	22.50
1.4	QPSK	1	5	20.91	21.04	21.00	22.50
1.4	QPSK	3	0	21.10	21.22	21.19	22.50
1.4	QPSK	3	1	20.95	21.23	20.96	22.50
1.4	QPSK	3	3	21.11	21.13	21.07	22.50
1.4	QPSK	6	0	21.04	21.05	21.14	22.50
1.4	16QAM	1	0	20.93	21.09	21.04	22.50
1.4	16QAM	1	3	20.83	21.05	20.95	22.50
1.4	16QAM	1	5	20.95	21.08	20.94	22.50
1.4	16QAM	3	0	20.88	21.04	20.91	22.50
1.4	16QAM	3	1	21.14	21.16	21.11	22.50
1.4	16QAM	3	3	21.05	21.15	21.06	22.50
1.4	16QAM	6	0	21.12	21.22	21.02	22.00
1.4	64QAM	1	0	20.97	21.01	20.91	22.00
1.4	64QAM	1	3	21.12	21.21	21.03	22.00
1.4	64QAM	1	5	20.97	21.18	20.99	22.00
1.4	64QAM	3	0	20.92	21.07	20.97	22.00
1.4	64QAM	3	1	21.10	21.16	21.06	22.00
1.4	64QAM	3	3	20.95	21.03	20.99	22.00
1.4	64QAM	6	0	20.45	20.59	20.41	21.00
1.4	256QAM	1	0	18.41	18.61	18.38	19.00
1.4	256QAM	1	3	18.34	18.46	18.36	19.00
1.4	256QAM	1	5	18.44	18.54	18.47	19.00
1.4	256QAM	3	0	18.68	18.70	18.58	19.00
1.4	256QAM	3	1	18.71	18.77	18.52	19.00
1.4	256QAM	3	3	18.52	18.51	18.47	19.00
1.4	256QAM	6	0	18.56	18.73	18.63	19.00

【LTE Band 2_Ant 3_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.90	17.95	17.82	19.10
20	QPSK	1	49	17.61	17.69	17.47	19.10
20	QPSK	1	99	17.72	17.85	17.67	19.10
20	QPSK	50	0	17.82	17.88	17.85	19.10
20	QPSK	50	24	17.70	17.78	17.63	19.10
20	QPSK	50	50	17.55	17.68	17.42	19.10
20	QPSK	100	0	17.71	17.86	17.63	19.10
20	16QAM	1	0	17.45	17.63	17.40	19.10
20	16QAM	1	49	17.68	17.75	17.58	19.10
20	16QAM	1	99	17.60	17.66	17.47	19.10
20	16QAM	50	0	17.61	17.79	17.58	19.10
20	16QAM	50	24	17.64	17.73	17.58	19.10
20	16QAM	50	50	17.73	17.81	17.66	19.10
20	16QAM	100	0	17.56	17.66	17.41	19.10
20	64QAM	1	0	17.50	17.67	17.50	19.10
20	64QAM	1	49	17.58	17.66	17.50	19.10
20	64QAM	1	99	17.64	17.74	17.56	19.10
20	64QAM	50	0	17.65	17.84	17.62	19.10
20	64QAM	50	24	17.56	17.67	17.40	19.10
20	64QAM	50	50	17.67	17.84	17.69	19.10
20	64QAM	100	0	17.73	17.85	17.64	19.10
20	256QAM	1	0	17.77	17.84	17.64	19.00
20	256QAM	1	49	17.61	17.75	17.58	19.00
20	256QAM	1	99	17.69	17.75	17.58	19.00
20	256QAM	50	0	17.45	17.64	17.39	19.00
20	256QAM	50	24	17.62	17.82	17.55	19.00
20	256QAM	50	50	17.59	17.70	17.52	19.00
20	256QAM	100	0	17.49	17.67	17.49	19.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.79	17.93	17.68	19.10
15	QPSK	1	37	17.50	17.64	17.43	19.10
15	QPSK	1	74	17.67	17.78	17.55	19.10
15	QPSK	36	0	17.75	17.79	17.73	19.10
15	QPSK	36	20	17.69	17.70	17.51	19.10
15	QPSK	36	39	17.46	17.54	17.34	19.10
15	QPSK	75	0	17.66	17.75	17.59	19.10



15	16QAM	1	0	17.38	17.54	17.35	19.10
15	16QAM	1	37	17.63	17.73	17.48	19.10
15	16QAM	1	74	17.56	17.59	17.38	19.10
15	16QAM	36	0	17.55	17.75	17.44	19.10
15	16QAM	36	20	17.61	17.61	17.56	19.10
15	16QAM	36	39	17.64	17.69	17.59	19.10
15	16QAM	75	0	17.48	17.55	17.34	19.10
15	64QAM	1	0	17.43	17.60	17.43	19.10
15	64QAM	1	37	17.47	17.57	17.39	19.10
15	64QAM	1	74	17.50	17.72	17.55	19.10
15	64QAM	36	0	17.60	17.82	17.57	19.10
15	64QAM	36	20	17.51	17.63	17.35	19.10
15	64QAM	36	39	17.62	17.82	17.58	19.10
15	64QAM	75	0	17.66	17.73	17.58	19.10
15	256QAM	1	0	17.71	17.76	17.51	19.00
15	256QAM	1	37	17.57	17.64	17.56	19.00
15	256QAM	1	74	17.61	17.72	17.48	19.00
15	256QAM	36	0	17.38	17.56	17.26	19.00
15	256QAM	36	20	17.50	17.75	17.51	19.00
15	256QAM	36	39	17.45	17.60	17.48	19.00
15	256QAM	75	0	17.35	17.64	17.42	19.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	17.86	17.89	17.78	19.10
10	QPSK	1	25	17.59	17.67	17.45	19.10
10	QPSK	1	49	17.57	17.83	17.55	19.10
10	QPSK	25	0	17.73	17.83	17.73	19.10
10	QPSK	25	12	17.59	17.68	17.60	19.10
10	QPSK	25	25	17.42	17.56	17.31	19.10
10	QPSK	50	0	17.68	17.71	17.60	19.10
10	16QAM	1	0	17.34	17.55	17.32	19.10
10	16QAM	1	25	17.61	17.67	17.49	19.10
10	16QAM	1	49	17.48	17.55	17.34	19.10
10	16QAM	25	0	17.54	17.73	17.56	19.10
10	16QAM	25	12	17.60	17.64	17.47	19.10
10	16QAM	25	25	17.69	17.73	17.54	19.10
10	16QAM	50	0	17.47	17.55	17.29	19.10
10	64QAM	1	0	17.46	17.58	17.45	19.10
10	64QAM	1	25	17.49	17.54	17.43	19.10
10	64QAM	1	49	17.59	17.70	17.41	19.10
10	64QAM	25	0	17.61	17.82	17.59	19.10
10	64QAM	25	12	17.51	17.54	17.29	19.10
10	64QAM	25	25	17.64	17.78	17.65	19.10
10	64QAM	50	0	17.61	17.71	17.60	19.10
10	256QAM	1	0	17.71	17.77	17.63	19.00
10	256QAM	1	25	17.52	17.67	17.45	19.00
10	256QAM	1	49	17.56	17.61	17.51	19.00
10	256QAM	25	0	17.32	17.58	17.29	19.00
10	256QAM	25	12	17.55	17.80	17.47	19.00
10	256QAM	25	25	17.51	17.68	17.49	19.00
10	256QAM	50	0	17.45	17.60	17.45	19.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	17.78	17.91	17.69	19.10
5	QPSK	1	12	17.58	17.60	17.36	19.10
5	QPSK	1	24	17.61	17.79	17.66	19.10
5	QPSK	12	0	17.78	17.83	17.75	19.10
5	QPSK	12	7	17.65	17.67	17.51	19.10
5	QPSK	12	13	17.45	17.61	17.39	19.10
5	QPSK	25	0	17.62	17.79	17.54	19.10
5	16QAM	1	0	17.33	17.55	17.27	19.10
5	16QAM	1	12	17.59	17.70	17.48	19.10
5	16QAM	1	24	17.58	17.52	17.39	19.10
5	16QAM	12	0	17.52	17.73	17.48	19.10
5	16QAM	12	7	17.60	17.63	17.45	19.10
5	16QAM	12	13	17.69	17.74	17.52	19.10
5	16QAM	25	0	17.43	17.63	17.33	19.10
5	64QAM	1	0	17.48	17.60	17.44	19.10
5	64QAM	1	12	17.45	17.54	17.41	19.10
5	64QAM	1	24	17.63	17.65	17.49	19.10
5	64QAM	12	0	17.51	17.77	17.59	19.10
5	64QAM	12	7	17.47	17.63	17.31	19.10
5	64QAM	12	13	17.58	17.77	17.62	19.10
5	64QAM	25	0	17.69	17.79	17.59	19.10
5	256QAM	1	0	17.71	17.82	17.50	19.00
5	256QAM	1	12	17.46	17.65	17.52	19.00
5	256QAM	1	24	17.63	17.65	17.49	19.00
5	256QAM	12	0	17.41	17.54	17.38	19.00



5	256QAM	12	7	17.51	17.73	17.42	19.00
5	256QAM	12	13	17.56	17.68	17.49	19.00
5	256QAM	25	0	17.39	17.52	17.44	19.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	17.77	17.84	17.79	19.10
3	QPSK	1	8	17.55	17.66	17.40	19.10
3	QPSK	1	14	17.69	17.71	17.59	19.10
3	QPSK	8	0	17.72	17.73	17.79	19.10
3	QPSK	8	4	17.62	17.64	17.50	19.10
3	QPSK	8	7	17.53	17.55	17.34	19.10
3	QPSK	15	0	17.68	17.78	17.60	19.10
3	16QAM	1	0	17.31	17.53	17.37	19.10
3	16QAM	1	8	17.65	17.62	17.43	19.10
3	16QAM	1	14	17.57	17.64	17.34	19.10
3	16QAM	8	0	17.55	17.72	17.49	19.10
3	16QAM	8	4	17.55	17.67	17.50	19.10
3	16QAM	8	7	17.61	17.75	17.58	19.10
3	16QAM	15	0	17.46	17.53	17.29	19.10
3	64QAM	1	0	17.46	17.64	17.37	19.10
3	64QAM	1	8	17.55	17.60	17.42	19.10
3	64QAM	1	14	17.53	17.70	17.47	19.10
3	64QAM	8	0	17.64	17.74	17.48	19.10
3	64QAM	8	4	17.49	17.58	17.31	19.10
3	64QAM	8	7	17.53	17.82	17.61	19.10
3	64QAM	15	0	17.69	17.77	17.62	19.10
3	256QAM	1	0	17.66	17.70	17.56	19.00
3	256QAM	1	8	17.54	17.70	17.46	19.00
3	256QAM	1	14	17.62	17.63	17.54	19.00
3	256QAM	8	0	17.34	17.56	17.31	19.00
3	256QAM	8	4	17.57	17.68	17.47	19.00
3	256QAM	8	7	17.53	17.58	17.42	19.00
3	256QAM	15	0	17.40	17.53	17.35	19.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.79	17.82	17.68	19.10
1.4	QPSK	1	3	17.47	17.67	17.32	19.10
1.4	QPSK	1	5	17.68	17.84	17.61	19.10
1.4	QPSK	3	0	17.69	17.83	17.74	19.10
1.4	QPSK	3	1	17.67	17.69	17.54	19.10
1.4	QPSK	3	3	17.52	17.54	17.36	19.10
1.4	QPSK	6	0	17.60	17.74	17.55	19.10
1.4	16QAM	1	0	17.33	17.61	17.26	19.10
1.4	16QAM	1	3	17.64	17.62	17.56	19.10
1.4	16QAM	1	5	17.48	17.65	17.39	19.10
1.4	16QAM	3	0	17.53	17.78	17.56	19.10
1.4	16QAM	3	1	17.50	17.66	17.47	19.10
1.4	16QAM	3	3	17.70	17.79	17.63	19.10
1.4	16QAM	6	0	17.53	17.55	17.27	19.10
1.4	64QAM	1	0	17.42	17.59	17.39	19.10
1.4	64QAM	1	3	17.52	17.53	17.37	19.10
1.4	64QAM	1	5	17.49	17.71	17.55	19.10
1.4	64QAM	3	0	17.59	17.70	17.48	19.10
1.4	64QAM	3	1	17.54	17.57	17.39	19.10
1.4	64QAM	3	3	17.62	17.73	17.57	19.10
1.4	64QAM	6	0	17.59	17.73	17.60	19.10
1.4	256QAM	1	0	17.62	17.79	17.54	19.00
1.4	256QAM	1	3	17.54	17.73	17.49	19.00
1.4	256QAM	1	5	17.60	17.64	17.44	19.00
1.4	256QAM	3	0	17.36	17.54	17.26	19.00
1.4	256QAM	3	1	17.56	17.74	17.51	19.00
1.4	256QAM	3	3	17.52	17.69	17.40	19.00
1.4	256QAM	6	0	17.43	17.62	17.48	19.00

【LTE Band 2_Ant 3_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	13.53	13.61	13.58	14.80
20	QPSK	1	49	13.48	13.43	13.58	14.80
20	QPSK	1	99	13.55	13.57	13.54	14.80



FCC SAR Test Report

Report No. : FA5N1310

20	QPSK	50	0	13.50	13.60	13.44	14.80
20	QPSK	50	24	13.46	13.58	13.54	14.80
20	QPSK	50	50	13.51	13.42	13.43	14.80
20	QPSK	100	0	13.51	13.44	13.45	14.80
20	16QAM	1	0	13.49	13.44	13.54	14.80
20	16QAM	1	49	13.52	13.49	13.49	14.80
20	16QAM	1	99	13.58	13.44	13.58	14.80
20	16QAM	50	0	13.60	13.55	13.53	14.80
20	16QAM	50	24	13.59	13.59	13.60	14.80
20	16QAM	50	50	13.38	13.49	13.42	14.80
20	16QAM	100	0	13.56	13.54	13.57	14.80
20	64QAM	1	0	13.38	13.52	13.50	14.80
20	64QAM	1	49	13.48	13.51	13.53	14.80
20	64QAM	1	99	13.45	13.45	13.56	14.80
20	64QAM	50	0	13.49	13.54	13.43	14.80
20	64QAM	50	24	13.42	13.43	13.55	14.80
20	64QAM	50	50	13.49	13.53	13.53	14.80
20	64QAM	100	0	13.44	13.48	13.47	14.80
20	256QAM	1	0	13.39	13.59	13.53	14.80
20	256QAM	1	49	13.46	13.47	13.57	14.80
20	256QAM	1	99	13.59	13.58	13.49	14.80
20	256QAM	50	0	13.51	13.61	13.50	14.80
20	256QAM	50	24	13.44	13.52	13.54	14.80
20	256QAM	50	50	13.50	13.51	13.46	14.80
20	256QAM	100	0	13.40	13.53	13.49	14.80
Channel				18675	18900	19125	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	QPSK	1	0	13.40	13.59	13.47	14.80
15	QPSK	1	37	13.35	13.29	13.50	14.80
15	QPSK	1	74	13.52	13.43	13.43	14.80
15	QPSK	36	0	13.37	13.56	13.39	14.80
15	QPSK	36	20	13.40	13.57	13.41	14.80
15	QPSK	36	39	13.41	13.35	13.39	14.80
15	QPSK	75	0	13.36	13.39	13.39	14.80
15	16QAM	1	0	13.36	13.39	13.43	14.80
15	16QAM	1	37	13.38	13.41	13.43	14.80
15	16QAM	1	74	13.57	13.31	13.55	14.80
15	16QAM	36	0	13.57	13.45	13.43	14.80
15	16QAM	36	20	13.57	13.53	13.56	14.80
15	16QAM	36	39	13.35	13.35	13.33	14.80
15	16QAM	75	0	13.54	13.43	13.52	14.80
15	64QAM	1	0	13.36	13.45	13.42	14.80
15	64QAM	1	37	13.34	13.48	13.45	14.80
15	64QAM	1	74	13.37	13.42	13.49	14.80
15	64QAM	36	0	13.44	13.46	13.38	14.80
15	64QAM	36	20	13.31	13.34	13.50	14.80
15	64QAM	36	39	13.36	13.43	13.45	14.80
15	64QAM	75	0	13.37	13.40	13.34	14.80
15	256QAM	1	0	13.36	13.52	13.38	14.80
15	256QAM	1	37	13.35	13.40	13.44	14.80
15	256QAM	1	74	13.48	13.53	13.45	14.80
15	256QAM	36	0	13.38	13.48	13.45	14.80
15	256QAM	36	20	13.38	13.48	13.47	14.80
15	256QAM	36	39	13.48	13.45	13.34	14.80
15	256QAM	75	0	13.27	13.46	13.44	14.80
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	13.52	13.60	13.53	14.80
10	QPSK	1	25	13.44	13.38	13.50	14.80
10	QPSK	1	49	13.41	13.51	13.41	14.80
10	QPSK	25	0	13.46	13.55	13.34	14.80
10	QPSK	25	12	13.34	13.48	13.52	14.80
10	QPSK	25	25	13.37	13.37	13.36	14.80
10	QPSK	50	0	13.38	13.43	13.39	14.80
10	16QAM	1	0	13.46	13.42	13.47	14.80
10	16QAM	1	25	13.46	13.39	13.48	14.80
10	16QAM	1	49	13.47	13.30	13.55	14.80
10	16QAM	25	0	13.55	13.54	13.50	14.80
10	16QAM	25	12	13.52	13.56	13.56	14.80
10	16QAM	25	25	13.31	13.42	13.33	14.80
10	16QAM	50	0	13.50	13.42	13.54	14.80
10	64QAM	1	0	13.24	13.41	13.44	14.80
10	64QAM	1	25	13.33	13.46	13.43	14.80
10	64QAM	1	49	13.35	13.33	13.47	14.80
10	64QAM	25	0	13.35	13.49	13.31	14.80
10	64QAM	25	12	13.41	13.35	13.41	14.80
10	64QAM	25	25	13.42	13.48	13.46	14.80
10	64QAM	50	0	13.43	13.34	13.37	14.80



FCC SAR Test Report

Report No. : FA5N1310

10	256QAM	1	0	13.38	13.51	13.43	14.80
10	256QAM	1	25	13.41	13.39	13.50	14.80
10	256QAM	1	49	13.56	13.51	13.47	14.80
10	256QAM	25	0	13.36	13.59	13.48	14.80
10	256QAM	25	12	13.38	13.41	13.50	14.80
10	256QAM	25	25	13.35	13.49	13.39	14.80
10	256QAM	50	0	13.25	13.41	13.35	14.80
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	13.51	13.57	13.55	14.80
5	QPSK	1	12	13.41	13.32	13.44	14.80
5	QPSK	1	24	13.42	13.51	13.50	14.80
5	QPSK	12	0	13.48	13.55	13.34	14.80
5	QPSK	12	7	13.33	13.55	13.43	14.80
5	QPSK	12	13	13.40	13.34	13.32	14.80
5	QPSK	25	0	13.39	13.40	13.41	14.80
5	16QAM	1	0	13.44	13.29	13.48	14.80
5	16QAM	1	12	13.43	13.44	13.41	14.80
5	16QAM	1	24	13.43	13.38	13.47	14.80
5	16QAM	12	0	13.55	13.41	13.42	14.80
5	16QAM	12	7	13.53	13.47	13.54	14.80
5	16QAM	12	13	13.34	13.46	13.40	14.80
5	16QAM	25	0	13.41	13.40	13.53	14.80
5	64QAM	1	0	13.28	13.45	13.46	14.80
5	64QAM	1	12	13.36	13.47	13.50	14.80
5	64QAM	1	24	13.32	13.43	13.51	14.80
5	64QAM	12	0	13.36	13.52	13.32	14.80
5	64QAM	12	7	13.27	13.41	13.43	14.80
5	64QAM	12	13	13.46	13.51	13.50	14.80
5	64QAM	25	0	13.33	13.35	13.46	14.80
5	256QAM	1	0	13.25	13.48	13.46	14.80
5	256QAM	1	12	13.33	13.39	13.52	14.80
5	256QAM	1	24	13.45	13.55	13.45	14.80
5	256QAM	12	0	13.37	13.59	13.47	14.80
5	256QAM	12	7	13.31	13.44	13.51	14.80
5	256QAM	12	13	13.42	13.36	13.35	14.80
5	256QAM	25	0	13.35	13.44	13.45	14.80
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	13.49	13.56	13.55	14.80
3	QPSK	1	8	13.42	13.36	13.49	14.80
3	QPSK	1	14	13.51	13.45	13.40	14.80
3	QPSK	8	0	13.44	13.56	13.39	14.80
3	QPSK	8	4	13.43	13.51	13.46	14.80
3	QPSK	8	7	13.49	13.33	13.42	14.80
3	QPSK	15	0	13.48	13.40	13.39	14.80
3	16QAM	1	0	13.44	13.40	13.43	14.80
3	16QAM	1	8	13.50	13.48	13.38	14.80
3	16QAM	1	14	13.48	13.41	13.55	14.80
3	16QAM	8	0	13.46	13.49	13.47	14.80
3	16QAM	8	4	13.50	13.45	13.54	14.80
3	16QAM	8	7	13.30	13.39	13.35	14.80
3	16QAM	15	0	13.49	13.51	13.46	14.80
3	64QAM	1	0	13.35	13.45	13.44	14.80
3	64QAM	1	8	13.34	13.41	13.47	14.80
3	64QAM	1	14	13.39	13.34	13.52	14.80
3	64QAM	8	0	13.46	13.44	13.35	14.80
3	64QAM	8	4	13.29	13.37	13.52	14.80
3	64QAM	8	7	13.38	13.42	13.51	14.80
3	64QAM	15	0	13.38	13.36	13.34	14.80
3	256QAM	1	0	13.26	13.56	13.46	14.80
3	256QAM	1	8	13.36	13.38	13.47	14.80
3	256QAM	1	14	13.45	13.46	13.42	14.80
3	256QAM	8	0	13.46	13.57	13.46	14.80
3	256QAM	8	4	13.33	13.41	13.53	14.80
3	256QAM	8	7	13.47	13.44	13.40	14.80
3	256QAM	15	0	13.25	13.47	13.38	14.80
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	13.50	13.51	13.51	14.80
1.4	QPSK	1	3	13.41	13.34	13.48	14.80
1.4	QPSK	1	5	13.47	13.50	13.46	14.80
1.4	QPSK	3	0	13.44	13.56	13.35	14.80
1.4	QPSK	3	1	13.33	13.52	13.49	14.80
1.4	QPSK	3	3	13.39	13.31	13.34	14.80
1.4	QPSK	6	0	13.38	13.41	13.41	14.80
1.4	16QAM	1	0	13.45	13.33	13.48	14.80
1.4	16QAM	1	3	13.39	13.40	13.35	14.80



1.4	16QAM	1	5	13.48	13.36	13.55	14.80
1.4	16QAM	3	0	13.48	13.48	13.49	14.80
1.4	16QAM	3	1	13.49	13.52	13.47	14.80
1.4	16QAM	3	3	13.31	13.47	13.30	14.80
1.4	16QAM	6	0	13.46	13.39	13.51	14.80
1.4	64QAM	1	0	13.25	13.40	13.42	14.80
1.4	64QAM	1	3	13.35	13.41	13.42	14.80
1.4	64QAM	1	5	13.41	13.43	13.52	14.80
1.4	64QAM	3	0	13.37	13.43	13.29	14.80
1.4	64QAM	3	1	13.37	13.35	13.44	14.80
1.4	64QAM	3	3	13.38	13.41	13.49	14.80
1.4	64QAM	6	0	13.30	13.35	13.37	14.80
1.4	256QAM	1	0	13.35	13.49	13.40	14.80
1.4	256QAM	1	3	13.33	13.32	13.44	14.80
1.4	256QAM	1	5	13.55	13.46	13.47	14.80
1.4	256QAM	3	0	13.44	13.47	13.39	14.80
1.4	256QAM	3	1	13.43	13.47	13.50	14.80
1.4	256QAM	3	3	13.38	13.36	13.38	14.80
1.4	256QAM	6	0	13.36	13.46	13.43	14.80

【LTE Band 2_Ant 4_Full Power】

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



FCC SAR Test Report

Report No. : FA5N1310

15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00



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

【LTE Band 2_Ant 4_DSI 2】

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



FCC SAR Test Report

Report No. : FA5N1310

20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00
20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00



FCC SAR Test Report

Report No. : FA5N1310

5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit
Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00



1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 3】

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
18700	18700	18900	19100	
Frequency (MHz)	1860	1880	1900	
20	QPSK	1	0	21.54
20	QPSK	1	49	21.36
20	QPSK	1	99	21.18
20	QPSK	50	0	20.59
20	QPSK	50	24	20.33
20	QPSK	50	50	20.40
20	QPSK	100	0	20.45
20	16QAM	1	0	20.38
20	16QAM	1	49	20.23
20	16QAM	1	99	20.44
20	16QAM	50	0	19.45
20	16QAM	50	24	19.36
20	16QAM	50	50	19.49
20	16QAM	100	0	19.34
20	64QAM	1	0	19.35
20	64QAM	1	49	19.38
20	64QAM	1	99	19.45
20	64QAM	50	0	18.47
20	64QAM	50	24	18.27
20	64QAM	50	50	18.32
20	64QAM	100	0	18.54
20	256QAM	1	0	16.44
20	256QAM	1	49	16.24
20	256QAM	1	99	16.41
20	256QAM	50	0	16.42
20	256QAM	50	24	16.33
20	256QAM	50	50	16.37
20	256QAM	100	0	16.23
Channel	18675	18900	19125	Tune-up limit
Frequency (MHz)	1857.5	1880	1902.5	
15	QPSK	1	0	21.41
15	QPSK	1	37	21.27
15	QPSK	1	74	21.11
15	QPSK	36	0	20.57
15	QPSK	36	20	20.30
15	QPSK	36	39	20.28
15	QPSK	75	0	20.34
15	16QAM	1	0	20.23
15	16QAM	1	37	20.11
15	16QAM	1	74	20.30
15	16QAM	36	0	19.31
15	16QAM	36	20	19.32
15	16QAM	36	39	19.41
15	16QAM	75	0	19.28
15	64QAM	1	0	19.25
15	64QAM	1	37	19.30
15	64QAM	1	74	19.33
15	64QAM	36	0	18.45
15	64QAM	36	20	18.15
15	64QAM	36	39	18.18
15	64QAM	75	0	18.43
15	256QAM	1	0	16.32
15	256QAM	1	37	16.12
15	256QAM	1	74	16.36
15	256QAM	36	0	16.36
15	256QAM	36	20	16.27
15	256QAM	36	39	16.23



FCC SAR Test Report

Report No. : FA5N1310

15	256QAM	75	0	16.21	16.42	16.17	17.60
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.51	21.55	21.44	22.60
10	QPSK	1	25	21.22	21.46	21.24	22.60
10	QPSK	1	49	21.11	21.25	21.00	22.60
10	QPSK	25	0	20.45	20.58	20.48	21.60
10	QPSK	25	12	20.19	20.35	20.20	21.60
10	QPSK	25	25	20.38	20.41	20.19	21.60
10	QPSK	50	0	20.42	20.49	20.30	21.60
10	16QAM	1	0	20.25	20.49	20.37	21.60
10	16QAM	1	25	20.15	20.28	20.16	21.60
10	16QAM	1	49	20.30	20.56	20.34	21.60
10	16QAM	25	0	19.35	19.53	19.34	20.60
10	16QAM	25	12	19.23	19.45	19.20	20.60
10	16QAM	25	25	19.37	19.50	19.41	20.60
10	16QAM	50	0	19.28	19.41	19.30	20.60
10	64QAM	1	0	19.31	19.36	19.32	20.60
10	64QAM	1	25	19.36	19.41	19.36	20.60
10	64QAM	1	49	19.42	19.42	19.30	20.60
10	64QAM	25	0	18.45	18.56	18.35	19.60
10	64QAM	25	12	18.26	18.44	18.34	19.60
10	64QAM	25	25	18.28	18.36	18.23	19.60
10	64QAM	50	0	18.40	18.51	18.28	19.60
10	256QAM	1	0	16.42	16.50	16.32	17.60
10	256QAM	1	25	16.18	16.30	16.17	17.60
10	256QAM	1	49	16.30	16.51	16.27	17.60
10	256QAM	25	0	16.39	16.54	16.39	17.60
10	256QAM	25	12	16.20	16.37	16.12	17.60
10	256QAM	25	25	16.30	16.40	16.32	17.60
10	256QAM	50	0	16.21	16.40	16.27	17.60
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	22.60
5	QPSK	1	12	21.31	21.38	21.25	22.60
5	QPSK	1	24	21.08	21.28	21.09	22.60
5	QPSK	12	0	20.47	20.53	20.48	21.60
5	QPSK	12	7	20.20	20.28	20.24	21.60
5	QPSK	12	13	20.29	20.39	20.16	21.60
5	QPSK	25	0	20.33	20.53	20.33	21.60
5	16QAM	1	0	20.33	20.55	20.38	21.60
5	16QAM	1	12	20.20	20.37	20.19	21.60
5	16QAM	1	24	20.35	20.55	20.29	21.60
5	16QAM	12	0	19.42	19.55	19.27	20.60
5	16QAM	12	7	19.27	19.40	19.21	20.60
5	16QAM	12	13	19.34	19.55	19.39	20.60
5	16QAM	25	0	19.19	19.42	19.24	20.60
5	64QAM	1	0	19.30	19.46	19.32	20.60
5	64QAM	1	12	19.30	19.44	19.26	20.60
5	64QAM	1	24	19.34	19.45	19.26	20.60
5	64QAM	12	0	18.40	18.49	18.36	19.60
5	64QAM	12	7	18.13	18.40	18.29	19.60
5	64QAM	12	13	18.29	18.39	18.17	19.60
5	64QAM	25	0	18.50	18.48	18.28	19.60
5	256QAM	1	0	16.37	16.47	16.27	17.60
5	256QAM	1	12	16.18	16.42	16.13	17.60
5	256QAM	1	24	16.34	16.48	16.30	17.60
5	256QAM	12	0	16.37	16.52	16.37	17.60
5	256QAM	12	7	16.28	16.31	16.09	17.60
5	256QAM	12	13	16.26	16.51	16.35	17.60
5	256QAM	25	0	16.20	16.29	16.22	17.60
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	22.60
3	QPSK	1	8	21.23	21.45	21.30	22.60
3	QPSK	1	14	21.12	21.22	21.01	22.60
3	QPSK	8	0	20.51	20.54	20.54	21.60
3	QPSK	8	4	20.24	20.28	20.17	21.60
3	QPSK	8	7	20.38	20.41	20.26	21.60
3	QPSK	15	0	20.35	20.52	20.39	21.60
3	16QAM	1	0	20.31	20.53	20.41	21.60
3	16QAM	1	8	20.17	20.29	20.20	21.60
3	16QAM	1	14	20.31	20.46	20.29	21.60
3	16QAM	8	0	19.38	19.60	19.26	20.60
3	16QAM	8	4	19.23	19.39	19.20	20.60
3	16QAM	8	7	19.47	19.58	19.44	20.60
3	16QAM	15	0	19.29	19.46	19.29	20.60
3	64QAM	1	0	19.30	19.38	19.24	20.60



3	64QAM	1	8	19.34	19.39	19.26	20.60
3	64QAM	1	14	19.36	19.44	19.20	20.60
3	64QAM	8	0	18.41	18.58	18.29	19.60
3	64QAM	8	4	18.21	18.36	18.24	19.60
3	64QAM	8	7	18.22	18.33	18.30	19.60
3	64QAM	15	0	18.42	18.57	18.32	19.60
3	256QAM	1	0	16.29	16.44	16.30	17.60
3	256QAM	1	8	16.12	16.39	16.23	17.60
3	256QAM	1	14	16.37	16.56	16.32	17.60
3	256QAM	8	0	16.40	16.53	16.34	17.60
3	256QAM	8	4	16.28	16.37	16.18	17.60
3	256QAM	8	7	16.24	16.43	16.27	17.60
3	256QAM	15	0	16.15	16.29	16.28	17.60
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	22.60
1.4	QPSK	1	3	21.22	21.46	21.29	22.60
1.4	QPSK	1	5	21.06	21.26	21.04	22.60
1.4	QPSK	3	0	21.57	21.54	21.54	22.60
1.4	QPSK	3	1	21.26	21.29	21.28	22.60
1.4	QPSK	3	3	21.27	21.50	21.28	22.60
1.4	QPSK	6	0	20.41	20.50	20.38	21.60
1.4	16QAM	1	0	20.25	20.53	20.32	21.60
1.4	16QAM	1	3	20.19	20.38	20.24	21.60
1.4	16QAM	1	5	20.36	20.56	20.33	21.60
1.4	16QAM	3	0	20.31	20.47	20.34	21.60
1.4	16QAM	3	1	20.30	20.45	20.31	21.60
1.4	16QAM	3	3	20.48	20.60	20.37	21.60
1.4	16QAM	6	0	19.32	19.51	19.30	20.60
1.4	64QAM	1	0	19.20	19.43	19.35	20.60
1.4	64QAM	1	3	19.32	19.38	19.34	20.60
1.4	64QAM	1	5	19.38	19.48	19.26	20.60
1.4	64QAM	3	0	19.35	19.44	19.27	20.60
1.4	64QAM	3	1	19.22	19.36	19.27	20.60
1.4	64QAM	3	3	19.18	19.33	19.20	20.60
1.4	64QAM	6	0	18.42	18.53	18.29	19.60
1.4	256QAM	1	0	16.30	16.42	16.38	17.60
1.4	256QAM	1	3	16.22	16.31	16.09	17.60
1.4	256QAM	1	5	16.28	16.46	16.27	17.60
1.4	256QAM	3	0	16.29	16.52	16.38	17.60
1.4	256QAM	3	1	16.31	16.37	16.11	17.60
1.4	256QAM	3	3	16.23	16.49	16.32	17.60
1.4	256QAM	6	0	16.21	16.40	16.24	17.60

【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	21.54	21.61	21.51	23.00
20	QPSK	1	49	21.36	21.48	21.37	23.00
20	QPSK	1	99	21.18	21.35	21.14	23.00
20	QPSK	50	0	20.59	20.63	20.60	22.00
20	QPSK	50	24	20.33	20.42	20.30	22.00
20	QPSK	50	50	20.40	20.53	20.29	22.00
20	QPSK	100	0	20.45	20.60	20.41	22.00
20	16QAM	1	0	20.38	20.58	20.45	22.00
20	16QAM	1	49	20.23	20.40	20.26	22.00
20	16QAM	1	99	20.44	20.60	20.42	22.00
20	16QAM	50	0	19.45	19.61	19.37	21.00
20	16QAM	50	24	19.36	19.54	19.33	21.00
20	16QAM	50	50	19.49	19.61	19.46	21.00
20	16QAM	100	0	19.34	19.55	19.35	21.00
20	64QAM	1	0	19.35	19.50	19.38	21.00
20	64QAM	1	49	19.38	19.49	19.38	21.00
20	64QAM	1	99	19.45	19.57	19.33	21.00
20	64QAM	50	0	18.47	18.59	18.39	20.00
20	64QAM	50	24	18.27	18.45	18.35	20.00
20	64QAM	50	50	18.32	18.44	18.32	20.00
20	64QAM	100	0	18.54	18.62	18.42	20.00
20	256QAM	1	0	16.44	16.53	16.41	18.00
20	256QAM	1	49	16.24	16.43	16.24	18.00



FCC SAR Test Report

Report No. : FA5N1310

20	256QAM	1	99	16.41	16.60	16.40	18.00
20	256QAM	50	0	16.42	16.61	16.43	18.00
20	256QAM	50	24	16.33	16.40	16.24	18.00
20	256QAM	50	50	16.37	16.54	16.38	18.00
20	256QAM	100	0	16.23	16.43	16.29	18.00
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	23.00
15	QPSK	1	37	21.27	21.40	21.32	23.00
15	QPSK	1	74	21.11	21.25	21.04	23.00
15	QPSK	36	0	20.57	20.61	20.50	22.00
15	QPSK	36	20	20.30	20.31	20.18	22.00
15	QPSK	36	39	20.28	20.47	20.22	22.00
15	QPSK	75	0	20.34	20.58	20.32	22.00
15	16QAM	1	0	20.23	20.46	20.35	22.00
15	16QAM	1	37	20.11	20.38	20.21	22.00
15	16QAM	1	74	20.30	20.52	20.29	22.00
15	16QAM	36	0	19.31	19.52	19.25	21.00
15	16QAM	36	20	19.32	19.52	19.18	21.00
15	16QAM	36	39	19.41	19.57	19.34	21.00
15	16QAM	75	0	19.28	19.52	19.22	21.00
15	64QAM	1	0	19.25	19.41	19.27	21.00
15	64QAM	1	37	19.30	19.35	19.28	21.00
15	64QAM	1	74	19.33	19.48	19.29	21.00
15	64QAM	36	0	18.45	18.57	18.28	20.00
15	64QAM	36	20	18.15	18.38	18.23	20.00
15	64QAM	36	39	18.18	18.33	18.19	20.00
15	64QAM	75	0	18.43	18.51	18.38	20.00
15	256QAM	1	0	16.32	16.45	16.33	18.00
15	256QAM	1	37	16.12	16.41	16.18	18.00
15	256QAM	1	74	16.36	16.55	16.29	18.00
15	256QAM	36	0	16.36	16.49	16.35	18.00
15	256QAM	36	20	16.27	16.31	16.17	18.00
15	256QAM	36	39	16.23	16.42	16.24	18.00
15	256QAM	75	0	16.21	16.42	16.17	18.00
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.51	21.55	21.44	23.00
10	QPSK	1	25	21.22	21.46	21.24	23.00
10	QPSK	1	49	21.11	21.25	21.00	23.00
10	QPSK	25	0	20.45	20.58	20.48	22.00
10	QPSK	25	12	20.19	20.35	20.20	22.00
10	QPSK	25	25	20.38	20.41	20.19	22.00
10	QPSK	50	0	20.42	20.49	20.30	22.00
10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00



FCC SAR Test Report

Report No. : FA5N1310

5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00
3	256QAM	8	4	16.28	16.37	16.18	18.00
3	256QAM	8	7	16.24	16.43	16.27	18.00
3	256QAM	15	0	16.15	16.29	16.28	18.00
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	23.00
1.4	QPSK	1	3	21.22	21.46	21.29	23.00
1.4	QPSK	1	5	21.06	21.26	21.04	23.00
1.4	QPSK	3	0	21.57	21.54	21.54	23.00
1.4	QPSK	3	1	21.26	21.29	21.28	23.00
1.4	QPSK	3	3	21.27	21.50	21.28	23.00
1.4	QPSK	6	0	20.41	20.50	20.38	22.00
1.4	16QAM	1	0	20.25	20.53	20.32	22.00
1.4	16QAM	1	3	20.19	20.38	20.24	22.00
1.4	16QAM	1	5	20.36	20.56	20.33	22.00
1.4	16QAM	3	0	20.31	20.47	20.34	22.00
1.4	16QAM	3	1	20.30	20.45	20.31	22.00
1.4	16QAM	3	3	20.48	20.60	20.37	22.00
1.4	16QAM	6	0	19.32	19.51	19.30	21.00
1.4	64QAM	1	0	19.20	19.43	19.35	21.00
1.4	64QAM	1	3	19.32	19.38	19.34	21.00
1.4	64QAM	1	5	19.38	19.48	19.26	21.00
1.4	64QAM	3	0	19.35	19.44	19.27	21.00
1.4	64QAM	3	1	19.22	19.36	19.27	21.00
1.4	64QAM	3	3	19.18	19.33	19.20	21.00
1.4	64QAM	6	0	18.42	18.53	18.29	20.00
1.4	256QAM	1	0	16.30	16.42	16.38	18.00
1.4	256QAM	1	3	16.22	16.31	16.09	18.00
1.4	256QAM	1	5	16.28	16.46	16.27	18.00
1.4	256QAM	3	0	16.29	16.52	16.38	18.00
1.4	256QAM	3	1	16.31	16.37	16.11	18.00
1.4	256QAM	3	3	16.23	16.49	16.32	18.00
1.4	256QAM	6	0	16.21	16.40	16.24	18.00

【LTE Band 2_Ant 4_DSI 6】

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
20	QPSK	1	0	21.54	23.00
20	QPSK	1	49	21.36	23.00
20	QPSK	1	99	21.18	23.00
20	QPSK	50	0	20.59	22.00
20	QPSK	50	24	20.33	22.00
20	QPSK	50	50	20.40	22.00
20	QPSK	100	0	20.45	22.00
20	16QAM	1	0	20.38	22.00
20	16QAM	1	49	20.23	22.00
20	16QAM	1	99	20.44	22.00
20	16QAM	50	0	19.45	21.00
20	16QAM	50	24	19.36	21.00
20	16QAM	50	50	19.49	21.00
20	16QAM	100	0	19.34	21.00
20	64QAM	1	0	19.35	21.00
20	64QAM	1	49	19.38	21.00
20	64QAM	1	99	19.45	21.00
20	64QAM	50	0	18.47	20.00
20	64QAM	50	24	18.27	20.00
20	64QAM	50	50	18.32	20.00
20	64QAM	100	0	18.54	20.00
20	256QAM	1	0	16.44	18.00
20	256QAM	1	49	16.24	18.00
20	256QAM	1	99	16.41	18.00
20	256QAM	50	0	16.42	18.00
20	256QAM	50	24	16.33	18.00
20	256QAM	50	50	16.37	18.00
20	256QAM	100	0	16.23	18.00
15	QPSK	1	0	21.41	23.00
15	QPSK	1	37	21.27	23.00
15	QPSK	1	74	21.11	23.00
15	QPSK	36	0	20.57	22.00
15	QPSK	36	20	20.30	22.00
15	QPSK	36	39	20.28	22.00
15	QPSK	75	0	20.34	22.00
15	16QAM	1	0	20.23	22.00
15	16QAM	1	37	20.11	22.00
15	16QAM	1	74	20.30	22.00
15	16QAM	36	0	19.31	21.00
15	16QAM	36	20	19.32	21.00
15	16QAM	36	39	19.41	21.00
15	16QAM	75	0	19.28	21.00
15	64QAM	1	0	19.25	21.00
15	64QAM	1	37	19.30	21.00
15	64QAM	1	74	19.33	21.00
15	64QAM	36	0	18.45	20.00
15	64QAM	36	20	18.15	20.00
15	64QAM	36	39	18.18	20.00
15	64QAM	75	0	18.43	20.00
15	256QAM	1	0	16.32	18.00
15	256QAM	1	37	16.12	18.00
15	256QAM	1	74	16.36	18.00
15	256QAM	36	0	16.36	18.00
15	256QAM	36	20	16.27	18.00
15	256QAM	36	39	16.23	18.00
15	256QAM	75	0	16.21	18.00
10	QPSK	1	0	21.51	23.00
10	QPSK	1	25	21.22	23.00
10	QPSK	1	49	21.11	23.00
10	QPSK	25	0	20.45	22.00
10	QPSK	25	12	20.19	22.00
10	QPSK	25	25	20.38	22.00
10	QPSK	50	0	20.42	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	1	0	20.25	20.49	20.37	22.00
10	16QAM	1	25	20.15	20.28	20.16	22.00
10	16QAM	1	49	20.30	20.56	20.34	22.00
10	16QAM	25	0	19.35	19.53	19.34	21.00
10	16QAM	25	12	19.23	19.45	19.20	21.00
10	16QAM	25	25	19.37	19.50	19.41	21.00
10	16QAM	50	0	19.28	19.41	19.30	21.00
10	64QAM	1	0	19.31	19.36	19.32	21.00
10	64QAM	1	25	19.36	19.41	19.36	21.00
10	64QAM	1	49	19.42	19.42	19.30	21.00
10	64QAM	25	0	18.45	18.56	18.35	20.00
10	64QAM	25	12	18.26	18.44	18.34	20.00
10	64QAM	25	25	18.28	18.36	18.23	20.00
10	64QAM	50	0	18.40	18.51	18.28	20.00
10	256QAM	1	0	16.42	16.50	16.32	18.00
10	256QAM	1	25	16.18	16.30	16.17	18.00
10	256QAM	1	49	16.30	16.51	16.27	18.00
10	256QAM	25	0	16.39	16.54	16.39	18.00
10	256QAM	25	12	16.20	16.37	16.12	18.00
10	256QAM	25	25	16.30	16.40	16.32	18.00
10	256QAM	50	0	16.21	16.40	16.27	18.00
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	23.00
5	QPSK	1	12	21.31	21.38	21.25	23.00
5	QPSK	1	24	21.08	21.28	21.09	23.00
5	QPSK	12	0	20.47	20.53	20.48	22.00
5	QPSK	12	7	20.20	20.28	20.24	22.00
5	QPSK	12	13	20.29	20.39	20.16	22.00
5	QPSK	25	0	20.33	20.53	20.33	22.00
5	16QAM	1	0	20.33	20.55	20.38	22.00
5	16QAM	1	12	20.20	20.37	20.19	22.00
5	16QAM	1	24	20.35	20.55	20.29	22.00
5	16QAM	12	0	19.42	19.55	19.27	21.00
5	16QAM	12	7	19.27	19.40	19.21	21.00
5	16QAM	12	13	19.34	19.55	19.39	21.00
5	16QAM	25	0	19.19	19.42	19.24	21.00
5	64QAM	1	0	19.30	19.46	19.32	21.00
5	64QAM	1	12	19.30	19.44	19.26	21.00
5	64QAM	1	24	19.34	19.45	19.26	21.00
5	64QAM	12	0	18.40	18.49	18.36	20.00
5	64QAM	12	7	18.13	18.40	18.29	20.00
5	64QAM	12	13	18.29	18.39	18.17	20.00
5	64QAM	25	0	18.50	18.48	18.28	20.00
5	256QAM	1	0	16.37	16.47	16.27	18.00
5	256QAM	1	12	16.18	16.42	16.13	18.00
5	256QAM	1	24	16.34	16.48	16.30	18.00
5	256QAM	12	0	16.37	16.52	16.37	18.00
5	256QAM	12	7	16.28	16.31	16.09	18.00
5	256QAM	12	13	16.26	16.51	16.35	18.00
5	256QAM	25	0	16.20	16.29	16.22	18.00
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	21.46	21.57	21.37	23.00
3	QPSK	1	8	21.23	21.45	21.30	23.00
3	QPSK	1	14	21.12	21.22	21.01	23.00
3	QPSK	8	0	20.51	20.54	20.54	22.00
3	QPSK	8	4	20.24	20.28	20.17	22.00
3	QPSK	8	7	20.38	20.41	20.26	22.00
3	QPSK	15	0	20.35	20.52	20.39	22.00
3	16QAM	1	0	20.31	20.53	20.41	22.00
3	16QAM	1	8	20.17	20.29	20.20	22.00
3	16QAM	1	14	20.31	20.46	20.29	22.00
3	16QAM	8	0	19.38	19.60	19.26	21.00
3	16QAM	8	4	19.23	19.39	19.20	21.00
3	16QAM	8	7	19.47	19.58	19.44	21.00
3	16QAM	15	0	19.29	19.46	19.29	21.00
3	64QAM	1	0	19.30	19.38	19.24	21.00
3	64QAM	1	8	19.34	19.39	19.26	21.00
3	64QAM	1	14	19.36	19.44	19.20	21.00
3	64QAM	8	0	18.41	18.58	18.29	20.00
3	64QAM	8	4	18.21	18.36	18.24	20.00
3	64QAM	8	7	18.22	18.33	18.30	20.00
3	64QAM	15	0	18.42	18.57	18.32	20.00
3	256QAM	1	0	16.29	16.44	16.30	18.00
3	256QAM	1	8	16.12	16.39	16.23	18.00
3	256QAM	1	14	16.37	16.56	16.32	18.00
3	256QAM	8	0	16.40	16.53	16.34	18.00



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

【LTE Band 2_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	21.54	21.61	21.51	22.60
20	QPSK	1	49	21.36	21.48	21.37	22.60
20	QPSK	1	99	21.18	21.35	21.14	22.60
20	QPSK	50	0	20.59	20.63	20.60	21.60
20	QPSK	50	24	20.33	20.42	20.30	21.60
20	QPSK	50	50	20.40	20.53	20.29	21.60
20	QPSK	100	0	20.45	20.60	20.41	21.60
20	16QAM	1	0	20.38	20.58	20.45	21.60
20	16QAM	1	49	20.23	20.40	20.26	21.60
20	16QAM	1	99	20.44	20.60	20.42	21.60
20	16QAM	50	0	19.45	19.61	19.37	20.60
20	16QAM	50	24	19.36	19.54	19.33	20.60
20	16QAM	50	50	19.49	19.61	19.46	20.60
20	16QAM	100	0	19.34	19.55	19.35	20.60
20	64QAM	1	0	19.35	19.50	19.38	20.60
20	64QAM	1	49	19.38	19.49	19.38	20.60
20	64QAM	1	99	19.45	19.57	19.33	20.60
20	64QAM	50	0	18.47	18.59	18.39	19.60
20	64QAM	50	24	18.27	18.45	18.35	19.60
20	64QAM	50	50	18.32	18.44	18.32	19.60
20	64QAM	100	0	18.54	18.62	18.42	19.60
20	256QAM	1	0	16.44	16.53	16.41	17.60
20	256QAM	1	49	16.24	16.43	16.24	17.60
20	256QAM	1	99	16.41	16.60	16.40	17.60
20	256QAM	50	0	16.42	16.61	16.43	17.60
20	256QAM	50	24	16.33	16.40	16.24	17.60
20	256QAM	50	50	16.37	16.54	16.38	17.60
20	256QAM	100	0	16.23	16.43	16.29	17.60
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.41	21.55	21.38	22.60
15	QPSK	1	37	21.27	21.40	21.32	22.60
15	QPSK	1	74	21.11	21.25	21.04	22.60



FCC SAR Test Report

Report No. : FA5N1310

15	QPSK	36	0	20.57	20.61	20.50	21.60
15	QPSK	36	20	20.30	20.31	20.18	21.60
15	QPSK	36	39	20.28	20.47	20.22	21.60
15	QPSK	75	0	20.34	20.58	20.32	21.60
15	16QAM	1	0	20.23	20.46	20.35	21.60
15	16QAM	1	37	20.11	20.38	20.21	21.60
15	16QAM	1	74	20.30	20.52	20.29	21.60
15	16QAM	36	0	19.31	19.52	19.25	20.60
15	16QAM	36	20	19.32	19.52	19.18	20.60
15	16QAM	36	39	19.41	19.57	19.34	20.60
15	16QAM	75	0	19.28	19.52	19.22	20.60
15	64QAM	1	0	19.25	19.41	19.27	20.60
15	64QAM	1	37	19.30	19.35	19.28	20.60
15	64QAM	1	74	19.33	19.48	19.29	20.60
15	64QAM	36	0	18.45	18.57	18.28	19.60
15	64QAM	36	20	18.15	18.38	18.23	19.60
15	64QAM	36	39	18.18	18.33	18.19	19.60
15	64QAM	75	0	18.43	18.51	18.38	19.60
15	256QAM	1	0	16.32	16.45	16.33	17.60
15	256QAM	1	37	16.12	16.41	16.18	17.60
15	256QAM	1	74	16.36	16.55	16.29	17.60
15	256QAM	36	0	16.36	16.49	16.35	17.60
15	256QAM	36	20	16.27	16.31	16.17	17.60
15	256QAM	36	39	16.23	16.42	16.24	17.60
15	256QAM	75	0	16.21	16.42	16.17	17.60
Channel				18650	18900	19150	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	QPSK	1	0	21.51	21.55	21.44	22.60
10	QPSK	1	25	21.22	21.46	21.24	22.60
10	QPSK	1	49	21.11	21.25	21.00	22.60
10	QPSK	25	0	20.45	20.58	20.48	21.60
10	QPSK	25	12	20.19	20.35	20.20	21.60
10	QPSK	25	25	20.38	20.41	20.19	21.60
10	QPSK	50	0	20.42	20.49	20.30	21.60
10	16QAM	1	0	20.25	20.49	20.37	21.60
10	16QAM	1	25	20.15	20.28	20.16	21.60
10	16QAM	1	49	20.30	20.56	20.34	21.60
10	16QAM	25	0	19.35	19.53	19.34	20.60
10	16QAM	25	12	19.23	19.45	19.20	20.60
10	16QAM	25	25	19.37	19.50	19.41	20.60
10	16QAM	50	0	19.28	19.41	19.30	20.60
10	64QAM	1	0	19.31	19.36	19.32	20.60
10	64QAM	1	25	19.36	19.41	19.36	20.60
10	64QAM	1	49	19.42	19.42	19.30	20.60
10	64QAM	25	0	18.45	18.56	18.35	19.60
10	64QAM	25	12	18.26	18.44	18.34	19.60
10	64QAM	25	25	18.28	18.36	18.23	19.60
10	64QAM	50	0	18.40	18.51	18.28	19.60
10	256QAM	1	0	16.42	16.50	16.32	17.60
10	256QAM	1	25	16.18	16.30	16.17	17.60
10	256QAM	1	49	16.30	16.51	16.27	17.60
10	256QAM	25	0	16.39	16.54	16.39	17.60
10	256QAM	25	12	16.20	16.37	16.12	17.60
10	256QAM	25	25	16.30	16.40	16.32	17.60
10	256QAM	50	0	16.21	16.40	16.27	17.60
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	21.42	21.56	21.36	22.60
5	QPSK	1	12	21.31	21.38	21.25	22.60
5	QPSK	1	24	21.08	21.28	21.09	22.60
5	QPSK	12	0	20.47	20.53	20.48	21.60
5	QPSK	12	7	20.20	20.28	20.24	21.60
5	QPSK	12	13	20.29	20.39	20.16	21.60
5	QPSK	25	0	20.33	20.53	20.33	21.60
5	16QAM	1	0	20.33	20.55	20.38	21.60
5	16QAM	1	12	20.20	20.37	20.19	21.60
5	16QAM	1	24	20.35	20.55	20.29	21.60
5	16QAM	12	0	19.42	19.55	19.27	20.60
5	16QAM	12	7	19.27	19.40	19.21	20.60
5	16QAM	12	13	19.34	19.55	19.39	20.60
5	16QAM	25	0	19.19	19.42	19.24	20.60
5	64QAM	1	0	19.30	19.46	19.32	20.60
5	64QAM	1	12	19.30	19.44	19.26	20.60
5	64QAM	1	24	19.34	19.45	19.26	20.60
5	64QAM	12	0	18.40	18.49	18.36	19.60
5	64QAM	12	7	18.13	18.40	18.29	19.60
5	64QAM	12	13	18.29	18.39	18.17	19.60
5	64QAM	25	0	18.50	18.48	18.28	19.60



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	1	0	16.37	16.47	16.27	17.60
5	256QAM	1	12	16.18	16.42	16.13	17.60
5	256QAM	1	24	16.34	16.48	16.30	17.60
5	256QAM	12	0	16.37	16.52	16.37	17.60
5	256QAM	12	7	16.28	16.31	16.09	17.60
5	256QAM	12	13	16.26	16.51	16.35	17.60
5	256QAM	25	0	16.20	16.29	16.22	17.60
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.46	21.57	21.37	22.60
3	QPSK	1	8	21.23	21.45	21.30	22.60
3	QPSK	1	14	21.12	21.22	21.01	22.60
3	QPSK	8	0	20.51	20.54	20.54	21.60
3	QPSK	8	4	20.24	20.28	20.17	21.60
3	QPSK	8	7	20.38	20.41	20.26	21.60
3	QPSK	15	0	20.35	20.52	20.39	21.60
3	16QAM	1	0	20.31	20.53	20.41	21.60
3	16QAM	1	8	20.17	20.29	20.20	21.60
3	16QAM	1	14	20.31	20.46	20.29	21.60
3	16QAM	8	0	19.38	19.60	19.26	20.60
3	16QAM	8	4	19.23	19.39	19.20	20.60
3	16QAM	8	7	19.47	19.58	19.44	20.60
3	16QAM	15	0	19.29	19.46	19.29	20.60
3	64QAM	1	0	19.30	19.38	19.24	20.60
3	64QAM	1	8	19.34	19.39	19.26	20.60
3	64QAM	1	14	19.36	19.44	19.20	20.60
3	64QAM	8	0	18.41	18.58	18.29	19.60
3	64QAM	8	4	18.21	18.36	18.24	19.60
3	64QAM	8	7	18.22	18.33	18.30	19.60
3	64QAM	15	0	18.42	18.57	18.32	19.60
3	256QAM	1	0	16.29	16.44	16.30	17.60
3	256QAM	1	8	16.12	16.39	16.23	17.60
3	256QAM	1	14	16.37	16.56	16.32	17.60
3	256QAM	8	0	16.40	16.53	16.34	17.60
3	256QAM	8	4	16.28	16.37	16.18	17.60
3	256QAM	8	7	16.24	16.43	16.27	17.60
3	256QAM	15	0	16.15	16.29	16.28	17.60
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.45	21.50	21.38	22.60
1.4	QPSK	1	3	21.22	21.46	21.29	22.60
1.4	QPSK	1	5	21.06	21.26	21.04	22.60
1.4	QPSK	3	0	21.57	21.54	21.54	22.60
1.4	QPSK	3	1	21.26	21.29	21.28	22.60
1.4	QPSK	3	3	21.27	21.50	21.28	22.60
1.4	QPSK	6	0	20.41	20.50	20.38	21.60
1.4	16QAM	1	0	20.25	20.53	20.32	21.60
1.4	16QAM	1	3	20.19	20.38	20.24	21.60
1.4	16QAM	1	5	20.36	20.56	20.33	21.60
1.4	16QAM	3	0	20.31	20.47	20.34	21.60
1.4	16QAM	3	1	20.30	20.45	20.31	21.60
1.4	16QAM	3	3	20.48	20.60	20.37	21.60
1.4	16QAM	6	0	19.32	19.51	19.30	20.60
1.4	64QAM	1	0	19.20	19.43	19.35	20.60
1.4	64QAM	1	3	19.32	19.38	19.34	20.60
1.4	64QAM	1	5	19.38	19.48	19.26	20.60
1.4	64QAM	3	0	19.35	19.44	19.27	20.60
1.4	64QAM	3	1	19.22	19.36	19.27	20.60
1.4	64QAM	3	3	19.18	19.33	19.20	20.60
1.4	64QAM	6	0	18.42	18.53	18.29	19.60
1.4	256QAM	1	0	16.30	16.42	16.38	17.60
1.4	256QAM	1	3	16.22	16.31	16.09	17.60
1.4	256QAM	1	5	16.28	16.46	16.27	17.60
1.4	256QAM	3	0	16.29	16.52	16.38	17.60
1.4	256QAM	3	1	16.31	16.37	16.11	17.60
1.4	256QAM	3	3	16.23	16.49	16.32	17.60
1.4	256QAM	6	0	16.21	16.40	16.24	17.60



【LTE Band 2_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	14.83	14.88	14.81	16.30
20	QPSK	1	49	14.69	14.73	14.71	16.30
20	QPSK	1	99	14.71	14.78	14.68	16.30
20	QPSK	50	0	14.74	14.87	14.71	16.30
20	QPSK	50	24	14.78	14.82	14.62	16.30
20	QPSK	50	50	14.72	14.74	14.74	16.30
20	QPSK	100	0	14.78	14.69	14.65	16.30
20	16QAM	1	0	14.66	14.73	14.69	16.30
20	16QAM	1	49	14.68	14.72	14.64	16.30
20	16QAM	1	99	14.69	14.68	14.73	16.30
20	16QAM	50	0	14.67	14.73	14.73	16.30
20	16QAM	50	24	14.73	14.71	14.67	16.30
20	16QAM	50	50	14.67	14.67	14.79	16.30
20	16QAM	100	0	14.73	14.65	14.62	16.30
20	64QAM	1	0	14.67	14.81	14.63	16.30
20	64QAM	1	49	14.78	14.75	14.64	16.30
20	64QAM	1	99	14.66	14.68	14.65	16.30
20	64QAM	50	0	14.74	14.69	14.61	16.30
20	64QAM	50	24	14.64	14.76	14.69	16.30
20	64QAM	50	50	14.79	14.70	14.68	16.30
20	64QAM	100	0	14.77	14.70	14.72	16.30
20	256QAM	1	0	14.69	14.72	14.76	16.30
20	256QAM	1	49	14.85	14.67	14.73	16.30
20	256QAM	1	99	14.72	14.72	14.74	16.30
20	256QAM	50	0	14.72	14.70	14.71	16.30
20	256QAM	50	24	14.69	14.75	14.67	16.30
20	256QAM	50	50	14.73	14.71	14.71	16.30
20	256QAM	100	0	14.65	14.75	14.67	16.30
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	14.79	14.83	14.67	16.30
15	QPSK	1	37	14.59	14.68	14.64	16.30
15	QPSK	1	74	14.56	14.70	14.64	16.30
15	QPSK	36	0	14.71	14.77	14.60	16.30
15	QPSK	36	20	14.64	14.71	14.54	16.30
15	QPSK	36	39	14.59	14.61	14.63	16.30
15	QPSK	75	0	14.73	14.64	14.54	16.30
15	16QAM	1	0	14.59	14.69	14.56	16.30
15	16QAM	1	37	14.65	14.66	14.49	16.30
15	16QAM	1	74	14.57	14.56	14.60	16.30
15	16QAM	36	0	14.56	14.63	14.70	16.30
15	16QAM	36	20	14.70	14.62	14.59	16.30
15	16QAM	36	39	14.65	14.57	14.71	16.30
15	16QAM	75	0	14.60	14.52	14.59	16.30
15	64QAM	1	0	14.65	14.72	14.55	16.30
15	64QAM	1	37	14.64	14.73	14.57	16.30
15	64QAM	1	74	14.57	14.64	14.63	16.30
15	64QAM	36	0	14.63	14.57	14.51	16.30
15	64QAM	36	20	14.49	14.62	14.60	16.30
15	64QAM	36	39	14.71	14.63	14.63	16.30
15	64QAM	75	0	14.65	14.55	14.62	16.30
15	256QAM	1	0	14.57	14.70	14.66	16.30
15	256QAM	1	37	14.72	14.62	14.64	16.30
15	256QAM	1	74	14.66	14.65	14.70	16.30
15	256QAM	36	0	14.62	14.67	14.59	16.30
15	256QAM	36	20	14.65	14.62	14.56	16.30
15	256QAM	36	39	14.71	14.69	14.69	16.30
15	256QAM	75	0	14.60	14.69	14.64	16.30
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	14.76	14.80	14.78	16.30
10	QPSK	1	25	14.61	14.72	14.62	16.30
10	QPSK	1	49	14.59	14.72	14.59	16.30
10	QPSK	25	0	14.66	14.75	14.65	16.30
10	QPSK	25	12	14.73	14.69	14.61	16.30
10	QPSK	25	25	14.64	14.59	14.73	16.30
10	QPSK	50	0	14.74	14.64	14.50	16.30
10	16QAM	1	0	14.58	14.72	14.58	16.30
10	16QAM	1	25	14.58	14.58	14.62	16.30
10	16QAM	1	49	14.65	14.63	14.69	16.30
10	16QAM	25	0	14.59	14.68	14.66	16.30



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	14.60	14.58	14.64	16.30
10	16QAM	25	25	14.61	14.65	14.78	16.30
10	16QAM	50	0	14.60	14.53	14.54	16.30
10	64QAM	1	0	14.65	14.79	14.54	16.30
10	64QAM	1	25	14.68	14.72	14.62	16.30
10	64QAM	1	49	14.54	14.65	14.55	16.30
10	64QAM	25	0	14.61	14.59	14.56	16.30
10	64QAM	25	12	14.53	14.71	14.63	16.30
10	64QAM	25	25	14.76	14.56	14.54	16.30
10	64QAM	50	0	14.72	14.67	14.61	16.30
10	256QAM	1	0	14.65	14.62	14.70	16.30
10	256QAM	1	25	14.73	14.62	14.60	16.30
10	256QAM	1	49	14.65	14.59	14.73	16.30
10	256QAM	25	0	14.64	14.69	14.61	16.30
10	256QAM	25	12	14.64	14.71	14.64	16.30
10	256QAM	25	25	14.66	14.60	14.70	16.30
10	256QAM	50	0	14.59	14.60	14.58	16.30
Channel				18625	18900	19175	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	QPSK	1	0	14.70	14.74	14.77	16.30
5	QPSK	1	12	14.65	14.60	14.61	16.30
5	QPSK	1	24	14.62	14.68	14.66	16.30
5	QPSK	12	0	14.65	14.82	14.62	16.30
5	QPSK	12	7	14.75	14.80	14.51	16.30
5	QPSK	12	13	14.58	14.68	14.64	16.30
5	QPSK	25	0	14.69	14.61	14.59	16.30
5	16QAM	1	0	14.54	14.69	14.56	16.30
5	16QAM	1	12	14.65	14.68	14.53	16.30
5	16QAM	1	24	14.59	14.58	14.67	16.30
5	16QAM	12	0	14.54	14.60	14.59	16.30
5	16QAM	12	7	14.66	14.67	14.63	16.30
5	16QAM	12	13	14.62	14.52	14.75	16.30
5	16QAM	25	0	14.63	14.57	14.53	16.30
5	64QAM	1	0	14.56	14.76	14.56	16.30
5	64QAM	1	12	14.67	14.61	14.54	16.30
5	64QAM	1	24	14.58	14.66	14.51	16.30
5	64QAM	12	0	14.68	14.65	14.46	16.30
5	64QAM	12	7	14.62	14.70	14.55	16.30
5	64QAM	12	13	14.66	14.66	14.54	16.30
5	64QAM	25	0	14.74	14.57	14.57	16.30
5	256QAM	1	0	14.64	14.57	14.64	16.30
5	256QAM	1	12	14.72	14.54	14.69	16.30
5	256QAM	1	24	14.71	14.70	14.61	16.30
5	256QAM	12	0	14.57	14.59	14.67	16.30
5	256QAM	12	7	14.62	14.60	14.61	16.30
5	256QAM	12	13	14.62	14.58	14.62	16.30
5	256QAM	25	0	14.58	14.61	14.57	16.30
Channel				18615	18900	19185	Tune-up limit
Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	14.72	14.74	14.68	16.30
3	QPSK	1	8	14.60	14.70	14.58	16.30
3	QPSK	1	14	14.68	14.67	14.64	16.30
3	QPSK	8	0	14.68	14.77	14.64	16.30
3	QPSK	8	4	14.71	14.69	14.58	16.30
3	QPSK	8	7	14.69	14.66	14.67	16.30
3	QPSK	15	0	14.67	14.64	14.62	16.30
3	16QAM	1	0	14.64	14.61	14.59	16.30
3	16QAM	1	8	14.65	14.63	14.54	16.30
3	16QAM	1	14	14.60	14.55	14.71	16.30
3	16QAM	8	0	14.56	14.62	14.64	16.30
3	16QAM	8	4	14.66	14.67	14.60	16.30
3	16QAM	8	7	14.66	14.59	14.76	16.30
3	16QAM	15	0	14.71	14.56	14.47	16.30
3	64QAM	1	0	14.58	14.69	14.53	16.30
3	64QAM	1	8	14.64	14.72	14.54	16.30
3	64QAM	1	14	14.53	14.53	14.51	16.30
3	64QAM	8	0	14.61	14.61	14.59	16.30
3	64QAM	8	4	14.51	14.73	14.60	16.30
3	64QAM	8	7	14.76	14.69	14.57	16.30
3	64QAM	15	0	14.71	14.59	14.64	16.30
3	256QAM	1	0	14.68	14.61	14.66	16.30
3	256QAM	1	8	14.76	14.57	14.65	16.30
3	256QAM	1	14	14.71	14.63	14.72	16.30
3	256QAM	8	0	14.62	14.63	14.69	16.30
3	256QAM	8	4	14.60	14.69	14.63	16.30
3	256QAM	8	7	14.64	14.58	14.62	16.30
3	256QAM	15	0	14.51	14.71	14.66	16.30
Channel				18607	18900	19193	Tune-up limit

Frequency (MHz)				1850.7	1880	1909.3	(dBm)
1.4	QPSK	1	0	14.80	14.85	14.76	16.30
1.4	QPSK	1	3	14.60	14.72	14.70	16.30
1.4	QPSK	1	5	14.58	14.65	14.65	16.30
1.4	QPSK	3	0	14.72	14.83	14.63	16.30
1.4	QPSK	3	1	14.67	14.80	14.51	16.30
1.4	QPSK	3	3	14.70	14.60	14.61	16.30
1.4	QPSK	6	0	14.76	14.61	14.64	16.30
1.4	16QAM	1	0	14.62	14.65	14.66	16.30
1.4	16QAM	1	3	14.57	14.69	14.61	16.30
1.4	16QAM	1	5	14.63	14.60	14.63	16.30
1.4	16QAM	3	0	14.63	14.65	14.59	16.30
1.4	16QAM	3	1	14.62	14.61	14.63	16.30
1.4	16QAM	3	3	14.59	14.64	14.71	16.30
1.4	16QAM	6	0	14.66	14.51	14.52	16.30
1.4	64QAM	1	0	14.63	14.67	14.59	16.30
1.4	64QAM	1	3	14.67	14.69	14.57	16.30
1.4	64QAM	1	5	14.52	14.64	14.58	16.30
1.4	64QAM	3	0	14.61	14.61	14.52	16.30
1.4	64QAM	3	1	14.62	14.65	14.59	16.30
1.4	64QAM	3	3	14.78	14.59	14.60	16.30
1.4	64QAM	6	0	14.68	14.68	14.61	16.30
1.4	256QAM	1	0	14.59	14.66	14.69	16.30
1.4	256QAM	1	3	14.83	14.64	14.59	16.30
1.4	256QAM	1	5	14.69	14.70	14.61	16.30
1.4	256QAM	3	0	14.65	14.60	14.65	16.30
1.4	256QAM	3	1	14.59	14.73	14.55	16.30
1.4	256QAM	3	3	14.70	14.67	14.64	16.30
1.4	256QAM	6	0	14.56	14.69	14.63	16.30

【LTE Band 4_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.09	22.13	22.11	23.00
20	QPSK	1	49	21.90	21.96	21.80	23.00
20	QPSK	1	99	21.90	21.97	21.84	23.00
20	QPSK	50	0	21.14	21.18	21.11	22.00
20	QPSK	50	24	20.82	20.94	20.82	22.00
20	QPSK	50	50	21.05	21.12	21.08	22.00
20	QPSK	100	0	20.92	21.09	21.03	22.00
20	16QAM	1	0	20.86	20.96	20.86	22.00
20	16QAM	1	49	20.87	21.01	20.91	22.00
20	16QAM	1	99	20.84	20.95	20.83	22.00
20	16QAM	50	0	19.85	19.93	19.81	21.00
20	16QAM	50	24	19.95	20.11	20.05	21.00
20	16QAM	50	50	19.97	20.14	20.03	21.00
20	16QAM	100	0	19.75	19.93	19.84	21.00
20	64QAM	1	0	19.91	19.99	19.84	21.00
20	64QAM	1	49	20.04	20.13	20.02	21.00
20	64QAM	1	99	20.02	20.12	19.98	21.00
20	64QAM	50	0	18.81	18.98	18.91	20.00
20	64QAM	50	24	18.96	19.08	19.04	20.00
20	64QAM	50	50	18.83	18.96	18.91	20.00
20	64QAM	100	0	18.93	19.07	19.02	20.00
20	256QAM	1	0	16.99	17.04	16.94	18.00
20	256QAM	1	49	16.79	16.95	16.83	18.00
20	256QAM	1	99	17.02	17.13	17.05	18.00
20	256QAM	50	0	16.85	17.02	16.90	18.00
20	256QAM	50	24	17.03	17.09	16.99	18.00
20	256QAM	50	50	16.98	17.07	16.92	18.00
20	256QAM	100	0	16.93	17.02	16.86	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.07	22.04	22.05	23.00
15	QPSK	1	37	21.83	21.92	21.72	23.00
15	QPSK	1	74	21.80	21.90	21.70	23.00
15	QPSK	36	0	21.09	21.13	21.01	22.00
15	QPSK	36	20	20.79	20.80	20.77	22.00
15	QPSK	36	39	20.96	21.06	21.04	22.00
15	QPSK	75	0	20.82	20.97	20.93	22.00



15	16QAM	1	0	20.80	20.87	20.78	22.00
15	16QAM	1	37	20.83	20.98	20.87	22.00
15	16QAM	1	74	20.81	20.93	20.79	22.00
15	16QAM	36	0	19.74	19.86	19.71	21.00
15	16QAM	36	20	19.81	20.10	19.91	21.00
15	16QAM	36	39	19.90	20.09	20.00	21.00
15	16QAM	75	0	19.70	19.78	19.74	21.00
15	64QAM	1	0	19.77	19.92	19.74	21.00
15	64QAM	1	37	20.03	20.03	20.01	21.00
15	64QAM	1	74	19.88	20.03	19.84	21.00
15	64QAM	36	0	18.73	18.91	18.86	20.00
15	64QAM	36	20	18.87	18.99	18.92	20.00
15	64QAM	36	39	18.69	18.87	18.84	20.00
15	64QAM	75	0	18.85	18.97	18.88	20.00
15	256QAM	1	0	16.87	17.00	16.84	18.00
15	256QAM	1	37	16.71	16.87	16.81	18.00
15	256QAM	1	74	16.89	17.07	16.96	18.00
15	256QAM	36	0	16.80	16.98	16.80	18.00
15	256QAM	36	20	16.94	17.00	16.86	18.00
15	256QAM	36	39	16.90	16.97	16.84	18.00
15	256QAM	75	0	16.88	16.99	16.71	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.97	22.03	21.97	23.00
10	QPSK	1	25	21.82	21.95	21.70	23.00
10	QPSK	1	49	21.80	21.86	21.77	23.00
10	QPSK	25	0	21.04	21.07	21.02	22.00
10	QPSK	25	12	20.72	20.81	20.77	22.00
10	QPSK	25	25	20.90	21.07	21.03	22.00
10	QPSK	50	0	20.90	20.99	20.89	22.00
10	16QAM	1	0	20.79	20.93	20.83	22.00
10	16QAM	1	25	20.73	20.90	20.90	22.00
10	16QAM	1	49	20.72	20.82	20.81	22.00
10	16QAM	25	0	19.71	19.81	19.80	21.00
10	16QAM	25	12	19.86	20.06	19.95	21.00
10	16QAM	25	25	19.84	20.04	19.90	21.00
10	16QAM	50	0	19.71	19.78	19.77	21.00
10	64QAM	1	0	19.87	19.91	19.72	21.00
10	64QAM	1	25	19.89	20.05	19.97	21.00
10	64QAM	1	49	19.97	19.99	19.92	21.00
10	64QAM	25	0	18.75	18.91	18.77	20.00
10	64QAM	25	12	18.86	18.96	18.96	20.00
10	64QAM	25	25	18.82	18.82	18.82	20.00
10	64QAM	50	0	18.82	18.94	18.92	20.00
10	256QAM	1	0	16.85	17.02	16.83	18.00
10	256QAM	1	25	16.75	16.82	16.68	18.00
10	256QAM	1	49	16.98	17.06	16.95	18.00
10	256QAM	25	0	16.72	16.95	16.75	18.00
10	256QAM	25	12	16.98	17.07	16.96	18.00
10	256QAM	25	25	16.95	16.99	16.87	18.00
10	256QAM	50	0	16.84	16.88	16.78	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.99	22.04	22.08	23.00
5	QPSK	1	12	21.82	21.94	21.69	23.00
5	QPSK	1	24	21.87	21.96	21.74	23.00
5	QPSK	12	0	21.06	21.04	21.01	22.00
5	QPSK	12	7	20.75	20.92	20.75	22.00
5	QPSK	12	13	20.96	21.07	20.93	22.00
5	QPSK	25	0	20.78	21.03	20.99	22.00
5	16QAM	1	0	20.74	20.87	20.85	22.00
5	16QAM	1	12	20.74	20.91	20.80	22.00
5	16QAM	1	24	20.73	20.84	20.81	22.00
5	16QAM	12	0	19.72	19.83	19.73	21.00
5	16QAM	12	7	19.91	19.98	19.95	21.00
5	16QAM	12	13	19.94	20.08	19.93	21.00
5	16QAM	25	0	19.64	19.92	19.71	21.00
5	64QAM	1	0	19.88	19.97	19.76	21.00
5	64QAM	1	12	19.92	20.10	19.97	21.00
5	64QAM	1	24	19.94	20.11	19.84	21.00
5	64QAM	12	0	18.79	18.91	18.85	20.00
5	64QAM	12	7	18.83	19.05	18.93	20.00
5	64QAM	12	13	18.72	18.83	18.85	20.00
5	64QAM	25	0	18.79	18.95	19.00	20.00
5	256QAM	1	0	16.84	16.90	16.84	18.00
5	256QAM	1	12	16.66	16.92	16.72	18.00
5	256QAM	1	24	16.92	17.01	17.03	18.00
5	256QAM	12	0	16.74	16.93	16.85	18.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	16.94	17.05	16.96	18.00
5	256QAM	12	13	16.88	17.00	16.86	18.00
5	256QAM	25	0	16.79	16.92	16.79	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.08	22.03	22.02	23.00
3	QPSK	1	8	21.77	21.91	21.75	23.00
3	QPSK	1	14	21.84	21.93	21.82	23.00
3	QPSK	8	0	21.07	21.12	20.97	22.00
3	QPSK	8	4	20.70	20.80	20.72	22.00
3	QPSK	8	7	20.99	21.05	21.00	22.00
3	QPSK	15	0	20.79	20.97	21.00	22.00
3	16QAM	1	0	20.83	20.94	20.82	22.00
3	16QAM	1	8	20.82	20.92	20.82	22.00
3	16QAM	1	14	20.79	20.89	20.78	22.00
3	16QAM	8	0	19.77	19.88	19.75	21.00
3	16QAM	8	4	19.81	20.05	20.00	21.00
3	16QAM	8	7	19.88	20.12	19.93	21.00
3	16QAM	15	0	19.61	19.90	19.82	21.00
3	64QAM	1	0	19.89	19.94	19.74	21.00
3	64QAM	1	8	19.92	20.00	19.96	21.00
3	64QAM	1	14	19.99	20.00	19.95	21.00
3	64QAM	8	0	18.78	18.95	18.86	20.00
3	64QAM	8	4	18.94	19.00	18.91	20.00
3	64QAM	8	7	18.80	18.92	18.85	20.00
3	64QAM	15	0	18.90	18.98	18.93	20.00
3	256QAM	1	0	16.96	16.92	16.91	18.00
3	256QAM	1	8	16.67	16.90	16.80	18.00
3	256QAM	1	14	16.97	16.99	16.93	18.00
3	256QAM	8	0	16.84	17.00	16.77	18.00
3	256QAM	8	4	17.02	17.03	16.86	18.00
3	256QAM	8	7	16.94	17.03	16.83	18.00
3	256QAM	15	0	16.90	16.95	16.78	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.96	22.11	22.00	23.00
1.4	QPSK	1	3	21.86	21.82	21.68	23.00
1.4	QPSK	1	5	21.82	21.93	21.71	23.00
1.4	QPSK	3	0	22.00	22.13	22.09	23.00
1.4	QPSK	3	1	21.75	21.87	21.72	23.00
1.4	QPSK	3	3	21.99	22.01	22.07	23.00
1.4	QPSK	6	0	20.88	20.96	20.98	22.00
1.4	16QAM	1	0	20.72	20.87	20.82	22.00
1.4	16QAM	1	3	20.75	20.92	20.77	22.00
1.4	16QAM	1	5	20.74	20.88	20.79	22.00
1.4	16QAM	3	0	20.77	20.89	20.69	22.00
1.4	16QAM	3	1	20.85	21.01	20.97	22.00
1.4	16QAM	3	3	20.92	21.08	20.94	22.00
1.4	16QAM	6	0	19.61	19.79	19.78	21.00
1.4	64QAM	1	0	19.85	19.92	19.71	21.00
1.4	64QAM	1	3	19.94	19.99	19.99	21.00
1.4	64QAM	1	5	19.89	20.07	19.88	21.00
1.4	64QAM	3	0	19.75	19.93	19.87	21.00
1.4	64QAM	3	1	19.94	19.99	20.00	21.00
1.4	64QAM	3	3	19.78	19.95	19.82	21.00
1.4	64QAM	6	0	18.84	18.92	18.91	20.00
1.4	256QAM	1	0	16.95	16.89	16.87	18.00
1.4	256QAM	1	3	16.66	16.82	16.77	18.00
1.4	256QAM	1	5	16.96	17.12	17.03	18.00
1.4	256QAM	3	0	16.81	16.96	16.83	18.00
1.4	256QAM	3	1	16.88	17.00	16.92	18.00
1.4	256QAM	3	3	16.89	16.94	16.80	18.00
1.4	256QAM	6	0	16.91	16.94	16.79	18.00

【LTE Band 4_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.09	22.13	22.11	23.00
20	QPSK	1	49	21.90	21.96	21.80	23.00
20	QPSK	1	99	21.90	21.97	21.84	23.00



FCC SAR Test Report

Report No. : FA5N1310

20	QPSK	50	0	21.14	21.18	21.11	22.00
20	QPSK	50	24	20.82	20.94	20.82	22.00
20	QPSK	50	50	21.05	21.12	21.08	22.00
20	QPSK	100	0	20.92	21.09	21.03	22.00
20	16QAM	1	0	20.86	20.96	20.86	22.00
20	16QAM	1	49	20.87	21.01	20.91	22.00
20	16QAM	1	99	20.84	20.95	20.83	22.00
20	16QAM	50	0	19.85	19.93	19.81	21.00
20	16QAM	50	24	19.95	20.11	20.05	21.00
20	16QAM	50	50	19.97	20.14	20.03	21.00
20	16QAM	100	0	19.75	19.93	19.84	21.00
20	64QAM	1	0	19.91	19.99	19.84	21.00
20	64QAM	1	49	20.04	20.13	20.02	21.00
20	64QAM	1	99	20.02	20.12	19.98	21.00
20	64QAM	50	0	18.81	18.98	18.91	20.00
20	64QAM	50	24	18.96	19.08	19.04	20.00
20	64QAM	50	50	18.83	18.96	18.91	20.00
20	64QAM	100	0	18.93	19.07	19.02	20.00
20	256QAM	1	0	16.99	17.04	16.94	18.00
20	256QAM	1	49	16.79	16.95	16.83	18.00
20	256QAM	1	99	17.02	17.13	17.05	18.00
20	256QAM	50	0	16.85	17.02	16.90	18.00
20	256QAM	50	24	17.03	17.09	16.99	18.00
20	256QAM	50	50	16.98	17.07	16.92	18.00
20	256QAM	100	0	16.93	17.02	16.86	18.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	22.07	22.04	22.05	23.00
15	QPSK	1	37	21.83	21.92	21.72	23.00
15	QPSK	1	74	21.80	21.90	21.70	23.00
15	QPSK	36	0	21.09	21.13	21.01	22.00
15	QPSK	36	20	20.79	20.80	20.77	22.00
15	QPSK	36	39	20.96	21.06	21.04	22.00
15	QPSK	75	0	20.82	20.97	20.93	22.00
15	16QAM	1	0	20.80	20.87	20.78	22.00
15	16QAM	1	37	20.83	20.98	20.87	22.00
15	16QAM	1	74	20.81	20.93	20.79	22.00
15	16QAM	36	0	19.74	19.86	19.71	21.00
15	16QAM	36	20	19.81	20.10	19.91	21.00
15	16QAM	36	39	19.90	20.09	20.00	21.00
15	16QAM	75	0	19.70	19.78	19.74	21.00
15	64QAM	1	0	19.77	19.92	19.74	21.00
15	64QAM	1	37	20.03	20.03	20.01	21.00
15	64QAM	1	74	19.88	20.03	19.84	21.00
15	64QAM	36	0	18.73	18.91	18.86	20.00
15	64QAM	36	20	18.87	18.99	18.92	20.00
15	64QAM	36	39	18.69	18.87	18.84	20.00
15	64QAM	75	0	18.85	18.97	18.88	20.00
15	256QAM	1	0	16.87	17.00	16.84	18.00
15	256QAM	1	37	16.71	16.87	16.81	18.00
15	256QAM	1	74	16.89	17.07	16.96	18.00
15	256QAM	36	0	16.80	16.98	16.80	18.00
15	256QAM	36	20	16.94	17.00	16.86	18.00
15	256QAM	36	39	16.90	16.97	16.84	18.00
15	256QAM	75	0	16.88	16.99	16.71	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.97	22.03	21.97	23.00
10	QPSK	1	25	21.82	21.95	21.70	23.00
10	QPSK	1	49	21.80	21.86	21.77	23.00
10	QPSK	25	0	21.04	21.07	21.02	22.00
10	QPSK	25	12	20.72	20.81	20.77	22.00
10	QPSK	25	25	20.90	21.07	21.03	22.00
10	QPSK	50	0	20.90	20.99	20.89	22.00
10	16QAM	1	0	20.79	20.93	20.83	22.00
10	16QAM	1	25	20.73	20.90	20.90	22.00
10	16QAM	1	49	20.72	20.82	20.81	22.00
10	16QAM	25	0	19.71	19.81	19.80	21.00
10	16QAM	25	12	19.86	20.06	19.95	21.00
10	16QAM	25	25	19.84	20.04	19.90	21.00
10	16QAM	50	0	19.71	19.78	19.77	21.00
10	64QAM	1	0	19.87	19.91	19.72	21.00
10	64QAM	1	25	19.89	20.05	19.97	21.00
10	64QAM	1	49	19.97	19.99	19.92	21.00
10	64QAM	25	0	18.75	18.91	18.77	20.00
10	64QAM	25	12	18.86	18.96	18.96	20.00
10	64QAM	25	25	18.82	18.82	18.82	20.00
10	64QAM	50	0	18.82	18.94	18.92	20.00



10	256QAM	1	0	16.85	17.02	16.83	18.00
10	256QAM	1	25	16.75	16.82	16.68	18.00
10	256QAM	1	49	16.98	17.06	16.95	18.00
10	256QAM	25	0	16.72	16.95	16.75	18.00
10	256QAM	25	12	16.98	17.07	16.96	18.00
10	256QAM	25	25	16.95	16.99	16.87	18.00
10	256QAM	50	0	16.84	16.88	16.78	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.99	22.04	22.08	23.00
5	QPSK	1	12	21.82	21.94	21.69	23.00
5	QPSK	1	24	21.87	21.96	21.74	23.00
5	QPSK	12	0	21.06	21.04	21.01	22.00
5	QPSK	12	7	20.75	20.92	20.75	22.00
5	QPSK	12	13	20.96	21.07	20.93	22.00
5	QPSK	25	0	20.78	21.03	20.99	22.00
5	16QAM	1	0	20.74	20.87	20.85	22.00
5	16QAM	1	12	20.74	20.91	20.80	22.00
5	16QAM	1	24	20.73	20.84	20.81	22.00
5	16QAM	12	0	19.72	19.83	19.73	21.00
5	16QAM	12	7	19.91	19.98	19.95	21.00
5	16QAM	12	13	19.94	20.08	19.93	21.00
5	16QAM	25	0	19.64	19.92	19.71	21.00
5	64QAM	1	0	19.88	19.97	19.76	21.00
5	64QAM	1	12	19.92	20.10	19.97	21.00
5	64QAM	1	24	19.94	20.11	19.84	21.00
5	64QAM	12	0	18.79	18.91	18.85	20.00
5	64QAM	12	7	18.83	19.05	18.93	20.00
5	64QAM	12	13	18.72	18.83	18.85	20.00
5	64QAM	25	0	18.79	18.95	19.00	20.00
5	256QAM	1	0	16.84	16.90	16.84	18.00
5	256QAM	1	12	16.66	16.92	16.72	18.00
5	256QAM	1	24	16.92	17.01	17.03	18.00
5	256QAM	12	0	16.74	16.93	16.85	18.00
5	256QAM	12	7	16.94	17.05	16.96	18.00
5	256QAM	12	13	16.88	17.00	16.86	18.00
5	256QAM	25	0	16.79	16.92	16.79	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.08	22.03	22.02	23.00
3	QPSK	1	8	21.77	21.91	21.75	23.00
3	QPSK	1	14	21.84	21.93	21.82	23.00
3	QPSK	8	0	21.07	21.12	20.97	22.00
3	QPSK	8	4	20.70	20.80	20.72	22.00
3	QPSK	8	7	20.99	21.05	21.00	22.00
3	QPSK	15	0	20.79	20.97	21.00	22.00
3	16QAM	1	0	20.83	20.94	20.82	22.00
3	16QAM	1	8	20.82	20.92	20.82	22.00
3	16QAM	1	14	20.79	20.89	20.78	22.00
3	16QAM	8	0	19.77	19.88	19.75	21.00
3	16QAM	8	4	19.81	20.05	20.00	21.00
3	16QAM	8	7	19.88	20.12	19.93	21.00
3	16QAM	15	0	19.61	19.90	19.82	21.00
3	64QAM	1	0	19.89	19.94	19.74	21.00
3	64QAM	1	8	19.92	20.00	19.96	21.00
3	64QAM	1	14	19.99	20.00	19.95	21.00
3	64QAM	8	0	18.78	18.95	18.86	20.00
3	64QAM	8	4	18.94	19.00	18.91	20.00
3	64QAM	8	7	18.80	18.92	18.85	20.00
3	64QAM	15	0	18.90	18.98	18.93	20.00
3	256QAM	1	0	16.96	16.92	16.91	18.00
3	256QAM	1	8	16.67	16.90	16.80	18.00
3	256QAM	1	14	16.97	16.99	16.93	18.00
3	256QAM	8	0	16.84	17.00	16.77	18.00
3	256QAM	8	4	17.02	17.03	16.86	18.00
3	256QAM	8	7	16.94	17.03	16.83	18.00
3	256QAM	15	0	16.90	16.95	16.78	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.96	22.11	22.00	23.00
1.4	QPSK	1	3	21.86	21.82	21.68	23.00
1.4	QPSK	1	5	21.82	21.93	21.71	23.00
1.4	QPSK	3	0	22.00	22.13	22.09	23.00
1.4	QPSK	3	1	21.75	21.87	21.72	23.00
1.4	QPSK	3	3	21.99	22.01	22.07	23.00
1.4	QPSK	6	0	20.88	20.96	20.98	22.00
1.4	16QAM	1	0	20.72	20.87	20.82	22.00
1.4	16QAM	1	3	20.75	20.92	20.77	22.00



1.4	16QAM	1	5	20.74	20.88	20.79	22.00
1.4	16QAM	3	0	20.77	20.89	20.69	22.00
1.4	16QAM	3	1	20.85	21.01	20.97	22.00
1.4	16QAM	3	3	20.92	21.08	20.94	22.00
1.4	16QAM	6	0	19.61	19.79	19.78	21.00
1.4	64QAM	1	0	19.85	19.92	19.71	21.00
1.4	64QAM	1	3	19.94	19.99	19.99	21.00
1.4	64QAM	1	5	19.89	20.07	19.88	21.00
1.4	64QAM	3	0	19.75	19.93	19.87	21.00
1.4	64QAM	3	1	19.94	19.99	20.00	21.00
1.4	64QAM	3	3	19.78	19.95	19.82	21.00
1.4	64QAM	6	0	18.84	18.92	18.91	20.00
1.4	256QAM	1	0	16.95	16.89	16.87	18.00
1.4	256QAM	1	3	16.66	16.82	16.77	18.00
1.4	256QAM	1	5	16.96	17.12	17.03	18.00
1.4	256QAM	3	0	16.81	16.96	16.83	18.00
1.4	256QAM	3	1	16.88	17.00	16.92	18.00
1.4	256QAM	3	3	16.89	16.94	16.80	18.00
1.4	256QAM	6	0	16.91	16.94	16.79	18.00

【LTE Band 4_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				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	19.92	20.00	19.86	20.80
20	QPSK	1	49	19.68	19.81	19.65	20.80
20	QPSK	1	99	19.67	19.82	19.55	20.80
20	QPSK	50	0	19.78	19.90	19.80	20.80
20	QPSK	50	24	19.56	19.76	19.49	20.80
20	QPSK	50	50	19.62	19.78	19.63	20.80
20	QPSK	100	0	19.71	19.75	19.68	20.80
20	16QAM	1	0	19.61	19.77	19.60	20.80
20	16QAM	1	49	19.54	19.73	19.46	20.80
20	16QAM	1	99	19.54	19.72	19.55	20.80
20	16QAM	50	0	19.66	19.84	19.66	20.80
20	16QAM	50	24	19.60	19.80	19.58	20.80
20	16QAM	50	50	19.64	19.74	19.51	20.80
20	16QAM	100	0	19.65	19.77	19.53	20.80
20	64QAM	1	0	19.60	19.72	19.44	20.80
20	64QAM	1	49	19.68	19.80	19.64	20.80
20	64QAM	1	99	19.78	19.87	19.72	20.80
20	64QAM	50	0	18.73	18.82	18.57	20.00
20	64QAM	50	24	18.69	18.83	18.61	20.00
20	64QAM	50	50	18.66	18.84	18.57	20.00
20	64QAM	100	0	18.75	18.84	18.57	20.00
20	256QAM	1	0	16.75	16.86	16.72	18.00
20	256QAM	1	49	16.58	16.79	16.53	18.00
20	256QAM	1	99	16.73	16.87	16.62	18.00
20	256QAM	50	0	16.57	16.76	16.52	18.00
20	256QAM	50	24	16.70	16.89	16.74	18.00
20	256QAM	50	50	16.73	16.89	16.73	18.00
20	256QAM	100	0	16.60	16.77	16.55	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.78	19.96	19.78	20.80
15	QPSK	1	37	19.60	19.74	19.52	20.80
15	QPSK	1	74	19.64	19.71	19.47	20.80
15	QPSK	36	0	19.72	19.89	19.76	20.80
15	QPSK	36	20	19.51	19.73	19.43	20.80
15	QPSK	36	39	19.60	19.64	19.57	20.80
15	QPSK	75	0	19.58	19.69	19.60	20.80
15	16QAM	1	0	19.60	19.72	19.54	20.80
15	16QAM	1	37	19.40	19.66	19.33	20.80
15	16QAM	1	74	19.41	19.62	19.42	20.80
15	16QAM	36	0	19.58	19.78	19.59	20.80
15	16QAM	36	20	19.51	19.70	19.53	20.80
15	16QAM	36	39	19.52	19.64	19.39	20.80
15	16QAM	75	0	19.52	19.62	19.50	20.80
15	64QAM	1	0	19.50	19.59	19.37	20.80
15	64QAM	1	37	19.63	19.66	19.52	20.80
15	64QAM	1	74	19.74	19.76	19.68	20.80



FCC SAR Test Report

Report No. : FA5N1310

15	64QAM	36	0	18.63	18.70	18.44	20.00
15	64QAM	36	20	18.62	18.72	18.57	20.00
15	64QAM	36	39	18.63	18.69	18.44	20.00
15	64QAM	75	0	18.60	18.74	18.52	20.00
15	256QAM	1	0	16.63	16.82	16.61	18.00
15	256QAM	1	37	16.54	16.76	16.46	18.00
15	256QAM	1	74	16.72	16.85	16.48	18.00
15	256QAM	36	0	16.56	16.64	16.37	18.00
15	256QAM	36	20	16.68	16.78	16.66	18.00
15	256QAM	36	39	16.62	16.75	16.61	18.00
15	256QAM	75	0	16.46	16.62	16.53	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.83	19.86	19.72	20.80
10	QPSK	1	25	19.58	19.67	19.61	20.80
10	QPSK	1	49	19.65	19.79	19.49	20.80
10	QPSK	25	0	19.73	19.75	19.72	20.80
10	QPSK	25	12	19.53	19.63	19.37	20.80
10	QPSK	25	25	19.54	19.70	19.57	20.80
10	QPSK	50	0	19.65	19.73	19.60	20.80
10	16QAM	1	0	19.52	19.65	19.47	20.80
10	16QAM	1	25	19.42	19.72	19.43	20.80
10	16QAM	1	49	19.42	19.70	19.48	20.80
10	16QAM	25	0	19.52	19.79	19.65	20.80
10	16QAM	25	12	19.56	19.69	19.44	20.80
10	16QAM	25	25	19.58	19.64	19.37	20.80
10	16QAM	50	0	19.59	19.64	19.41	20.80
10	64QAM	1	0	19.53	19.60	19.38	20.80
10	64QAM	1	25	19.61	19.77	19.55	20.80
10	64QAM	1	49	19.64	19.80	19.66	20.80
10	64QAM	25	0	18.62	18.72	18.55	20.00
10	64QAM	25	12	18.65	18.72	18.48	20.00
10	64QAM	25	25	18.62	18.75	18.43	20.00
10	64QAM	50	0	18.71	18.75	18.55	20.00
10	256QAM	1	0	16.66	16.80	16.67	18.00
10	256QAM	1	25	16.47	16.65	16.46	18.00
10	256QAM	1	49	16.61	16.74	16.49	18.00
10	256QAM	25	0	16.50	16.72	16.38	18.00
10	256QAM	25	12	16.68	16.81	16.63	18.00
10	256QAM	25	25	16.61	16.86	16.61	18.00
10	256QAM	50	0	16.59	16.69	16.45	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.80	19.97	19.84	20.80
5	QPSK	1	12	19.65	19.73	19.63	20.80
5	QPSK	1	24	19.62	19.77	19.43	20.80
5	QPSK	12	0	19.65	19.80	19.74	20.80
5	QPSK	12	7	19.43	19.63	19.47	20.80
5	QPSK	12	13	19.57	19.64	19.58	20.80
5	QPSK	25	0	19.70	19.73	19.66	20.80
5	16QAM	1	0	19.49	19.74	19.50	20.80
5	16QAM	1	12	19.39	19.64	19.38	20.80
5	16QAM	1	24	19.40	19.59	19.47	20.80
5	16QAM	12	0	19.52	19.70	19.56	20.80
5	16QAM	12	7	19.57	19.78	19.47	20.80
5	16QAM	12	13	19.53	19.63	19.45	20.80
5	16QAM	25	0	19.63	19.64	19.46	20.80
5	64QAM	1	0	19.52	19.68	19.32	20.80
5	64QAM	1	12	19.65	19.68	19.58	20.80
5	64QAM	1	24	19.75	19.72	19.68	20.80
5	64QAM	12	0	18.62	18.74	18.48	20.00
5	64QAM	12	7	18.67	18.82	18.49	20.00
5	64QAM	12	13	18.53	18.78	18.45	20.00
5	64QAM	25	0	18.71	18.76	18.47	20.00
5	256QAM	1	0	16.73	16.79	16.68	18.00
5	256QAM	1	12	16.44	16.72	16.48	18.00
5	256QAM	1	24	16.62	16.74	16.47	18.00
5	256QAM	12	0	16.54	16.69	16.38	18.00
5	256QAM	12	7	16.65	16.86	16.68	18.00
5	256QAM	12	13	16.64	16.84	16.71	18.00
5	256QAM	25	0	16.50	16.75	16.53	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.81	19.91	19.77	20.80
3	QPSK	1	8	19.60	19.77	19.53	20.80
3	QPSK	1	14	19.62	19.77	19.42	20.80
3	QPSK	8	0	19.66	19.75	19.69	20.80
3	QPSK	8	4	19.42	19.69	19.37	20.80



3	QPSK	8	7	19.55	19.64	19.62	20.80
3	QPSK	15	0	19.60	19.68	19.57	20.80
3	16QAM	1	0	19.54	19.69	19.54	20.80
3	16QAM	1	8	19.44	19.65	19.43	20.80
3	16QAM	1	14	19.49	19.66	19.42	20.80
3	16QAM	8	0	19.64	19.73	19.54	20.80
3	16QAM	8	4	19.51	19.78	19.54	20.80
3	16QAM	8	7	19.57	19.66	19.45	20.80
3	16QAM	15	0	19.54	19.68	19.47	20.80
3	64QAM	1	0	19.53	19.70	19.33	20.80
3	64QAM	1	8	19.66	19.73	19.52	20.80
3	64QAM	1	14	19.76	19.84	19.69	20.80
3	64QAM	8	0	18.61	18.68	18.44	20.00
3	64QAM	8	4	18.55	18.68	18.56	20.00
3	64QAM	8	7	18.61	18.71	18.51	20.00
3	64QAM	15	0	18.74	18.78	18.43	20.00
3	256QAM	1	0	16.64	16.83	16.70	18.00
3	256QAM	1	8	16.55	16.78	16.51	18.00
3	256QAM	1	14	16.66	16.79	16.58	18.00
3	256QAM	8	0	16.54	16.73	16.45	18.00
3	256QAM	8	4	16.63	16.83	16.60	18.00
3	256QAM	8	7	16.70	16.85	16.69	18.00
3	256QAM	15	0	16.56	16.76	16.50	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.81	19.88	19.83	20.80
1.4	QPSK	1	3	19.63	19.69	19.59	20.80
1.4	QPSK	1	5	19.56	19.72	19.52	20.80
1.4	QPSK	3	0	19.73	19.88	19.69	20.80
1.4	QPSK	3	1	19.49	19.62	19.44	20.80
1.4	QPSK	3	3	19.57	19.77	19.59	20.80
1.4	QPSK	6	0	19.65	19.71	19.54	20.80
1.4	16QAM	1	0	19.57	19.75	19.54	20.80
1.4	16QAM	1	3	19.44	19.58	19.40	20.80
1.4	16QAM	1	5	19.52	19.62	19.45	20.80
1.4	16QAM	3	0	19.56	19.76	19.57	20.80
1.4	16QAM	3	1	19.46	19.73	19.50	20.80
1.4	16QAM	3	3	19.49	19.63	19.47	20.80
1.4	16QAM	6	0	19.54	19.69	19.48	20.80
1.4	64QAM	1	0	19.55	19.68	19.42	20.80
1.4	64QAM	1	3	19.58	19.78	19.53	20.80
1.4	64QAM	1	5	19.69	19.83	19.62	20.80
1.4	64QAM	3	0	19.68	19.69	19.45	20.80
1.4	64QAM	3	1	19.59	19.75	19.55	20.80
1.4	64QAM	3	3	19.53	19.70	19.52	20.80
1.4	64QAM	6	0	18.70	18.73	18.51	20.00
1.4	256QAM	1	0	16.70	16.77	16.65	18.00
1.4	256QAM	1	3	16.45	16.76	16.44	18.00
1.4	256QAM	1	5	16.64	16.80	16.57	18.00
1.4	256QAM	3	0	16.48	16.71	16.46	18.00
1.4	256QAM	3	1	16.59	16.77	16.68	18.00
1.4	256QAM	3	3	16.66	16.81	16.68	18.00
1.4	256QAM	6	0	16.57	16.70	16.45	18.00

【LTE Band 4_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				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.09	22.13	22.11	23.00
20	QPSK	1	49	21.90	21.96	21.80	23.00
20	QPSK	1	99	21.90	21.97	21.84	23.00
20	QPSK	50	0	21.14	21.18	21.11	22.00
20	QPSK	50	24	20.82	20.94	20.82	22.00
20	QPSK	50	50	21.05	21.12	21.08	22.00
20	QPSK	100	0	20.92	21.09	21.03	22.00
20	16QAM	1	0	20.86	20.96	20.86	22.00
20	16QAM	1	49	20.87	21.01	20.91	22.00
20	16QAM	1	99	20.84	20.95	20.83	22.00
20	16QAM	50	0	19.85	19.93	19.81	21.00
20	16QAM	50	24	19.95	20.11	20.05	21.00
20	16QAM	50	50	19.97	20.14	20.03	21.00



FCC SAR Test Report

Report No. : FA5N1310

20	16QAM	100	0	19.75	19.93	19.84	21.00
20	64QAM	1	0	19.91	19.99	19.84	21.00
20	64QAM	1	49	20.04	20.13	20.02	21.00
20	64QAM	1	99	20.02	20.12	19.98	21.00
20	64QAM	50	0	18.81	18.98	18.91	20.00
20	64QAM	50	24	18.96	19.08	19.04	20.00
20	64QAM	50	50	18.83	18.96	18.91	20.00
20	64QAM	100	0	18.93	19.07	19.02	20.00
20	256QAM	1	0	16.99	17.04	16.94	18.00
20	256QAM	1	49	16.79	16.95	16.83	18.00
20	256QAM	1	99	17.02	17.13	17.05	18.00
20	256QAM	50	0	16.85	17.02	16.90	18.00
20	256QAM	50	24	17.03	17.09	16.99	18.00
20	256QAM	50	50	16.98	17.07	16.92	18.00
20	256QAM	100	0	16.93	17.02	16.86	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.07	22.04	22.05	23.00
15	QPSK	1	37	21.83	21.92	21.72	23.00
15	QPSK	1	74	21.80	21.90	21.70	23.00
15	QPSK	36	0	21.09	21.13	21.01	22.00
15	QPSK	36	20	20.79	20.80	20.77	22.00
15	QPSK	36	39	20.96	21.06	21.04	22.00
15	QPSK	75	0	20.82	20.97	20.93	22.00
15	16QAM	1	0	20.80	20.87	20.78	22.00
15	16QAM	1	37	20.83	20.98	20.87	22.00
15	16QAM	1	74	20.81	20.93	20.79	22.00
15	16QAM	36	0	19.74	19.86	19.71	21.00
15	16QAM	36	20	19.81	20.10	19.91	21.00
15	16QAM	36	39	19.90	20.09	20.00	21.00
15	16QAM	75	0	19.70	19.78	19.74	21.00
15	64QAM	1	0	19.77	19.92	19.74	21.00
15	64QAM	1	37	20.03	20.03	20.01	21.00
15	64QAM	1	74	19.88	20.03	19.84	21.00
15	64QAM	36	0	18.73	18.91	18.86	20.00
15	64QAM	36	20	18.87	18.99	18.92	20.00
15	64QAM	36	39	18.69	18.87	18.84	20.00
15	64QAM	75	0	18.85	18.97	18.88	20.00
15	256QAM	1	0	16.87	17.00	16.84	18.00
15	256QAM	1	37	16.71	16.87	16.81	18.00
15	256QAM	1	74	16.89	17.07	16.96	18.00
15	256QAM	36	0	16.80	16.98	16.80	18.00
15	256QAM	36	20	16.94	17.00	16.86	18.00
15	256QAM	36	39	16.90	16.97	16.84	18.00
15	256QAM	75	0	16.88	16.99	16.71	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.97	22.03	21.97	23.00
10	QPSK	1	25	21.82	21.95	21.70	23.00
10	QPSK	1	49	21.80	21.86	21.77	23.00
10	QPSK	25	0	21.04	21.07	21.02	22.00
10	QPSK	25	12	20.72	20.81	20.77	22.00
10	QPSK	25	25	20.90	21.07	21.03	22.00
10	QPSK	50	0	20.90	20.99	20.89	22.00
10	16QAM	1	0	20.79	20.93	20.83	22.00
10	16QAM	1	25	20.73	20.90	20.90	22.00
10	16QAM	1	49	20.72	20.82	20.81	22.00
10	16QAM	25	0	19.71	19.81	19.80	21.00
10	16QAM	25	12	19.86	20.06	19.95	21.00
10	16QAM	25	25	19.84	20.04	19.90	21.00
10	16QAM	50	0	19.71	19.78	19.77	21.00
10	64QAM	1	0	19.87	19.91	19.72	21.00
10	64QAM	1	25	19.89	20.05	19.97	21.00
10	64QAM	1	49	19.97	19.99	19.92	21.00
10	64QAM	25	0	18.75	18.91	18.77	20.00
10	64QAM	25	12	18.86	18.96	18.96	20.00
10	64QAM	25	25	18.82	18.82	18.82	20.00
10	64QAM	50	0	18.82	18.94	18.92	20.00
10	256QAM	1	0	16.85	17.02	16.83	18.00
10	256QAM	1	25	16.75	16.82	16.68	18.00
10	256QAM	1	49	16.98	17.06	16.95	18.00
10	256QAM	25	0	16.72	16.95	16.75	18.00
10	256QAM	25	12	16.98	17.07	16.96	18.00
10	256QAM	25	25	16.95	16.99	16.87	18.00
10	256QAM	50	0	16.84	16.88	16.78	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.99	22.04	22.08	23.00



FCC SAR Test Report

Report No. : FA5N1310

5	QPSK	1	12	21.82	21.94	21.69	23.00
5	QPSK	1	24	21.87	21.96	21.74	23.00
5	QPSK	12	0	21.06	21.04	21.01	22.00
5	QPSK	12	7	20.75	20.92	20.75	22.00
5	QPSK	12	13	20.96	21.07	20.93	22.00
5	QPSK	25	0	20.78	21.03	20.99	22.00
5	16QAM	1	0	20.74	20.87	20.85	22.00
5	16QAM	1	12	20.74	20.91	20.80	22.00
5	16QAM	1	24	20.73	20.84	20.81	22.00
5	16QAM	12	0	19.72	19.83	19.73	21.00
5	16QAM	12	7	19.91	19.98	19.95	21.00
5	16QAM	12	13	19.94	20.08	19.93	21.00
5	16QAM	25	0	19.64	19.92	19.71	21.00
5	64QAM	1	0	19.88	19.97	19.76	21.00
5	64QAM	1	12	19.92	20.10	19.97	21.00
5	64QAM	1	24	19.94	20.11	19.84	21.00
5	64QAM	12	0	18.79	18.91	18.85	20.00
5	64QAM	12	7	18.83	19.05	18.93	20.00
5	64QAM	12	13	18.72	18.83	18.85	20.00
5	64QAM	25	0	18.79	18.95	19.00	20.00
5	256QAM	1	0	16.84	16.90	16.84	18.00
5	256QAM	1	12	16.66	16.92	16.72	18.00
5	256QAM	1	24	16.92	17.01	17.03	18.00
5	256QAM	12	0	16.74	16.93	16.85	18.00
5	256QAM	12	7	16.94	17.05	16.96	18.00
5	256QAM	12	13	16.88	17.00	16.86	18.00
5	256QAM	25	0	16.79	16.92	16.79	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.08	22.03	22.02	23.00
3	QPSK	1	8	21.77	21.91	21.75	23.00
3	QPSK	1	14	21.84	21.93	21.82	23.00
3	QPSK	8	0	21.07	21.12	20.97	22.00
3	QPSK	8	4	20.70	20.80	20.72	22.00
3	QPSK	8	7	20.99	21.05	21.00	22.00
3	QPSK	15	0	20.79	20.97	21.00	22.00
3	16QAM	1	0	20.83	20.94	20.82	22.00
3	16QAM	1	8	20.82	20.92	20.82	22.00
3	16QAM	1	14	20.79	20.89	20.78	22.00
3	16QAM	8	0	19.77	19.88	19.75	21.00
3	16QAM	8	4	19.81	20.05	20.00	21.00
3	16QAM	8	7	19.88	20.12	19.93	21.00
3	16QAM	15	0	19.61	19.90	19.82	21.00
3	64QAM	1	0	19.89	19.94	19.74	21.00
3	64QAM	1	8	19.92	20.00	19.96	21.00
3	64QAM	1	14	19.99	20.00	19.95	21.00
3	64QAM	8	0	18.78	18.95	18.86	20.00
3	64QAM	8	4	18.94	19.00	18.91	20.00
3	64QAM	8	7	18.80	18.92	18.85	20.00
3	64QAM	15	0	18.90	18.98	18.93	20.00
3	256QAM	1	0	16.96	16.92	16.91	18.00
3	256QAM	1	8	16.67	16.90	16.80	18.00
3	256QAM	1	14	16.97	16.99	16.93	18.00
3	256QAM	8	0	16.84	17.00	16.77	18.00
3	256QAM	8	4	17.02	17.03	16.86	18.00
3	256QAM	8	7	16.94	17.03	16.83	18.00
3	256QAM	15	0	16.90	16.95	16.78	18.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.96	22.11	22.00	23.00
1.4	QPSK	1	3	21.86	21.82	21.68	23.00
1.4	QPSK	1	5	21.82	21.93	21.71	23.00
1.4	QPSK	3	0	22.00	22.13	22.09	23.00
1.4	QPSK	3	1	21.75	21.87	21.72	23.00
1.4	QPSK	3	3	21.99	22.01	22.07	23.00
1.4	QPSK	6	0	20.88	20.96	20.98	22.00
1.4	16QAM	1	0	20.72	20.87	20.82	22.00
1.4	16QAM	1	3	20.75	20.92	20.77	22.00
1.4	16QAM	1	5	20.74	20.88	20.79	22.00
1.4	16QAM	3	0	20.77	20.89	20.69	22.00
1.4	16QAM	3	1	20.85	21.01	20.97	22.00
1.4	16QAM	3	3	20.92	21.08	20.94	22.00
1.4	16QAM	6	0	19.61	19.79	19.78	21.00
1.4	64QAM	1	0	19.85	19.92	19.71	21.00
1.4	64QAM	1	3	19.94	19.99	19.99	21.00
1.4	64QAM	1	5	19.89	20.07	19.88	21.00
1.4	64QAM	3	0	19.75	19.93	19.87	21.00
1.4	64QAM	3	1	19.94	19.99	20.00	21.00



1.4	64QAM	3	3	19.78	19.95	19.82	21.00
1.4	64QAM	6	0	18.84	18.92	18.91	20.00
1.4	256QAM	1	0	16.95	16.89	16.87	18.00
1.4	256QAM	1	3	16.66	16.82	16.77	18.00
1.4	256QAM	1	5	16.96	17.12	17.03	18.00
1.4	256QAM	3	0	16.81	16.96	16.83	18.00
1.4	256QAM	3	1	16.88	17.00	16.92	18.00
1.4	256QAM	3	3	16.89	16.94	16.80	18.00
1.4	256QAM	6	0	16.91	16.94	16.79	18.00

【LTE Band 4_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20050	Power Middle Ch. / Freq. 20175	Power High Ch. / Freq. 20300	Tune-up limit (dBm)
Channel				1720	1732.5	1745	23.00
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.09	22.13	22.11	23.00
20	QPSK	1	49	21.90	21.96	21.80	23.00
20	QPSK	1	99	21.90	21.97	21.84	23.00
20	QPSK	50	0	21.14	21.18	21.11	22.00
20	QPSK	50	24	20.82	20.94	20.82	22.00
20	QPSK	50	50	21.05	21.12	21.08	22.00
20	QPSK	100	0	20.92	21.09	21.03	22.00
20	16QAM	1	0	20.86	20.96	20.86	22.00
20	16QAM	1	49	20.87	21.01	20.91	22.00
20	16QAM	1	99	20.84	20.95	20.83	22.00
20	16QAM	50	0	19.85	19.93	19.81	21.00
20	16QAM	50	24	19.95	20.11	20.05	21.00
20	16QAM	50	50	19.97	20.14	20.03	21.00
20	16QAM	100	0	19.75	19.93	19.84	21.00
20	64QAM	1	0	19.91	19.99	19.84	21.00
20	64QAM	1	49	20.04	20.13	20.02	21.00
20	64QAM	1	99	20.02	20.12	19.98	21.00
20	64QAM	50	0	18.81	18.98	18.91	20.00
20	64QAM	50	24	18.96	19.08	19.04	20.00
20	64QAM	50	50	18.83	18.96	18.91	20.00
20	64QAM	100	0	18.93	19.07	19.02	20.00
20	256QAM	1	0	16.99	17.04	16.94	18.00
20	256QAM	1	49	16.79	16.95	16.83	18.00
20	256QAM	1	99	17.02	17.13	17.05	18.00
20	256QAM	50	0	16.85	17.02	16.90	18.00
20	256QAM	50	24	17.03	17.09	16.99	18.00
20	256QAM	50	50	16.98	17.07	16.92	18.00
20	256QAM	100	0	16.93	17.02	16.86	18.00
Channel				20025	20175	20325	23.00
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.07	22.04	22.05	23.00
15	QPSK	1	37	21.83	21.92	21.72	23.00
15	QPSK	1	74	21.80	21.90	21.70	23.00
15	QPSK	36	0	21.09	21.13	21.01	22.00
15	QPSK	36	20	20.79	20.80	20.77	22.00
15	QPSK	36	39	20.96	21.06	21.04	22.00
15	QPSK	75	0	20.82	20.97	20.93	22.00
15	16QAM	1	0	20.80	20.87	20.78	22.00
15	16QAM	1	37	20.83	20.98	20.87	22.00
15	16QAM	1	74	20.81	20.93	20.79	22.00
15	16QAM	36	0	19.74	19.86	19.71	21.00
15	16QAM	36	20	19.81	20.10	19.91	21.00
15	16QAM	36	39	19.90	20.09	20.00	21.00
15	16QAM	75	0	19.70	19.78	19.74	21.00
15	64QAM	1	0	19.77	19.92	19.74	21.00
15	64QAM	1	37	20.03	20.03	20.01	21.00
15	64QAM	1	74	19.88	20.03	19.84	21.00
15	64QAM	36	0	18.73	18.91	18.86	20.00
15	64QAM	36	20	18.87	18.99	18.92	20.00
15	64QAM	36	39	18.69	18.87	18.84	20.00
15	64QAM	75	0	18.85	18.97	18.88	20.00
15	256QAM	1	0	16.87	17.00	16.84	18.00
15	256QAM	1	37	16.71	16.87	16.81	18.00
15	256QAM	1	74	16.89	17.07	16.96	18.00
15	256QAM	36	0	16.80	16.98	16.80	18.00
15	256QAM	36	20	16.94	17.00	16.86	18.00
15	256QAM	36	39	16.90	16.97	16.84	18.00



FCC SAR Test Report

Report No. : FA5N1310

15	256QAM	75	0	16.88	16.99	16.71	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.97	22.03	21.97	23.00
10	QPSK	1	25	21.82	21.95	21.70	23.00
10	QPSK	1	49	21.80	21.86	21.77	23.00
10	QPSK	25	0	21.04	21.07	21.02	22.00
10	QPSK	25	12	20.72	20.81	20.77	22.00
10	QPSK	25	25	20.90	21.07	21.03	22.00
10	QPSK	50	0	20.90	20.99	20.89	22.00
10	16QAM	1	0	20.79	20.93	20.83	22.00
10	16QAM	1	25	20.73	20.90	20.90	22.00
10	16QAM	1	49	20.72	20.82	20.81	22.00
10	16QAM	25	0	19.71	19.81	19.80	21.00
10	16QAM	25	12	19.86	20.06	19.95	21.00
10	16QAM	25	25	19.84	20.04	19.90	21.00
10	16QAM	50	0	19.71	19.78	19.77	21.00
10	64QAM	1	0	19.87	19.91	19.72	21.00
10	64QAM	1	25	19.89	20.05	19.97	21.00
10	64QAM	1	49	19.97	19.99	19.92	21.00
10	64QAM	25	0	18.75	18.91	18.77	20.00
10	64QAM	25	12	18.86	18.96	18.96	20.00
10	64QAM	25	25	18.82	18.82	18.82	20.00
10	64QAM	50	0	18.82	18.94	18.92	20.00
10	256QAM	1	0	16.85	17.02	16.83	18.00
10	256QAM	1	25	16.75	16.82	16.68	18.00
10	256QAM	1	49	16.98	17.06	16.95	18.00
10	256QAM	25	0	16.72	16.95	16.75	18.00
10	256QAM	25	12	16.98	17.07	16.96	18.00
10	256QAM	25	25	16.95	16.99	16.87	18.00
10	256QAM	50	0	16.84	16.88	16.78	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.99	22.04	22.08	23.00
5	QPSK	1	12	21.82	21.94	21.69	23.00
5	QPSK	1	24	21.87	21.96	21.74	23.00
5	QPSK	12	0	21.06	21.04	21.01	22.00
5	QPSK	12	7	20.75	20.92	20.75	22.00
5	QPSK	12	13	20.96	21.07	20.93	22.00
5	QPSK	25	0	20.78	21.03	20.99	22.00
5	16QAM	1	0	20.74	20.87	20.85	22.00
5	16QAM	1	12	20.74	20.91	20.80	22.00
5	16QAM	1	24	20.73	20.84	20.81	22.00
5	16QAM	12	0	19.72	19.83	19.73	21.00
5	16QAM	12	7	19.91	19.98	19.95	21.00
5	16QAM	12	13	19.94	20.08	19.93	21.00
5	16QAM	25	0	19.64	19.92	19.71	21.00
5	64QAM	1	0	19.88	19.97	19.76	21.00
5	64QAM	1	12	19.92	20.10	19.97	21.00
5	64QAM	1	24	19.94	20.11	19.84	21.00
5	64QAM	12	0	18.79	18.91	18.85	20.00
5	64QAM	12	7	18.83	19.05	18.93	20.00
5	64QAM	12	13	18.72	18.83	18.85	20.00
5	64QAM	25	0	18.79	18.95	19.00	20.00
5	256QAM	1	0	16.84	16.90	16.84	18.00
5	256QAM	1	12	16.66	16.92	16.72	18.00
5	256QAM	1	24	16.92	17.01	17.03	18.00
5	256QAM	12	0	16.74	16.93	16.85	18.00
5	256QAM	12	7	16.94	17.05	16.96	18.00
5	256QAM	12	13	16.88	17.00	16.86	18.00
5	256QAM	25	0	16.79	16.92	16.79	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.08	22.03	22.02	23.00
3	QPSK	1	8	21.77	21.91	21.75	23.00
3	QPSK	1	14	21.84	21.93	21.82	23.00
3	QPSK	8	0	21.07	21.12	20.97	22.00
3	QPSK	8	4	20.70	20.80	20.72	22.00
3	QPSK	8	7	20.99	21.05	21.00	22.00
3	QPSK	15	0	20.79	20.97	21.00	22.00
3	16QAM	1	0	20.83	20.94	20.82	22.00
3	16QAM	1	8	20.82	20.92	20.82	22.00
3	16QAM	1	14	20.79	20.89	20.78	22.00
3	16QAM	8	0	19.77	19.88	19.75	21.00
3	16QAM	8	4	19.81	20.05	20.00	21.00
3	16QAM	8	7	19.88	20.12	19.93	21.00
3	16QAM	15	0	19.61	19.90	19.82	21.00
3	64QAM	1	0	19.89	19.94	19.74	21.00



3	64QAM	1	8	19.92	20.00	19.96	21.00
3	64QAM	1	14	19.99	20.00	19.95	21.00
3	64QAM	8	0	18.78	18.95	18.86	20.00
3	64QAM	8	4	18.94	19.00	18.91	20.00
3	64QAM	8	7	18.80	18.92	18.85	20.00
3	64QAM	15	0	18.90	18.98	18.93	20.00
3	256QAM	1	0	16.96	16.92	16.91	18.00
3	256QAM	1	8	16.67	16.90	16.80	18.00
3	256QAM	1	14	16.97	16.99	16.93	18.00
3	256QAM	8	0	16.84	17.00	16.77	18.00
3	256QAM	8	4	17.02	17.03	16.86	18.00
3	256QAM	8	7	16.94	17.03	16.83	18.00
3	256QAM	15	0	16.90	16.95	16.78	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.96	22.11	22.00	23.00
1.4	QPSK	1	3	21.86	21.82	21.68	23.00
1.4	QPSK	1	5	21.82	21.93	21.71	23.00
1.4	QPSK	3	0	22.00	22.13	22.09	23.00
1.4	QPSK	3	1	21.75	21.87	21.72	23.00
1.4	QPSK	3	3	21.99	22.01	22.07	23.00
1.4	QPSK	6	0	20.88	20.96	20.98	22.00
1.4	16QAM	1	0	20.72	20.87	20.82	22.00
1.4	16QAM	1	3	20.75	20.92	20.77	22.00
1.4	16QAM	1	5	20.74	20.88	20.79	22.00
1.4	16QAM	3	0	20.77	20.89	20.69	22.00
1.4	16QAM	3	1	20.85	21.01	20.97	22.00
1.4	16QAM	3	3	20.92	21.08	20.94	22.00
1.4	16QAM	6	0	19.61	19.79	19.78	21.00
1.4	64QAM	1	0	19.85	19.92	19.71	21.00
1.4	64QAM	1	3	19.94	19.99	19.99	21.00
1.4	64QAM	1	5	19.89	20.07	19.88	21.00
1.4	64QAM	3	0	19.75	19.93	19.87	21.00
1.4	64QAM	3	1	19.94	19.99	20.00	21.00
1.4	64QAM	3	3	19.78	19.95	19.82	21.00
1.4	64QAM	6	0	18.84	18.92	18.91	20.00
1.4	256QAM	1	0	16.95	16.89	16.87	18.00
1.4	256QAM	1	3	16.66	16.82	16.77	18.00
1.4	256QAM	1	5	16.96	17.12	17.03	18.00
1.4	256QAM	3	0	16.81	16.96	16.83	18.00
1.4	256QAM	3	1	16.88	17.00	16.92	18.00
1.4	256QAM	3	3	16.89	16.94	16.80	18.00
1.4	256QAM	6	0	16.91	16.94	16.79	18.00

【LTE Band 4_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.42	18.53	18.39	19.60
20	QPSK	1	49	18.15	18.41	18.18	19.60
20	QPSK	1	99	18.11	18.36	18.19	19.60
20	QPSK	50	0	18.15	18.27	18.13	19.60
20	QPSK	50	24	18.15	18.27	18.04	19.60
20	QPSK	50	50	18.03	18.24	17.98	19.60
20	QPSK	100	0	18.21	18.38	18.22	19.60
20	16QAM	1	0	18.25	18.41	18.25	19.60
20	16QAM	1	49	18.06	18.27	18.03	19.60
20	16QAM	1	99	18.12	18.36	18.10	19.60
20	16QAM	50	0	18.16	18.36	18.12	19.60
20	16QAM	50	24	17.99	18.24	17.98	19.60
20	16QAM	50	50	18.08	18.31	18.06	19.60
20	16QAM	100	0	18.15	18.30	18.04	19.60
20	64QAM	1	0	18.08	18.31	18.13	19.60
20	64QAM	1	49	18.04	18.24	17.96	19.60
20	64QAM	1	99	18.05	18.30	18.14	19.60
20	64QAM	50	0	18.03	18.25	17.98	19.60
20	64QAM	50	24	18.11	18.28	18.00	19.60
20	64QAM	50	50	18.08	18.27	18.02	19.60
20	64QAM	100	0	18.06	18.30	18.03	19.60
20	256QAM	1	0	16.66	16.78	16.58	18.00
20	256QAM	1	49	16.64	16.78	16.53	18.00



FCC SAR Test Report

Report No. : FA5N1310

20	256QAM	1	99	16.56	16.79	16.53	18.00
20	256QAM	50	0	16.60	16.81	16.61	18.00
20	256QAM	50	24	16.69	16.92	16.67	18.00
20	256QAM	50	50	16.65	16.87	16.68	18.00
20	256QAM	100	0	16.57	16.78	16.52	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.38	18.40	18.30	19.60
15	QPSK	1	37	18.09	18.36	18.08	19.60
15	QPSK	1	74	18.01	18.32	18.16	19.60
15	QPSK	36	0	18.06	18.13	18.04	19.60
15	QPSK	36	20	18.08	18.25	17.91	19.60
15	QPSK	36	39	17.97	18.18	17.87	19.60
15	QPSK	75	0	18.17	18.36	18.16	19.60
15	16QAM	1	0	18.14	18.40	18.11	19.60
15	16QAM	1	37	18.01	18.25	18.00	19.60
15	16QAM	1	74	18.11	18.33	17.96	19.60
15	16QAM	36	0	18.06	18.27	18.06	19.60
15	16QAM	36	20	17.94	18.17	17.95	19.60
15	16QAM	36	39	18.02	18.24	17.98	19.60
15	16QAM	75	0	18.04	18.18	17.96	19.60
15	64QAM	1	0	17.96	18.25	18.02	19.60
15	64QAM	1	37	17.97	18.17	17.88	19.60
15	64QAM	1	74	17.94	18.23	18.11	19.60
15	64QAM	36	0	17.89	18.23	17.92	19.60
15	64QAM	36	20	18.03	18.26	17.93	19.60
15	64QAM	36	39	17.95	18.26	17.99	19.60
15	64QAM	75	0	18.00	18.18	17.90	19.60
15	256QAM	1	0	16.60	16.69	16.46	18.00
15	256QAM	1	37	16.54	16.66	16.50	18.00
15	256QAM	1	74	16.48	16.68	16.51	18.00
15	256QAM	36	0	16.50	16.75	16.51	18.00
15	256QAM	36	20	16.59	16.91	16.64	18.00
15	256QAM	36	39	16.60	16.74	16.61	18.00
15	256QAM	75	0	16.49	16.69	16.46	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.40	18.41	18.35	19.60
10	QPSK	1	25	18.05	18.35	18.04	19.60
10	QPSK	1	49	18.05	18.26	18.10	19.60
10	QPSK	25	0	18.05	18.14	18.08	19.60
10	QPSK	25	12	18.01	18.17	18.02	19.60
10	QPSK	25	25	17.89	18.19	17.84	19.60
10	QPSK	50	0	18.19	18.31	18.16	19.60
10	16QAM	1	0	18.13	18.30	18.19	19.60
10	16QAM	1	25	17.99	18.16	17.96	19.60
10	16QAM	1	49	18.00	18.26	18.01	19.60
10	16QAM	25	0	18.04	18.22	18.04	19.60
10	16QAM	25	12	17.88	18.20	17.84	19.60
10	16QAM	25	25	18.02	18.22	17.92	19.60
10	16QAM	50	0	18.00	18.18	17.94	19.60
10	64QAM	1	0	18.05	18.22	18.04	19.60
10	64QAM	1	25	17.96	18.12	17.89	19.60
10	64QAM	1	49	17.97	18.23	18.07	19.60
10	64QAM	25	0	17.98	18.20	17.95	19.60
10	64QAM	25	12	18.02	18.15	17.89	19.60
10	64QAM	25	25	17.95	18.18	17.90	19.60
10	64QAM	50	0	18.01	18.19	18.00	19.60
10	256QAM	1	0	16.61	16.64	16.48	18.00
10	256QAM	1	25	16.52	16.63	16.43	18.00
10	256QAM	1	49	16.46	16.75	16.40	18.00
10	256QAM	25	0	16.56	16.77	16.57	18.00
10	256QAM	25	12	16.59	16.89	16.57	18.00
10	256QAM	25	25	16.50	16.82	16.58	18.00
10	256QAM	50	0	16.54	16.70	16.42	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.28	18.50	18.31	19.60
5	QPSK	1	12	18.12	18.32	18.10	19.60
5	QPSK	1	24	17.97	18.34	18.15	19.60
5	QPSK	12	0	18.01	18.15	18.01	19.60
5	QPSK	12	7	18.02	18.17	17.97	19.60
5	QPSK	12	13	17.93	18.22	17.93	19.60
5	QPSK	25	0	18.09	18.28	18.20	19.60
5	16QAM	1	0	18.11	18.33	18.21	19.60
5	16QAM	1	12	17.92	18.16	17.89	19.60
5	16QAM	1	24	18.00	18.27	17.99	19.60
5	16QAM	12	0	18.04	18.32	18.01	19.60



FCC SAR Test Report

Report No. : FA5N1310

5	16QAM	12	7	17.87	18.22	17.83	19.60
5	16QAM	12	13	18.05	18.16	18.03	19.60
5	16QAM	25	0	18.11	18.19	17.98	19.60
5	64QAM	1	0	18.06	18.19	18.00	19.60
5	64QAM	1	12	17.94	18.20	17.81	19.60
5	64QAM	1	24	17.91	18.18	18.08	19.60
5	64QAM	12	0	17.97	18.20	17.90	19.60
5	64QAM	12	7	18.00	18.18	17.95	19.60
5	64QAM	12	13	18.01	18.25	17.92	19.60
5	64QAM	25	0	17.95	18.26	17.93	19.60
5	256QAM	1	0	16.63	16.68	16.53	18.00
5	256QAM	1	12	16.50	16.68	16.52	18.00
5	256QAM	1	24	16.45	16.76	16.47	18.00
5	256QAM	12	0	16.52	16.76	16.51	18.00
5	256QAM	12	7	16.62	16.78	16.61	18.00
5	256QAM	12	13	16.63	16.74	16.57	18.00
5	256QAM	25	0	16.49	16.70	16.43	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.34	18.41	18.28	19.60
3	QPSK	1	8	18.02	18.32	18.05	19.60
3	QPSK	1	14	18.07	18.33	18.08	19.60
3	QPSK	8	0	18.05	18.23	18.07	19.60
3	QPSK	8	4	18.06	18.19	17.93	19.60
3	QPSK	8	7	18.02	18.14	17.91	19.60
3	QPSK	15	0	18.11	18.28	18.18	19.60
3	16QAM	1	0	18.11	18.27	18.12	19.60
3	16QAM	1	8	18.01	18.15	18.01	19.60
3	16QAM	1	14	17.98	18.35	18.09	19.60
3	16QAM	8	0	18.05	18.35	18.01	19.60
3	16QAM	8	4	17.91	18.17	17.87	19.60
3	16QAM	8	7	18.04	18.27	17.94	19.60
3	16QAM	15	0	18.00	18.24	17.96	19.60
3	64QAM	1	0	17.95	18.18	18.03	19.60
3	64QAM	1	8	17.94	18.13	17.91	19.60
3	64QAM	1	14	17.97	18.17	18.04	19.60
3	64QAM	8	0	17.91	18.17	17.95	19.60
3	64QAM	8	4	18.00	18.13	17.94	19.60
3	64QAM	8	7	18.05	18.13	17.97	19.60
3	64QAM	15	0	18.03	18.28	17.90	19.60
3	256QAM	1	0	16.61	16.66	16.50	18.00
3	256QAM	1	8	16.50	16.72	16.39	18.00
3	256QAM	1	14	16.42	16.78	16.50	18.00
3	256QAM	8	0	16.51	16.78	16.53	18.00
3	256QAM	8	4	16.57	16.80	16.55	18.00
3	256QAM	8	7	16.54	16.78	16.66	18.00
3	256QAM	15	0	16.42	16.70	16.39	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.31	18.42	18.32	19.60
1.4	QPSK	1	3	18.13	18.37	18.06	19.60
1.4	QPSK	1	5	18.09	18.25	18.06	19.60
1.4	QPSK	3	0	18.10	18.21	18.11	19.60
1.4	QPSK	3	1	18.10	18.17	17.93	19.60
1.4	QPSK	3	3	17.89	18.19	17.92	19.60
1.4	QPSK	6	0	18.18	18.30	18.14	19.60
1.4	16QAM	1	0	18.10	18.27	18.16	19.60
1.4	16QAM	1	3	17.97	18.16	17.90	19.60
1.4	16QAM	1	5	18.02	18.22	18.05	19.60
1.4	16QAM	3	0	18.08	18.22	18.10	19.60
1.4	16QAM	3	1	17.86	18.21	17.85	19.60
1.4	16QAM	3	3	17.98	18.22	18.05	19.60
1.4	16QAM	6	0	18.11	18.16	18.00	19.60
1.4	64QAM	1	0	17.98	18.27	18.03	19.60
1.4	64QAM	1	3	17.96	18.12	17.90	19.60
1.4	64QAM	1	5	17.94	18.29	18.02	19.60
1.4	64QAM	3	0	17.97	18.18	17.83	19.60
1.4	64QAM	3	1	18.02	18.22	17.94	19.60
1.4	64QAM	3	3	17.94	18.24	17.90	19.60
1.4	64QAM	6	0	18.04	18.17	17.92	19.60
1.4	256QAM	1	0	16.60	16.68	16.53	18.00
1.4	256QAM	1	3	16.50	16.69	16.50	18.00
1.4	256QAM	1	5	16.48	16.68	16.42	18.00
1.4	256QAM	3	0	16.50	16.71	16.57	18.00
1.4	256QAM	3	1	16.55	16.87	16.56	18.00
1.4	256QAM	3	3	16.63	16.73	16.56	18.00
1.4	256QAM	6	0	16.52	16.76	16.38	18.00

【LTE Band 4_Ant 0_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.51	16.47	16.46	18.10
20	QPSK	1	49	16.36	16.46	16.36	18.10
20	QPSK	1	99	16.35	16.40	16.34	18.10
20	QPSK	50	0	16.38	16.46	16.27	18.10
20	QPSK	50	24	16.43	16.46	16.30	18.10
20	QPSK	50	50	16.35	16.34	16.29	18.10
20	QPSK	100	0	16.41	16.29	16.31	18.10
20	16QAM	1	0	16.29	16.33	16.28	18.10
20	16QAM	1	49	16.33	16.33	16.39	18.10
20	16QAM	1	99	16.39	16.39	16.31	18.10
20	16QAM	50	0	16.37	16.41	16.41	18.10
20	16QAM	50	24	16.36	16.44	16.29	18.10
20	16QAM	50	50	16.38	16.37	16.38	18.10
20	16QAM	100	0	16.34	16.41	16.23	18.10
20	64QAM	1	0	16.39	16.43	16.34	18.10
20	64QAM	1	49	16.45	16.32	16.34	18.10
20	64QAM	1	99	16.37	16.37	16.28	18.10
20	64QAM	50	0	16.29	16.40	16.38	18.10
20	64QAM	50	24	16.42	16.48	16.24	18.10
20	64QAM	50	50	16.35	16.33	16.38	18.10
20	64QAM	100	0	16.36	16.46	16.36	18.10
20	256QAM	1	0	16.30	16.39	16.42	18.00
20	256QAM	1	49	16.43	16.39	16.24	18.00
20	256QAM	1	99	16.47	16.41	16.38	18.00
20	256QAM	50	0	16.37	16.38	16.29	18.00
20	256QAM	50	24	16.35	16.42	16.36	18.00
20	256QAM	50	50	16.29	16.35	16.37	18.00
20	256QAM	100	0	16.37	16.49	16.33	18.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.44	16.46	16.32	18.10
15	QPSK	1	37	16.35	16.42	16.29	18.10
15	QPSK	1	74	16.23	16.26	16.20	18.10
15	QPSK	36	0	16.33	16.34	16.24	18.10
15	QPSK	36	20	16.31	16.43	16.25	18.10
15	QPSK	36	39	16.30	16.26	16.21	18.10
15	QPSK	75	0	16.31	16.18	16.22	18.10
15	16QAM	1	0	16.22	16.20	16.14	18.10
15	16QAM	1	37	16.27	16.32	16.38	18.10
15	16QAM	1	74	16.36	16.34	16.23	18.10
15	16QAM	36	0	16.32	16.26	16.33	18.10
15	16QAM	36	20	16.27	16.40	16.22	18.10
15	16QAM	36	39	16.35	16.35	16.26	18.10
15	16QAM	75	0	16.22	16.27	16.17	18.10
15	64QAM	1	0	16.38	16.36	16.20	18.10
15	64QAM	1	37	16.40	16.31	16.29	18.10
15	64QAM	1	74	16.26	16.32	16.21	18.10
15	64QAM	36	0	16.19	16.29	16.25	18.10
15	64QAM	36	20	16.34	16.43	16.17	18.10
15	64QAM	36	39	16.30	16.26	16.33	18.10
15	64QAM	75	0	16.26	16.39	16.31	18.10
15	256QAM	1	0	16.22	16.26	16.41	18.00
15	256QAM	1	37	16.37	16.36	16.11	18.00
15	256QAM	1	74	16.39	16.34	16.35	18.00
15	256QAM	36	0	16.24	16.36	16.19	18.00
15	256QAM	36	20	16.29	16.31	16.27	18.00
15	256QAM	36	39	16.22	16.21	16.35	18.00
15	256QAM	75	0	16.31	16.39	16.28	18.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.44	16.34	16.44	18.10
10	QPSK	1	25	16.29	16.40	16.32	18.10
10	QPSK	1	49	16.22	16.26	16.25	18.10
10	QPSK	25	0	16.35	16.42	16.17	18.10
10	QPSK	25	12	16.37	16.34	16.16	18.10
10	QPSK	25	25	16.28	16.26	16.24	18.10
10	QPSK	50	0	16.33	16.15	16.17	18.10



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	1	0	16.19	16.27	16.24	18.10
10	16QAM	1	25	16.25	16.19	16.38	18.10
10	16QAM	1	49	16.31	16.34	16.28	18.10
10	16QAM	25	0	16.34	16.38	16.29	18.10
10	16QAM	25	12	16.26	16.36	16.17	18.10
10	16QAM	25	25	16.31	16.27	16.27	18.10
10	16QAM	50	0	16.21	16.28	16.11	18.10
10	64QAM	1	0	16.27	16.29	16.25	18.10
10	64QAM	1	25	16.38	16.25	16.26	18.10
10	64QAM	1	49	16.29	16.30	16.24	18.10
10	64QAM	25	0	16.14	16.30	16.27	18.10
10	64QAM	25	12	16.35	16.41	16.21	18.10
10	64QAM	25	25	16.23	16.26	16.29	18.10
10	64QAM	50	0	16.30	16.38	16.34	18.10
10	256QAM	1	0	16.23	16.32	16.41	18.00
10	256QAM	1	25	16.38	16.30	16.21	18.00
10	256QAM	1	49	16.46	16.31	16.36	18.00
10	256QAM	25	0	16.32	16.25	16.24	18.00
10	256QAM	25	12	16.34	16.38	16.35	18.00
10	256QAM	25	25	16.21	16.25	16.30	18.00
10	256QAM	50	0	16.35	16.46	16.18	18.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	16.36	16.39	16.31	18.10
5	QPSK	1	12	16.28	16.45	16.27	18.10
5	QPSK	1	24	16.22	16.27	16.31	18.10
5	QPSK	12	0	16.36	16.39	16.24	18.10
5	QPSK	12	7	16.32	16.33	16.21	18.10
5	QPSK	12	13	16.32	16.24	16.25	18.10
5	QPSK	25	0	16.34	16.21	16.21	18.10
5	16QAM	1	0	16.27	16.26	16.16	18.10
5	16QAM	1	12	16.26	16.19	16.37	18.10
5	16QAM	1	24	16.29	16.36	16.27	18.10
5	16QAM	12	0	16.34	16.29	16.33	18.10
5	16QAM	12	7	16.32	16.38	16.23	18.10
5	16QAM	12	13	16.35	16.26	16.34	18.10
5	16QAM	25	0	16.23	16.32	16.11	18.10
5	64QAM	1	0	16.34	16.38	16.22	18.10
5	64QAM	1	12	16.31	16.17	16.19	18.10
5	64QAM	1	24	16.32	16.23	16.13	18.10
5	64QAM	12	0	16.27	16.25	16.32	18.10
5	64QAM	12	7	16.41	16.40	16.22	18.10
5	64QAM	12	13	16.30	16.24	16.26	18.10
5	64QAM	25	0	16.21	16.40	16.33	18.10
5	256QAM	1	0	16.29	16.28	16.37	18.00
5	256QAM	1	12	16.39	16.35	16.14	18.00
5	256QAM	1	24	16.33	16.40	16.33	18.00
5	256QAM	12	0	16.35	16.24	16.22	18.00
5	256QAM	12	7	16.30	16.27	16.34	18.00
5	256QAM	12	13	16.20	16.28	16.24	18.00
5	256QAM	25	0	16.28	16.45	16.24	18.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	16.43	16.45	16.32	18.10
3	QPSK	1	8	16.29	16.39	16.25	18.10
3	QPSK	1	14	16.29	16.30	16.32	18.10
3	QPSK	8	0	16.24	16.38	16.18	18.10
3	QPSK	8	4	16.38	16.32	16.19	18.10
3	QPSK	8	7	16.24	16.20	16.17	18.10
3	QPSK	15	0	16.34	16.28	16.27	18.10
3	16QAM	1	0	16.17	16.28	16.20	18.10
3	16QAM	1	8	16.22	16.26	16.28	18.10
3	16QAM	1	14	16.26	16.25	16.26	18.10
3	16QAM	8	0	16.26	16.38	16.30	18.10
3	16QAM	8	4	16.26	16.37	16.16	18.10
3	16QAM	8	7	16.35	16.24	16.24	18.10
3	16QAM	15	0	16.32	16.27	16.10	18.10
3	64QAM	1	0	16.30	16.38	16.28	18.10
3	64QAM	1	8	16.34	16.19	16.21	18.10
3	64QAM	1	14	16.31	16.24	16.19	18.10
3	64QAM	8	0	16.22	16.28	16.26	18.10
3	64QAM	8	4	16.36	16.43	16.17	18.10
3	64QAM	8	7	16.21	16.29	16.24	18.10
3	64QAM	15	0	16.30	16.44	16.27	18.10
3	256QAM	1	0	16.24	16.34	16.36	18.00
3	256QAM	1	8	16.31	16.32	16.12	18.00
3	256QAM	1	14	16.44	16.33	16.37	18.00
3	256QAM	8	0	16.30	16.29	16.19	18.00



3	256QAM	8	4	16.29	16.32	16.25	18.00
3	256QAM	8	7	16.22	16.33	16.22	18.00
3	256QAM	15	0	16.30	16.36	16.19	18.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.43	16.38	16.39	18.10
1.4	QPSK	1	3	16.31	16.36	16.27	18.10
1.4	QPSK	1	5	16.29	16.27	16.31	18.10
1.4	QPSK	3	0	16.25	16.34	16.25	18.10
1.4	QPSK	3	1	16.36	16.44	16.17	18.10
1.4	QPSK	3	3	16.22	16.27	16.16	18.10
1.4	QPSK	6	0	16.33	16.25	16.20	18.10
1.4	16QAM	1	0	16.23	16.19	16.16	18.10
1.4	16QAM	1	3	16.22	16.25	16.35	18.10
1.4	16QAM	1	5	16.34	16.32	16.21	18.10
1.4	16QAM	3	0	16.34	16.28	16.38	18.10
1.4	16QAM	3	1	16.34	16.32	16.23	18.10
1.4	16QAM	3	3	16.35	16.26	16.24	18.10
1.4	16QAM	6	0	16.26	16.30	16.16	18.10
1.4	64QAM	1	0	16.32	16.38	16.24	18.10
1.4	64QAM	1	3	16.39	16.19	16.33	18.10
1.4	64QAM	1	5	16.30	16.35	16.22	18.10
1.4	64QAM	3	0	16.22	16.36	16.24	18.10
1.4	64QAM	3	1	16.39	16.38	16.21	18.10
1.4	64QAM	3	3	16.28	16.23	16.28	18.10
1.4	64QAM	6	0	16.24	16.38	16.26	18.10
1.4	256QAM	1	0	16.19	16.25	16.30	18.00
1.4	256QAM	1	3	16.41	16.37	16.21	18.00
1.4	256QAM	1	5	16.35	16.33	16.32	18.00
1.4	256QAM	3	0	16.33	16.28	16.26	18.00
1.4	256QAM	3	1	16.33	16.27	16.34	18.00
1.4	256QAM	3	3	16.17	16.25	16.28	18.00
1.4	256QAM	6	0	16.24	16.40	16.23	18.00

【LTE Band 4_Ant 2_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	22.73	22.94	22.83	24.00
20	QPSK	1	49	22.31	22.64	22.47	24.00
20	QPSK	1	99	22.31	22.65	22.40	24.00
20	QPSK	50	0	21.91	21.96	21.88	23.00
20	QPSK	50	24	21.50	21.75	21.57	23.00
20	QPSK	50	50	21.58	21.83	21.65	23.00
20	QPSK	100	0	21.69	21.93	21.79	23.00
20	16QAM	1	0	21.60	21.85	21.68	23.00
20	16QAM	1	49	21.55	21.78	21.66	23.00
20	16QAM	1	99	21.42	21.75	21.60	23.00
20	16QAM	50	0	20.48	20.79	20.68	22.00
20	16QAM	50	24	20.59	20.81	20.58	22.00
20	16QAM	50	50	20.53	20.79	20.60	22.00
20	16QAM	100	0	20.46	20.76	20.59	22.00
20	64QAM	1	0	20.60	20.82	20.67	22.00
20	64QAM	1	49	20.57	20.89	20.76	22.00
20	64QAM	1	99	20.56	20.81	20.67	22.00
20	64QAM	50	0	19.59	19.79	19.58	21.00
20	64QAM	50	24	19.57	19.80	19.65	21.00
20	64QAM	50	50	19.69	19.92	19.81	21.00
20	64QAM	100	0	19.54	19.73	19.51	21.00
20	256QAM	1	0	17.56	17.84	17.74	19.00
20	256QAM	1	49	17.62	17.91	17.68	19.00
20	256QAM	1	99	17.68	17.96	17.78	19.00
20	256QAM	50	0	17.48	17.77	17.66	19.00
20	256QAM	50	24	17.60	17.90	17.73	19.00
20	256QAM	50	50	17.55	17.73	17.51	19.00
20	256QAM	100	0	17.62	17.93	17.72	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.58	22.80	22.68	24.00
15	QPSK	1	37	22.21	22.54	22.41	24.00
15	QPSK	1	74	22.28	22.56	22.39	24.00



FCC SAR Test Report

Report No. : FA5N1310

15	QPSK	36	0	21.76	21.89	21.87	23.00
15	QPSK	36	20	21.47	21.68	21.51	23.00
15	QPSK	36	39	21.48	21.80	21.58	23.00
15	QPSK	75	0	21.65	21.83	21.64	23.00
15	16QAM	1	0	21.51	21.74	21.54	23.00
15	16QAM	1	37	21.47	21.66	21.54	23.00
15	16QAM	1	74	21.37	21.71	21.55	23.00
15	16QAM	36	0	20.38	20.68	20.61	22.00
15	16QAM	36	20	20.57	20.79	20.52	22.00
15	16QAM	36	39	20.44	20.78	20.55	22.00
15	16QAM	75	0	20.33	20.67	20.56	22.00
15	64QAM	1	0	20.59	20.71	20.52	22.00
15	64QAM	1	37	20.56	20.75	20.64	22.00
15	64QAM	1	74	20.43	20.67	20.66	22.00
15	64QAM	36	0	19.45	19.70	19.50	21.00
15	64QAM	36	20	19.49	19.71	19.58	21.00
15	64QAM	36	39	19.59	19.77	19.69	21.00
15	64QAM	75	0	19.44	19.58	19.43	21.00
15	256QAM	1	0	17.45	17.70	17.72	19.00
15	256QAM	1	37	17.52	17.77	17.55	19.00
15	256QAM	1	74	17.65	17.89	17.75	19.00
15	256QAM	36	0	17.41	17.70	17.57	19.00
15	256QAM	36	20	17.47	17.79	17.63	19.00
15	256QAM	36	39	17.44	17.59	17.39	19.00
15	256QAM	75	0	17.59	17.89	17.63	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	22.63	22.88	22.74	24.00
10	QPSK	1	25	22.20	22.51	22.40	24.00
10	QPSK	1	49	22.17	22.54	22.29	24.00
10	QPSK	25	0	21.83	21.83	21.75	23.00
10	QPSK	25	12	21.35	21.69	21.53	23.00
10	QPSK	25	25	21.47	21.78	21.64	23.00
10	QPSK	50	0	21.66	21.91	21.66	23.00
10	16QAM	1	0	21.49	21.70	21.60	23.00
10	16QAM	1	25	21.47	21.71	21.60	23.00
10	16QAM	1	49	21.28	21.63	21.59	23.00
10	16QAM	25	0	20.37	20.73	20.59	22.00
10	16QAM	25	12	20.46	20.79	20.53	22.00
10	16QAM	25	25	20.45	20.76	20.50	22.00
10	16QAM	50	0	20.31	20.71	20.47	22.00
10	64QAM	1	0	20.55	20.69	20.54	22.00
10	64QAM	1	25	20.46	20.78	20.74	22.00
10	64QAM	1	49	20.43	20.77	20.60	22.00
10	64QAM	25	0	19.50	19.64	19.49	21.00
10	64QAM	25	12	19.46	19.72	19.59	21.00
10	64QAM	25	25	19.67	19.83	19.80	21.00
10	64QAM	50	0	19.40	19.68	19.48	21.00
10	256QAM	1	0	17.50	17.73	17.71	19.00
10	256QAM	1	25	17.60	17.78	17.61	19.00
10	256QAM	1	49	17.66	17.83	17.75	19.00
10	256QAM	25	0	17.38	17.68	17.54	19.00
10	256QAM	25	12	17.57	17.82	17.68	19.00
10	256QAM	25	25	17.47	17.61	17.45	19.00
10	256QAM	50	0	17.55	17.87	17.64	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.60	22.84	22.82	24.00
5	QPSK	1	12	22.27	22.53	22.33	24.00
5	QPSK	1	24	22.21	22.50	22.37	24.00
5	QPSK	12	0	21.76	21.87	21.76	23.00
5	QPSK	12	7	21.37	21.69	21.53	23.00
5	QPSK	12	13	21.52	21.70	21.51	23.00
5	QPSK	25	0	21.64	21.85	21.77	23.00
5	16QAM	1	0	21.54	21.72	21.59	23.00
5	16QAM	1	12	21.49	21.74	21.52	23.00
5	16QAM	1	24	21.33	21.67	21.47	23.00
5	16QAM	12	0	20.33	20.71	20.63	22.00
5	16QAM	12	7	20.45	20.72	20.48	22.00
5	16QAM	12	13	20.39	20.72	20.57	22.00
5	16QAM	25	0	20.34	20.67	20.47	22.00
5	64QAM	1	0	20.52	20.73	20.63	22.00
5	64QAM	1	12	20.54	20.85	20.67	22.00
5	64QAM	1	24	20.53	20.79	20.65	22.00
5	64QAM	12	0	19.51	19.71	19.52	21.00
5	64QAM	12	7	19.43	19.76	19.56	21.00
5	64QAM	12	13	19.61	19.79	19.72	21.00
5	64QAM	25	0	19.47	19.62	19.41	21.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	1	0	17.46	17.76	17.63	19.00
5	256QAM	1	12	17.52	17.89	17.61	19.00
5	256QAM	1	24	17.57	17.93	17.64	19.00
5	256QAM	12	0	17.34	17.73	17.56	19.00
5	256QAM	12	7	17.46	17.77	17.68	19.00
5	256QAM	12	13	17.53	17.71	17.41	19.00
5	256QAM	25	0	17.55	17.80	17.59	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.70	22.86	22.73	24.00
3	QPSK	1	8	22.27	22.57	22.37	24.00
3	QPSK	1	14	22.21	22.60	22.28	24.00
3	QPSK	8	0	21.86	21.87	21.80	23.00
3	QPSK	8	4	21.46	21.71	21.47	23.00
3	QPSK	8	7	21.48	21.72	21.60	23.00
3	QPSK	15	0	21.64	21.86	21.76	23.00
3	16QAM	1	0	21.58	21.82	21.61	23.00
3	16QAM	1	8	21.50	21.66	21.54	23.00
3	16QAM	1	14	21.37	21.65	21.55	23.00
3	16QAM	8	0	20.34	20.69	20.59	22.00
3	16QAM	8	4	20.48	20.77	20.47	22.00
3	16QAM	8	7	20.42	20.67	20.45	22.00
3	16QAM	15	0	20.35	20.68	20.48	22.00
3	64QAM	1	0	20.51	20.74	20.65	22.00
3	64QAM	1	8	20.55	20.80	20.63	22.00
3	64QAM	1	14	20.49	20.79	20.54	22.00
3	64QAM	8	0	19.54	19.69	19.50	21.00
3	64QAM	8	4	19.44	19.74	19.51	21.00
3	64QAM	8	7	19.57	19.88	19.67	21.00
3	64QAM	15	0	19.50	19.70	19.38	21.00
3	256QAM	1	0	17.54	17.69	17.61	19.00
3	256QAM	1	8	17.54	17.85	17.56	19.00
3	256QAM	1	14	17.59	17.88	17.72	19.00
3	256QAM	8	0	17.44	17.62	17.63	19.00
3	256QAM	8	4	17.47	17.83	17.59	19.00
3	256QAM	8	7	17.47	17.61	17.43	19.00
3	256QAM	15	0	17.59	17.79	17.70	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.60	22.82	22.78	24.00
1.4	QPSK	1	3	22.21	22.57	22.42	24.00
1.4	QPSK	1	5	22.24	22.55	22.38	24.00
1.4	QPSK	3	0	22.87	22.83	22.79	24.00
1.4	QPSK	3	1	22.38	22.69	22.47	24.00
1.4	QPSK	3	3	22.55	22.70	22.57	24.00
1.4	QPSK	6	0	21.59	21.91	21.74	23.00
1.4	16QAM	1	0	21.58	21.82	21.62	23.00
1.4	16QAM	1	3	21.46	21.71	21.53	23.00
1.4	16QAM	1	5	21.34	21.63	21.58	23.00
1.4	16QAM	3	0	21.42	21.71	21.56	23.00
1.4	16QAM	3	1	21.44	21.71	21.52	23.00
1.4	16QAM	3	3	21.45	21.78	21.52	23.00
1.4	16QAM	6	0	20.33	20.67	20.57	22.00
1.4	64QAM	1	0	20.52	20.69	20.64	22.00
1.4	64QAM	1	3	20.50	20.76	20.65	22.00
1.4	64QAM	1	5	20.48	20.67	20.59	22.00
1.4	64QAM	3	0	20.58	20.65	20.43	22.00
1.4	64QAM	3	1	20.43	20.66	20.50	22.00
1.4	64QAM	3	3	20.62	20.81	20.78	22.00
1.4	64QAM	6	0	19.52	19.66	19.45	21.00
1.4	256QAM	1	0	17.52	17.83	17.70	19.00
1.4	256QAM	1	3	17.59	17.78	17.56	19.00
1.4	256QAM	1	5	17.58	17.94	17.69	19.00
1.4	256QAM	3	0	17.46	17.66	17.51	19.00
1.4	256QAM	3	1	17.45	17.87	17.61	19.00
1.4	256QAM	3	3	17.43	17.59	17.44	19.00
1.4	256QAM	6	0	17.50	17.90	17.63	19.00



【LTE Band 4_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.73	22.94	22.83	24.00
20	QPSK	1	49	22.31	22.64	22.47	24.00
20	QPSK	1	99	22.31	22.65	22.40	24.00
20	QPSK	50	0	21.91	21.96	21.88	23.00
20	QPSK	50	24	21.50	21.75	21.57	23.00
20	QPSK	50	50	21.58	21.83	21.65	23.00
20	QPSK	100	0	21.69	21.93	21.79	23.00
20	16QAM	1	0	21.60	21.85	21.68	23.00
20	16QAM	1	49	21.55	21.78	21.66	23.00
20	16QAM	1	99	21.42	21.75	21.60	23.00
20	16QAM	50	0	20.48	20.79	20.68	22.00
20	16QAM	50	24	20.59	20.81	20.58	22.00
20	16QAM	50	50	20.53	20.79	20.60	22.00
20	16QAM	100	0	20.46	20.76	20.59	22.00
20	64QAM	1	0	20.60	20.82	20.67	22.00
20	64QAM	1	49	20.57	20.89	20.76	22.00
20	64QAM	1	99	20.56	20.81	20.67	22.00
20	64QAM	50	0	19.59	19.79	19.58	21.00
20	64QAM	50	24	19.57	19.80	19.65	21.00
20	64QAM	50	50	19.69	19.92	19.81	21.00
20	64QAM	100	0	19.54	19.73	19.51	21.00
20	256QAM	1	0	17.56	17.84	17.74	19.00
20	256QAM	1	49	17.62	17.91	17.68	19.00
20	256QAM	1	99	17.68	17.96	17.78	19.00
20	256QAM	50	0	17.48	17.77	17.66	19.00
20	256QAM	50	24	17.60	17.90	17.73	19.00
20	256QAM	50	50	17.55	17.73	17.51	19.00
20	256QAM	100	0	17.62	17.93	17.72	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.58	22.80	22.68	24.00
15	QPSK	1	37	22.21	22.54	22.41	24.00
15	QPSK	1	74	22.28	22.56	22.39	24.00
15	QPSK	36	0	21.76	21.89	21.87	23.00
15	QPSK	36	20	21.47	21.68	21.51	23.00
15	QPSK	36	39	21.48	21.80	21.58	23.00
15	QPSK	75	0	21.65	21.83	21.64	23.00
15	16QAM	1	0	21.51	21.74	21.54	23.00
15	16QAM	1	37	21.47	21.66	21.54	23.00
15	16QAM	1	74	21.37	21.71	21.55	23.00
15	16QAM	36	0	20.38	20.68	20.61	22.00
15	16QAM	36	20	20.57	20.79	20.52	22.00
15	16QAM	36	39	20.44	20.78	20.55	22.00
15	16QAM	75	0	20.33	20.67	20.56	22.00
15	64QAM	1	0	20.59	20.71	20.52	22.00
15	64QAM	1	37	20.56	20.75	20.64	22.00
15	64QAM	1	74	20.43	20.67	20.66	22.00
15	64QAM	36	0	19.45	19.70	19.50	21.00
15	64QAM	36	20	19.49	19.71	19.58	21.00
15	64QAM	36	39	19.59	19.77	19.69	21.00
15	64QAM	75	0	19.44	19.58	19.43	21.00
15	256QAM	1	0	17.45	17.70	17.72	19.00
15	256QAM	1	37	17.52	17.77	17.55	19.00
15	256QAM	1	74	17.65	17.89	17.75	19.00
15	256QAM	36	0	17.41	17.70	17.57	19.00
15	256QAM	36	20	17.47	17.79	17.63	19.00
15	256QAM	36	39	17.44	17.59	17.39	19.00
15	256QAM	75	0	17.59	17.89	17.63	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.63	22.88	22.74	24.00
10	QPSK	1	25	22.20	22.51	22.40	24.00
10	QPSK	1	49	22.17	22.54	22.29	24.00
10	QPSK	25	0	21.83	21.83	21.75	23.00
10	QPSK	25	12	21.35	21.69	21.53	23.00
10	QPSK	25	25	21.47	21.78	21.64	23.00
10	QPSK	50	0	21.66	21.91	21.66	23.00
10	16QAM	1	0	21.49	21.70	21.60	23.00
10	16QAM	1	25	21.47	21.71	21.60	23.00
10	16QAM	1	49	21.28	21.63	21.59	23.00
10	16QAM	25	0	20.37	20.73	20.59	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	20.46	20.79	20.53	22.00
10	16QAM	25	25	20.45	20.76	20.50	22.00
10	16QAM	50	0	20.31	20.71	20.47	22.00
10	64QAM	1	0	20.55	20.69	20.54	22.00
10	64QAM	1	25	20.46	20.78	20.74	22.00
10	64QAM	1	49	20.43	20.77	20.60	22.00
10	64QAM	25	0	19.50	19.64	19.49	21.00
10	64QAM	25	12	19.46	19.72	19.59	21.00
10	64QAM	25	25	19.67	19.83	19.80	21.00
10	64QAM	50	0	19.40	19.68	19.48	21.00
10	256QAM	1	0	17.50	17.73	17.71	19.00
10	256QAM	1	25	17.60	17.78	17.61	19.00
10	256QAM	1	49	17.66	17.83	17.75	19.00
10	256QAM	25	0	17.38	17.68	17.54	19.00
10	256QAM	25	12	17.57	17.82	17.68	19.00
10	256QAM	25	25	17.47	17.61	17.45	19.00
10	256QAM	50	0	17.55	17.87	17.64	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	22.60	22.84	22.82	24.00
5	QPSK	1	12	22.27	22.53	22.33	24.00
5	QPSK	1	24	22.21	22.50	22.37	24.00
5	QPSK	12	0	21.76	21.87	21.76	23.00
5	QPSK	12	7	21.37	21.69	21.53	23.00
5	QPSK	12	13	21.52	21.70	21.51	23.00
5	QPSK	25	0	21.64	21.85	21.77	23.00
5	16QAM	1	0	21.54	21.72	21.59	23.00
5	16QAM	1	12	21.49	21.74	21.52	23.00
5	16QAM	1	24	21.33	21.67	21.47	23.00
5	16QAM	12	0	20.33	20.71	20.63	22.00
5	16QAM	12	7	20.45	20.72	20.48	22.00
5	16QAM	12	13	20.39	20.72	20.57	22.00
5	16QAM	25	0	20.34	20.67	20.47	22.00
5	64QAM	1	0	20.52	20.73	20.63	22.00
5	64QAM	1	12	20.54	20.85	20.67	22.00
5	64QAM	1	24	20.53	20.79	20.65	22.00
5	64QAM	12	0	19.51	19.71	19.52	21.00
5	64QAM	12	7	19.43	19.76	19.56	21.00
5	64QAM	12	13	19.61	19.79	19.72	21.00
5	64QAM	25	0	19.47	19.62	19.41	21.00
5	256QAM	1	0	17.46	17.76	17.63	19.00
5	256QAM	1	12	17.52	17.89	17.61	19.00
5	256QAM	1	24	17.57	17.93	17.64	19.00
5	256QAM	12	0	17.34	17.73	17.56	19.00
5	256QAM	12	7	17.46	17.77	17.68	19.00
5	256QAM	12	13	17.53	17.71	17.41	19.00
5	256QAM	25	0	17.55	17.80	17.59	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	22.70	22.86	22.73	24.00
3	QPSK	1	8	22.27	22.57	22.37	24.00
3	QPSK	1	14	22.21	22.60	22.28	24.00
3	QPSK	8	0	21.86	21.87	21.80	23.00
3	QPSK	8	4	21.46	21.71	21.47	23.00
3	QPSK	8	7	21.48	21.72	21.60	23.00
3	QPSK	15	0	21.64	21.86	21.76	23.00
3	16QAM	1	0	21.58	21.82	21.61	23.00
3	16QAM	1	8	21.50	21.66	21.54	23.00
3	16QAM	1	14	21.37	21.65	21.55	23.00
3	16QAM	8	0	20.34	20.69	20.59	22.00
3	16QAM	8	4	20.48	20.77	20.47	22.00
3	16QAM	8	7	20.42	20.67	20.45	22.00
3	16QAM	15	0	20.35	20.68	20.48	22.00
3	64QAM	1	0	20.51	20.74	20.65	22.00
3	64QAM	1	8	20.55	20.80	20.63	22.00
3	64QAM	1	14	20.49	20.79	20.54	22.00
3	64QAM	8	0	19.54	19.69	19.50	21.00
3	64QAM	8	4	19.44	19.74	19.51	21.00
3	64QAM	8	7	19.57	19.88	19.67	21.00
3	64QAM	15	0	19.50	19.70	19.38	21.00
3	256QAM	1	0	17.54	17.69	17.61	19.00
3	256QAM	1	8	17.54	17.85	17.56	19.00
3	256QAM	1	14	17.59	17.88	17.72	19.00
3	256QAM	8	0	17.44	17.62	17.63	19.00
3	256QAM	8	4	17.47	17.83	17.59	19.00
3	256QAM	8	7	17.47	17.61	17.43	19.00
3	256QAM	15	0	17.59	17.79	17.70	19.00
Channel				19957	20175	20393	Tune-up limit

Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	22.60	22.82	22.78	24.00
1.4	QPSK	1	3	22.21	22.57	22.42	24.00
1.4	QPSK	1	5	22.24	22.55	22.38	24.00
1.4	QPSK	3	0	22.87	22.83	22.79	24.00
1.4	QPSK	3	1	22.38	22.69	22.47	24.00
1.4	QPSK	3	3	22.55	22.70	22.57	24.00
1.4	QPSK	6	0	21.59	21.91	21.74	23.00
1.4	16QAM	1	0	21.58	21.82	21.62	23.00
1.4	16QAM	1	3	21.46	21.71	21.53	23.00
1.4	16QAM	1	5	21.34	21.63	21.58	23.00
1.4	16QAM	3	0	21.42	21.71	21.56	23.00
1.4	16QAM	3	1	21.44	21.71	21.52	23.00
1.4	16QAM	3	3	21.45	21.78	21.52	23.00
1.4	16QAM	6	0	20.33	20.67	20.57	22.00
1.4	64QAM	1	0	20.52	20.69	20.64	22.00
1.4	64QAM	1	3	20.50	20.76	20.65	22.00
1.4	64QAM	1	5	20.48	20.67	20.59	22.00
1.4	64QAM	3	0	20.58	20.65	20.43	22.00
1.4	64QAM	3	1	20.43	20.66	20.50	22.00
1.4	64QAM	3	3	20.62	20.81	20.78	22.00
1.4	64QAM	6	0	19.52	19.66	19.45	21.00
1.4	256QAM	1	0	17.52	17.83	17.70	19.00
1.4	256QAM	1	3	17.59	17.78	17.56	19.00
1.4	256QAM	1	5	17.58	17.94	17.69	19.00
1.4	256QAM	3	0	17.46	17.66	17.51	19.00
1.4	256QAM	3	1	17.45	17.87	17.61	19.00
1.4	256QAM	3	3	17.43	17.59	17.44	19.00
1.4	256QAM	6	0	17.50	17.90	17.63	19.00

【LTE Band 4_Ant 2_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	19.82	19.90	19.88	21.00
20	QPSK	1	49	19.60	19.78	19.72	21.00
20	QPSK	1	99	19.54	19.65	19.54	21.00
20	QPSK	50	0	19.82	19.84	19.78	21.00
20	QPSK	50	24	19.58	19.78	19.74	21.00
20	QPSK	50	50	19.43	19.63	19.51	21.00
20	QPSK	100	0	19.66	19.67	19.57	21.00
20	16QAM	1	0	19.52	19.66	19.63	21.00
20	16QAM	1	49	19.41	19.63	19.49	21.00
20	16QAM	1	99	19.53	19.63	19.58	21.00
20	16QAM	50	0	19.64	19.78	19.73	21.00
20	16QAM	50	24	19.67	19.78	19.64	21.00
20	16QAM	50	50	19.50	19.72	19.68	21.00
20	16QAM	100	0	19.61	19.76	19.65	21.00
20	64QAM	1	0	19.53	19.63	19.47	21.00
20	64QAM	1	49	19.51	19.69	19.55	21.00
20	64QAM	1	99	19.60	19.79	19.67	21.00
20	64QAM	50	0	19.43	19.64	19.57	21.00
20	64QAM	50	24	19.58	19.75	19.63	21.00
20	64QAM	50	50	19.63	19.75	19.72	21.00
20	64QAM	100	0	19.48	19.62	19.54	21.00
20	256QAM	1	0	17.61	17.75	17.65	19.00
20	256QAM	1	49	17.55	17.68	17.63	19.00
20	256QAM	1	99	17.48	17.63	17.60	19.00
20	256QAM	50	0	17.51	17.72	17.64	19.00
20	256QAM	50	24	17.55	17.74	17.70	19.00
20	256QAM	50	50	17.48	17.67	17.62	19.00
20	256QAM	100	0	17.51	17.63	17.50	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.69	19.83	19.83	21.00
15	QPSK	1	37	19.50	19.72	19.70	21.00
15	QPSK	1	74	19.44	19.60	19.46	21.00
15	QPSK	36	0	19.75	19.83	19.66	21.00
15	QPSK	36	20	19.54	19.73	19.60	21.00
15	QPSK	36	39	19.36	19.60	19.40	21.00
15	QPSK	75	0	19.65	19.61	19.53	21.00



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	19.50	19.57	19.56	21.00
15	16QAM	1	37	19.36	19.60	19.48	21.00
15	16QAM	1	74	19.42	19.58	19.52	21.00
15	16QAM	36	0	19.49	19.71	19.67	21.00
15	16QAM	36	20	19.54	19.72	19.61	21.00
15	16QAM	36	39	19.43	19.61	19.57	21.00
15	16QAM	75	0	19.53	19.67	19.61	21.00
15	64QAM	1	0	19.50	19.55	19.38	21.00
15	64QAM	1	37	19.39	19.57	19.53	21.00
15	64QAM	1	74	19.52	19.70	19.60	21.00
15	64QAM	36	0	19.31	19.51	19.50	21.00
15	64QAM	36	20	19.44	19.67	19.54	21.00
15	64QAM	36	39	19.49	19.72	19.64	21.00
15	64QAM	75	0	19.37	19.60	19.45	21.00
15	256QAM	1	0	17.47	17.64	17.64	19.00
15	256QAM	1	37	17.41	17.62	17.62	19.00
15	256QAM	1	74	17.40	17.59	17.55	19.00
15	256QAM	36	0	17.45	17.64	17.62	19.00
15	256QAM	36	20	17.54	17.65	17.59	19.00
15	256QAM	36	39	17.36	17.59	17.48	19.00
15	256QAM	75	0	17.39	17.58	17.38	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	19.76	19.81	19.76	21.00
10	QPSK	1	25	19.53	19.63	19.58	21.00
10	QPSK	1	49	19.53	19.61	19.51	21.00
10	QPSK	25	0	19.71	19.77	19.65	21.00
10	QPSK	25	12	19.50	19.70	19.65	21.00
10	QPSK	25	25	19.30	19.52	19.38	21.00
10	QPSK	50	0	19.61	19.61	19.43	21.00
10	16QAM	1	0	19.48	19.62	19.50	21.00
10	16QAM	1	25	19.35	19.51	19.43	21.00
10	16QAM	1	49	19.48	19.50	19.44	21.00
10	16QAM	25	0	19.53	19.76	19.69	21.00
10	16QAM	25	12	19.57	19.68	19.57	21.00
10	16QAM	25	25	19.43	19.61	19.54	21.00
10	16QAM	50	0	19.46	19.67	19.62	21.00
10	64QAM	1	0	19.41	19.51	19.44	21.00
10	64QAM	1	25	19.38	19.65	19.47	21.00
10	64QAM	1	49	19.59	19.69	19.55	21.00
10	64QAM	25	0	19.35	19.56	19.51	21.00
10	64QAM	25	12	19.49	19.70	19.57	21.00
10	64QAM	25	25	19.56	19.72	19.62	21.00
10	64QAM	50	0	19.36	19.61	19.43	21.00
10	256QAM	1	0	17.52	17.67	17.55	19.00
10	256QAM	1	25	17.47	17.56	17.53	19.00
10	256QAM	1	49	17.40	17.62	17.50	19.00
10	256QAM	25	0	17.43	17.62	17.49	19.00
10	256QAM	25	12	17.50	17.66	17.58	19.00
10	256QAM	25	25	17.45	17.53	17.54	19.00
10	256QAM	50	0	17.46	17.53	17.37	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	19.78	19.84	19.86	21.00
5	QPSK	1	12	19.51	19.68	19.64	21.00
5	QPSK	1	24	19.49	19.51	19.44	21.00
5	QPSK	12	0	19.69	19.71	19.71	21.00
5	QPSK	12	7	19.48	19.65	19.60	21.00
5	QPSK	12	13	19.35	19.61	19.43	21.00
5	QPSK	25	0	19.55	19.63	19.51	21.00
5	16QAM	1	0	19.49	19.54	19.54	21.00
5	16QAM	1	12	19.31	19.53	19.39	21.00
5	16QAM	1	24	19.47	19.50	19.47	21.00
5	16QAM	12	0	19.53	19.67	19.60	21.00
5	16QAM	12	7	19.55	19.70	19.61	21.00
5	16QAM	12	13	19.37	19.64	19.65	21.00
5	16QAM	25	0	19.57	19.66	19.50	21.00
5	64QAM	1	0	19.38	19.58	19.43	21.00
5	64QAM	1	12	19.40	19.59	19.53	21.00
5	64QAM	1	24	19.49	19.71	19.62	21.00
5	64QAM	12	0	19.35	19.55	19.50	21.00
5	64QAM	12	7	19.55	19.65	19.61	21.00
5	64QAM	12	13	19.61	19.74	19.58	21.00
5	64QAM	25	0	19.38	19.60	19.44	21.00
5	256QAM	1	0	17.50	17.69	17.58	19.00
5	256QAM	1	12	17.53	17.63	17.52	19.00
5	256QAM	1	24	17.36	17.59	17.51	19.00
5	256QAM	12	0	17.44	17.62	17.60	19.00



5	256QAM	12	7	17.43	17.71	17.56	19.00
5	256QAM	12	13	17.38	17.53	17.53	19.00
5	256QAM	25	0	17.39	17.55	17.40	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.69	19.81	19.80	21.00
3	QPSK	1	8	19.46	19.66	19.70	21.00
3	QPSK	1	14	19.45	19.54	19.49	21.00
3	QPSK	8	0	19.73	19.77	19.72	21.00
3	QPSK	8	4	19.46	19.73	19.60	21.00
3	QPSK	8	7	19.34	19.57	19.43	21.00
3	QPSK	15	0	19.62	19.52	19.54	21.00
3	16QAM	1	0	19.40	19.52	19.50	21.00
3	16QAM	1	8	19.27	19.54	19.46	21.00
3	16QAM	1	14	19.39	19.56	19.50	21.00
3	16QAM	8	0	19.56	19.76	19.69	21.00
3	16QAM	8	4	19.54	19.70	19.60	21.00
3	16QAM	8	7	19.45	19.59	19.57	21.00
3	16QAM	15	0	19.57	19.65	19.61	21.00
3	64QAM	1	0	19.51	19.58	19.35	21.00
3	64QAM	1	8	19.44	19.60	19.42	21.00
3	64QAM	1	14	19.47	19.71	19.66	21.00
3	64QAM	8	0	19.32	19.51	19.48	21.00
3	64QAM	8	4	19.54	19.61	19.58	21.00
3	64QAM	8	7	19.50	19.64	19.64	21.00
3	64QAM	15	0	19.44	19.57	19.43	21.00
3	256QAM	1	0	17.54	17.63	17.61	19.00
3	256QAM	1	8	17.52	17.66	17.54	19.00
3	256QAM	1	14	17.38	17.61	17.45	19.00
3	256QAM	8	0	17.48	17.68	17.63	19.00
3	256QAM	8	4	17.47	17.63	17.60	19.00
3	256QAM	8	7	17.34	17.57	17.49	19.00
3	256QAM	15	0	17.43	17.59	17.35	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.67	19.82	19.86	21.00
1.4	QPSK	1	3	19.56	19.71	19.60	21.00
1.4	QPSK	1	5	19.42	19.60	19.52	21.00
1.4	QPSK	3	0	19.79	19.79	19.67	21.00
1.4	QPSK	3	1	19.54	19.76	19.59	21.00
1.4	QPSK	3	3	19.39	19.55	19.39	21.00
1.4	QPSK	6	0	19.61	19.53	19.49	21.00
1.4	16QAM	1	0	19.49	19.64	19.50	21.00
1.4	16QAM	1	3	19.31	19.59	19.47	21.00
1.4	16QAM	1	5	19.44	19.59	19.50	21.00
1.4	16QAM	3	0	19.54	19.67	19.60	21.00
1.4	16QAM	3	1	19.65	19.66	19.60	21.00
1.4	16QAM	3	3	19.41	19.69	19.54	21.00
1.4	16QAM	6	0	19.52	19.67	19.51	21.00
1.4	64QAM	1	0	19.46	19.53	19.33	21.00
1.4	64QAM	1	3	19.49	19.62	19.51	21.00
1.4	64QAM	1	5	19.49	19.66	19.60	21.00
1.4	64QAM	3	0	19.32	19.50	19.51	21.00
1.4	64QAM	3	1	19.53	19.71	19.55	21.00
1.4	64QAM	3	3	19.52	19.63	19.66	21.00
1.4	64QAM	6	0	19.39	19.56	19.44	21.00
1.4	256QAM	1	0	17.49	17.67	17.50	19.00
1.4	256QAM	1	3	17.47	17.59	17.52	19.00
1.4	256QAM	1	5	17.43	17.54	17.52	19.00
1.4	256QAM	3	0	17.45	17.71	17.59	19.00
1.4	256QAM	3	1	17.46	17.72	17.61	19.00
1.4	256QAM	3	3	17.37	17.64	17.61	19.00
1.4	256QAM	6	0	17.38	17.56	17.40	19.00

【LTE Band 4_Ant 2_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	22.73	22.94	22.83	24.00
20	QPSK	1	49	22.31	22.64	22.47	24.00
20	QPSK	1	99	22.31	22.65	22.40	24.00



FCC SAR Test Report

Report No. : FA5N1310

20	QPSK	50	0	21.91	21.96	21.88	23.00
20	QPSK	50	24	21.50	21.75	21.57	23.00
20	QPSK	50	50	21.58	21.83	21.65	23.00
20	QPSK	100	0	21.69	21.93	21.79	23.00
20	16QAM	1	0	21.60	21.85	21.68	23.00
20	16QAM	1	49	21.55	21.78	21.66	23.00
20	16QAM	1	99	21.42	21.75	21.60	23.00
20	16QAM	50	0	20.48	20.79	20.68	22.00
20	16QAM	50	24	20.59	20.81	20.58	22.00
20	16QAM	50	50	20.53	20.79	20.60	22.00
20	16QAM	100	0	20.46	20.76	20.59	22.00
20	64QAM	1	0	20.60	20.82	20.67	22.00
20	64QAM	1	49	20.57	20.89	20.76	22.00
20	64QAM	1	99	20.56	20.81	20.67	22.00
20	64QAM	50	0	19.59	19.79	19.58	21.00
20	64QAM	50	24	19.57	19.80	19.65	21.00
20	64QAM	50	50	19.69	19.92	19.81	21.00
20	64QAM	100	0	19.54	19.73	19.51	21.00
20	256QAM	1	0	17.56	17.84	17.74	19.00
20	256QAM	1	49	17.62	17.91	17.68	19.00
20	256QAM	1	99	17.68	17.96	17.78	19.00
20	256QAM	50	0	17.48	17.77	17.66	19.00
20	256QAM	50	24	17.60	17.90	17.73	19.00
20	256QAM	50	50	17.55	17.73	17.51	19.00
20	256QAM	100	0	17.62	17.93	17.72	19.00
Channel				20025	20175	20325	Tune-up limit
Frequency (MHz)				1717.5	1732.5	1747.5	(dBm)
15	QPSK	1	0	22.58	22.80	22.68	24.00
15	QPSK	1	37	22.21	22.54	22.41	24.00
15	QPSK	1	74	22.28	22.56	22.39	24.00
15	QPSK	36	0	21.76	21.89	21.87	23.00
15	QPSK	36	20	21.47	21.68	21.51	23.00
15	QPSK	36	39	21.48	21.80	21.58	23.00
15	QPSK	75	0	21.65	21.83	21.64	23.00
15	16QAM	1	0	21.51	21.74	21.54	23.00
15	16QAM	1	37	21.47	21.66	21.54	23.00
15	16QAM	1	74	21.37	21.71	21.55	23.00
15	16QAM	36	0	20.38	20.68	20.61	22.00
15	16QAM	36	20	20.57	20.79	20.52	22.00
15	16QAM	36	39	20.44	20.78	20.55	22.00
15	16QAM	75	0	20.33	20.67	20.56	22.00
15	64QAM	1	0	20.59	20.71	20.52	22.00
15	64QAM	1	37	20.56	20.75	20.64	22.00
15	64QAM	1	74	20.43	20.67	20.66	22.00
15	64QAM	36	0	19.45	19.70	19.50	21.00
15	64QAM	36	20	19.49	19.71	19.58	21.00
15	64QAM	36	39	19.59	19.77	19.69	21.00
15	64QAM	75	0	19.44	19.58	19.43	21.00
15	256QAM	1	0	17.45	17.70	17.72	19.00
15	256QAM	1	37	17.52	17.77	17.55	19.00
15	256QAM	1	74	17.65	17.89	17.75	19.00
15	256QAM	36	0	17.41	17.70	17.57	19.00
15	256QAM	36	20	17.47	17.79	17.63	19.00
15	256QAM	36	39	17.44	17.59	17.39	19.00
15	256QAM	75	0	17.59	17.89	17.63	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	22.63	22.88	22.74	24.00
10	QPSK	1	25	22.20	22.51	22.40	24.00
10	QPSK	1	49	22.17	22.54	22.29	24.00
10	QPSK	25	0	21.83	21.83	21.75	23.00
10	QPSK	25	12	21.35	21.69	21.53	23.00
10	QPSK	25	25	21.47	21.78	21.64	23.00
10	QPSK	50	0	21.66	21.91	21.66	23.00
10	16QAM	1	0	21.49	21.70	21.60	23.00
10	16QAM	1	25	21.47	21.71	21.60	23.00
10	16QAM	1	49	21.28	21.63	21.59	23.00
10	16QAM	25	0	20.37	20.73	20.59	22.00
10	16QAM	25	12	20.46	20.79	20.53	22.00
10	16QAM	25	25	20.45	20.76	20.50	22.00
10	16QAM	50	0	20.31	20.71	20.47	22.00
10	64QAM	1	0	20.55	20.69	20.54	22.00
10	64QAM	1	25	20.46	20.78	20.74	22.00
10	64QAM	1	49	20.43	20.77	20.60	22.00
10	64QAM	25	0	19.50	19.64	19.49	21.00
10	64QAM	25	12	19.46	19.72	19.59	21.00
10	64QAM	25	25	19.67	19.83	19.80	21.00
10	64QAM	50	0	19.40	19.68	19.48	21.00



FCC SAR Test Report

Report No. : FA5N1310

10	256QAM	1	0	17.50	17.73	17.71	19.00
10	256QAM	1	25	17.60	17.78	17.61	19.00
10	256QAM	1	49	17.66	17.83	17.75	19.00
10	256QAM	25	0	17.38	17.68	17.54	19.00
10	256QAM	25	12	17.57	17.82	17.68	19.00
10	256QAM	25	25	17.47	17.61	17.45	19.00
10	256QAM	50	0	17.55	17.87	17.64	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.60	22.84	22.82	24.00
5	QPSK	1	12	22.27	22.53	22.33	24.00
5	QPSK	1	24	22.21	22.50	22.37	24.00
5	QPSK	12	0	21.76	21.87	21.76	23.00
5	QPSK	12	7	21.37	21.69	21.53	23.00
5	QPSK	12	13	21.52	21.70	21.51	23.00
5	QPSK	25	0	21.64	21.85	21.77	23.00
5	16QAM	1	0	21.54	21.72	21.59	23.00
5	16QAM	1	12	21.49	21.74	21.52	23.00
5	16QAM	1	24	21.33	21.67	21.47	23.00
5	16QAM	12	0	20.33	20.71	20.63	22.00
5	16QAM	12	7	20.45	20.72	20.48	22.00
5	16QAM	12	13	20.39	20.72	20.57	22.00
5	16QAM	25	0	20.34	20.67	20.47	22.00
5	64QAM	1	0	20.52	20.73	20.63	22.00
5	64QAM	1	12	20.54	20.85	20.67	22.00
5	64QAM	1	24	20.53	20.79	20.65	22.00
5	64QAM	12	0	19.51	19.71	19.52	21.00
5	64QAM	12	7	19.43	19.76	19.56	21.00
5	64QAM	12	13	19.61	19.79	19.72	21.00
5	64QAM	25	0	19.47	19.62	19.41	21.00
5	256QAM	1	0	17.46	17.76	17.63	19.00
5	256QAM	1	12	17.52	17.89	17.61	19.00
5	256QAM	1	24	17.57	17.93	17.64	19.00
5	256QAM	12	0	17.34	17.73	17.56	19.00
5	256QAM	12	7	17.46	17.77	17.68	19.00
5	256QAM	12	13	17.53	17.71	17.41	19.00
5	256QAM	25	0	17.55	17.80	17.59	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.70	22.86	22.73	24.00
3	QPSK	1	8	22.27	22.57	22.37	24.00
3	QPSK	1	14	22.21	22.60	22.28	24.00
3	QPSK	8	0	21.86	21.87	21.80	23.00
3	QPSK	8	4	21.46	21.71	21.47	23.00
3	QPSK	8	7	21.48	21.72	21.60	23.00
3	QPSK	15	0	21.64	21.86	21.76	23.00
3	16QAM	1	0	21.58	21.82	21.61	23.00
3	16QAM	1	8	21.50	21.66	21.54	23.00
3	16QAM	1	14	21.37	21.65	21.55	23.00
3	16QAM	8	0	20.34	20.69	20.59	22.00
3	16QAM	8	4	20.48	20.77	20.47	22.00
3	16QAM	8	7	20.42	20.67	20.45	22.00
3	16QAM	15	0	20.35	20.68	20.48	22.00
3	64QAM	1	0	20.51	20.74	20.65	22.00
3	64QAM	1	8	20.55	20.80	20.63	22.00
3	64QAM	1	14	20.49	20.79	20.54	22.00
3	64QAM	8	0	19.54	19.69	19.50	21.00
3	64QAM	8	4	19.44	19.74	19.51	21.00
3	64QAM	8	7	19.57	19.88	19.67	21.00
3	64QAM	15	0	19.50	19.70	19.38	21.00
3	256QAM	1	0	17.54	17.69	17.61	19.00
3	256QAM	1	8	17.54	17.85	17.56	19.00
3	256QAM	1	14	17.59	17.88	17.72	19.00
3	256QAM	8	0	17.44	17.62	17.63	19.00
3	256QAM	8	4	17.47	17.83	17.59	19.00
3	256QAM	8	7	17.47	17.61	17.43	19.00
3	256QAM	15	0	17.59	17.79	17.70	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.60	22.82	22.78	24.00
1.4	QPSK	1	3	22.21	22.57	22.42	24.00
1.4	QPSK	1	5	22.24	22.55	22.38	24.00
1.4	QPSK	3	0	22.87	22.83	22.79	24.00
1.4	QPSK	3	1	22.38	22.69	22.47	24.00
1.4	QPSK	3	3	22.55	22.70	22.57	24.00
1.4	QPSK	6	0	21.59	21.91	21.74	23.00
1.4	16QAM	1	0	21.58	21.82	21.62	23.00
1.4	16QAM	1	3	21.46	21.71	21.53	23.00



1.4	16QAM	1	5	21.34	21.63	21.58	23.00
1.4	16QAM	3	0	21.42	21.71	21.56	23.00
1.4	16QAM	3	1	21.44	21.71	21.52	23.00
1.4	16QAM	3	3	21.45	21.78	21.52	23.00
1.4	16QAM	6	0	20.33	20.67	20.57	22.00
1.4	64QAM	1	0	20.52	20.69	20.64	22.00
1.4	64QAM	1	3	20.50	20.76	20.65	22.00
1.4	64QAM	1	5	20.48	20.67	20.59	22.00
1.4	64QAM	3	0	20.58	20.65	20.43	22.00
1.4	64QAM	3	1	20.43	20.66	20.50	22.00
1.4	64QAM	3	3	20.62	20.81	20.78	22.00
1.4	64QAM	6	0	19.52	19.66	19.45	21.00
1.4	256QAM	1	0	17.52	17.83	17.70	19.00
1.4	256QAM	1	3	17.59	17.78	17.56	19.00
1.4	256QAM	1	5	17.58	17.94	17.69	19.00
1.4	256QAM	3	0	17.46	17.66	17.51	19.00
1.4	256QAM	3	1	17.45	17.87	17.61	19.00
1.4	256QAM	3	3	17.43	17.59	17.44	19.00
1.4	256QAM	6	0	17.50	17.90	17.63	19.00

【LTE Band 4_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.85	21.91	21.82	22.80
20	QPSK	1	49	21.64	21.79	21.69	22.80
20	QPSK	1	99	21.56	21.66	21.44	22.80
20	QPSK	50	0	21.77	21.80	21.67	22.80
20	QPSK	50	24	21.47	21.62	21.50	22.80
20	QPSK	50	50	21.69	21.79	21.66	22.80
20	QPSK	100	0	21.66	21.73	21.58	22.80
20	16QAM	1	0	21.51	21.70	21.49	22.80
20	16QAM	1	49	21.64	21.73	21.56	22.80
20	16QAM	1	99	21.67	21.79	21.65	22.80
20	16QAM	50	0	20.59	20.78	20.63	22.00
20	16QAM	50	24	20.58	20.70	20.47	22.00
20	16QAM	50	50	20.55	20.62	20.51	22.00
20	16QAM	100	0	20.55	20.67	20.55	22.00
20	64QAM	1	0	20.54	20.72	20.52	22.00
20	64QAM	1	49	20.51	20.65	20.46	22.00
20	64QAM	1	99	20.52	20.72	20.58	22.00
20	64QAM	50	0	19.49	19.63	19.41	21.00
20	64QAM	50	24	19.54	19.66	19.52	21.00
20	64QAM	50	50	19.69	19.80	19.70	21.00
20	64QAM	100	0	19.66	19.74	19.63	21.00
20	256QAM	1	0	17.64	17.80	17.70	19.00
20	256QAM	1	49	17.66	17.78	17.68	19.00
20	256QAM	1	99	17.48	17.68	17.59	19.00
20	256QAM	50	0	17.57	17.64	17.55	19.00
20	256QAM	50	24	17.53	17.72	17.57	19.00
20	256QAM	50	50	17.64	17.79	17.69	19.00
20	256QAM	100	0	17.60	17.74	17.54	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.77	21.88	21.80	22.80
15	QPSK	1	37	21.57	21.65	21.65	22.80
15	QPSK	1	74	21.43	21.62	21.40	22.80
15	QPSK	36	0	21.67	21.77	21.52	22.80
15	QPSK	36	20	21.44	21.60	21.41	22.80
15	QPSK	36	39	21.61	21.71	21.54	22.80
15	QPSK	75	0	21.64	21.59	21.56	22.80
15	16QAM	1	0	21.46	21.64	21.36	22.80
15	16QAM	1	37	21.54	21.69	21.44	22.80
15	16QAM	1	74	21.52	21.66	21.54	22.80
15	16QAM	36	0	20.56	20.70	20.49	22.00
15	16QAM	36	20	20.45	20.68	20.40	22.00
15	16QAM	36	39	20.43	20.55	20.38	22.00
15	16QAM	75	0	20.51	20.56	20.51	22.00
15	64QAM	1	0	20.40	20.65	20.49	22.00
15	64QAM	1	37	20.42	20.55	20.35	22.00
15	64QAM	1	74	20.39	20.60	20.55	22.00



FCC SAR Test Report

Report No. : FA5N1310

15	64QAM	36	0	19.43	19.48	19.32	21.00
15	64QAM	36	20	19.48	19.56	19.38	21.00
15	64QAM	36	39	19.63	19.68	19.65	21.00
15	64QAM	75	0	19.58	19.61	19.54	21.00
15	256QAM	1	0	17.57	17.78	17.57	19.00
15	256QAM	1	37	17.60	17.71	17.59	19.00
15	256QAM	1	74	17.35	17.55	17.45	19.00
15	256QAM	36	0	17.46	17.62	17.53	19.00
15	256QAM	36	20	17.41	17.59	17.44	19.00
15	256QAM	36	39	17.53	17.74	17.57	19.00
15	256QAM	75	0	17.53	17.72	17.48	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.73	21.85	21.81	22.80
10	QPSK	1	25	21.53	21.72	21.59	22.80
10	QPSK	1	49	21.44	21.57	21.34	22.80
10	QPSK	25	0	21.76	21.65	21.59	22.80
10	QPSK	25	12	21.32	21.51	21.39	22.80
10	QPSK	25	25	21.65	21.77	21.63	22.80
10	QPSK	50	0	21.61	21.70	21.49	22.80
10	16QAM	1	0	21.49	21.60	21.44	22.80
10	16QAM	1	25	21.62	21.66	21.46	22.80
10	16QAM	1	49	21.63	21.70	21.60	22.80
10	16QAM	25	0	20.51	20.75	20.56	22.00
10	16QAM	25	12	20.51	20.59	20.42	22.00
10	16QAM	25	25	20.51	20.54	20.43	22.00
10	16QAM	50	0	20.40	20.56	20.41	22.00
10	64QAM	1	0	20.48	20.70	20.48	22.00
10	64QAM	1	25	20.48	20.59	20.42	22.00
10	64QAM	1	49	20.50	20.68	20.43	22.00
10	64QAM	25	0	19.48	19.59	19.29	21.00
10	64QAM	25	12	19.46	19.61	19.38	21.00
10	64QAM	25	25	19.55	19.71	19.56	21.00
10	64QAM	50	0	19.63	19.65	19.52	21.00
10	256QAM	1	0	17.62	17.72	17.56	19.00
10	256QAM	1	25	17.55	17.70	17.60	19.00
10	256QAM	1	49	17.41	17.66	17.55	19.00
10	256QAM	25	0	17.42	17.59	17.51	19.00
10	256QAM	25	12	17.47	17.69	17.46	19.00
10	256QAM	25	25	17.56	17.72	17.61	19.00
10	256QAM	50	0	17.49	17.67	17.46	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.78	21.88	21.74	22.80
5	QPSK	1	12	21.50	21.76	21.66	22.80
5	QPSK	1	24	21.53	21.64	21.42	22.80
5	QPSK	12	0	21.73	21.69	21.60	22.80
5	QPSK	12	7	21.36	21.60	21.39	22.80
5	QPSK	12	13	21.57	21.73	21.62	22.80
5	QPSK	25	0	21.53	21.66	21.52	22.80
5	16QAM	1	0	21.37	21.65	21.37	22.80
5	16QAM	1	12	21.56	21.60	21.49	22.80
5	16QAM	1	24	21.64	21.65	21.57	22.80
5	16QAM	12	0	20.57	20.68	20.51	22.00
5	16QAM	12	7	20.50	20.69	20.36	22.00
5	16QAM	12	13	20.47	20.60	20.45	22.00
5	16QAM	25	0	20.46	20.60	20.50	22.00
5	64QAM	1	0	20.50	20.67	20.46	22.00
5	64QAM	1	12	20.49	20.58	20.43	22.00
5	64QAM	1	24	20.38	20.68	20.56	22.00
5	64QAM	12	0	19.41	19.56	19.28	21.00
5	64QAM	12	7	19.43	19.65	19.50	21.00
5	64QAM	12	13	19.54	19.68	19.67	21.00
5	64QAM	25	0	19.64	19.70	19.56	21.00
5	256QAM	1	0	17.52	17.75	17.56	19.00
5	256QAM	1	12	17.62	17.66	17.60	19.00
5	256QAM	1	24	17.45	17.56	17.56	19.00
5	256QAM	12	0	17.56	17.59	17.54	19.00
5	256QAM	12	7	17.48	17.61	17.43	19.00
5	256QAM	12	13	17.63	17.66	17.58	19.00
5	256QAM	25	0	17.49	17.59	17.43	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.70	21.82	21.80	22.80
3	QPSK	1	8	21.52	21.77	21.59	22.80
3	QPSK	1	14	21.51	21.64	21.36	22.80
3	QPSK	8	0	21.68	21.75	21.63	22.80
3	QPSK	8	4	21.35	21.50	21.45	22.80



3	QPSK	8	7	21.54	21.65	21.60	22.80
3	QPSK	15	0	21.63	21.67	21.56	22.80
3	16QAM	1	0	21.48	21.56	21.40	22.80
3	16QAM	1	8	21.55	21.66	21.54	22.80
3	16QAM	1	14	21.58	21.64	21.58	22.80
3	16QAM	8	0	20.48	20.68	20.56	22.00
3	16QAM	8	4	20.46	20.55	20.37	22.00
3	16QAM	8	7	20.41	20.49	20.41	22.00
3	16QAM	15	0	20.41	20.57	20.53	22.00
3	64QAM	1	0	20.52	20.59	20.42	22.00
3	64QAM	1	8	20.47	20.51	20.36	22.00
3	64QAM	1	14	20.48	20.60	20.43	22.00
3	64QAM	8	0	19.43	19.54	19.32	21.00
3	64QAM	8	4	19.47	19.64	19.50	21.00
3	64QAM	8	7	19.67	19.67	19.57	21.00
3	64QAM	15	0	19.64	19.72	19.54	21.00
3	256QAM	1	0	17.58	17.68	17.59	19.00
3	256QAM	1	8	17.54	17.69	17.63	19.00
3	256QAM	1	14	17.36	17.57	17.54	19.00
3	256QAM	8	0	17.55	17.53	17.52	19.00
3	256QAM	8	4	17.38	17.70	17.48	19.00
3	256QAM	8	7	17.59	17.76	17.56	19.00
3	256QAM	15	0	17.58	17.59	17.44	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.75	21.78	21.73	22.80
1.4	QPSK	1	3	21.63	21.72	21.61	22.80
1.4	QPSK	1	5	21.47	21.60	21.34	22.80
1.4	QPSK	3	0	21.66	21.70	21.58	22.80
1.4	QPSK	3	1	21.34	21.51	21.38	22.80
1.4	QPSK	3	3	21.61	21.78	21.59	22.80
1.4	QPSK	6	0	21.64	21.64	21.46	22.80
1.4	16QAM	1	0	21.40	21.57	21.37	22.80
1.4	16QAM	1	3	21.58	21.66	21.43	22.80
1.4	16QAM	1	5	21.64	21.65	21.61	22.80
1.4	16QAM	3	0	21.58	21.65	21.51	22.80
1.4	16QAM	3	1	21.52	21.61	21.40	22.80
1.4	16QAM	3	3	21.48	21.49	21.50	22.80
1.4	16QAM	6	0	20.41	20.66	20.50	22.00
1.4	64QAM	1	0	20.41	20.62	20.41	22.00
1.4	64QAM	1	3	20.44	20.58	20.40	22.00
1.4	64QAM	1	5	20.43	20.62	20.43	22.00
1.4	64QAM	3	0	20.44	20.54	20.31	22.00
1.4	64QAM	3	1	20.40	20.58	20.50	22.00
1.4	64QAM	3	3	20.68	20.66	20.58	22.00
1.4	64QAM	6	0	19.59	19.63	19.49	21.00
1.4	256QAM	1	0	17.53	17.78	17.57	19.00
1.4	256QAM	1	3	17.53	17.64	17.66	19.00
1.4	256QAM	1	5	17.43	17.53	17.53	19.00
1.4	256QAM	3	0	17.49	17.55	17.50	19.00
1.4	256QAM	3	1	17.48	17.69	17.53	19.00
1.4	256QAM	3	3	17.62	17.76	17.61	19.00
1.4	256QAM	6	0	17.48	17.67	17.45	19.00

【LTE Band 4_Ant 2_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.76	18.79	18.73	19.70
20	QPSK	1	49	18.46	18.62	18.54	19.70
20	QPSK	1	99	18.51	18.59	18.48	19.70
20	QPSK	50	0	18.66	18.70	18.56	19.70
20	QPSK	50	24	18.48	18.60	18.43	19.70
20	QPSK	50	50	18.57	18.67	18.51	19.70
20	QPSK	100	0	18.54	18.66	18.51	19.70
20	16QAM	1	0	18.45	18.56	18.44	19.70
20	16QAM	1	49	18.51	18.66	18.54	19.70
20	16QAM	1	99	18.49	18.62	18.49	19.70
20	16QAM	50	0	18.48	18.61	18.44	19.70
20	16QAM	50	24	18.43	18.60	18.53	19.70
20	16QAM	50	50	18.49	18.57	18.45	19.70



FCC SAR Test Report

Report No. : FA5N1310

20	16QAM	100	0	18.43	18.60	18.47	19.70
20	64QAM	1	0	18.43	18.53	18.36	19.70
20	64QAM	1	49	18.49	18.54	18.37	19.70
20	64QAM	1	99	18.54	18.60	18.40	19.70
20	64QAM	50	0	18.40	18.54	18.33	19.70
20	64QAM	50	24	18.40	18.58	18.39	19.70
20	64QAM	50	50	18.61	18.66	18.49	19.70
20	64QAM	100	0	18.48	18.63	18.47	19.70
20	256QAM	1	0	17.48	17.64	17.47	19.00
20	256QAM	1	49	17.42	17.60	17.40	19.00
20	256QAM	1	99	17.45	17.59	17.40	19.00
20	256QAM	50	0	17.48	17.54	17.39	19.00
20	256QAM	50	24	17.54	17.65	17.53	19.00
20	256QAM	50	50	17.39	17.51	17.43	19.00
20	256QAM	100	0	17.45	17.62	17.55	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.61	18.75	18.70	19.70
15	QPSK	1	37	18.39	18.51	18.50	19.70
15	QPSK	1	74	18.47	18.55	18.47	19.70
15	QPSK	36	0	18.57	18.56	18.47	19.70
15	QPSK	36	20	18.46	18.46	18.34	19.70
15	QPSK	36	39	18.53	18.54	18.46	19.70
15	QPSK	75	0	18.50	18.57	18.39	19.70
15	16QAM	1	0	18.38	18.45	18.39	19.70
15	16QAM	1	37	18.36	18.65	18.41	19.70
15	16QAM	1	74	18.46	18.54	18.38	19.70
15	16QAM	36	0	18.42	18.56	18.29	19.70
15	16QAM	36	20	18.29	18.55	18.43	19.70
15	16QAM	36	39	18.42	18.53	18.34	19.70
15	16QAM	75	0	18.34	18.58	18.43	19.70
15	64QAM	1	0	18.37	18.46	18.22	19.70
15	64QAM	1	37	18.47	18.50	18.29	19.70
15	64QAM	1	74	18.45	18.59	18.26	19.70
15	64QAM	36	0	18.33	18.50	18.19	19.70
15	64QAM	36	20	18.28	18.44	18.29	19.70
15	64QAM	36	39	18.53	18.51	18.34	19.70
15	64QAM	75	0	18.44	18.55	18.42	19.70
15	256QAM	1	0	17.43	17.55	17.35	19.00
15	256QAM	1	37	17.29	17.53	17.35	19.00
15	256QAM	1	74	17.36	17.51	17.32	19.00
15	256QAM	36	0	17.33	17.49	17.27	19.00
15	256QAM	36	20	17.47	17.62	17.42	19.00
15	256QAM	36	39	17.33	17.43	17.34	19.00
15	256QAM	75	0	17.38	17.54	17.50	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.66	18.67	18.66	19.70
10	QPSK	1	25	18.40	18.57	18.52	19.70
10	QPSK	1	49	18.38	18.44	18.39	19.70
10	QPSK	25	0	18.63	18.59	18.45	19.70
10	QPSK	25	12	18.43	18.45	18.29	19.70
10	QPSK	25	25	18.47	18.56	18.44	19.70
10	QPSK	50	0	18.45	18.62	18.39	19.70
10	16QAM	1	0	18.38	18.42	18.31	19.70
10	16QAM	1	25	18.43	18.59	18.48	19.70
10	16QAM	1	49	18.40	18.58	18.39	19.70
10	16QAM	25	0	18.44	18.58	18.31	19.70
10	16QAM	25	12	18.39	18.45	18.43	19.70
10	16QAM	25	25	18.36	18.54	18.44	19.70
10	16QAM	50	0	18.34	18.54	18.45	19.70
10	64QAM	1	0	18.30	18.43	18.25	19.70
10	64QAM	1	25	18.41	18.46	18.30	19.70
10	64QAM	1	49	18.44	18.52	18.38	19.70
10	64QAM	25	0	18.36	18.49	18.21	19.70
10	64QAM	25	12	18.34	18.51	18.36	19.70
10	64QAM	25	25	18.52	18.64	18.45	19.70
10	64QAM	50	0	18.40	18.58	18.39	19.70
10	256QAM	1	0	17.36	17.59	17.43	19.00
10	256QAM	1	25	17.38	17.52	17.32	19.00
10	256QAM	1	49	17.32	17.44	17.38	19.00
10	256QAM	25	0	17.40	17.43	17.32	19.00
10	256QAM	25	12	17.42	17.50	17.51	19.00
10	256QAM	25	25	17.29	17.42	17.29	19.00
10	256QAM	50	0	17.41	17.55	17.53	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.65	18.66	18.69	19.70



FCC SAR Test Report

Report No. : FA5N1310

5	QPSK	1	12	18.32	18.52	18.47	19.70
5	QPSK	1	24	18.41	18.50	18.33	19.70
5	QPSK	12	0	18.61	18.61	18.52	19.70
5	QPSK	12	7	18.46	18.57	18.38	19.70
5	QPSK	12	13	18.49	18.56	18.38	19.70
5	QPSK	25	0	18.41	18.54	18.40	19.70
5	16QAM	1	0	18.37	18.53	18.37	19.70
5	16QAM	1	12	18.40	18.59	18.46	19.70
5	16QAM	1	24	18.46	18.59	18.38	19.70
5	16QAM	12	0	18.46	18.47	18.42	19.70
5	16QAM	12	7	18.37	18.51	18.50	19.70
5	16QAM	12	13	18.47	18.45	18.35	19.70
5	16QAM	25	0	18.32	18.54	18.41	19.70
5	64QAM	1	0	18.36	18.42	18.34	19.70
5	64QAM	1	12	18.46	18.49	18.34	19.70
5	64QAM	1	24	18.41	18.47	18.27	19.70
5	64QAM	12	0	18.26	18.46	18.22	19.70
5	64QAM	12	7	18.32	18.55	18.25	19.70
5	64QAM	12	13	18.48	18.61	18.35	19.70
5	64QAM	25	0	18.41	18.48	18.35	19.70
5	256QAM	1	0	17.44	17.52	17.32	19.00
5	256QAM	1	12	17.36	17.48	17.32	19.00
5	256QAM	1	24	17.38	17.46	17.38	19.00
5	256QAM	12	0	17.46	17.45	17.36	19.00
5	256QAM	12	7	17.40	17.55	17.44	19.00
5	256QAM	12	13	17.26	17.38	17.39	19.00
5	256QAM	25	0	17.39	17.53	17.40	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	18.63	18.66	18.71	19.70
3	QPSK	1	8	18.39	18.51	18.52	19.70
3	QPSK	1	14	18.49	18.51	18.45	19.70
3	QPSK	8	0	18.65	18.57	18.44	19.70
3	QPSK	8	4	18.45	18.58	18.33	19.70
3	QPSK	8	7	18.52	18.53	18.43	19.70
3	QPSK	15	0	18.44	18.54	18.38	19.70
3	16QAM	1	0	18.38	18.43	18.36	19.70
3	16QAM	1	8	18.49	18.52	18.51	19.70
3	16QAM	1	14	18.35	18.55	18.40	19.70
3	16QAM	8	0	18.44	18.49	18.39	19.70
3	16QAM	8	4	18.31	18.56	18.51	19.70
3	16QAM	8	7	18.46	18.48	18.38	19.70
3	16QAM	15	0	18.30	18.48	18.46	19.70
3	64QAM	1	0	18.28	18.42	18.31	19.70
3	64QAM	1	8	18.37	18.48	18.25	19.70
3	64QAM	1	14	18.41	18.50	18.35	19.70
3	64QAM	8	0	18.28	18.46	18.22	19.70
3	64QAM	8	4	18.31	18.54	18.31	19.70
3	64QAM	8	7	18.50	18.52	18.47	19.70
3	64QAM	15	0	18.40	18.49	18.40	19.70
3	256QAM	1	0	17.46	17.53	17.39	19.00
3	256QAM	1	8	17.29	17.57	17.29	19.00
3	256QAM	1	14	17.32	17.48	17.33	19.00
3	256QAM	8	0	17.35	17.52	17.26	19.00
3	256QAM	8	4	17.48	17.53	17.42	19.00
3	256QAM	8	7	17.38	17.40	17.39	19.00
3	256QAM	15	0	17.34	17.47	17.43	19.00
Channel				19957	20175	20393	Tune-up limit
Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.66	18.70	18.61	19.70
1.4	QPSK	1	3	18.39	18.58	18.39	19.70
1.4	QPSK	1	5	18.42	18.53	18.40	19.70
1.4	QPSK	3	0	18.63	18.69	18.51	19.70
1.4	QPSK	3	1	18.37	18.51	18.40	19.70
1.4	QPSK	3	3	18.55	18.65	18.38	19.70
1.4	QPSK	6	0	18.45	18.52	18.37	19.70
1.4	16QAM	1	0	18.32	18.50	18.39	19.70
1.4	16QAM	1	3	18.48	18.55	18.44	19.70
1.4	16QAM	1	5	18.41	18.52	18.36	19.70
1.4	16QAM	3	0	18.42	18.50	18.40	19.70
1.4	16QAM	3	1	18.39	18.47	18.43	19.70
1.4	16QAM	3	3	18.44	18.55	18.38	19.70
1.4	16QAM	6	0	18.37	18.49	18.39	19.70
1.4	64QAM	1	0	18.36	18.45	18.31	19.70
1.4	64QAM	1	3	18.45	18.45	18.28	19.70
1.4	64QAM	1	5	18.47	18.59	18.37	19.70
1.4	64QAM	3	0	18.31	18.48	18.26	19.70
1.4	64QAM	3	1	18.33	18.48	18.29	19.70



1.4	64QAM	3	3	18.55	18.59	18.45	19.70
1.4	64QAM	6	0	18.40	18.52	18.45	19.70
1.4	256QAM	1	0	17.35	17.62	17.34	19.00
1.4	256QAM	1	3	17.30	17.53	17.37	19.00
1.4	256QAM	1	5	17.37	17.55	17.32	19.00
1.4	256QAM	3	0	17.46	17.43	17.36	19.00
1.4	256QAM	3	1	17.43	17.52	17.44	19.00
1.4	256QAM	3	3	17.28	17.37	17.36	19.00
1.4	256QAM	6	0	17.30	17.60	17.41	19.00

【LTE Band 4_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20050	Power Middle Ch. / Freq. 20175	Power High Ch. / Freq. 20300	Tune-up limit (dBm)
Channel				1720	1732.5	1745	15.60
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	14.21	14.27	14.15	15.60
20	QPSK	1	49	14.04	13.99	14.13	15.60
20	QPSK	1	99	14.09	14.11	14.03	15.60
20	QPSK	50	0	14.06	14.25	13.97	15.60
20	QPSK	50	24	14.13	14.10	13.95	15.60
20	QPSK	50	50	14.00	13.98	14.05	15.60
20	QPSK	100	0	14.01	14.10	14.03	15.60
20	16QAM	1	0	14.03	14.06	14.04	15.60
20	16QAM	1	49	13.96	14.13	14.02	15.60
20	16QAM	1	99	13.99	14.16	14.08	15.60
20	16QAM	50	0	13.94	14.02	13.97	15.60
20	16QAM	50	24	14.06	14.13	13.96	15.60
20	16QAM	50	50	14.01	14.09	14.02	15.60
20	16QAM	100	0	13.98	14.10	14.07	15.60
20	64QAM	1	0	14.05	14.04	13.95	15.60
20	64QAM	1	49	14.11	14.07	14.02	15.60
20	64QAM	1	99	14.04	14.04	14.04	15.60
20	64QAM	50	0	14.05	14.08	13.96	15.60
20	64QAM	50	24	14.03	14.06	14.02	15.60
20	64QAM	50	50	14.03	13.96	14.07	15.60
20	64QAM	100	0	14.01	14.05	14.01	15.60
20	256QAM	1	0	14.02	14.11	14.04	15.60
20	256QAM	1	49	14.09	14.08	14.03	15.60
20	256QAM	1	99	14.06	14.15	14.04	15.60
20	256QAM	50	0	14.04	14.12	14.03	15.60
20	256QAM	50	24	14.03	14.03	13.98	15.60
20	256QAM	50	50	13.96	14.09	13.96	15.60
20	256QAM	100	0	13.95	14.04	14.03	15.60
Channel				20025	20175	20325	15.60
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	14.07	14.13	14.08	15.60
15	QPSK	1	37	13.92	13.94	14.01	15.60
15	QPSK	1	74	14.03	13.97	13.88	15.60
15	QPSK	36	0	14.00	14.16	13.90	15.60
15	QPSK	36	20	14.11	14.07	13.84	15.60
15	QPSK	36	39	13.91	13.85	13.97	15.60
15	QPSK	75	0	13.88	13.98	13.94	15.60
15	16QAM	1	0	13.92	13.95	13.90	15.60
15	16QAM	1	37	13.85	14.00	13.88	15.60
15	16QAM	1	74	13.95	14.13	14.00	15.60
15	16QAM	36	0	13.83	13.90	13.91	15.60
15	16QAM	36	20	13.99	14.04	13.91	15.60
15	16QAM	36	39	13.87	13.95	13.98	15.60
15	16QAM	75	0	13.85	14.09	14.02	15.60
15	64QAM	1	0	13.99	13.91	13.82	15.60
15	64QAM	1	37	14.03	13.96	13.93	15.60
15	64QAM	1	74	13.99	13.97	13.92	15.60
15	64QAM	36	0	13.90	13.99	13.81	15.60
15	64QAM	36	20	13.95	13.92	13.96	15.60
15	64QAM	36	39	13.96	13.86	14.00	15.60
15	64QAM	75	0	13.95	13.92	13.99	15.60
15	256QAM	1	0	13.99	14.07	13.93	15.60
15	256QAM	1	37	13.98	14.03	13.98	15.60
15	256QAM	1	74	14.02	14.11	13.92	15.60
15	256QAM	36	0	13.91	14.01	14.01	15.60
15	256QAM	36	20	13.96	13.93	13.94	15.60
15	256QAM	36	39	13.87	14.06	13.95	15.60



FCC SAR Test Report

Report No. : FA5N1310

15	256QAM	75	0	13.88	13.94	13.95	15.60
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	14.06	14.24	14.08	15.60
10	QPSK	1	25	13.89	13.88	14.01	15.60
10	QPSK	1	49	14.02	14.05	13.95	15.60
10	QPSK	25	0	13.99	14.17	13.95	15.60
10	QPSK	25	12	14.07	14.02	13.93	15.60
10	QPSK	25	25	13.92	13.92	13.94	15.60
10	QPSK	50	0	13.88	14.08	13.97	15.60
10	16QAM	1	0	13.99	14.05	13.99	15.60
10	16QAM	1	25	13.88	14.01	13.96	15.60
10	16QAM	1	49	13.96	14.14	13.98	15.60
10	16QAM	25	0	13.81	13.95	13.91	15.60
10	16QAM	25	12	14.02	13.99	13.87	15.60
10	16QAM	25	25	13.87	13.98	13.91	15.60
10	16QAM	50	0	13.94	14.08	14.02	15.60
10	64QAM	1	0	13.91	13.93	13.80	15.60
10	64QAM	1	25	14.05	14.03	13.90	15.60
10	64QAM	1	49	13.93	13.92	13.92	15.60
10	64QAM	25	0	13.96	13.95	13.93	15.60
10	64QAM	25	12	13.91	14.05	14.00	15.60
10	64QAM	25	25	13.91	13.84	13.98	15.60
10	64QAM	50	0	13.87	13.98	13.88	15.60
10	256QAM	1	0	13.91	14.08	14.00	15.60
10	256QAM	1	25	14.02	14.03	13.94	15.60
10	256QAM	1	49	14.02	14.13	13.99	15.60
10	256QAM	25	0	13.91	14.01	13.94	15.60
10	256QAM	25	12	13.96	13.93	13.93	15.60
10	256QAM	25	25	13.83	13.97	13.93	15.60
10	256QAM	50	0	13.91	13.99	13.91	15.60
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	14.15	14.17	14.05	15.60
5	QPSK	1	12	13.99	13.92	14.03	15.60
5	QPSK	1	24	14.08	14.00	13.94	15.60
5	QPSK	12	0	13.92	14.20	13.95	15.60
5	QPSK	12	7	14.03	14.02	13.86	15.60
5	QPSK	12	13	13.93	13.90	13.93	15.60
5	QPSK	25	0	13.96	13.96	13.97	15.60
5	16QAM	1	0	14.01	14.04	13.94	15.60
5	16QAM	1	12	13.90	14.11	13.99	15.60
5	16QAM	1	24	13.86	14.13	13.99	15.60
5	16QAM	12	0	13.79	13.99	13.92	15.60
5	16QAM	12	7	13.96	14.10	13.83	15.60
5	16QAM	12	13	13.97	14.00	13.91	15.60
5	16QAM	25	0	13.92	14.07	14.00	15.60
5	64QAM	1	0	13.96	13.97	13.91	15.60
5	64QAM	1	12	14.03	13.95	13.95	15.60
5	64QAM	1	24	13.97	13.97	13.96	15.60
5	64QAM	12	0	14.03	14.02	13.90	15.60
5	64QAM	12	7	13.99	13.99	13.96	15.60
5	64QAM	12	13	13.92	13.86	14.03	15.60
5	64QAM	25	0	13.90	13.98	13.89	15.60
5	256QAM	1	0	13.97	13.97	13.96	15.60
5	256QAM	1	12	13.98	14.07	13.89	15.60
5	256QAM	1	24	13.96	14.04	13.92	15.60
5	256QAM	12	0	13.94	14.10	13.90	15.60
5	256QAM	12	7	13.98	13.97	13.97	15.60
5	256QAM	12	13	13.87	14.02	13.94	15.60
5	256QAM	25	0	13.88	14.01	13.89	15.60
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	14.13	14.26	14.03	15.60
3	QPSK	1	8	13.95	13.86	14.03	15.60
3	QPSK	1	14	13.98	14.05	13.90	15.60
3	QPSK	8	0	13.94	14.11	13.90	15.60
3	QPSK	8	4	14.09	14.09	13.93	15.60
3	QPSK	8	7	13.86	13.96	13.92	15.60
3	QPSK	15	0	13.98	13.99	13.94	15.60
3	16QAM	1	0	13.98	14.04	13.94	15.60
3	16QAM	1	8	13.88	14.00	13.92	15.60
3	16QAM	1	14	13.87	14.03	13.94	15.60
3	16QAM	8	0	13.92	13.89	13.91	15.60
3	16QAM	8	4	14.01	14.01	13.84	15.60
3	16QAM	8	7	13.93	14.07	13.98	15.60
3	16QAM	15	0	13.89	14.00	14.06	15.60
3	64QAM	1	0	13.96	13.94	13.83	15.60



3	64QAM	1	8	14.08	13.93	13.91	15.60
3	64QAM	1	14	13.97	13.92	13.92	15.60
3	64QAM	8	0	13.92	13.97	13.95	15.60
3	64QAM	8	4	14.00	14.04	13.95	15.60
3	64QAM	8	7	13.92	13.89	13.94	15.60
3	64QAM	15	0	13.93	13.91	13.99	15.60
3	256QAM	1	0	13.97	14.03	14.02	15.60
3	256QAM	1	8	14.03	14.00	13.93	15.60
3	256QAM	1	14	13.95	14.05	14.02	15.60
3	256QAM	8	0	13.97	14.04	13.95	15.60
3	256QAM	8	4	13.91	13.97	13.87	15.60
3	256QAM	8	7	13.93	14.00	13.81	15.60
3	256QAM	15	0	13.93	13.90	13.95	15.60
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	14.18	14.16	14.10	15.60
1.4	QPSK	1	3	13.90	13.97	14.10	15.60
1.4	QPSK	1	5	14.04	14.01	13.88	15.60
1.4	QPSK	3	0	14.02	14.20	13.84	15.60
1.4	QPSK	3	1	14.11	14.08	13.81	15.60
1.4	QPSK	3	3	13.93	13.95	13.90	15.60
1.4	QPSK	6	0	13.99	14.01	13.90	15.60
1.4	16QAM	1	0	13.96	14.04	13.90	15.60
1.4	16QAM	1	3	13.82	14.09	13.96	15.60
1.4	16QAM	1	5	13.91	14.06	14.05	15.60
1.4	16QAM	3	0	13.90	13.87	13.83	15.60
1.4	16QAM	3	1	14.02	14.00	13.88	15.60
1.4	16QAM	3	3	13.94	13.95	13.91	15.60
1.4	16QAM	6	0	13.91	14.03	13.95	15.60
1.4	64QAM	1	0	13.99	13.90	13.89	15.60
1.4	64QAM	1	3	13.98	14.01	13.88	15.60
1.4	64QAM	1	5	13.91	14.01	13.92	15.60
1.4	64QAM	3	0	13.95	13.95	13.81	15.60
1.4	64QAM	3	1	13.95	13.94	13.91	15.60
1.4	64QAM	3	3	13.90	13.85	13.97	15.60
1.4	64QAM	6	0	13.99	13.91	13.90	15.60
1.4	256QAM	1	0	13.99	14.04	14.01	15.60
1.4	256QAM	1	3	14.05	13.96	13.98	15.60
1.4	256QAM	1	5	13.93	14.09	13.95	15.60
1.4	256QAM	3	0	13.91	13.99	14.01	15.60
1.4	256QAM	3	1	13.92	13.91	13.94	15.60
1.4	256QAM	3	3	13.90	13.95	13.93	15.60
1.4	256QAM	6	0	13.87	14.02	13.96	15.60

【LTE Band 4_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.17	23.37	23.22	24.00
20	QPSK	1	49	23.02	23.35	23.05	24.00
20	QPSK	1	99	23.00	23.14	23.02	24.00
20	QPSK	50	0	22.05	22.35	22.16	23.00
20	QPSK	50	24	22.00	22.25	22.06	23.00
20	QPSK	50	50	22.00	22.30	22.07	23.00
20	QPSK	100	0	22.00	22.23	22.00	23.00
20	16QAM	1	0	22.16	22.43	22.14	23.00
20	16QAM	1	49	22.23	22.44	22.17	23.00
20	16QAM	1	99	22.20	22.42	22.15	23.00
20	16QAM	50	0	21.02	21.26	21.11	22.00
20	16QAM	50	24	21.01	21.28	21.09	22.00
20	16QAM	50	50	21.08	21.32	21.09	22.00
20	16QAM	100	0	21.06	21.26	21.05	22.00
20	64QAM	1	0	21.11	21.34	21.07	22.00
20	64QAM	1	49	21.27	21.52	21.29	22.00
20	64QAM	1	99	21.10	21.35	21.16	22.00
20	64QAM	50	0	20.05	20.28	20.11	21.00
20	64QAM	50	24	20.05	20.24	20.00	21.00
20	64QAM	50	50	20.18	20.37	20.14	21.00
20	64QAM	100	0	20.05	20.25	20.09	21.00
20	256QAM	1	0	18.08	18.37	18.14	19.00
20	256QAM	1	49	18.17	18.39	18.13	19.00



FCC SAR Test Report

Report No. : FA5N1310

20	256QAM	1	99	18.05	18.36	18.11	19.00
20	256QAM	50	0	18.02	18.27	18.14	19.00
20	256QAM	50	24	18.14	18.32	18.15	19.00
20	256QAM	50	50	18.00	18.27	18.06	19.00
20	256QAM	100	0	18.08	18.25	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.03	23.27	23.12	24.00
15	QPSK	1	37	23.01	23.32	23.01	24.00
15	QPSK	1	74	23.01	23.12	23.00	24.00
15	QPSK	36	0	22.03	22.30	22.12	23.00
15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	22.00	22.27	22.02	23.00
15	QPSK	75	0	22.00	22.19	22.00	23.00
15	16QAM	1	0	22.14	22.28	22.05	23.00
15	16QAM	1	37	22.09	22.30	22.11	23.00
15	16QAM	1	74	22.17	22.40	22.06	23.00
15	16QAM	36	0	21.00	21.23	21.10	22.00
15	16QAM	36	20	21.00	21.17	21.02	22.00
15	16QAM	36	39	21.00	21.19	21.00	22.00
15	16QAM	75	0	21.02	21.19	21.00	22.00
15	64QAM	1	0	21.02	21.31	21.04	22.00
15	64QAM	1	37	21.13	21.46	21.22	22.00
15	64QAM	1	74	21.03	21.31	21.06	22.00
15	64QAM	36	0	20.02	20.26	20.03	21.00
15	64QAM	36	20	20.00	20.16	20.01	21.00
15	64QAM	36	39	20.07	20.35	20.02	21.00
15	64QAM	75	0	20.00	20.22	20.06	21.00
15	256QAM	1	0	18.00	18.24	18.02	19.00
15	256QAM	1	37	18.15	18.37	18.11	19.00
15	256QAM	1	74	18.01	18.30	18.03	19.00
15	256QAM	36	0	18.01	18.15	18.02	19.00
15	256QAM	36	20	18.03	18.26	18.12	19.00
15	256QAM	36	39	18.00	18.18	18.00	19.00
15	256QAM	75	0	18.02	18.15	18.01	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.11	23.28	23.11	24.00
10	QPSK	1	25	23.00	23.30	23.02	24.00
10	QPSK	1	49	23.02	23.09	23.00	24.00
10	QPSK	25	0	22.00	22.33	22.04	23.00
10	QPSK	25	12	22.00	22.16	22.00	23.00
10	QPSK	25	25	22.01	22.27	22.01	23.00
10	QPSK	50	0	22.00	22.21	22.01	23.00
10	16QAM	1	0	22.12	22.34	22.03	23.00
10	16QAM	1	25	22.20	22.36	22.05	23.00
10	16QAM	1	49	22.07	22.35	22.00	23.00
10	16QAM	25	0	21.01	21.13	21.04	22.00
10	16QAM	25	12	21.01	21.26	21.01	22.00
10	16QAM	25	25	21.01	21.28	21.01	22.00
10	16QAM	50	0	21.01	21.21	21.01	22.00
10	64QAM	1	0	21.05	21.29	21.00	22.00
10	64QAM	1	25	21.22	21.46	21.18	22.00
10	64QAM	1	49	21.08	21.22	21.05	22.00
10	64QAM	25	0	20.03	20.22	20.02	21.00
10	64QAM	25	12	20.01	20.17	20.00	21.00
10	64QAM	25	25	20.12	20.33	20.06	21.00
10	64QAM	50	0	20.01	20.23	20.08	21.00
10	256QAM	1	0	18.01	18.29	18.03	19.00
10	256QAM	1	25	18.08	18.27	18.08	19.00
10	256QAM	1	49	18.03	18.34	18.07	19.00
10	256QAM	25	0	18.01	18.18	18.12	19.00
10	256QAM	25	12	18.12	18.24	18.01	19.00
10	256QAM	25	25	18.00	18.17	18.01	19.00
10	256QAM	50	0	18.00	18.17	18.06	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.14	23.26	23.11	24.00
5	QPSK	1	12	23.02	23.26	23.00	24.00
5	QPSK	1	24	23.01	23.00	23.00	24.00
5	QPSK	12	0	22.02	22.23	22.10	23.00
5	QPSK	12	7	22.00	22.13	22.01	23.00
5	QPSK	12	13	22.01	22.21	22.01	23.00
5	QPSK	25	0	22.00	22.09	22.00	23.00
5	16QAM	1	0	22.15	22.33	22.05	23.00
5	16QAM	1	12	22.16	22.38	22.12	23.00
5	16QAM	1	24	22.13	22.40	22.12	23.00
5	16QAM	12	0	21.00	21.11	21.00	22.00



5	16QAM	12	7	21.01	21.13	21.01	22.00
5	16QAM	12	13	21.00	21.17	21.00	22.00
5	16QAM	25	0	21.01	21.22	21.02	22.00
5	64QAM	1	0	21.02	21.29	21.01	22.00
5	64QAM	1	12	21.23	21.40	21.28	22.00
5	64QAM	1	24	21.08	21.32	21.14	22.00
5	64QAM	12	0	20.01	20.18	20.01	21.00
5	64QAM	12	7	20.00	20.14	20.00	21.00
5	64QAM	12	13	20.09	20.24	20.05	21.00
5	64QAM	25	0	20.00	20.18	20.03	21.00
5	256QAM	1	0	18.01	18.24	18.11	19.00
5	256QAM	1	12	18.03	18.32	18.01	19.00
5	256QAM	1	24	18.00	18.22	18.02	19.00
5	256QAM	12	0	18.01	18.25	18.11	19.00
5	256QAM	12	7	18.12	18.17	18.09	19.00
5	256QAM	12	13	18.01	18.20	18.04	19.00
5	256QAM	25	0	18.00	18.21	18.03	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.03	23.35	23.12	24.00
3	QPSK	1	8	23.00	23.28	23.00	24.00
3	QPSK	1	14	23.01	23.03	23.01	24.00
3	QPSK	8	0	22.01	22.31	22.12	23.00
3	QPSK	8	4	22.00	22.13	22.00	23.00
3	QPSK	8	7	22.01	22.17	22.01	23.00
3	QPSK	15	0	22.00	22.15	22.00	23.00
3	16QAM	1	0	22.08	22.40	22.09	23.00
3	16QAM	1	8	22.13	22.36	22.10	23.00
3	16QAM	1	14	22.06	22.30	22.01	23.00
3	16QAM	8	0	21.00	21.25	21.02	22.00
3	16QAM	8	4	21.01	21.23	21.01	22.00
3	16QAM	8	7	21.07	21.20	21.03	22.00
3	16QAM	15	0	21.02	21.22	21.04	22.00
3	64QAM	1	0	21.00	21.30	21.01	22.00
3	64QAM	1	8	21.15	21.50	21.19	22.00
3	64QAM	1	14	21.06	21.29	21.14	22.00
3	64QAM	8	0	20.01	20.15	20.02	21.00
3	64QAM	8	4	20.01	20.09	20.01	21.00
3	64QAM	8	7	20.06	20.29	20.09	21.00
3	64QAM	15	0	20.02	20.21	20.07	21.00
3	256QAM	1	0	18.01	18.22	18.01	19.00
3	256QAM	1	8	18.03	18.38	18.01	19.00
3	256QAM	1	14	18.01	18.22	18.00	19.00
3	256QAM	8	0	18.01	18.20	18.04	19.00
3	256QAM	8	4	18.07	18.25	18.10	19.00
3	256QAM	8	7	18.01	18.14	18.03	19.00
3	256QAM	15	0	18.01	18.13	18.08	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.09	23.23	23.09	24.00
1.4	QPSK	1	3	23.00	23.30	23.00	24.00
1.4	QPSK	1	5	23.01	23.01	23.00	24.00
1.4	QPSK	3	0	23.01	23.33	23.05	24.00
1.4	QPSK	3	1	23.00	23.10	23.00	24.00
1.4	QPSK	3	3	23.00	23.28	23.03	24.00
1.4	QPSK	6	0	22.00	22.21	22.01	23.00
1.4	16QAM	1	0	22.09	22.30	22.11	23.00
1.4	16QAM	1	3	22.17	22.35	22.05	23.00
1.4	16QAM	1	5	22.16	22.35	22.12	23.00
1.4	16QAM	3	0	22.01	22.14	22.00	23.00
1.4	16QAM	3	1	22.01	22.19	22.07	23.00
1.4	16QAM	3	3	22.04	22.25	22.05	23.00
1.4	16QAM	6	0	21.01	21.15	21.00	22.00
1.4	64QAM	1	0	21.00	21.30	21.03	22.00
1.4	64QAM	1	3	21.12	21.48	21.23	22.00
1.4	64QAM	1	5	21.02	21.27	21.09	22.00
1.4	64QAM	3	0	21.01	21.16	21.09	22.00
1.4	64QAM	3	1	21.01	21.11	21.01	22.00
1.4	64QAM	3	3	21.07	21.30	21.00	22.00
1.4	64QAM	6	0	20.01	20.13	20.00	21.00
1.4	256QAM	1	0	18.00	18.29	18.13	19.00
1.4	256QAM	1	3	18.04	18.28	18.05	19.00
1.4	256QAM	1	5	18.04	18.27	18.01	19.00
1.4	256QAM	3	0	18.02	18.17	18.06	19.00
1.4	256QAM	3	1	18.10	18.27	18.14	19.00
1.4	256QAM	3	3	18.00	18.23	18.01	19.00
1.4	256QAM	6	0	18.05	18.10	18.08	19.00

【LTE Band 4_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.37	21.40	21.36	22.40
20	QPSK	1	49	21.01	21.18	21.09	22.40
20	QPSK	1	99	20.85	21.03	20.91	22.40
20	QPSK	50	0	21.31	21.33	21.29	22.40
20	QPSK	50	24	20.90	21.01	20.85	22.40
20	QPSK	50	50	20.95	21.04	20.94	22.40
20	QPSK	100	0	21.22	21.26	21.24	22.40
20	16QAM	1	0	20.98	21.07	20.90	22.40
20	16QAM	1	49	21.12	21.23	21.18	22.40
20	16QAM	1	99	20.84	21.01	20.92	22.40
20	16QAM	50	0	21.02	21.02	20.97	22.40
20	16QAM	50	24	21.01	21.15	21.09	22.40
20	16QAM	50	50	21.08	21.23	21.09	22.40
20	16QAM	100	0	21.06	20.93	21.05	22.40
20	64QAM	1	0	21.11	21.02	21.07	22.40
20	64QAM	1	49	21.27	21.16	21.29	22.40
20	64QAM	1	99	21.10	21.17	21.16	22.40
20	64QAM	50	0	20.05	20.28	20.11	21.00
20	64QAM	50	24	20.05	20.24	20.00	21.00
20	64QAM	50	50	20.18	20.37	20.14	21.00
20	64QAM	100	0	20.05	20.25	20.09	21.00
20	256QAM	1	0	18.08	18.37	18.14	19.00
20	256QAM	1	49	18.17	18.39	18.13	19.00
20	256QAM	1	99	18.05	18.36	18.11	19.00
20	256QAM	50	0	18.02	18.27	18.14	19.00
20	256QAM	50	24	18.14	18.32	18.15	19.00
20	256QAM	50	50	18.00	18.27	18.06	19.00
20	256QAM	100	0	18.08	18.25	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.35	21.30	21.31	22.40
15	QPSK	1	37	20.87	21.06	20.98	22.40
15	QPSK	1	74	20.79	20.99	20.78	22.40
15	QPSK	36	0	21.28	21.30	21.26	22.40
15	QPSK	36	20	20.79	20.98	20.74	22.40
15	QPSK	36	39	20.91	20.92	20.88	22.40
15	QPSK	75	0	21.08	21.22	21.18	22.40
15	16QAM	1	0	20.93	20.95	20.85	22.40
15	16QAM	1	37	21.03	21.14	21.15	22.40
15	16QAM	1	74	20.70	20.91	20.83	22.40
15	16QAM	36	0	20.93	20.97	20.92	22.40
15	16QAM	36	20	20.89	21.10	20.99	22.40
15	16QAM	36	39	20.94	21.10	21.05	22.40
15	16QAM	75	0	20.92	20.90	20.95	22.40
15	64QAM	1	0	21.07	20.91	20.94	22.40
15	64QAM	1	37	21.17	21.04	21.20	22.40
15	64QAM	1	74	21.02	21.04	21.14	22.40
15	64QAM	36	0	19.99	20.20	20.09	21.00
15	64QAM	36	20	20.02	20.10	19.92	21.00
15	64QAM	36	39	20.09	20.29	20.03	21.00
15	64QAM	75	0	20.01	20.17	19.95	21.00
15	256QAM	1	0	18.01	18.26	18.08	19.00
15	256QAM	1	37	18.12	18.29	18.08	19.00
15	256QAM	1	74	17.99	18.25	18.00	19.00
15	256QAM	36	0	17.94	18.16	18.03	19.00
15	256QAM	36	20	18.09	18.28	18.01	19.00
15	256QAM	36	39	17.88	18.24	17.94	19.00
15	256QAM	75	0	17.99	18.10	18.02	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.35	21.33	21.32	22.40
10	QPSK	1	25	20.98	21.16	20.99	22.40
10	QPSK	1	49	20.73	20.89	20.89	22.40
10	QPSK	25	0	21.21	21.22	21.16	22.40
10	QPSK	25	12	20.76	20.92	20.71	22.40
10	QPSK	25	25	20.80	21.02	20.82	22.40
10	QPSK	50	0	21.11	21.19	21.09	22.40



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	1	0	20.97	21.06	20.84	22.40
10	16QAM	1	25	21.00	21.20	21.17	22.40
10	16QAM	1	49	20.72	20.88	20.79	22.40
10	16QAM	25	0	20.92	21.00	20.94	22.40
10	16QAM	25	12	21.00	21.04	21.05	22.40
10	16QAM	25	25	21.04	21.20	20.97	22.40
10	16QAM	50	0	21.03	20.90	21.01	22.40
10	64QAM	1	0	21.05	20.88	21.05	22.40
10	64QAM	1	25	21.15	21.12	21.18	22.40
10	64QAM	1	49	20.99	21.12	21.06	22.40
10	64QAM	25	0	20.00	20.21	20.03	21.00
10	64QAM	25	12	19.99	20.18	19.85	21.00
10	64QAM	25	25	20.13	20.24	20.02	21.00
10	64QAM	50	0	20.02	20.15	20.02	21.00
10	256QAM	1	0	17.94	18.27	18.00	19.00
10	256QAM	1	25	18.03	18.28	18.02	19.00
10	256QAM	1	49	18.00	18.22	18.08	19.00
10	256QAM	25	0	17.96	18.13	18.09	19.00
10	256QAM	25	12	18.03	18.23	18.12	19.00
10	256QAM	25	25	17.90	18.12	17.97	19.00
10	256QAM	50	0	17.94	18.19	17.96	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.24	21.31	21.31	22.40
5	QPSK	1	12	20.97	21.16	21.01	22.40
5	QPSK	1	24	20.75	21.00	20.79	22.40
5	QPSK	12	0	21.22	21.29	21.28	22.40
5	QPSK	12	7	20.87	20.88	20.81	22.40
5	QPSK	12	13	20.82	20.98	20.79	22.40
5	QPSK	25	0	21.20	21.11	21.12	22.40
5	16QAM	1	0	20.90	21.00	20.81	22.40
5	16QAM	1	12	21.07	21.11	21.04	22.40
5	16QAM	1	24	20.80	20.99	20.80	22.40
5	16QAM	12	0	20.94	20.93	20.85	22.40
5	16QAM	12	7	20.96	21.04	21.01	22.40
5	16QAM	12	13	20.98	21.14	20.98	22.40
5	16QAM	25	0	20.97	20.86	20.95	22.40
5	64QAM	1	0	21.01	20.95	20.96	22.40
5	64QAM	1	12	21.23	21.07	21.18	22.40
5	64QAM	1	24	21.05	21.10	21.08	22.40
5	64QAM	12	0	19.94	20.16	19.97	21.00
5	64QAM	12	7	20.01	20.09	19.91	21.00
5	64QAM	12	13	20.16	20.25	20.10	21.00
5	64QAM	25	0	19.96	20.20	20.07	21.00
5	256QAM	1	0	18.03	18.28	18.13	19.00
5	256QAM	1	12	18.06	18.29	18.06	19.00
5	256QAM	1	24	17.91	18.32	18.08	19.00
5	256QAM	12	0	17.93	18.26	18.05	19.00
5	256QAM	12	7	18.08	18.24	18.05	19.00
5	256QAM	12	13	17.98	18.18	18.01	19.00
5	256QAM	25	0	17.96	18.12	17.98	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	21.35	21.27	21.26	22.40
3	QPSK	1	8	20.90	21.14	20.98	22.40
3	QPSK	1	14	20.70	20.94	20.88	22.40
3	QPSK	8	0	21.20	21.26	21.27	22.40
3	QPSK	8	4	20.76	20.90	20.79	22.40
3	QPSK	8	7	20.81	20.93	20.83	22.40
3	QPSK	15	0	21.19	21.15	21.13	22.40
3	16QAM	1	0	20.86	21.00	20.79	22.40
3	16QAM	1	8	21.02	21.20	21.07	22.40
3	16QAM	1	14	20.72	20.96	20.78	22.40
3	16QAM	8	0	20.94	20.98	20.95	22.40
3	16QAM	8	4	20.88	21.00	20.95	22.40
3	16QAM	8	7	21.02	21.10	20.94	22.40
3	16QAM	15	0	20.92	20.83	20.96	22.40
3	64QAM	1	0	21.02	20.95	20.92	22.40
3	64QAM	1	8	21.12	21.03	21.18	22.40
3	64QAM	1	14	21.04	21.11	21.11	22.40
3	64QAM	8	0	19.91	20.23	19.97	21.00
3	64QAM	8	4	19.91	20.22	19.96	21.00
3	64QAM	8	7	20.04	20.36	19.99	21.00
3	64QAM	15	0	19.99	20.23	20.06	21.00
3	256QAM	1	0	17.93	18.22	18.09	19.00
3	256QAM	1	8	18.15	18.34	17.98	19.00
3	256QAM	1	14	17.96	18.28	17.97	19.00
3	256QAM	8	0	17.95	18.20	18.08	19.00



3	256QAM	8	4	18.04	18.18	18.10	19.00
3	256QAM	8	7	17.89	18.12	18.01	19.00
3	256QAM	15	0	17.94	18.13	18.06	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.35	21.31	21.29	22.40
1.4	QPSK	1	3	20.93	21.13	20.98	22.40
1.4	QPSK	1	5	20.82	20.89	20.89	22.40
1.4	QPSK	3	0	21.23	21.19	21.26	22.40
1.4	QPSK	3	1	20.85	21.00	20.70	22.40
1.4	QPSK	3	3	20.91	20.99	20.81	22.40
1.4	QPSK	6	0	21.15	21.12	21.19	22.40
1.4	16QAM	1	0	20.84	21.03	20.88	22.40
1.4	16QAM	1	3	20.97	21.15	21.06	22.40
1.4	16QAM	1	5	20.75	20.93	20.89	22.40
1.4	16QAM	3	0	20.91	21.00	20.94	22.40
1.4	16QAM	3	1	20.89	21.13	21.05	22.40
1.4	16QAM	3	3	20.99	21.19	21.04	22.40
1.4	16QAM	6	0	21.03	20.79	20.95	22.40
1.4	64QAM	1	0	21.07	20.98	21.02	22.40
1.4	64QAM	1	3	21.13	21.09	21.19	22.40
1.4	64QAM	1	5	21.05	21.10	21.12	22.40
1.4	64QAM	3	0	20.98	21.15	21.01	22.40
1.4	64QAM	3	1	21.00	21.19	20.91	22.40
1.4	64QAM	3	3	21.11	21.26	21.01	22.40
1.4	64QAM	6	0	19.92	20.13	19.99	21.00
1.4	256QAM	1	0	17.94	18.24	18.13	19.00
1.4	256QAM	1	3	18.11	18.31	18.02	19.00
1.4	256QAM	1	5	17.98	18.35	18.00	19.00
1.4	256QAM	3	0	17.91	18.22	18.06	19.00
1.4	256QAM	3	1	18.11	18.24	18.09	19.00
1.4	256QAM	3	3	17.90	18.13	18.00	19.00
1.4	256QAM	6	0	18.02	18.17	18.03	19.00

【LTE Band 4_Ant 3_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.41	18.43	18.39	19.50
20	QPSK	1	49	18.01	18.15	18.05	19.50
20	QPSK	1	99	18.17	18.28	18.15	19.50
20	QPSK	50	0	18.20	18.24	18.19	19.50
20	QPSK	50	24	18.15	18.19	18.07	19.50
20	QPSK	50	50	18.08	18.19	18.12	19.50
20	QPSK	100	0	18.12	18.17	18.15	19.50
20	16QAM	1	0	18.21	18.26	18.15	19.50
20	16QAM	1	49	18.07	18.15	17.97	19.50
20	16QAM	1	99	18.14	18.28	18.15	19.50
20	16QAM	50	0	18.18	18.26	18.09	19.50
20	16QAM	50	24	18.12	18.27	18.11	19.50
20	16QAM	50	50	18.23	18.31	18.22	19.50
20	16QAM	100	0	18.17	18.24	18.18	19.50
20	64QAM	1	0	18.16	18.22	18.15	19.50
20	64QAM	1	49	18.11	18.22	18.07	19.50
20	64QAM	1	99	18.06	18.22	18.09	19.50
20	64QAM	50	0	18.09	18.14	18.08	19.50
20	64QAM	50	24	18.11	18.16	18.03	19.50
20	64QAM	50	50	17.99	18.15	18.06	19.50
20	64QAM	100	0	18.08	18.19	18.05	19.50
20	256QAM	1	0	18.06	18.16	18.04	19.00
20	256QAM	1	49	18.01	18.16	17.98	19.00
20	256QAM	1	99	18.02	18.15	18.02	19.00
20	256QAM	50	0	18.11	18.21	18.15	19.00
20	256QAM	50	24	18.10	18.22	18.11	19.00
20	256QAM	50	50	18.14	18.23	18.09	19.00
20	256QAM	100	0	18.17	18.25	18.06	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.35	18.42	18.32	19.50
15	QPSK	1	37	17.91	18.02	18.02	19.50
15	QPSK	1	74	18.05	18.14	18.08	19.50



15	QPSK	36	0	18.10	18.11	18.16	19.50
15	QPSK	36	20	18.01	18.16	17.92	19.50
15	QPSK	36	39	18.05	18.09	18.05	19.50
15	QPSK	75	0	18.00	18.13	18.08	19.50
15	16QAM	1	0	18.19	18.13	18.05	19.50
15	16QAM	1	37	17.94	18.11	17.88	19.50
15	16QAM	1	74	18.01	18.27	18.14	19.50
15	16QAM	36	0	18.05	18.20	18.08	19.50
15	16QAM	36	20	18.06	18.15	18.01	19.50
15	16QAM	36	39	18.14	18.27	18.09	19.50
15	16QAM	75	0	18.05	18.19	18.07	19.50
15	64QAM	1	0	18.03	18.16	18.02	19.50
15	64QAM	1	37	18.09	18.12	18.04	19.50
15	64QAM	1	74	17.97	18.13	17.99	19.50
15	64QAM	36	0	18.07	18.12	18.03	19.50
15	64QAM	36	20	18.00	18.08	17.90	19.50
15	64QAM	36	39	17.92	18.10	18.03	19.50
15	64QAM	75	0	17.99	18.14	18.02	19.50
15	256QAM	1	0	18.04	18.05	18.02	19.00
15	256QAM	1	37	17.98	18.09	17.87	19.00
15	256QAM	1	74	18.00	18.13	17.87	19.00
15	256QAM	36	0	18.07	18.13	18.06	19.00
15	256QAM	36	20	17.96	18.19	18.04	19.00
15	256QAM	36	39	18.07	18.10	17.97	19.00
15	256QAM	75	0	18.05	18.13	17.97	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	18.37	18.29	18.28	19.50
10	QPSK	1	25	17.91	18.03	17.99	19.50
10	QPSK	1	49	18.15	18.22	18.05	19.50
10	QPSK	25	0	18.09	18.10	18.15	19.50
10	QPSK	25	12	18.01	18.17	17.93	19.50
10	QPSK	25	25	18.04	18.15	18.04	19.50
10	QPSK	50	0	18.11	18.07	18.09	19.50
10	16QAM	1	0	18.08	18.20	18.05	19.50
10	16QAM	1	25	17.94	18.04	17.87	19.50
10	16QAM	1	49	18.09	18.15	18.10	19.50
10	16QAM	25	0	18.14	18.18	17.95	19.50
10	16QAM	25	12	18.06	18.23	17.99	19.50
10	16QAM	25	25	18.11	18.26	18.17	19.50
10	16QAM	50	0	18.06	18.13	18.11	19.50
10	64QAM	1	0	18.04	18.09	18.00	19.50
10	64QAM	1	25	18.06	18.14	18.05	19.50
10	64QAM	1	49	17.97	18.15	18.07	19.50
10	64QAM	25	0	18.03	18.02	17.93	19.50
10	64QAM	25	12	18.01	18.05	17.97	19.50
10	64QAM	25	25	17.97	18.04	18.00	19.50
10	64QAM	50	0	17.98	18.04	17.98	19.50
10	256QAM	1	0	18.01	18.02	17.98	19.00
10	256QAM	1	25	17.87	18.04	17.84	19.00
10	256QAM	1	49	17.93	18.08	17.94	19.00
10	256QAM	25	0	17.98	18.17	18.12	19.00
10	256QAM	25	12	18.01	18.13	18.03	19.00
10	256QAM	25	25	18.08	18.12	18.08	19.00
10	256QAM	50	0	18.09	18.18	18.01	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	18.28	18.34	18.31	19.50
5	QPSK	1	12	17.93	18.08	17.95	19.50
5	QPSK	1	24	18.05	18.23	18.13	19.50
5	QPSK	12	0	18.17	18.13	18.07	19.50
5	QPSK	12	7	18.11	18.15	17.93	19.50
5	QPSK	12	13	18.01	18.09	18.10	19.50
5	QPSK	25	0	18.05	18.09	18.04	19.50
5	16QAM	1	0	18.19	18.16	18.08	19.50
5	16QAM	1	12	17.96	18.06	17.91	19.50
5	16QAM	1	24	18.12	18.22	18.08	19.50
5	16QAM	12	0	18.07	18.20	18.01	19.50
5	16QAM	12	7	18.08	18.12	18.07	19.50
5	16QAM	12	13	18.16	18.21	18.10	19.50
5	16QAM	25	0	18.11	18.21	18.12	19.50
5	64QAM	1	0	18.12	18.16	18.13	19.50
5	64QAM	1	12	18.02	18.16	18.06	19.50
5	64QAM	1	24	17.99	18.19	17.98	19.50
5	64QAM	12	0	18.08	18.02	18.06	19.50
5	64QAM	12	7	17.99	18.08	17.93	19.50
5	64QAM	12	13	17.94	18.14	18.03	19.50
5	64QAM	25	0	17.95	18.07	18.02	19.50



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	1	0	17.99	18.06	17.96	19.00
5	256QAM	1	12	17.88	18.09	17.84	19.00
5	256QAM	1	24	17.88	18.08	17.96	19.00
5	256QAM	12	0	18.06	18.07	18.02	19.00
5	256QAM	12	7	18.00	18.08	18.04	19.00
5	256QAM	12	13	18.07	18.09	17.99	19.00
5	256QAM	25	0	18.14	18.15	18.01	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.30	18.40	18.25	19.50
3	QPSK	1	8	17.88	18.07	17.95	19.50
3	QPSK	1	14	18.06	18.25	18.10	19.50
3	QPSK	8	0	18.06	18.23	18.04	19.50
3	QPSK	8	4	18.11	18.09	17.96	19.50
3	QPSK	8	7	18.01	18.06	18.10	19.50
3	QPSK	15	0	18.03	18.10	18.08	19.50
3	16QAM	1	0	18.18	18.17	18.06	19.50
3	16QAM	1	8	17.98	18.13	17.86	19.50
3	16QAM	1	14	18.03	18.26	18.05	19.50
3	16QAM	8	0	18.15	18.12	18.02	19.50
3	16QAM	8	4	18.02	18.14	18.10	19.50
3	16QAM	8	7	18.16	18.22	18.18	19.50
3	16QAM	15	0	18.05	18.23	18.08	19.50
3	64QAM	1	0	18.13	18.20	18.08	19.50
3	64QAM	1	8	18.02	18.13	18.02	19.50
3	64QAM	1	14	18.03	18.09	17.99	19.50
3	64QAM	8	0	18.02	18.10	17.95	19.50
3	64QAM	8	4	18.08	18.10	17.98	19.50
3	64QAM	8	7	17.84	18.01	17.91	19.50
3	64QAM	15	0	18.00	18.10	17.96	19.50
3	256QAM	1	0	18.03	18.12	17.97	19.00
3	256QAM	1	8	17.94	18.01	17.85	19.00
3	256QAM	1	14	17.98	18.05	17.95	19.00
3	256QAM	8	0	17.99	18.19	18.04	19.00
3	256QAM	8	4	18.03	18.18	18.01	19.00
3	256QAM	8	7	18.05	18.09	17.94	19.00
3	256QAM	15	0	18.12	18.21	18.04	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.30	18.34	18.30	19.50
1.4	QPSK	1	3	17.96	18.07	17.95	19.50
1.4	QPSK	1	5	18.09	18.20	18.07	19.50
1.4	QPSK	3	0	18.07	18.15	18.11	19.50
1.4	QPSK	3	1	18.05	18.07	18.00	19.50
1.4	QPSK	3	3	18.06	18.16	18.04	19.50
1.4	QPSK	6	0	18.04	18.02	18.13	19.50
1.4	16QAM	1	0	18.19	18.17	18.05	19.50
1.4	16QAM	1	3	17.99	18.02	17.88	19.50
1.4	16QAM	1	5	18.07	18.13	18.12	19.50
1.4	16QAM	3	0	18.09	18.22	17.98	19.50
1.4	16QAM	3	1	18.02	18.14	18.00	19.50
1.4	16QAM	3	3	18.21	18.21	18.19	19.50
1.4	16QAM	6	0	18.14	18.10	18.10	19.50
1.4	64QAM	1	0	18.07	18.07	18.03	19.50
1.4	64QAM	1	3	17.98	18.09	18.06	19.50
1.4	64QAM	1	5	18.03	18.14	17.95	19.50
1.4	64QAM	3	0	17.99	18.08	17.94	19.50
1.4	64QAM	3	1	18.02	18.06	17.97	19.50
1.4	64QAM	3	3	17.97	18.07	17.94	19.50
1.4	64QAM	6	0	18.00	18.06	17.98	19.50
1.4	256QAM	1	0	17.99	18.02	18.01	19.00
1.4	256QAM	1	3	17.95	18.07	17.95	19.00
1.4	256QAM	1	5	17.95	18.10	17.93	19.00
1.4	256QAM	3	0	18.09	18.20	18.02	19.00
1.4	256QAM	3	1	18.01	18.08	18.08	19.00
1.4	256QAM	3	3	18.11	18.10	18.01	19.00
1.4	256QAM	6	0	18.11	18.11	17.92	19.00



【LTE Band 4_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.17	23.37	23.22	24.00
20	QPSK	1	49	23.02	23.35	23.05	24.00
20	QPSK	1	99	23.00	23.14	23.02	24.00
20	QPSK	50	0	22.05	22.35	22.16	23.00
20	QPSK	50	24	22.00	22.25	22.06	23.00
20	QPSK	50	50	22.00	22.30	22.07	23.00
20	QPSK	100	0	22.00	22.23	22.00	23.00
20	16QAM	1	0	22.16	22.43	22.14	23.00
20	16QAM	1	49	22.23	22.44	22.17	23.00
20	16QAM	1	99	22.20	22.42	22.15	23.00
20	16QAM	50	0	21.02	21.26	21.11	22.00
20	16QAM	50	24	21.01	21.28	21.09	22.00
20	16QAM	50	50	21.08	21.32	21.09	22.00
20	16QAM	100	0	21.06	21.26	21.05	22.00
20	64QAM	1	0	21.11	21.34	21.07	22.00
20	64QAM	1	49	21.27	21.52	21.29	22.00
20	64QAM	1	99	21.10	21.35	21.16	22.00
20	64QAM	50	0	20.05	20.28	20.11	21.00
20	64QAM	50	24	20.05	20.24	20.00	21.00
20	64QAM	50	50	20.18	20.37	20.14	21.00
20	64QAM	100	0	20.05	20.25	20.09	21.00
20	256QAM	1	0	18.08	18.37	18.14	19.00
20	256QAM	1	49	18.17	18.39	18.13	19.00
20	256QAM	1	99	18.05	18.36	18.11	19.00
20	256QAM	50	0	18.02	18.27	18.14	19.00
20	256QAM	50	24	18.14	18.32	18.15	19.00
20	256QAM	50	50	18.00	18.27	18.06	19.00
20	256QAM	100	0	18.08	18.25	18.10	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.03	23.27	23.12	24.00
15	QPSK	1	37	23.01	23.32	23.01	24.00
15	QPSK	1	74	23.01	23.12	23.00	24.00
15	QPSK	36	0	22.03	22.30	22.12	23.00
15	QPSK	36	20	22.00	22.21	22.01	23.00
15	QPSK	36	39	22.00	22.27	22.02	23.00
15	QPSK	75	0	22.00	22.19	22.00	23.00
15	16QAM	1	0	22.14	22.28	22.05	23.00
15	16QAM	1	37	22.09	22.30	22.11	23.00
15	16QAM	1	74	22.17	22.40	22.06	23.00
15	16QAM	36	0	21.00	21.23	21.10	22.00
15	16QAM	36	20	21.00	21.17	21.02	22.00
15	16QAM	36	39	21.00	21.19	21.00	22.00
15	16QAM	75	0	21.02	21.19	21.00	22.00
15	64QAM	1	0	21.02	21.31	21.04	22.00
15	64QAM	1	37	21.13	21.46	21.22	22.00
15	64QAM	1	74	21.03	21.31	21.06	22.00
15	64QAM	36	0	20.02	20.26	20.03	21.00
15	64QAM	36	20	20.00	20.16	20.01	21.00
15	64QAM	36	39	20.07	20.35	20.02	21.00
15	64QAM	75	0	20.00	20.22	20.06	21.00
15	256QAM	1	0	18.00	18.24	18.02	19.00
15	256QAM	1	37	18.15	18.37	18.11	19.00
15	256QAM	1	74	18.01	18.30	18.03	19.00
15	256QAM	36	0	18.01	18.15	18.02	19.00
15	256QAM	36	20	18.03	18.26	18.12	19.00
15	256QAM	36	39	18.00	18.18	18.00	19.00
15	256QAM	75	0	18.02	18.15	18.01	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.11	23.28	23.11	24.00
10	QPSK	1	25	23.00	23.30	23.02	24.00
10	QPSK	1	49	23.02	23.09	23.00	24.00
10	QPSK	25	0	22.00	22.33	22.04	23.00
10	QPSK	25	12	22.00	22.16	22.00	23.00
10	QPSK	25	25	22.01	22.27	22.01	23.00
10	QPSK	50	0	22.00	22.21	22.01	23.00
10	16QAM	1	0	22.12	22.34	22.03	23.00
10	16QAM	1	25	22.20	22.36	22.05	23.00
10	16QAM	1	49	22.07	22.35	22.00	23.00
10	16QAM	25	0	21.01	21.13	21.04	22.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	21.01	21.26	21.01	22.00
10	16QAM	25	25	21.01	21.28	21.01	22.00
10	16QAM	50	0	21.01	21.21	21.01	22.00
10	64QAM	1	0	21.05	21.29	21.00	22.00
10	64QAM	1	25	21.22	21.46	21.18	22.00
10	64QAM	1	49	21.08	21.22	21.05	22.00
10	64QAM	25	0	20.03	20.22	20.02	21.00
10	64QAM	25	12	20.01	20.17	20.00	21.00
10	64QAM	25	25	20.12	20.33	20.06	21.00
10	64QAM	50	0	20.01	20.23	20.08	21.00
10	256QAM	1	0	18.01	18.29	18.03	19.00
10	256QAM	1	25	18.08	18.27	18.08	19.00
10	256QAM	1	49	18.03	18.34	18.07	19.00
10	256QAM	25	0	18.01	18.18	18.12	19.00
10	256QAM	25	12	18.12	18.24	18.01	19.00
10	256QAM	25	25	18.00	18.17	18.01	19.00
10	256QAM	50	0	18.00	18.17	18.06	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	23.14	23.26	23.11	24.00
5	QPSK	1	12	23.02	23.26	23.00	24.00
5	QPSK	1	24	23.01	23.00	23.00	24.00
5	QPSK	12	0	22.02	22.23	22.10	23.00
5	QPSK	12	7	22.00	22.13	22.01	23.00
5	QPSK	12	13	22.01	22.21	22.01	23.00
5	QPSK	25	0	22.00	22.09	22.00	23.00
5	16QAM	1	0	22.15	22.33	22.05	23.00
5	16QAM	1	12	22.16	22.38	22.12	23.00
5	16QAM	1	24	22.13	22.40	22.12	23.00
5	16QAM	12	0	21.00	21.11	21.00	22.00
5	16QAM	12	7	21.01	21.13	21.01	22.00
5	16QAM	12	13	21.00	21.17	21.00	22.00
5	16QAM	25	0	21.01	21.22	21.02	22.00
5	64QAM	1	0	21.02	21.29	21.01	22.00
5	64QAM	1	12	21.23	21.40	21.28	22.00
5	64QAM	1	24	21.08	21.32	21.14	22.00
5	64QAM	12	0	20.01	20.18	20.01	21.00
5	64QAM	12	7	20.00	20.14	20.00	21.00
5	64QAM	12	13	20.09	20.24	20.05	21.00
5	64QAM	25	0	20.00	20.18	20.03	21.00
5	256QAM	1	0	18.01	18.24	18.11	19.00
5	256QAM	1	12	18.03	18.32	18.01	19.00
5	256QAM	1	24	18.00	18.22	18.02	19.00
5	256QAM	12	0	18.01	18.25	18.11	19.00
5	256QAM	12	7	18.12	18.17	18.09	19.00
5	256QAM	12	13	18.01	18.20	18.04	19.00
5	256QAM	25	0	18.00	18.21	18.03	19.00
Channel				19965	20175	20385	Tune-up limit
Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.03	23.35	23.12	24.00
3	QPSK	1	8	23.00	23.28	23.00	24.00
3	QPSK	1	14	23.01	23.03	23.01	24.00
3	QPSK	8	0	22.01	22.31	22.12	23.00
3	QPSK	8	4	22.00	22.13	22.00	23.00
3	QPSK	8	7	22.01	22.17	22.01	23.00
3	QPSK	15	0	22.00	22.15	22.00	23.00
3	16QAM	1	0	22.08	22.40	22.09	23.00
3	16QAM	1	8	22.13	22.36	22.10	23.00
3	16QAM	1	14	22.06	22.30	22.01	23.00
3	16QAM	8	0	21.00	21.25	21.02	22.00
3	16QAM	8	4	21.01	21.23	21.01	22.00
3	16QAM	8	7	21.07	21.20	21.03	22.00
3	16QAM	15	0	21.02	21.22	21.04	22.00
3	64QAM	1	0	21.00	21.30	21.01	22.00
3	64QAM	1	8	21.15	21.50	21.19	22.00
3	64QAM	1	14	21.06	21.29	21.14	22.00
3	64QAM	8	0	20.01	20.15	20.02	21.00
3	64QAM	8	4	20.01	20.09	20.01	21.00
3	64QAM	8	7	20.06	20.29	20.09	21.00
3	64QAM	15	0	20.02	20.21	20.07	21.00
3	256QAM	1	0	18.01	18.22	18.01	19.00
3	256QAM	1	8	18.03	18.38	18.01	19.00
3	256QAM	1	14	18.01	18.22	18.00	19.00
3	256QAM	8	0	18.01	18.20	18.04	19.00
3	256QAM	8	4	18.07	18.25	18.10	19.00
3	256QAM	8	7	18.01	18.14	18.03	19.00
3	256QAM	15	0	18.01	18.13	18.08	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	23.09	23.23	23.09	24.00
1.4	QPSK	1	3	23.00	23.30	23.00	24.00
1.4	QPSK	1	5	23.01	23.01	23.00	24.00
1.4	QPSK	3	0	23.01	23.33	23.05	24.00
1.4	QPSK	3	1	23.00	23.10	23.00	24.00
1.4	QPSK	3	3	23.00	23.28	23.03	24.00
1.4	QPSK	6	0	22.00	22.21	22.01	23.00
1.4	16QAM	1	0	22.09	22.30	22.11	23.00
1.4	16QAM	1	3	22.17	22.35	22.05	23.00
1.4	16QAM	1	5	22.16	22.35	22.12	23.00
1.4	16QAM	3	0	22.01	22.14	22.00	23.00
1.4	16QAM	3	1	22.01	22.19	22.07	23.00
1.4	16QAM	3	3	22.04	22.25	22.05	23.00
1.4	16QAM	6	0	21.01	21.15	21.00	22.00
1.4	64QAM	1	0	21.00	21.30	21.03	22.00
1.4	64QAM	1	3	21.12	21.48	21.23	22.00
1.4	64QAM	1	5	21.02	21.27	21.09	22.00
1.4	64QAM	3	0	21.01	21.16	21.09	22.00
1.4	64QAM	3	1	21.01	21.11	21.01	22.00
1.4	64QAM	3	3	21.07	21.30	21.00	22.00
1.4	64QAM	6	0	20.01	20.13	20.00	21.00
1.4	256QAM	1	0	18.00	18.29	18.13	19.00
1.4	256QAM	1	3	18.04	18.28	18.05	19.00
1.4	256QAM	1	5	18.04	18.27	18.01	19.00
1.4	256QAM	3	0	18.02	18.17	18.06	19.00
1.4	256QAM	3	1	18.10	18.27	18.14	19.00
1.4	256QAM	3	3	18.00	18.23	18.01	19.00
1.4	256QAM	6	0	18.05	18.10	18.08	19.00

【LTE Band 4_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.39	21.42	21.36	22.70
20	QPSK	1	49	21.09	21.20	21.01	22.70
20	QPSK	1	99	21.15	21.29	21.11	22.70
20	QPSK	50	0	21.22	21.28	21.18	22.70
20	QPSK	50	24	21.15	21.19	21.01	22.70
20	QPSK	50	50	21.02	21.17	20.97	22.70
20	QPSK	100	0	21.10	21.19	21.09	22.70
20	16QAM	1	0	21.03	21.19	21.10	22.70
20	16QAM	1	49	21.12	21.25	21.07	22.70
20	16QAM	1	99	21.13	21.30	21.20	22.70
20	16QAM	50	0	20.15	20.29	20.21	22.00
20	16QAM	50	24	20.18	20.30	20.10	22.00
20	16QAM	50	50	20.21	20.28	20.18	22.00
20	16QAM	100	0	20.10	20.25	20.14	22.00
20	64QAM	1	0	20.10	20.17	20.01	22.00
20	64QAM	1	49	20.09	20.25	20.10	22.00
20	64QAM	1	99	20.11	20.17	20.00	22.00
20	64QAM	50	0	19.11	19.28	19.17	21.00
20	64QAM	50	24	19.20	19.30	19.10	21.00
20	64QAM	50	50	19.15	19.25	19.13	21.00
20	64QAM	100	0	19.00	19.16	19.01	21.00
20	256QAM	1	0	17.19	17.30	17.23	19.00
20	256QAM	1	49	17.06	17.17	17.09	19.00
20	256QAM	1	99	17.15	17.21	17.08	19.00
20	256QAM	50	0	17.03	17.16	17.03	19.00
20	256QAM	50	24	17.04	17.18	17.06	19.00
20	256QAM	50	50	17.07	17.19	17.03	19.00
20	256QAM	100	0	17.21	17.31	17.13	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.29	21.40	21.26	22.70
15	QPSK	1	37	21.04	21.15	20.90	22.70
15	QPSK	1	74	21.04	21.15	20.96	22.70
15	QPSK	36	0	21.10	21.16	21.07	22.70
15	QPSK	36	20	21.07	21.12	20.86	22.70
15	QPSK	36	39	20.93	21.12	20.85	22.70
15	QPSK	75	0	20.96	21.05	21.04	22.70



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	20.90	21.11	20.97	22.70
15	16QAM	1	37	21.09	21.19	20.93	22.70
15	16QAM	1	74	20.98	21.25	21.14	22.70
15	16QAM	36	0	20.03	20.28	20.19	22.00
15	16QAM	36	20	20.11	20.22	20.01	22.00
15	16QAM	36	39	20.09	20.20	20.11	22.00
15	16QAM	75	0	20.01	20.17	20.05	22.00
15	64QAM	1	0	20.01	20.03	20.02	22.00
15	64QAM	1	37	20.03	20.13	20.04	22.00
15	64QAM	1	74	20.05	20.09	20.00	22.00
15	64QAM	36	0	19.06	19.15	19.10	21.00
15	64QAM	36	20	19.09	19.16	19.00	21.00
15	64QAM	36	39	19.10	19.19	19.01	21.00
15	64QAM	75	0	19.01	19.03	19.00	21.00
15	256QAM	1	0	17.07	17.17	17.17	19.00
15	256QAM	1	37	17.04	17.09	17.00	19.00
15	256QAM	1	74	17.14	17.19	17.05	19.00
15	256QAM	36	0	17.00	17.03	17.00	19.00
15	256QAM	36	20	17.02	17.11	17.01	19.00
15	256QAM	36	39	17.00	17.10	17.01	19.00
15	256QAM	75	0	17.12	17.17	17.04	19.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	21.29	21.35	21.33	22.70
10	QPSK	1	25	21.01	21.08	20.90	22.70
10	QPSK	1	49	21.05	21.16	20.97	22.70
10	QPSK	25	0	21.14	21.18	21.07	22.70
10	QPSK	25	12	21.08	21.12	20.88	22.70
10	QPSK	25	25	20.88	21.08	20.85	22.70
10	QPSK	50	0	21.07	21.08	21.01	22.70
10	16QAM	1	0	20.97	21.05	21.02	22.70
10	16QAM	1	25	21.06	21.17	20.99	22.70
10	16QAM	1	49	21.11	21.19	21.08	22.70
10	16QAM	25	0	20.01	20.15	20.08	22.00
10	16QAM	25	12	20.06	20.17	20.00	22.00
10	16QAM	25	25	20.11	20.26	20.08	22.00
10	16QAM	50	0	20.04	20.20	20.07	22.00
10	64QAM	1	0	20.02	20.04	20.00	22.00
10	64QAM	1	25	20.02	20.22	20.01	22.00
10	64QAM	1	49	20.02	20.15	20.00	22.00
10	64QAM	25	0	19.02	19.17	19.05	21.00
10	64QAM	25	12	19.08	19.22	19.02	21.00
10	64QAM	25	25	19.08	19.20	19.10	21.00
10	64QAM	50	0	19.00	19.05	19.01	21.00
10	256QAM	1	0	17.17	17.25	17.11	19.00
10	256QAM	1	25	17.00	17.02	17.01	19.00
10	256QAM	1	49	17.08	17.11	17.07	19.00
10	256QAM	25	0	17.00	17.11	17.00	19.00
10	256QAM	25	12	17.01	17.09	17.02	19.00
10	256QAM	25	25	17.00	17.12	17.00	19.00
10	256QAM	50	0	17.18	17.18	17.08	19.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	21.33	21.27	21.24	22.70
5	QPSK	1	12	21.05	21.06	20.90	22.70
5	QPSK	1	24	21.05	21.20	21.05	22.70
5	QPSK	12	0	21.10	21.18	21.06	22.70
5	QPSK	12	7	21.05	21.13	21.00	22.70
5	QPSK	12	13	20.92	21.07	20.82	22.70
5	QPSK	25	0	21.02	21.13	21.07	22.70
5	16QAM	1	0	20.93	21.11	21.03	22.70
5	16QAM	1	12	21.09	21.14	20.94	22.70
5	16QAM	1	24	21.11	21.22	21.13	22.70
5	16QAM	12	0	20.10	20.25	20.13	22.00
5	16QAM	12	7	20.15	20.29	20.01	22.00
5	16QAM	12	13	20.17	20.19	20.04	22.00
5	16QAM	25	0	20.08	20.22	20.10	22.00
5	64QAM	1	0	20.02	20.08	20.00	22.00
5	64QAM	1	12	20.01	20.12	20.01	22.00
5	64QAM	1	24	20.10	20.04	20.02	22.00
5	64QAM	12	0	19.07	19.20	19.03	21.00
5	64QAM	12	7	19.08	19.23	19.02	21.00
5	64QAM	12	13	19.12	19.19	19.08	21.00
5	64QAM	25	0	19.02	19.08	19.00	21.00
5	256QAM	1	0	17.12	17.29	17.20	19.00
5	256QAM	1	12	17.01	17.15	17.02	19.00
5	256QAM	1	24	17.13	17.13	17.07	19.00
5	256QAM	12	0	17.00	17.11	17.00	19.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	17.01	17.06	17.01	19.00
5	256QAM	12	13	17.00	17.14	17.02	19.00
5	256QAM	25	0	17.14	17.25	17.07	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.25	21.29	21.22	22.70
3	QPSK	1	8	21.01	21.15	20.89	22.70
3	QPSK	1	14	21.04	21.17	21.06	22.70
3	QPSK	8	0	21.19	21.18	21.11	22.70
3	QPSK	8	4	21.10	21.11	20.89	22.70
3	QPSK	8	7	20.99	21.14	20.92	22.70
3	QPSK	15	0	20.98	21.15	21.07	22.70
3	16QAM	1	0	20.97	21.11	20.96	22.70
3	16QAM	1	8	21.09	21.15	21.01	22.70
3	16QAM	1	14	21.02	21.27	21.18	22.70
3	16QAM	8	0	20.04	20.21	20.20	22.00
3	16QAM	8	4	20.16	20.20	20.00	22.00
3	16QAM	8	7	20.13	20.25	20.16	22.00
3	16QAM	15	0	20.00	20.15	20.05	22.00
3	64QAM	1	0	20.07	20.14	20.00	22.00
3	64QAM	1	8	20.05	20.14	20.06	22.00
3	64QAM	1	14	20.10	20.12	20.00	22.00
3	64QAM	8	0	19.08	19.19	19.04	21.00
3	64QAM	8	4	19.11	19.27	19.08	21.00
3	64QAM	8	7	19.05	19.12	19.06	21.00
3	64QAM	15	0	19.00	19.13	19.00	21.00
3	256QAM	1	0	17.18	17.23	17.10	19.00
3	256QAM	1	8	17.04	17.09	17.02	19.00
3	256QAM	1	14	17.05	17.10	17.01	19.00
3	256QAM	8	0	17.00	17.04	17.01	19.00
3	256QAM	8	4	17.00	17.14	17.00	19.00
3	256QAM	8	7	17.00	17.04	17.02	19.00
3	256QAM	15	0	17.17	17.18	17.08	19.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.32	21.33	21.25	22.70
1.4	QPSK	1	3	21.05	21.15	20.97	22.70
1.4	QPSK	1	5	21.07	21.19	21.02	22.70
1.4	QPSK	3	0	21.08	21.19	21.10	22.70
1.4	QPSK	3	1	21.02	21.11	20.90	22.70
1.4	QPSK	3	3	20.91	21.11	20.83	22.70
1.4	QPSK	6	0	21.00	21.12	20.97	22.70
1.4	16QAM	1	0	21.01	21.07	20.99	22.70
1.4	16QAM	1	3	21.06	21.16	21.05	22.70
1.4	16QAM	1	5	20.98	21.24	21.16	22.70
1.4	16QAM	3	0	20.02	20.18	20.15	22.00
1.4	16QAM	3	1	20.04	20.15	20.05	22.00
1.4	16QAM	3	3	20.12	20.25	20.13	22.00
1.4	16QAM	6	0	20.02	20.21	20.05	22.00
1.4	64QAM	1	0	20.06	20.07	20.01	22.00
1.4	64QAM	1	3	20.07	20.22	20.00	22.00
1.4	64QAM	1	5	20.07	20.02	20.00	22.00
1.4	64QAM	3	0	20.03	20.26	20.03	22.00
1.4	64QAM	3	1	20.07	20.19	20.00	22.00
1.4	64QAM	3	3	20.09	20.18	20.11	22.00
1.4	64QAM	6	0	19.01	19.02	19.01	21.00
1.4	256QAM	1	0	17.14	17.16	17.19	19.00
1.4	256QAM	1	3	17.01	17.05	17.03	19.00
1.4	256QAM	1	5	17.09	17.15	17.01	19.00
1.4	256QAM	3	0	17.00	17.13	17.00	19.00
1.4	256QAM	3	1	17.01	17.17	17.01	19.00
1.4	256QAM	3	3	17.02	17.07	17.00	19.00
1.4	256QAM	6	0	17.09	17.18	17.07	19.00

**【LTE Band 4_Ant 3_DSI 7】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.41	18.43	18.39	19.50
20	QPSK	1	49	18.01	18.15	18.05	19.50
20	QPSK	1	99	18.17	18.28	18.15	19.50
20	QPSK	50	0	18.20	18.24	18.19	19.50
20	QPSK	50	24	18.15	18.19	18.07	19.50
20	QPSK	50	50	18.08	18.19	18.12	19.50
20	QPSK	100	0	18.12	18.17	18.15	19.50
20	16QAM	1	0	18.21	18.26	18.15	19.50
20	16QAM	1	49	18.07	18.15	17.97	19.50
20	16QAM	1	99	18.14	18.28	18.15	19.50
20	16QAM	50	0	18.18	18.26	18.09	19.50
20	16QAM	50	24	18.12	18.27	18.11	19.50
20	16QAM	50	50	18.23	18.31	18.22	19.50
20	16QAM	100	0	18.17	18.24	18.18	19.50
20	64QAM	1	0	18.16	18.22	18.15	19.50
20	64QAM	1	49	18.11	18.22	18.07	19.50
20	64QAM	1	99	18.06	18.22	18.09	19.50
20	64QAM	50	0	18.09	18.14	18.08	19.50
20	64QAM	50	24	18.11	18.16	18.03	19.50
20	64QAM	50	50	17.99	18.15	18.06	19.50
20	64QAM	100	0	18.08	18.19	18.05	19.50
20	256QAM	1	0	18.06	18.16	18.04	19.00
20	256QAM	1	49	18.01	18.16	17.98	19.00
20	256QAM	1	99	18.02	18.15	18.02	19.00
20	256QAM	50	0	18.11	18.21	18.15	19.00
20	256QAM	50	24	18.10	18.22	18.11	19.00
20	256QAM	50	50	18.14	18.23	18.09	19.00
20	256QAM	100	0	18.17	18.25	18.06	19.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.35	18.42	18.32	19.50
15	QPSK	1	37	17.91	18.02	18.02	19.50
15	QPSK	1	74	18.05	18.14	18.08	19.50
15	QPSK	36	0	18.10	18.11	18.16	19.50
15	QPSK	36	20	18.01	18.16	17.92	19.50
15	QPSK	36	39	18.05	18.09	18.05	19.50
15	QPSK	75	0	18.00	18.13	18.08	19.50
15	16QAM	1	0	18.19	18.13	18.05	19.50
15	16QAM	1	37	17.94	18.11	17.88	19.50
15	16QAM	1	74	18.01	18.27	18.14	19.50
15	16QAM	36	0	18.05	18.20	18.08	19.50
15	16QAM	36	20	18.06	18.15	18.01	19.50
15	16QAM	36	39	18.14	18.27	18.09	19.50
15	16QAM	75	0	18.05	18.19	18.07	19.50
15	64QAM	1	0	18.03	18.16	18.02	19.50
15	64QAM	1	37	18.09	18.12	18.04	19.50
15	64QAM	1	74	17.97	18.13	17.99	19.50
15	64QAM	36	0	18.07	18.12	18.03	19.50
15	64QAM	36	20	18.00	18.08	17.90	19.50
15	64QAM	36	39	17.92	18.10	18.03	19.50
15	64QAM	75	0	17.99	18.14	18.02	19.50
15	256QAM	1	0	18.04	18.05	18.02	19.00
15	256QAM	1	37	17.98	18.09	17.87	19.00
15	256QAM	1	74	18.00	18.13	17.87	19.00
15	256QAM	36	0	18.07	18.13	18.06	19.00
15	256QAM	36	20	17.96	18.19	18.04	19.00
15	256QAM	36	39	18.07	18.10	17.97	19.00
15	256QAM	75	0	18.05	18.13	17.97	19.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.37	18.29	18.28	19.50
10	QPSK	1	25	17.91	18.03	17.99	19.50
10	QPSK	1	49	18.15	18.22	18.05	19.50
10	QPSK	25	0	18.09	18.10	18.15	19.50
10	QPSK	25	12	18.01	18.17	17.93	19.50
10	QPSK	25	25	18.04	18.15	18.04	19.50
10	QPSK	50	0	18.11	18.07	18.09	19.50
10	16QAM	1	0	18.08	18.20	18.05	19.50
10	16QAM	1	25	17.94	18.04	17.87	19.50
10	16QAM	1	49	18.09	18.15	18.10	19.50
10	16QAM	25	0	18.14	18.18	17.95	19.50



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	18.06	18.23	17.99	19.50
10	16QAM	25	25	18.11	18.26	18.17	19.50
10	16QAM	50	0	18.06	18.13	18.11	19.50
10	64QAM	1	0	18.04	18.09	18.00	19.50
10	64QAM	1	25	18.06	18.14	18.05	19.50
10	64QAM	1	49	17.97	18.15	18.07	19.50
10	64QAM	25	0	18.03	18.02	17.93	19.50
10	64QAM	25	12	18.01	18.05	17.97	19.50
10	64QAM	25	25	17.97	18.04	18.00	19.50
10	64QAM	50	0	17.98	18.04	17.98	19.50
10	256QAM	1	0	18.01	18.02	17.98	19.00
10	256QAM	1	25	17.87	18.04	17.84	19.00
10	256QAM	1	49	17.93	18.08	17.94	19.00
10	256QAM	25	0	17.98	18.17	18.12	19.00
10	256QAM	25	12	18.01	18.13	18.03	19.00
10	256QAM	25	25	18.08	18.12	18.08	19.00
10	256QAM	50	0	18.09	18.18	18.01	19.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.28	18.34	18.31	19.50
5	QPSK	1	12	17.93	18.08	17.95	19.50
5	QPSK	1	24	18.05	18.23	18.13	19.50
5	QPSK	12	0	18.17	18.13	18.07	19.50
5	QPSK	12	7	18.11	18.15	17.93	19.50
5	QPSK	12	13	18.01	18.09	18.10	19.50
5	QPSK	25	0	18.05	18.09	18.04	19.50
5	16QAM	1	0	18.19	18.16	18.08	19.50
5	16QAM	1	12	17.96	18.06	17.91	19.50
5	16QAM	1	24	18.12	18.22	18.08	19.50
5	16QAM	12	0	18.07	18.20	18.01	19.50
5	16QAM	12	7	18.08	18.12	18.07	19.50
5	16QAM	12	13	18.16	18.21	18.10	19.50
5	16QAM	25	0	18.11	18.21	18.12	19.50
5	64QAM	1	0	18.12	18.16	18.13	19.50
5	64QAM	1	12	18.02	18.16	18.06	19.50
5	64QAM	1	24	17.99	18.19	17.98	19.50
5	64QAM	12	0	18.08	18.02	18.06	19.50
5	64QAM	12	7	17.99	18.08	17.93	19.50
5	64QAM	12	13	17.94	18.14	18.03	19.50
5	64QAM	25	0	17.95	18.07	18.02	19.50
5	256QAM	1	0	17.99	18.06	17.96	19.00
5	256QAM	1	12	17.88	18.09	17.84	19.00
5	256QAM	1	24	17.88	18.08	17.96	19.00
5	256QAM	12	0	18.06	18.07	18.02	19.00
5	256QAM	12	7	18.00	18.08	18.04	19.00
5	256QAM	12	13	18.07	18.09	17.99	19.00
5	256QAM	25	0	18.14	18.15	18.01	19.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.30	18.40	18.25	19.50
3	QPSK	1	8	17.88	18.07	17.95	19.50
3	QPSK	1	14	18.06	18.25	18.10	19.50
3	QPSK	8	0	18.06	18.23	18.04	19.50
3	QPSK	8	4	18.11	18.09	17.96	19.50
3	QPSK	8	7	18.01	18.06	18.10	19.50
3	QPSK	15	0	18.03	18.10	18.08	19.50
3	16QAM	1	0	18.18	18.17	18.06	19.50
3	16QAM	1	8	17.98	18.13	17.86	19.50
3	16QAM	1	14	18.03	18.26	18.05	19.50
3	16QAM	8	0	18.15	18.12	18.02	19.50
3	16QAM	8	4	18.02	18.14	18.10	19.50
3	16QAM	8	7	18.16	18.22	18.18	19.50
3	16QAM	15	0	18.05	18.23	18.08	19.50
3	64QAM	1	0	18.13	18.20	18.08	19.50
3	64QAM	1	8	18.02	18.13	18.02	19.50
3	64QAM	1	14	18.03	18.09	17.99	19.50
3	64QAM	8	0	18.02	18.10	17.95	19.50
3	64QAM	8	4	18.08	18.10	17.98	19.50
3	64QAM	8	7	17.84	18.01	17.91	19.50
3	64QAM	15	0	18.00	18.10	17.96	19.50
3	256QAM	1	0	18.03	18.12	17.97	19.00
3	256QAM	1	8	17.94	18.01	17.85	19.00
3	256QAM	1	14	17.98	18.05	17.95	19.00
3	256QAM	8	0	17.99	18.19	18.04	19.00
3	256QAM	8	4	18.03	18.18	18.01	19.00
3	256QAM	8	7	18.05	18.09	17.94	19.00
3	256QAM	15	0	18.12	18.21	18.04	19.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	18.30	18.34	18.30	19.50
1.4	QPSK	1	3	17.96	18.07	17.95	19.50
1.4	QPSK	1	5	18.09	18.20	18.07	19.50
1.4	QPSK	3	0	18.07	18.15	18.11	19.50
1.4	QPSK	3	1	18.05	18.07	18.00	19.50
1.4	QPSK	3	3	18.06	18.16	18.04	19.50
1.4	QPSK	6	0	18.04	18.02	18.13	19.50
1.4	16QAM	1	0	18.19	18.17	18.05	19.50
1.4	16QAM	1	3	17.99	18.02	17.88	19.50
1.4	16QAM	1	5	18.07	18.13	18.12	19.50
1.4	16QAM	3	0	18.09	18.22	17.98	19.50
1.4	16QAM	3	1	18.02	18.14	18.00	19.50
1.4	16QAM	3	3	18.21	18.21	18.19	19.50
1.4	16QAM	6	0	18.14	18.10	18.10	19.50
1.4	64QAM	1	0	18.07	18.07	18.03	19.50
1.4	64QAM	1	3	17.98	18.09	18.06	19.50
1.4	64QAM	1	5	18.03	18.14	17.95	19.50
1.4	64QAM	3	0	17.99	18.08	17.94	19.50
1.4	64QAM	3	1	18.02	18.06	17.97	19.50
1.4	64QAM	3	3	17.97	18.07	17.94	19.50
1.4	64QAM	6	0	18.00	18.06	17.98	19.50
1.4	256QAM	1	0	17.99	18.02	18.01	19.00
1.4	256QAM	1	3	17.95	18.07	17.95	19.00
1.4	256QAM	1	5	17.95	18.10	17.93	19.00
1.4	256QAM	3	0	18.09	18.20	18.02	19.00
1.4	256QAM	3	1	18.01	18.08	18.08	19.00
1.4	256QAM	3	3	18.11	18.10	18.01	19.00
1.4	256QAM	6	0	18.11	18.11	17.92	19.00

【LTE Band 4_Ant 3_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.71	15.72	15.65	17.00
20	QPSK	1	49	15.61	15.63	15.54	17.00
20	QPSK	1	99	15.49	15.50	15.50	17.00
20	QPSK	50	0	15.51	15.71	15.64	17.00
20	QPSK	50	24	15.55	15.63	15.56	17.00
20	QPSK	50	50	15.55	15.67	15.63	17.00
20	QPSK	100	0	15.58	15.65	15.52	17.00
20	16QAM	1	0	15.51	15.68	15.51	17.00
20	16QAM	1	49	15.58	15.61	15.51	17.00
20	16QAM	1	99	15.59	15.57	15.49	17.00
20	16QAM	50	0	15.53	15.70	15.56	17.00
20	16QAM	50	24	15.58	15.64	15.55	17.00
20	16QAM	50	50	15.54	15.62	15.55	17.00
20	16QAM	100	0	15.47	15.58	15.54	17.00
20	64QAM	1	0	15.54	15.66	15.58	17.00
20	64QAM	1	49	15.59	15.52	15.52	17.00
20	64QAM	1	99	15.54	15.57	15.55	17.00
20	64QAM	50	0	15.64	15.60	15.52	17.00
20	64QAM	50	24	15.66	15.65	15.60	17.00
20	64QAM	50	50	15.62	15.64	15.55	17.00
20	64QAM	100	0	15.61	15.55	15.52	17.00
20	256QAM	1	0	15.52	15.60	15.58	17.00
20	256QAM	1	49	15.62	15.56	15.45	17.00
20	256QAM	1	99	15.59	15.52	15.54	17.00
20	256QAM	50	0	15.62	15.56	15.60	17.00
20	256QAM	50	24	15.58	15.55	15.54	17.00
20	256QAM	50	50	15.59	15.53	15.63	17.00
20	256QAM	100	0	15.63	15.54	15.56	17.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.67	15.57	15.63	17.00
15	QPSK	1	37	15.53	15.57	15.51	17.00
15	QPSK	1	74	15.46	15.41	15.35	17.00
15	QPSK	36	0	15.44	15.67	15.59	17.00
15	QPSK	36	20	15.48	15.53	15.50	17.00
15	QPSK	36	39	15.49	15.63	15.58	17.00
15	QPSK	75	0	15.53	15.56	15.43	17.00



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	0	15.41	15.55	15.40	17.00
15	16QAM	1	37	15.50	15.55	15.37	17.00
15	16QAM	1	74	15.50	15.55	15.46	17.00
15	16QAM	36	0	15.51	15.58	15.50	17.00
15	16QAM	36	20	15.55	15.59	15.52	17.00
15	16QAM	36	39	15.52	15.49	15.47	17.00
15	16QAM	75	0	15.44	15.55	15.41	17.00
15	64QAM	1	0	15.42	15.61	15.46	17.00
15	64QAM	1	37	15.55	15.43	15.44	17.00
15	64QAM	1	74	15.44	15.53	15.45	17.00
15	64QAM	36	0	15.59	15.57	15.38	17.00
15	64QAM	36	20	15.60	15.60	15.56	17.00
15	64QAM	36	39	15.49	15.49	15.49	17.00
15	64QAM	75	0	15.51	15.52	15.44	17.00
15	256QAM	1	0	15.43	15.58	15.46	17.00
15	256QAM	1	37	15.50	15.43	15.33	17.00
15	256QAM	1	74	15.48	15.47	15.50	17.00
15	256QAM	36	0	15.55	15.53	15.53	17.00
15	256QAM	36	20	15.44	15.53	15.47	17.00
15	256QAM	36	39	15.51	15.51	15.52	17.00
15	256QAM	75	0	15.52	15.45	15.54	17.00
Channel				20000	20175	20350	Tune-up limit
Frequency (MHz)				1715	1732.5	1750	(dBm)
10	QPSK	1	0	15.58	15.70	15.62	17.00
10	QPSK	1	25	15.46	15.53	15.50	17.00
10	QPSK	1	49	15.39	15.41	15.44	17.00
10	QPSK	25	0	15.46	15.63	15.54	17.00
10	QPSK	25	12	15.51	15.61	15.50	17.00
10	QPSK	25	25	15.49	15.65	15.50	17.00
10	QPSK	50	0	15.45	15.51	15.43	17.00
10	16QAM	1	0	15.41	15.63	15.44	17.00
10	16QAM	1	25	15.55	15.58	15.42	17.00
10	16QAM	1	49	15.53	15.52	15.41	17.00
10	16QAM	25	0	15.52	15.57	15.41	17.00
10	16QAM	25	12	15.48	15.49	15.52	17.00
10	16QAM	25	25	15.50	15.49	15.40	17.00
10	16QAM	50	0	15.35	15.52	15.51	17.00
10	64QAM	1	0	15.40	15.64	15.52	17.00
10	64QAM	1	25	15.53	15.42	15.42	17.00
10	64QAM	1	49	15.39	15.44	15.51	17.00
10	64QAM	25	0	15.56	15.52	15.41	17.00
10	64QAM	25	12	15.59	15.57	15.48	17.00
10	64QAM	25	25	15.57	15.55	15.43	17.00
10	64QAM	50	0	15.58	15.47	15.41	17.00
10	256QAM	1	0	15.45	15.59	15.50	17.00
10	256QAM	1	25	15.47	15.53	15.38	17.00
10	256QAM	1	49	15.57	15.43	15.46	17.00
10	256QAM	25	0	15.51	15.51	15.55	17.00
10	256QAM	25	12	15.51	15.50	15.53	17.00
10	256QAM	25	25	15.46	15.41	15.52	17.00
10	256QAM	50	0	15.58	15.39	15.52	17.00
Channel				19975	20175	20375	Tune-up limit
Frequency (MHz)				1712.5	1732.5	1752.5	(dBm)
5	QPSK	1	0	15.60	15.61	15.55	17.00
5	QPSK	1	12	15.49	15.53	15.46	17.00
5	QPSK	1	24	15.45	15.43	15.45	17.00
5	QPSK	12	0	15.45	15.60	15.54	17.00
5	QPSK	12	7	15.46	15.61	15.50	17.00
5	QPSK	12	13	15.45	15.62	15.58	17.00
5	QPSK	25	0	15.54	15.61	15.45	17.00
5	16QAM	1	0	15.37	15.59	15.37	17.00
5	16QAM	1	12	15.52	15.57	15.43	17.00
5	16QAM	1	24	15.57	15.43	15.46	17.00
5	16QAM	12	0	15.42	15.65	15.55	17.00
5	16QAM	12	7	15.48	15.53	15.48	17.00
5	16QAM	12	13	15.50	15.53	15.51	17.00
5	16QAM	25	0	15.36	15.46	15.45	17.00
5	64QAM	1	0	15.41	15.52	15.49	17.00
5	64QAM	1	12	15.55	15.43	15.40	17.00
5	64QAM	1	24	15.39	15.52	15.44	17.00
5	64QAM	12	0	15.54	15.57	15.48	17.00
5	64QAM	12	7	15.58	15.56	15.54	17.00
5	64QAM	12	13	15.55	15.55	15.52	17.00
5	64QAM	25	0	15.47	15.52	15.45	17.00
5	256QAM	1	0	15.43	15.59	15.55	17.00
5	256QAM	1	12	15.52	15.43	15.40	17.00
5	256QAM	1	24	15.52	15.44	15.51	17.00
5	256QAM	12	0	15.50	15.51	15.49	17.00



FCC SAR Test Report

Report No. : FA5N1310

5	256QAM	12	7	15.51	15.42	15.50	17.00
5	256QAM	12	13	15.56	15.38	15.49	17.00
5	256QAM	25	0	15.53	15.51	15.42	17.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.60	15.57	15.62	17.00
3	QPSK	1	8	15.55	15.57	15.45	17.00
3	QPSK	1	14	15.46	15.47	15.39	17.00
3	QPSK	8	0	15.37	15.60	15.53	17.00
3	QPSK	8	4	15.42	15.59	15.46	17.00
3	QPSK	8	7	15.41	15.55	15.55	17.00
3	QPSK	15	0	15.46	15.59	15.43	17.00
3	16QAM	1	0	15.43	15.61	15.37	17.00
3	16QAM	1	8	15.55	15.50	15.42	17.00
3	16QAM	1	14	15.56	15.52	15.42	17.00
3	16QAM	8	0	15.38	15.66	15.52	17.00
3	16QAM	8	4	15.46	15.59	15.41	17.00
3	16QAM	8	7	15.51	15.53	15.43	17.00
3	16QAM	15	0	15.45	15.51	15.46	17.00
3	64QAM	1	0	15.42	15.55	15.46	17.00
3	64QAM	1	8	15.47	15.47	15.41	17.00
3	64QAM	1	14	15.51	15.52	15.46	17.00
3	64QAM	8	0	15.57	15.52	15.42	17.00
3	64QAM	8	4	15.53	15.55	15.48	17.00
3	64QAM	8	7	15.51	15.62	15.54	17.00
3	64QAM	15	0	15.56	15.51	15.40	17.00
3	256QAM	1	0	15.39	15.52	15.53	17.00
3	256QAM	1	8	15.48	15.45	15.33	17.00
3	256QAM	1	14	15.50	15.43	15.42	17.00
3	256QAM	8	0	15.54	15.41	15.51	17.00
3	256QAM	8	4	15.46	15.41	15.51	17.00
3	256QAM	8	7	15.48	15.45	15.53	17.00
3	256QAM	15	0	15.62	15.44	15.43	17.00
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.64	15.69	15.59	17.00
1.4	QPSK	1	3	15.48	15.55	15.47	17.00
1.4	QPSK	1	5	15.46	15.44	15.40	17.00
1.4	QPSK	3	0	15.42	15.67	15.54	17.00
1.4	QPSK	3	1	15.50	15.56	15.49	17.00
1.4	QPSK	3	3	15.45	15.61	15.62	17.00
1.4	QPSK	6	0	15.51	15.52	15.49	17.00
1.4	16QAM	1	0	15.47	15.66	15.36	17.00
1.4	16QAM	1	3	15.44	15.48	15.49	17.00
1.4	16QAM	1	5	15.57	15.54	15.38	17.00
1.4	16QAM	3	0	15.39	15.68	15.53	17.00
1.4	16QAM	3	1	15.48	15.53	15.46	17.00
1.4	16QAM	3	3	15.50	15.58	15.51	17.00
1.4	16QAM	6	0	15.34	15.45	15.43	17.00
1.4	64QAM	1	0	15.52	15.55	15.48	17.00
1.4	64QAM	1	3	15.54	15.43	15.45	17.00
1.4	64QAM	1	5	15.52	15.50	15.43	17.00
1.4	64QAM	3	0	15.54	15.46	15.47	17.00
1.4	64QAM	3	1	15.63	15.51	15.54	17.00
1.4	64QAM	3	3	15.48	15.54	15.53	17.00
1.4	64QAM	6	0	15.54	15.48	15.42	17.00
1.4	256QAM	1	0	15.43	15.48	15.56	17.00
1.4	256QAM	1	3	15.51	15.49	15.35	17.00
1.4	256QAM	1	5	15.44	15.48	15.48	17.00
1.4	256QAM	3	0	15.56	15.52	15.55	17.00
1.4	256QAM	3	1	15.50	15.53	15.43	17.00
1.4	256QAM	3	3	15.51	15.43	15.57	17.00
1.4	256QAM	6	0	15.57	15.51	15.46	17.00

【LTE Band 4_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.59	21.66	21.58	23.00
20	QPSK	1	49	21.39	21.56	21.47	23.00
20	QPSK	1	99	21.26	21.39	21.28	23.00
20	QPSK	50	0	20.60	20.63	20.57	22.00
20	QPSK	50	24	20.41	20.59	20.47	22.00
20	QPSK	50	50	20.28	20.48	20.31	22.00
20	QPSK	100	0	20.52	20.60	20.51	22.00
20	16QAM	1	0	20.41	20.54	20.42	22.00
20	16QAM	1	49	20.36	20.52	20.40	22.00
20	16QAM	1	99	20.39	20.48	20.30	22.00
20	16QAM	50	0	19.44	19.65	19.52	21.00
20	16QAM	50	24	19.45	19.55	19.36	21.00
20	16QAM	50	50	19.44	19.59	19.39	21.00
20	16QAM	100	0	19.34	19.46	19.31	21.00
20	64QAM	1	0	19.34	19.51	19.36	21.00
20	64QAM	1	49	19.37	19.50	19.32	21.00
20	64QAM	1	99	19.55	19.66	19.50	21.00
20	64QAM	50	0	18.34	18.45	18.35	20.00
20	64QAM	50	24	18.37	18.51	18.41	20.00
20	64QAM	50	50	18.38	18.51	18.37	20.00
20	64QAM	100	0	18.55	18.66	18.53	20.00
20	256QAM	1	0	16.47	16.56	16.35	18.00
20	256QAM	1	49	16.48	16.61	16.40	18.00
20	256QAM	1	99	16.47	16.56	16.43	18.00
20	256QAM	50	0	16.33	16.47	16.39	18.00
20	256QAM	50	24	16.40	16.46	16.38	18.00
20	256QAM	50	50	16.39	16.59	16.38	18.00
20	256QAM	100	0	16.56	16.65	16.57	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00
15	16QAM	1	0	20.34	20.43	20.37	22.00
15	16QAM	1	37	20.35	20.51	20.28	22.00
15	16QAM	1	74	20.34	20.38	20.17	22.00
15	16QAM	36	0	19.31	19.51	19.39	21.00
15	16QAM	36	20	19.32	19.42	19.26	21.00
15	16QAM	36	39	19.34	19.46	19.35	21.00
15	16QAM	75	0	19.27	19.35	19.27	21.00
15	64QAM	1	0	19.22	19.39	19.24	21.00
15	64QAM	1	37	19.25	19.45	19.28	21.00
15	64QAM	1	74	19.41	19.62	19.36	21.00
15	64QAM	36	0	18.20	18.43	18.28	20.00
15	64QAM	36	20	18.34	18.40	18.38	20.00
15	64QAM	36	39	18.26	18.42	18.23	20.00
15	64QAM	75	0	18.54	18.60	18.46	20.00
15	256QAM	1	0	16.33	16.43	16.26	18.00
15	256QAM	1	37	16.35	16.55	16.35	18.00
15	256QAM	1	74	16.34	16.53	16.37	18.00
15	256QAM	36	0	16.19	16.34	16.26	18.00
15	256QAM	36	20	16.37	16.33	16.26	18.00
15	256QAM	36	39	16.31	16.56	16.32	18.00
15	256QAM	75	0	16.46	16.61	16.47	18.00
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	21.52	21.62	21.53	23.00
10	QPSK	1	25	21.33	21.46	21.36	23.00
10	QPSK	1	49	21.23	21.33	21.17	23.00
10	QPSK	25	0	20.55	20.49	20.43	22.00
10	QPSK	25	12	20.34	20.51	20.42	22.00
10	QPSK	25	25	20.27	20.35	20.18	22.00
10	QPSK	50	0	20.43	20.58	20.42	22.00
10	16QAM	1	0	20.30	20.45	20.40	22.00
10	16QAM	1	25	20.29	20.42	20.34	22.00
10	16QAM	1	49	20.31	20.34	20.19	22.00
10	16QAM	25	0	19.36	19.52	19.50	21.00



FCC SAR Test Report

Report No. : FA5N1310

10	16QAM	25	12	19.41	19.43	19.22	21.00
10	16QAM	25	25	19.38	19.46	19.32	21.00
10	16QAM	50	0	19.22	19.33	19.27	21.00
10	64QAM	1	0	19.32	19.40	19.32	21.00
10	64QAM	1	25	19.22	19.48	19.28	21.00
10	64QAM	1	49	19.43	19.62	19.36	21.00
10	64QAM	25	0	18.22	18.40	18.27	20.00
10	64QAM	25	12	18.30	18.44	18.29	20.00
10	64QAM	25	25	18.33	18.46	18.23	20.00
10	64QAM	50	0	18.41	18.64	18.42	20.00
10	256QAM	1	0	16.34	16.46	16.22	18.00
10	256QAM	1	25	16.41	16.46	16.35	18.00
10	256QAM	1	49	16.37	16.53	16.34	18.00
10	256QAM	25	0	16.24	16.43	16.33	18.00
10	256QAM	25	12	16.37	16.36	16.34	18.00
10	256QAM	25	25	16.32	16.52	16.30	18.00
10	256QAM	50	0	16.54	16.57	16.51	18.00
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	21.47	21.61	21.52	23.00
5	QPSK	1	12	21.29	21.55	21.36	23.00
5	QPSK	1	24	21.15	21.29	21.22	23.00
5	QPSK	12	0	20.51	20.54	20.53	22.00
5	QPSK	12	7	20.33	20.51	20.41	22.00
5	QPSK	12	13	20.22	20.39	20.24	22.00
5	QPSK	25	0	20.48	20.46	20.41	22.00
5	16QAM	1	0	20.32	20.49	20.35	22.00
5	16QAM	1	12	20.30	20.44	20.33	22.00
5	16QAM	1	24	20.32	20.46	20.16	22.00
5	16QAM	12	0	19.30	19.56	19.43	21.00
5	16QAM	12	7	19.33	19.42	19.30	21.00
5	16QAM	12	13	19.42	19.45	19.34	21.00
5	16QAM	25	0	19.26	19.43	19.27	21.00
5	64QAM	1	0	19.23	19.47	19.26	21.00
5	64QAM	1	12	19.23	19.44	19.29	21.00
5	64QAM	1	24	19.44	19.58	19.40	21.00
5	64QAM	12	0	18.27	18.30	18.31	20.00
5	64QAM	12	7	18.31	18.40	18.40	20.00
5	64QAM	12	13	18.37	18.46	18.34	20.00
5	64QAM	25	0	18.47	18.58	18.48	20.00
5	256QAM	1	0	16.33	16.46	16.29	18.00
5	256QAM	1	12	16.39	16.47	16.38	18.00
5	256QAM	1	24	16.43	16.41	16.41	18.00
5	256QAM	12	0	16.20	16.44	16.34	18.00
5	256QAM	12	7	16.33	16.38	16.36	18.00
5	256QAM	12	13	16.36	16.54	16.30	18.00
5	256QAM	25	0	16.44	16.55	16.49	18.00
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	21.49	21.63	21.46	23.00
3	QPSK	1	8	21.37	21.50	21.45	23.00
3	QPSK	1	14	21.16	21.35	21.20	23.00
3	QPSK	8	0	20.52	20.59	20.49	22.00
3	QPSK	8	4	20.38	20.47	20.34	22.00
3	QPSK	8	7	20.13	20.33	20.27	22.00
3	QPSK	15	0	20.49	20.54	20.38	22.00
3	16QAM	1	0	20.34	20.44	20.28	22.00
3	16QAM	1	8	20.24	20.48	20.30	22.00
3	16QAM	1	14	20.28	20.42	20.17	22.00
3	16QAM	8	0	19.34	19.51	19.41	21.00
3	16QAM	8	4	19.37	19.43	19.28	21.00
3	16QAM	8	7	19.36	19.55	19.30	21.00
3	16QAM	15	0	19.28	19.44	19.25	21.00
3	64QAM	1	0	19.30	19.45	19.24	21.00
3	64QAM	1	8	19.34	19.42	19.27	21.00
3	64QAM	1	14	19.49	19.65	19.43	21.00
3	64QAM	8	0	18.29	18.36	18.25	20.00
3	64QAM	8	4	18.35	18.39	18.29	20.00
3	64QAM	8	7	18.36	18.45	18.32	20.00
3	64QAM	15	0	18.44	18.58	18.38	20.00
3	256QAM	1	0	16.46	16.53	16.21	18.00
3	256QAM	1	8	16.41	16.53	16.38	18.00
3	256QAM	1	14	16.34	16.52	16.34	18.00
3	256QAM	8	0	16.24	16.37	16.35	18.00
3	256QAM	8	4	16.34	16.41	16.25	18.00
3	256QAM	8	7	16.25	16.49	16.32	18.00
3	256QAM	15	0	16.44	16.57	16.50	18.00
Channel				19957	20175	20393	Tune-up limit



Frequency (MHz)				1710.7	1732.5	1754.3	(dBm)
1.4	QPSK	1	0	21.46	21.61	21.56	23.00
1.4	QPSK	1	3	21.31	21.51	21.35	23.00
1.4	QPSK	1	5	21.13	21.31	21.23	23.00
1.4	QPSK	3	0	21.52	21.58	21.47	23.00
1.4	QPSK	3	1	21.34	21.55	21.40	23.00
1.4	QPSK	3	3	21.24	21.36	21.24	23.00
1.4	QPSK	6	0	20.42	20.51	20.46	22.00
1.4	16QAM	1	0	20.28	20.41	20.34	22.00
1.4	16QAM	1	3	20.21	20.39	20.39	22.00
1.4	16QAM	1	5	20.34	20.33	20.23	22.00
1.4	16QAM	3	0	20.42	20.61	20.47	22.00
1.4	16QAM	3	1	20.39	20.52	20.21	22.00
1.4	16QAM	3	3	20.30	20.57	20.29	22.00
1.4	16QAM	6	0	19.30	19.44	19.17	21.00
1.4	64QAM	1	0	19.23	19.46	19.30	21.00
1.4	64QAM	1	3	19.35	19.40	19.20	21.00
1.4	64QAM	1	5	19.46	19.55	19.45	21.00
1.4	64QAM	3	0	19.30	19.33	19.29	21.00
1.4	64QAM	3	1	19.32	19.37	19.28	21.00
1.4	64QAM	3	3	19.25	19.48	19.25	21.00
1.4	64QAM	6	0	18.48	18.55	18.41	20.00
1.4	256QAM	1	0	16.39	16.54	16.32	18.00
1.4	256QAM	1	3	16.44	16.58	16.27	18.00
1.4	256QAM	1	5	16.37	16.50	16.42	18.00
1.4	256QAM	3	0	16.19	16.36	16.34	18.00
1.4	256QAM	3	1	16.27	16.37	16.36	18.00
1.4	256QAM	3	3	16.33	16.51	16.25	18.00
1.4	256QAM	6	0	16.44	16.60	16.52	18.00

【LTE Band 4_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	21.59	21.66	21.58	23.00
20	QPSK	1	49	21.39	21.56	21.47	23.00
20	QPSK	1	99	21.26	21.39	21.28	23.00
20	QPSK	50	0	20.60	20.63	20.57	22.00
20	QPSK	50	24	20.41	20.59	20.47	22.00
20	QPSK	50	50	20.28	20.48	20.31	22.00
20	QPSK	100	0	20.52	20.60	20.51	22.00
20	16QAM	1	0	20.41	20.54	20.42	22.00
20	16QAM	1	49	20.36	20.52	20.40	22.00
20	16QAM	1	99	20.39	20.48	20.30	22.00
20	16QAM	50	0	19.44	19.65	19.52	21.00
20	16QAM	50	24	19.45	19.55	19.36	21.00
20	16QAM	50	50	19.44	19.59	19.39	21.00
20	16QAM	100	0	19.34	19.46	19.31	21.00
20	64QAM	1	0	19.34	19.51	19.36	21.00
20	64QAM	1	49	19.37	19.50	19.32	21.00
20	64QAM	1	99	19.55	19.66	19.50	21.00
20	64QAM	50	0	18.34	18.45	18.35	20.00
20	64QAM	50	24	18.37	18.51	18.41	20.00
20	64QAM	50	50	18.38	18.51	18.37	20.00
20	64QAM	100	0	18.55	18.66	18.53	20.00
20	256QAM	1	0	16.47	16.56	16.35	18.00
20	256QAM	1	49	16.48	16.61	16.40	18.00
20	256QAM	1	99	16.47	16.56	16.43	18.00
20	256QAM	50	0	16.33	16.47	16.39	18.00
20	256QAM	50	24	16.40	16.46	16.38	18.00
20	256QAM	50	50	16.39	16.59	16.38	18.00
20	256QAM	100	0	16.56	16.65	16.57	18.00
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	21.48	21.61	21.53	23.00
15	QPSK	1	37	21.29	21.45	21.39	23.00
15	QPSK	1	74	21.21	21.31	21.25	23.00
15	QPSK	36	0	20.54	20.50	20.45	22.00
15	QPSK	36	20	20.29	20.48	20.40	22.00
15	QPSK	36	39	20.25	20.41	20.19	22.00
15	QPSK	75	0	20.38	20.49	20.50	22.00



FCC SAR Test Report

Report No. : FA5N1310

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