



5	16QAM	12	13	23.29	23.44	23.22	24.00
5	16QAM	25	0	23.24	23.45	23.27	24.00
5	64QAM	1	0	23.24	23.38	23.19	24.00
5	64QAM	1	12	23.30	23.39	23.24	24.00
5	64QAM	1	24	23.20	23.35	23.15	24.00
5	64QAM	12	0	22.41	22.58	22.47	23.00
5	64QAM	12	7	22.45	22.53	22.30	23.00
5	64QAM	12	13	22.43	22.51	22.33	23.00
5	64QAM	25	0	22.33	22.54	22.40	23.00
5	256QAM	1	0	20.35	20.53	20.37	21.00
5	256QAM	1	12	20.33	20.51	20.35	21.00
5	256QAM	1	24	20.27	20.48	20.26	21.00
5	256QAM	12	0	20.31	20.46	20.34	21.00
5	256QAM	12	7	20.24	20.42	20.32	21.00
5	256QAM	12	13	20.21	20.39	20.29	21.00
5	256QAM	25	0	20.24	20.36	20.26	21.00

【LTE Band 13_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		21.72		22.90
10	QPSK	1	25		21.66		22.90
10	QPSK	1	49		21.61		22.90
10	QPSK	25	0		21.65		22.90
10	QPSK	25	12		21.61		22.90
10	QPSK	25	25		21.63		22.90
10	QPSK	50	0		21.55		22.90
10	16QAM	1	0		21.59		22.90
10	16QAM	1	25		21.58		22.90
10	16QAM	1	49		21.51		22.90
10	16QAM	25	0		21.56		22.90
10	16QAM	25	12		21.62		22.90
10	16QAM	25	25		21.63		22.90
10	16QAM	50	0		21.64		22.90
10	64QAM	1	0		21.66		22.90
10	64QAM	1	25		21.58		22.90
10	64QAM	1	49		21.56		22.90
10	64QAM	25	0		21.65		22.90
10	64QAM	25	12		21.68		22.90
10	64QAM	25	25		21.62		22.90
10	64QAM	50	0		21.60		22.90
10	256QAM	1	0		19.85		21.00
10	256QAM	1	25		19.82		21.00
10	256QAM	1	49		19.80		21.00
10	256QAM	25	0		19.77		21.00
10	256QAM	25	12		19.73		21.00
10	256QAM	25	25		19.76		21.00
10	256QAM	50	0		19.74		21.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	21.63	21.68	21.61	22.90
5	QPSK	1	12	21.28	21.48	21.38	22.90
5	QPSK	1	24	21.40	21.46	21.32	22.90
5	QPSK	12	0	21.43	21.54	21.38	22.90
5	QPSK	12	7	21.47	21.62	21.44	22.90
5	QPSK	12	13	21.35	21.54	21.36	22.90
5	QPSK	25	0	21.28	21.46	21.28	22.90
5	16QAM	1	0	21.39	21.59	21.50	22.90
5	16QAM	1	12	21.50	21.56	21.39	22.90
5	16QAM	1	24	21.21	21.35	21.23	22.90
5	16QAM	12	0	21.30	21.44	21.30	22.90
5	16QAM	12	7	21.38	21.55	21.39	22.90
5	16QAM	12	13	21.43	21.50	21.41	22.90
5	16QAM	25	0	21.40	21.48	21.34	22.90
5	64QAM	1	0	21.43	21.55	21.43	22.90
5	64QAM	1	12	21.38	21.46	21.34	22.90
5	64QAM	1	24	21.31	21.42	21.30	22.90



5	64QAM	12	0	21.54	21.61	21.52	22.90
5	64QAM	12	7	21.50	21.59	21.38	22.90
5	64QAM	12	13	21.43	21.56	21.42	22.90
5	64QAM	25	0	21.44	21.52	21.33	22.90
5	256QAM	1	0	19.61	19.79	19.59	21.00
5	256QAM	1	12	19.44	19.62	19.51	21.00
5	256QAM	1	24	19.62	19.80	19.63	21.00
5	256QAM	12	0	19.46	19.61	19.42	21.00
5	256QAM	12	7	19.67	19.74	19.61	21.00
5	256QAM	12	13	19.62	19.75	19.67	21.00
5	256QAM	25	0	19.62	19.77	19.61	21.00

【LTE Band 13_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		21.72		22.90
10	QPSK	1	25		21.51		22.90
10	QPSK	1	49		21.52		22.90
10	QPSK	25	0		21.65		22.90
10	QPSK	25	12		21.50		22.90
10	QPSK	25	25		21.53		22.90
10	QPSK	50	0		21.71		22.90
10	16QAM	1	0		21.69		22.90
10	16QAM	1	25		21.66		22.90
10	16QAM	1	49		21.60		22.90
10	16QAM	25	0		21.50		22.90
10	16QAM	25	12		21.50		22.90
10	16QAM	25	25		21.69		22.90
10	16QAM	50	0		21.54		22.90
10	64QAM	1	0		21.56		22.90
10	64QAM	1	25		21.66		22.90
10	64QAM	1	49		21.67		22.90
10	64QAM	25	0		21.55		22.90
10	64QAM	25	12		21.57		22.90
10	64QAM	25	25		21.66		22.90
10	64QAM	50	0		21.56		22.90
10	256QAM	1	0		19.76		21.00
10	256QAM	1	25		19.74		21.00
10	256QAM	1	49		19.78		21.00
10	256QAM	25	0		19.68		21.00
10	256QAM	25	12		19.73		21.00
10	256QAM	25	25		19.60		21.00
10	256QAM	50	0		19.72		21.00
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	21.70	21.70	21.60	22.90
5	QPSK	1	12	21.30	21.34	21.29	22.90
5	QPSK	1	24	21.42	21.38	21.39	22.90
5	QPSK	12	0	21.67	21.54	21.52	22.90
5	QPSK	12	7	21.39	21.50	21.34	22.90
5	QPSK	12	13	21.49	21.39	21.36	22.90
5	QPSK	25	0	21.73	21.65	21.56	22.90
5	16QAM	1	0	21.64	21.64	21.53	22.90
5	16QAM	1	12	21.49	21.64	21.67	22.90
5	16QAM	1	24	21.50	21.47	21.57	22.90
5	16QAM	12	0	21.28	21.35	21.51	22.90
5	16QAM	12	7	21.29	21.35	21.47	22.90
5	16QAM	12	13	21.59	21.49	21.65	22.90
5	16QAM	25	0	21.44	21.43	21.48	22.90
5	64QAM	1	0	21.42	21.42	21.56	22.90
5	64QAM	1	12	21.49	21.45	21.58	22.90
5	64QAM	1	24	21.46	21.59	21.45	22.90
5	64QAM	12	0	21.48	21.42	21.50	22.90
5	64QAM	12	7	21.37	21.41	21.48	22.90
5	64QAM	12	13	21.67	21.66	21.60	22.90
5	64QAM	25	0	21.41	21.54	21.40	22.90
5	256QAM	1	0	19.57	19.70	19.63	21.00



5	256QAM	1	12	19.53	19.70	19.76	21.00
5	256QAM	1	24	19.64	19.75	19.65	21.00
5	256QAM	12	0	19.70	19.66	19.59	21.00
5	256QAM	12	7	19.66	19.56	19.74	21.00
5	256QAM	12	13	19.57	19.51	19.52	21.00
5	256QAM	25	0	19.66	19.69	19.70	21.00

【LTE Band 13_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.58		24.00
10	QPSK	1	25		23.55		24.00
10	QPSK	1	49		23.48		24.00
10	QPSK	25	0		23.53		24.00
10	QPSK	25	12		23.49		24.00
10	QPSK	25	25		23.50		24.00
10	QPSK	50	0		23.48		24.00
10	16QAM	1	0		23.41		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.48		24.00
10	16QAM	25	0		23.34		24.00
10	16QAM	25	12		23.41		24.00
10	16QAM	25	25		23.35		24.00
10	16QAM	50	0		23.33		24.00
10	64QAM	1	0		23.43		24.00
10	64QAM	1	25		23.44		24.00
10	64QAM	1	49		23.38		24.00
10	64QAM	25	0		22.28		23.00
10	64QAM	25	12		22.48		23.00
10	64QAM	25	25		22.27		23.00
10	64QAM	50	0		22.36		23.00
10	256QAM	1	0		20.60		21.00
10	256QAM	1	25		20.42		21.00
10	256QAM	1	49		20.25		21.00
10	256QAM	25	0		20.20		21.00
10	256QAM	25	12		20.35		21.00
10	256QAM	25	25		20.31		21.00
10	256QAM	50	0		20.31		21.00
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.48	23.55	23.46	24.00
5	QPSK	1	12	23.42	23.51	23.39	24.00
5	QPSK	1	24	23.39	23.48	23.31	24.00
5	QPSK	12	0	23.32	23.46	23.30	24.00
5	QPSK	12	7	23.32	23.41	23.28	24.00
5	QPSK	12	13	23.23	23.43	23.29	24.00
5	QPSK	25	0	23.23	23.44	23.20	24.00
5	16QAM	1	0	23.39	23.49	23.34	24.00
5	16QAM	1	12	23.20	23.42	23.32	24.00
5	16QAM	1	24	23.33	23.45	23.24	24.00
5	16QAM	12	0	23.27	23.48	23.27	24.00
5	16QAM	12	7	23.20	23.41	23.31	24.00
5	16QAM	12	13	23.29	23.44	23.22	24.00
5	16QAM	25	0	23.24	23.45	23.27	24.00
5	64QAM	1	0	23.24	23.38	23.19	24.00
5	64QAM	1	12	23.30	23.39	23.24	24.00
5	64QAM	1	24	23.20	23.35	23.15	24.00
5	64QAM	12	0	22.41	22.58	22.47	23.00
5	64QAM	12	7	22.45	22.53	22.30	23.00
5	64QAM	12	13	22.43	22.51	22.33	23.00
5	64QAM	25	0	22.33	22.54	22.40	23.00
5	256QAM	1	0	20.35	20.53	20.37	21.00
5	256QAM	1	12	20.33	20.51	20.35	21.00
5	256QAM	1	24	20.27	20.48	20.26	21.00
5	256QAM	12	0	20.31	20.46	20.34	21.00
5	256QAM	12	7	20.24	20.42	20.32	21.00
5	256QAM	12	13	20.21	20.39	20.29	21.00
5	256QAM	25	0	20.24	20.36	20.26	21.00

【LTE Band 13_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		23.58		24.00
10	QPSK	1	25		23.55		24.00
10	QPSK	1	49		23.48		24.00
10	QPSK	25	0		23.53		24.00
10	QPSK	25	12		23.49		24.00
10	QPSK	25	25		23.50		24.00
10	QPSK	50	0		23.48		24.00
10	16QAM	1	0		23.41		24.00
10	16QAM	1	25		23.45		24.00
10	16QAM	1	49		23.48		24.00
10	16QAM	25	0		23.34		24.00
10	16QAM	25	12		23.41		24.00
10	16QAM	25	25		23.35		24.00
10	16QAM	50	0		23.33		24.00
10	64QAM	1	0		23.43		24.00
10	64QAM	1	25		23.44		24.00
10	64QAM	1	49		23.38		24.00
10	64QAM	25	0		22.28		23.00
10	64QAM	25	12		22.48		23.00
10	64QAM	25	25		22.27		23.00
10	64QAM	50	0		22.36		23.00
10	256QAM	1	0		20.60		21.00
10	256QAM	1	25		20.42		21.00
10	256QAM	1	49		20.25		21.00
10	256QAM	25	0		20.20		21.00
10	256QAM	25	12		20.35		21.00
10	256QAM	25	25		20.31		21.00
10	256QAM	50	0		20.31		21.00
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.48	23.55	23.46	24.00
5	QPSK	1	12	23.42	23.51	23.39	24.00
5	QPSK	1	24	23.39	23.48	23.31	24.00
5	QPSK	12	0	23.32	23.46	23.30	24.00
5	QPSK	12	7	23.32	23.41	23.28	24.00
5	QPSK	12	13	23.23	23.43	23.29	24.00
5	QPSK	25	0	23.23	23.44	23.20	24.00
5	16QAM	1	0	23.39	23.49	23.34	24.00
5	16QAM	1	12	23.20	23.42	23.32	24.00
5	16QAM	1	24	23.33	23.45	23.24	24.00
5	16QAM	12	0	23.27	23.48	23.27	24.00
5	16QAM	12	7	23.20	23.41	23.31	24.00
5	16QAM	12	13	23.29	23.44	23.22	24.00
5	16QAM	25	0	23.24	23.45	23.27	24.00
5	64QAM	1	0	23.24	23.38	23.19	24.00
5	64QAM	1	12	23.30	23.39	23.24	24.00
5	64QAM	1	24	23.20	23.35	23.15	24.00
5	64QAM	12	0	22.41	22.58	22.47	23.00
5	64QAM	12	7	22.45	22.53	22.30	23.00
5	64QAM	12	13	22.43	22.51	22.33	23.00
5	64QAM	25	0	22.33	22.54	22.40	23.00
5	256QAM	1	0	20.35	20.53	20.37	21.00
5	256QAM	1	12	20.33	20.51	20.35	21.00
5	256QAM	1	24	20.27	20.48	20.26	21.00
5	256QAM	12	0	20.31	20.46	20.34	21.00
5	256QAM	12	7	20.24	20.42	20.32	21.00
5	256QAM	12	13	20.21	20.39	20.29	21.00
5	256QAM	25	0	20.24	20.36	20.26	21.00



【LTE Band 13_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					23230		
Frequency (MHz)					782		
10	QPSK	1	0		19.25		20.40
10	QPSK	1	25		19.01		20.40
10	QPSK	1	49		18.91		20.40
10	QPSK	25	0		19.15		20.40
10	QPSK	25	12		18.91		20.40
10	QPSK	25	25		19.01		20.40
10	QPSK	50	0		18.91		20.40
10	16QAM	1	0		18.96		20.40
10	16QAM	1	25		18.96		20.40
10	16QAM	1	49		19.04		20.40
10	16QAM	25	0		19.09		20.40
10	16QAM	25	12		18.92		20.40
10	16QAM	25	25		18.88		20.40
10	16QAM	50	0		18.90		20.40
10	64QAM	1	0		18.92		20.40
10	64QAM	1	25		18.89		20.40
10	64QAM	1	49		19.10		20.40
10	64QAM	25	0		18.95		20.40
10	64QAM	25	12		19.08		20.40
10	64QAM	25	25		19.07		20.40
10	64QAM	50	0		18.93		20.40
10	256QAM	1	0		19.05		20.40
10	256QAM	1	25		18.88		20.40
10	256QAM	1	49		19.01		20.40
10	256QAM	25	0		18.91		20.40
10	256QAM	25	12		19.07		20.40
10	256QAM	25	25		18.91		20.40
10	256QAM	50	0		19.01		20.40
Channel				23205	23230	23255	Tune-up limit
Frequency (MHz)				779.5	782	784.5	(dBm)
5	QPSK	1	0	18.73	18.88	18.88	20.40
5	QPSK	1	12	18.72	18.80	18.81	20.40
5	QPSK	1	24	18.89	18.84	18.92	20.40
5	QPSK	12	0	18.82	18.82	18.82	20.40
5	QPSK	12	7	18.71	18.88	18.69	20.40
5	QPSK	12	13	18.86	18.84	18.83	20.40
5	QPSK	25	0	18.82	18.74	18.72	20.40
5	16QAM	1	0	18.81	18.73	18.90	20.40
5	16QAM	1	12	18.77	18.72	18.81	20.40
5	16QAM	1	24	18.88	18.79	18.87	20.40
5	16QAM	12	0	18.77	18.84	18.78	20.40
5	16QAM	12	7	18.83	18.89	18.86	20.40
5	16QAM	12	13	18.90	18.78	18.76	20.40
5	16QAM	25	0	18.82	18.70	18.91	20.40
5	64QAM	1	0	18.91	18.91	18.89	20.40
5	64QAM	1	12	18.83	18.77	18.84	20.40
5	64QAM	1	24	18.92	18.90	18.85	20.40
5	64QAM	12	0	18.73	18.72	18.86	20.40
5	64QAM	12	7	18.71	18.69	18.92	20.40
5	64QAM	12	13	18.71	18.83	18.71	20.40
5	64QAM	25	0	18.76	18.85	18.82	20.40
5	256QAM	1	0	18.79	18.89	18.77	20.40
5	256QAM	1	12	18.73	18.88	18.88	20.40
5	256QAM	1	24	18.72	18.80	18.81	20.40
5	256QAM	12	0	18.89	18.84	18.92	20.40
5	256QAM	12	7	18.82	18.82	18.82	20.40
5	256QAM	12	13	18.71	18.88	18.69	20.40
5	256QAM	25	0	18.86	18.84	18.83	20.40

**【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00

**【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00



【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00

**【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00

**【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00



【LTE Band 17_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				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.62	23.79	23.61	24.00
10	QPSK	1	25	23.46	23.65	23.53	24.00
10	QPSK	1	49	23.48	23.67	23.53	24.00
10	QPSK	25	0	23.60	23.75	23.50	24.00
10	QPSK	25	12	23.58	23.66	23.48	24.00
10	QPSK	25	25	23.55	23.73	23.54	24.00
10	QPSK	50	0	23.50	23.72	23.56	24.00
10	16QAM	1	0	23.53	23.71	23.55	24.00
10	16QAM	1	25	23.54	23.75	23.65	24.00
10	16QAM	1	49	23.66	23.78	23.66	24.00
10	16QAM	25	0	23.19	23.39	23.26	24.00
10	16QAM	25	12	23.27	23.45	23.32	24.00
10	16QAM	25	25	23.27	23.40	23.21	24.00
10	16QAM	50	0	23.21	23.38	23.25	24.00
10	64QAM	1	0	23.40	23.49	23.28	24.00
10	64QAM	1	25	23.49	23.59	23.36	24.00
10	64QAM	1	49	23.27	23.46	23.37	24.00
10	64QAM	25	0	22.18	22.39	22.24	23.00
10	64QAM	25	12	22.30	22.45	22.26	23.00
10	64QAM	25	25	22.35	22.43	22.30	23.00
10	64QAM	50	0	22.23	22.42	22.24	23.00
10	256QAM	1	0	20.28	20.37	20.19	21.00
10	256QAM	1	25	20.31	20.44	20.24	21.00
10	256QAM	1	49	20.34	20.42	20.31	21.00
10	256QAM	25	0	20.20	20.37	20.20	21.00
10	256QAM	25	12	20.17	20.35	20.20	21.00
10	256QAM	25	25	20.25	20.37	20.20	21.00
10	256QAM	50	0	20.25	20.32	20.12	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.59	23.54	23.47	24.00
5	QPSK	1	12	23.34	23.58	23.51	24.00
5	QPSK	1	24	23.34	23.55	23.43	24.00
5	QPSK	12	0	23.47	23.67	23.48	24.00
5	QPSK	12	7	23.56	23.56	23.45	24.00
5	QPSK	12	13	23.43	23.60	23.52	24.00
5	QPSK	25	0	23.42	23.60	23.47	24.00
5	16QAM	1	0	23.42	23.67	23.53	24.00
5	16QAM	1	12	23.51	23.65	23.58	24.00
5	16QAM	1	24	23.65	23.69	23.57	24.00
5	16QAM	12	0	23.18	23.26	23.24	24.00
5	16QAM	12	7	23.24	23.39	23.22	24.00
5	16QAM	12	13	23.25	23.25	23.19	24.00
5	16QAM	25	0	23.07	23.31	23.13	24.00
5	64QAM	1	0	23.29	23.41	23.13	24.00
5	64QAM	1	12	23.46	23.54	23.35	24.00
5	64QAM	1	24	23.12	23.41	23.30	24.00
5	64QAM	12	0	22.16	22.36	22.17	23.00
5	64QAM	12	7	22.29	22.39	22.13	23.00
5	64QAM	12	13	22.21	22.34	22.17	23.00
5	64QAM	25	0	22.12	22.29	22.13	23.00
5	256QAM	1	0	20.15	20.28	20.16	21.00
5	256QAM	1	12	20.20	20.39	20.13	21.00
5	256QAM	1	24	20.27	20.40	20.21	21.00
5	256QAM	12	0	20.07	20.33	20.12	21.00
5	256QAM	12	7	20.13	20.32	20.06	21.00
5	256QAM	12	13	20.13	20.34	20.11	21.00
5	256QAM	25	0	20.11	20.23	20.05	21.00



【LTE Band 17_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.45	23.53	23.50	24.00
10	QPSK	1	25	23.08	23.25	23.10	24.00
10	QPSK	1	49	23.21	23.35	23.26	24.00
10	QPSK	25	0	23.29	23.44	23.34	24.00
10	QPSK	25	12	23.26	23.42	23.32	24.00
10	QPSK	25	25	23.27	23.41	23.37	24.00
10	QPSK	50	0	23.21	23.41	23.31	24.00
10	16QAM	1	0	23.36	23.48	23.44	24.00
10	16QAM	1	25	23.26	23.41	23.28	24.00
10	16QAM	1	49	23.21	23.41	23.25	24.00
10	16QAM	25	0	22.99	23.18	23.00	24.00
10	16QAM	25	12	22.90	23.10	22.93	24.00
10	16QAM	25	25	23.03	23.21	23.13	24.00
10	16QAM	50	0	23.03	23.15	23.01	24.00
10	64QAM	1	0	23.16	23.26	23.09	24.00
10	64QAM	1	25	23.12	23.33	23.24	24.00
10	64QAM	1	49	23.09	23.25	23.16	24.00
10	64QAM	25	0	21.98	22.16	22.11	23.00
10	64QAM	25	12	22.12	22.21	22.08	23.00
10	64QAM	25	25	22.02	22.13	21.97	23.00
10	64QAM	50	0	21.97	22.16	21.98	23.00
10	256QAM	1	0	20.09	20.27	20.23	21.00
10	256QAM	1	25	20.09	20.22	20.05	21.00
10	256QAM	1	49	20.00	20.14	20.03	21.00
10	256QAM	25	0	19.98	20.11	20.07	21.00
10	256QAM	25	12	19.91	20.08	20.01	21.00
10	256QAM	25	25	19.93	20.14	20.10	21.00
10	256QAM	50	0	19.99	20.12	19.99	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.41	23.51	23.48	24.00
5	QPSK	1	12	22.93	23.14	23.08	24.00
5	QPSK	1	24	23.08	23.27	23.17	24.00
5	QPSK	12	0	23.22	23.35	23.22	24.00
5	QPSK	12	7	23.20	23.31	23.21	24.00
5	QPSK	12	13	23.20	23.35	23.30	24.00
5	QPSK	25	0	23.07	23.30	23.22	24.00
5	16QAM	1	0	23.34	23.37	23.34	24.00
5	16QAM	1	12	23.18	23.38	23.13	24.00
5	16QAM	1	24	23.09	23.37	23.16	24.00
5	16QAM	12	0	22.84	23.06	22.93	24.00
5	16QAM	12	7	22.86	22.96	22.89	24.00
5	16QAM	12	13	22.92	23.08	23.04	24.00
5	16QAM	25	0	22.91	23.02	22.95	24.00
5	64QAM	1	0	23.09	23.16	23.00	24.00
5	64QAM	1	12	23.04	23.30	23.13	24.00
5	64QAM	1	24	22.98	23.15	23.11	24.00
5	64QAM	12	0	21.88	22.08	22.03	23.00
5	64QAM	12	7	22.02	22.17	21.97	23.00
5	64QAM	12	13	21.98	22.09	21.87	23.00
5	64QAM	25	0	21.90	22.09	21.96	23.00
5	256QAM	1	0	19.97	20.22	20.13	21.00
5	256QAM	1	12	20.06	20.12	19.90	21.00
5	256QAM	1	24	19.90	20.01	19.93	21.00
5	256QAM	12	0	19.86	19.96	19.99	21.00
5	256QAM	12	7	19.78	19.94	19.95	21.00
5	256QAM	12	13	19.79	20.12	19.97	21.00
5	256QAM	25	0	19.91	20.08	19.88	21.00



【LTE Band 17_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.72	22.80	22.74	24.00
10	QPSK	1	25	22.63	22.62	22.48	24.00
10	QPSK	1	49	22.56	22.69	22.45	24.00
10	QPSK	25	0	22.45	22.79	22.44	24.00
10	QPSK	25	12	22.40	22.68	22.55	24.00
10	QPSK	25	25	22.34	22.62	22.48	24.00
10	QPSK	50	0	22.50	22.55	22.61	24.00
10	16QAM	1	0	22.54	22.66	22.50	24.00
10	16QAM	1	25	22.45	22.68	22.59	24.00
10	16QAM	1	49	22.46	22.72	22.54	24.00
10	16QAM	25	0	22.51	22.67	22.47	24.00
10	16QAM	25	12	22.35	22.57	22.36	24.00
10	16QAM	25	25	22.42	22.60	22.50	24.00
10	16QAM	50	0	22.34	22.63	22.54	24.00
10	64QAM	1	0	22.48	22.67	22.70	24.00
10	64QAM	1	25	22.56	22.71	22.64	24.00
10	64QAM	1	49	22.62	22.70	22.47	24.00
10	64QAM	25	0	21.52	21.88	21.60	23.00
10	64QAM	25	12	21.74	21.87	21.68	23.00
10	64QAM	25	25	21.62	21.82	21.64	23.00
10	64QAM	50	0	21.48	21.86	21.58	23.00
10	256QAM	1	0	19.67	19.89	19.66	21.00
10	256QAM	1	25	19.74	19.80	19.62	21.00
10	256QAM	1	49	19.68	19.83	19.54	21.00
10	256QAM	25	0	19.56	19.86	19.63	21.00
10	256QAM	25	12	19.61	19.56	19.49	21.00
10	256QAM	25	25	19.48	19.73	19.63	21.00
10	256QAM	50	0	19.60	19.54	19.62	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.65	22.71	22.71	24.00
5	QPSK	1	12	22.58	22.53	22.44	24.00
5	QPSK	1	24	22.44	22.58	22.41	24.00
5	QPSK	12	0	22.33	22.67	22.41	24.00
5	QPSK	12	7	22.30	22.64	22.41	24.00
5	QPSK	12	13	22.28	22.56	22.46	24.00
5	QPSK	25	0	22.47	22.53	22.57	24.00
5	16QAM	1	0	22.45	22.54	22.44	24.00
5	16QAM	1	12	22.31	22.58	22.56	24.00
5	16QAM	1	24	22.38	22.67	22.51	24.00
5	16QAM	12	0	22.49	22.61	22.40	24.00
5	16QAM	12	7	22.22	22.46	22.31	24.00
5	16QAM	12	13	22.29	22.55	22.48	24.00
5	16QAM	25	0	22.32	22.55	22.48	24.00
5	64QAM	1	0	22.34	22.52	22.60	24.00
5	64QAM	1	12	22.54	22.63	22.50	24.00
5	64QAM	1	24	22.60	22.63	22.40	24.00
5	64QAM	12	0	21.43	21.79	21.52	23.00
5	64QAM	12	7	21.69	21.80	21.60	23.00
5	64QAM	12	13	21.57	21.74	21.60	23.00
5	64QAM	25	0	21.35	21.83	21.53	23.00
5	256QAM	1	0	19.59	19.85	19.52	21.00
5	256QAM	1	12	19.60	19.77	19.59	21.00
5	256QAM	1	24	19.66	19.69	19.41	21.00
5	256QAM	12	0	19.47	19.76	19.55	21.00
5	256QAM	12	7	19.50	19.49	19.36	21.00
5	256QAM	12	13	19.36	19.68	19.48	21.00
5	256QAM	25	0	19.53	19.48	19.56	21.00



【LTE Band 17_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.46	22.76	22.34	23.80
10	QPSK	1	25	22.37	22.28	22.36	23.80
10	QPSK	1	49	22.25	22.31	22.57	23.80
10	QPSK	25	0	22.40	22.73	22.42	23.80
10	QPSK	25	12	22.34	22.71	22.63	23.80
10	QPSK	25	25	22.40	22.29	22.54	23.80
10	QPSK	50	0	22.39	22.09	22.32	23.80
10	16QAM	1	0	22.52	22.59	22.36	23.80
10	16QAM	1	25	22.35	22.47	22.33	23.80
10	16QAM	1	49	22.42	22.42	22.56	23.80
10	16QAM	25	0	22.33	22.61	22.22	23.80
10	16QAM	25	12	22.24	22.35	22.55	23.80
10	16QAM	25	25	22.62	22.53	22.33	23.80
10	16QAM	50	0	22.54	22.48	22.43	23.80
10	64QAM	1	0	22.34	22.53	22.31	23.80
10	64QAM	1	25	22.39	22.61	22.57	23.80
10	64QAM	1	49	22.45	22.33	22.45	23.80
10	64QAM	25	0	21.70	21.77	21.34	23.00
10	64QAM	25	12	21.52	21.80	21.61	23.00
10	64QAM	25	25	21.57	21.28	21.62	23.00
10	64QAM	50	0	21.79	21.80	21.63	23.00
10	256QAM	1	0	19.77	19.87	19.60	21.00
10	256QAM	1	25	19.64	19.56	19.55	21.00
10	256QAM	1	49	19.46	19.67	19.59	21.00
10	256QAM	25	0	19.63	19.68	19.74	21.00
10	256QAM	25	12	19.70	19.76	19.55	21.00
10	256QAM	25	25	19.63	19.33	19.69	21.00
10	256QAM	50	0	19.40	19.61	19.69	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.34	22.64	22.26	23.80
5	QPSK	1	12	22.28	22.21	22.31	23.80
5	QPSK	1	24	22.19	22.19	22.54	23.80
5	QPSK	12	0	22.32	22.70	22.39	23.80
5	QPSK	12	7	22.28	22.67	22.54	23.80
5	QPSK	12	13	22.28	22.20	22.50	23.80
5	QPSK	25	0	22.34	22.03	22.27	23.80
5	16QAM	1	0	22.42	22.52	22.30	23.80
5	16QAM	1	12	22.24	22.44	22.22	23.80
5	16QAM	1	24	22.34	22.31	22.55	23.80
5	16QAM	12	0	22.32	22.49	22.20	23.80
5	16QAM	12	7	22.21	22.26	22.50	23.80
5	16QAM	12	13	22.58	22.39	22.30	23.80
5	16QAM	25	0	22.40	22.35	22.40	23.80
5	64QAM	1	0	22.25	22.45	22.29	23.80
5	64QAM	1	12	22.33	22.48	22.54	23.80
5	64QAM	1	24	22.38	22.28	22.31	23.80
5	64QAM	12	0	21.59	21.70	21.22	23.00
5	64QAM	12	7	21.49	21.70	21.57	23.00
5	64QAM	12	13	21.52	21.15	21.53	23.00
5	64QAM	25	0	21.72	21.70	21.55	23.00
5	256QAM	1	0	19.64	19.77	19.58	21.00
5	256QAM	1	12	19.60	19.49	19.43	21.00
5	256QAM	1	24	19.34	19.54	19.52	21.00
5	256QAM	12	0	19.53	19.56	19.59	21.00
5	256QAM	12	7	19.58	19.66	19.45	21.00
5	256QAM	12	13	19.51	19.21	19.65	21.00
5	256QAM	25	0	19.36	19.47	19.60	21.00



【LTE Band 17_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.45	23.53	23.50	24.00
10	QPSK	1	25	23.08	23.25	23.10	24.00
10	QPSK	1	49	23.21	23.35	23.26	24.00
10	QPSK	25	0	23.29	23.44	23.34	24.00
10	QPSK	25	12	23.26	23.42	23.32	24.00
10	QPSK	25	25	23.27	23.41	23.37	24.00
10	QPSK	50	0	23.21	23.41	23.31	24.00
10	16QAM	1	0	23.36	23.48	23.44	24.00
10	16QAM	1	25	23.26	23.41	23.28	24.00
10	16QAM	1	49	23.21	23.41	23.25	24.00
10	16QAM	25	0	22.99	23.18	23.00	24.00
10	16QAM	25	12	22.90	23.10	22.93	24.00
10	16QAM	25	25	23.03	23.21	23.13	24.00
10	16QAM	50	0	23.03	23.15	23.01	24.00
10	64QAM	1	0	23.16	23.26	23.09	24.00
10	64QAM	1	25	23.12	23.33	23.24	24.00
10	64QAM	1	49	23.09	23.25	23.16	24.00
10	64QAM	25	0	21.98	22.16	22.11	23.00
10	64QAM	25	12	22.12	22.21	22.08	23.00
10	64QAM	25	25	22.02	22.13	21.97	23.00
10	64QAM	50	0	21.97	22.16	21.98	23.00
10	256QAM	1	0	20.09	20.27	20.23	21.00
10	256QAM	1	25	20.09	20.22	20.05	21.00
10	256QAM	1	49	20.00	20.14	20.03	21.00
10	256QAM	25	0	19.98	20.11	20.07	21.00
10	256QAM	25	12	19.91	20.08	20.01	21.00
10	256QAM	25	25	19.93	20.14	20.10	21.00
10	256QAM	50	0	19.99	20.12	19.99	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.41	23.51	23.48	24.00
5	QPSK	1	12	22.93	23.14	23.08	24.00
5	QPSK	1	24	23.08	23.27	23.17	24.00
5	QPSK	12	0	23.22	23.35	23.22	24.00
5	QPSK	12	7	23.20	23.31	23.21	24.00
5	QPSK	12	13	23.20	23.35	23.30	24.00
5	QPSK	25	0	23.07	23.30	23.22	24.00
5	16QAM	1	0	23.34	23.37	23.34	24.00
5	16QAM	1	12	23.18	23.38	23.13	24.00
5	16QAM	1	24	23.09	23.37	23.16	24.00
5	16QAM	12	0	22.84	23.06	22.93	24.00
5	16QAM	12	7	22.86	22.96	22.89	24.00
5	16QAM	12	13	22.92	23.08	23.04	24.00
5	16QAM	25	0	22.91	23.02	22.95	24.00
5	64QAM	1	0	23.09	23.16	23.00	24.00
5	64QAM	1	12	23.04	23.30	23.13	24.00
5	64QAM	1	24	22.98	23.15	23.11	24.00
5	64QAM	12	0	21.88	22.08	22.03	23.00
5	64QAM	12	7	22.02	22.17	21.97	23.00
5	64QAM	12	13	21.98	22.09	21.87	23.00
5	64QAM	25	0	21.90	22.09	21.96	23.00
5	256QAM	1	0	19.97	20.22	20.13	21.00
5	256QAM	1	12	20.06	20.12	19.90	21.00
5	256QAM	1	24	19.90	20.01	19.93	21.00
5	256QAM	12	0	19.86	19.96	19.99	21.00
5	256QAM	12	7	19.78	19.94	19.95	21.00
5	256QAM	12	13	19.79	20.12	19.97	21.00
5	256QAM	25	0	19.91	20.08	19.88	21.00



【LTE Band 17_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.45	23.53	23.50	24.00
10	QPSK	1	25	23.08	23.25	23.10	24.00
10	QPSK	1	49	23.21	23.35	23.26	24.00
10	QPSK	25	0	23.29	23.44	23.34	24.00
10	QPSK	25	12	23.26	23.42	23.32	24.00
10	QPSK	25	25	23.27	23.41	23.37	24.00
10	QPSK	50	0	23.21	23.41	23.31	24.00
10	16QAM	1	0	23.36	23.48	23.44	24.00
10	16QAM	1	25	23.26	23.41	23.28	24.00
10	16QAM	1	49	23.21	23.41	23.25	24.00
10	16QAM	25	0	22.99	23.18	23.00	24.00
10	16QAM	25	12	22.90	23.10	22.93	24.00
10	16QAM	25	25	23.03	23.21	23.13	24.00
10	16QAM	50	0	23.03	23.15	23.01	24.00
10	64QAM	1	0	23.16	23.26	23.09	24.00
10	64QAM	1	25	23.12	23.33	23.24	24.00
10	64QAM	1	49	23.09	23.25	23.16	24.00
10	64QAM	25	0	21.98	22.16	22.11	23.00
10	64QAM	25	12	22.12	22.21	22.08	23.00
10	64QAM	25	25	22.02	22.13	21.97	23.00
10	64QAM	50	0	21.97	22.16	21.98	23.00
10	256QAM	1	0	20.09	20.27	20.23	21.00
10	256QAM	1	25	20.09	20.22	20.05	21.00
10	256QAM	1	49	20.00	20.14	20.03	21.00
10	256QAM	25	0	19.98	20.11	20.07	21.00
10	256QAM	25	12	19.91	20.08	20.01	21.00
10	256QAM	25	25	19.93	20.14	20.10	21.00
10	256QAM	50	0	19.99	20.12	19.99	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.41	23.51	23.48	24.00
5	QPSK	1	12	22.93	23.14	23.08	24.00
5	QPSK	1	24	23.08	23.27	23.17	24.00
5	QPSK	12	0	23.22	23.35	23.22	24.00
5	QPSK	12	7	23.20	23.31	23.21	24.00
5	QPSK	12	13	23.20	23.35	23.30	24.00
5	QPSK	25	0	23.07	23.30	23.22	24.00
5	16QAM	1	0	23.34	23.37	23.34	24.00
5	16QAM	1	12	23.18	23.38	23.13	24.00
5	16QAM	1	24	23.09	23.37	23.16	24.00
5	16QAM	12	0	22.84	23.06	22.93	24.00
5	16QAM	12	7	22.86	22.96	22.89	24.00
5	16QAM	12	13	22.92	23.08	23.04	24.00
5	16QAM	25	0	22.91	23.02	22.95	24.00
5	64QAM	1	0	23.09	23.16	23.00	24.00
5	64QAM	1	12	23.04	23.30	23.13	24.00
5	64QAM	1	24	22.98	23.15	23.11	24.00
5	64QAM	12	0	21.88	22.08	22.03	23.00
5	64QAM	12	7	22.02	22.17	21.97	23.00
5	64QAM	12	13	21.98	22.09	21.87	23.00
5	64QAM	25	0	21.90	22.09	21.96	23.00
5	256QAM	1	0	19.97	20.22	20.13	21.00
5	256QAM	1	12	20.06	20.12	19.90	21.00
5	256QAM	1	24	19.90	20.01	19.93	21.00
5	256QAM	12	0	19.86	19.96	19.99	21.00
5	256QAM	12	7	19.78	19.94	19.95	21.00
5	256QAM	12	13	19.79	20.12	19.97	21.00
5	256QAM	25	0	19.91	20.08	19.88	21.00



【LTE Band 17_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	
10	QPSK	1	0	20.54	20.68	20.61	22.00
10	QPSK	1	25	20.15	20.31	20.23	22.00
10	QPSK	1	49	20.21	20.44	20.36	22.00
10	QPSK	25	0	20.51	20.64	20.61	22.00
10	QPSK	25	12	20.13	20.32	20.47	22.00
10	QPSK	25	25	20.43	20.37	20.35	22.00
10	QPSK	50	0	20.17	20.30	20.32	22.00
10	16QAM	1	0	20.37	20.24	20.36	22.00
10	16QAM	1	25	20.11	20.30	20.30	22.00
10	16QAM	1	49	20.16	20.36	20.31	22.00
10	16QAM	25	0	20.20	20.20	20.24	22.00
10	16QAM	25	12	20.31	20.33	20.35	22.00
10	16QAM	25	25	20.21	20.36	20.41	22.00
10	16QAM	50	0	20.30	20.12	20.28	22.00
10	64QAM	1	0	20.21	20.38	20.27	22.00
10	64QAM	1	25	20.24	20.14	20.52	22.00
10	64QAM	1	49	20.27	20.30	20.12	22.00
10	64QAM	25	0	20.29	20.41	20.14	22.00
10	64QAM	25	12	20.14	20.22	20.21	22.00
10	64QAM	25	25	20.42	20.34	20.24	22.00
10	64QAM	50	0	20.35	20.34	20.11	22.00
10	256QAM	1	0	20.39	20.08	20.32	22.00
10	256QAM	1	25	20.34	20.30	20.38	22.00
10	256QAM	1	49	20.22	20.14	20.19	22.00
10	256QAM	25	0	19.11	19.20	19.30	21.00
10	256QAM	25	12	19.24	19.28	19.22	21.00
10	256QAM	25	25	19.22	19.29	19.19	21.00
10	256QAM	50	0	19.19	19.26	19.19	21.00
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	20.39	20.50	20.61	22.00
5	QPSK	1	12	20.60	20.53	20.53	22.00
5	QPSK	1	24	20.53	20.60	20.61	22.00
5	QPSK	12	0	20.57	20.51	20.53	22.00
5	QPSK	12	7	20.56	20.59	20.59	22.00
5	QPSK	12	13	20.50	20.48	20.48	22.00
5	QPSK	25	0	20.51	20.54	20.55	22.00
5	16QAM	1	0	20.58	20.42	20.46	22.00
5	16QAM	1	12	20.59	20.38	20.51	22.00
5	16QAM	1	24	20.44	20.41	20.58	22.00
5	16QAM	12	0	20.57	20.50	20.43	22.00
5	16QAM	12	7	20.58	20.61	20.60	22.00
5	16QAM	12	13	20.42	20.45	20.51	22.00
5	16QAM	25	0	20.52	20.38	20.43	22.00
5	64QAM	1	0	20.44	20.49	20.42	22.00
5	64QAM	1	12	20.40	20.44	20.53	22.00
5	64QAM	1	24	20.44	20.43	20.56	22.00
5	64QAM	12	0	20.51	20.43	20.41	22.00
5	64QAM	12	7	20.51	20.43	20.48	22.00
5	64QAM	12	13	20.48	20.45	20.61	22.00
5	64QAM	25	0	20.43	20.53	20.54	22.00
5	256QAM	1	0	20.41	20.57	20.51	22.00
5	256QAM	1	12	20.39	20.50	20.61	22.00
5	256QAM	1	24	20.60	20.53	20.53	22.00
5	256QAM	12	0	19.59	19.61	19.40	21.00
5	256QAM	12	7	19.40	19.50	19.62	21.00
5	256QAM	12	13	19.39	19.40	19.55	21.00
5	256QAM	25	0	19.56	19.57	19.51	21.00

**【LTE Band 26_FCC (814~849MHz)_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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00
15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00
15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00
10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00
10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00
10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00



FCC SAR Test Report

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5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00
5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00
3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00
3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00
1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00



1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00

【LTE Band 26_FCC (814-849MHz)_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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00
15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00
15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00
10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00
10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00



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10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00
5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00
5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00
3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00
3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00



1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00
1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00

【LTE Band 26_FCC (814~849MHz)_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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00
15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00
15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00
10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00



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10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00
10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00
5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00
5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00
3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00
3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit



Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00
1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00
1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00

【LTE Band 26 _FCC (814~849MHz)_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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00
15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00
15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00



10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00
10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00
10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00
5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00
5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00
3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00



3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00
1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00
1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00

【LTE Band 26_FCC (814~849MHz)_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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00
15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00



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15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit
Frequency (MHz)				819	831.5	844	(dBm)
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00
10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00
10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00
10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00
5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00
5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00



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3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00
3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00
1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00
1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00

【LTE Band 26__FCC (814~849MHz)_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				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.54	23.63	23.57	24.00
15	QPSK	1	37	23.48	23.45	23.27	24.00
15	QPSK	1	74	23.35	23.43	23.30	24.00
15	QPSK	36	0	23.38	23.48	23.34	24.00
15	QPSK	36	20	23.49	23.47	23.38	24.00
15	QPSK	36	39	23.41	23.41	23.31	24.00
15	QPSK	75	0	23.49	23.49	23.39	24.00
15	16QAM	1	0	23.50	23.59	23.54	24.00
15	16QAM	1	37	23.61	23.60	23.56	24.00
15	16QAM	1	74	23.53	23.55	23.47	24.00
15	16QAM	36	0	23.22	23.26	23.15	24.00
15	16QAM	36	20	23.23	23.31	23.18	24.00



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15	16QAM	36	39	23.21	23.20	23.13	24.00
15	16QAM	75	0	23.25	23.23	23.10	24.00
15	64QAM	1	0	23.23	23.22	23.17	24.00
15	64QAM	1	37	23.17	23.21	23.10	24.00
15	64QAM	1	74	23.26	23.27	23.12	24.00
15	64QAM	36	0	22.17	22.24	22.12	23.00
15	64QAM	36	20	22.15	22.26	22.13	23.00
15	64QAM	36	39	22.11	22.19	22.13	23.00
15	64QAM	75	0	22.19	22.26	22.16	23.00
15	256QAM	1	0	20.42	20.45	20.37	21.00
15	256QAM	1	37	20.15	20.25	20.12	21.00
15	256QAM	1	74	20.40	20.38	20.21	21.00
15	256QAM	36	0	20.25	20.25	20.09	21.00
15	256QAM	36	20	20.12	20.20	20.12	21.00
15	256QAM	36	39	20.23	20.24	20.19	21.00
15	256QAM	75	0	20.15	20.25	20.20	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.54	23.53	23.46	24.00
10	QPSK	1	25	23.34	23.37	23.14	24.00
10	QPSK	1	49	23.28	23.39	23.27	24.00
10	QPSK	25	0	23.26	23.36	23.21	24.00
10	QPSK	25	12	23.46	23.43	23.36	24.00
10	QPSK	25	25	23.40	23.34	23.22	24.00
10	QPSK	50	0	23.39	23.44	23.28	24.00
10	16QAM	1	0	23.36	23.46	23.40	24.00
10	16QAM	1	25	23.51	23.53	23.49	24.00
10	16QAM	1	49	23.51	23.51	23.40	24.00
10	16QAM	25	0	23.13	23.19	23.05	24.00
10	16QAM	25	12	23.17	23.26	23.11	24.00
10	16QAM	25	25	23.09	23.16	23.00	24.00
10	16QAM	50	0	23.23	23.16	23.07	24.00
10	64QAM	1	0	23.22	23.08	23.05	24.00
10	64QAM	1	25	23.04	23.17	23.00	24.00
10	64QAM	1	49	23.16	23.15	23.07	24.00
10	64QAM	25	0	22.11	22.19	22.05	23.00
10	64QAM	25	12	22.09	22.23	22.03	23.00
10	64QAM	25	25	22.02	22.06	22.00	23.00
10	64QAM	50	0	22.10	22.13	22.14	23.00
10	256QAM	1	0	20.33	20.30	20.34	21.00
10	256QAM	1	25	20.10	20.15	20.02	21.00
10	256QAM	1	49	20.36	20.30	20.07	21.00
10	256QAM	25	0	20.20	20.20	20.08	21.00
10	256QAM	25	12	20.06	20.16	20.06	21.00
10	256QAM	25	25	20.12	20.19	20.16	21.00
10	256QAM	50	0	20.13	20.11	20.13	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.55	23.56	23.51	24.00
5	QPSK	1	12	23.34	23.32	23.18	24.00
5	QPSK	1	24	23.33	23.38	23.21	24.00
5	QPSK	12	0	23.35	23.40	23.33	24.00
5	QPSK	12	7	23.37	23.33	23.28	24.00
5	QPSK	12	13	23.39	23.32	23.26	24.00
5	QPSK	25	0	23.45	23.42	23.27	24.00
5	16QAM	1	0	23.45	23.56	23.46	24.00
5	16QAM	1	12	23.57	23.59	23.55	24.00
5	16QAM	1	24	23.45	23.42	23.32	24.00
5	16QAM	12	0	23.21	23.16	23.13	24.00
5	16QAM	12	7	23.17	23.17	23.10	24.00
5	16QAM	12	13	23.12	23.06	23.05	24.00
5	16QAM	25	0	23.17	23.22	23.00	24.00
5	64QAM	1	0	23.10	23.17	23.12	24.00
5	64QAM	1	12	23.07	23.07	23.05	24.00
5	64QAM	1	24	23.21	23.17	23.02	24.00
5	64QAM	12	0	22.14	22.12	22.01	23.00
5	64QAM	12	7	22.02	22.19	22.02	23.00
5	64QAM	12	13	22.06	22.06	22.11	23.00
5	64QAM	25	0	22.10	22.22	22.05	23.00
5	256QAM	1	0	20.29	20.40	20.23	21.00
5	256QAM	1	12	20.01	20.13	20.01	21.00
5	256QAM	1	24	20.38	20.32	20.14	21.00
5	256QAM	12	0	20.18	20.14	20.02	21.00
5	256QAM	12	7	20.01	20.07	20.01	21.00



5	256QAM	12	13	20.12	20.09	20.16	21.00
5	256QAM	25	0	20.11	20.13	20.09	21.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.57	23.56	23.42	24.00
3	QPSK	1	8	23.38	23.35	23.17	24.00
3	QPSK	1	14	23.21	23.33	23.22	24.00
3	QPSK	8	0	23.31	23.41	23.31	24.00
3	QPSK	8	4	23.43	23.43	23.28	24.00
3	QPSK	8	7	23.38	23.35	23.25	24.00
3	QPSK	15	0	23.42	23.45	23.28	24.00
3	16QAM	1	0	23.39	23.50	23.42	24.00
3	16QAM	1	8	23.54	23.52	23.44	24.00
3	16QAM	1	14	23.51	23.40	23.41	24.00
3	16QAM	8	0	23.12	23.18	23.01	24.00
3	16QAM	8	4	23.20	23.26	23.14	24.00
3	16QAM	8	7	23.12	23.10	23.01	24.00
3	16QAM	15	0	23.19	23.14	23.03	24.00
3	64QAM	1	0	23.15	23.16	23.11	24.00
3	64QAM	1	8	23.10	23.15	23.00	24.00
3	64QAM	1	14	23.20	23.19	23.00	24.00
3	64QAM	8	0	22.07	22.10	22.01	23.00
3	64QAM	8	4	22.01	22.18	22.08	23.00
3	64QAM	8	7	22.06	22.14	22.03	23.00
3	64QAM	15	0	22.06	22.23	22.06	23.00
3	256QAM	1	0	20.34	20.39	20.33	21.00
3	256QAM	1	8	20.14	20.13	20.04	21.00
3	256QAM	1	14	20.32	20.24	20.12	21.00
3	256QAM	8	0	20.18	20.12	20.00	21.00
3	256QAM	8	4	20.02	20.06	20.09	21.00
3	256QAM	8	7	20.19	20.11	20.07	21.00
3	256QAM	15	0	20.05	20.17	20.14	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.52	23.47	23.51	24.00
1.4	QPSK	1	3	23.41	23.31	23.20	24.00
1.4	QPSK	1	5	23.21	23.40	23.17	24.00
1.4	QPSK	3	0	23.34	23.34	23.21	24.00
1.4	QPSK	3	1	23.45	23.38	23.28	24.00
1.4	QPSK	3	3	23.33	23.31	23.26	24.00
1.4	QPSK	6	0	23.39	23.45	23.36	24.00
1.4	16QAM	1	0	23.48	23.45	23.47	24.00
1.4	16QAM	1	3	23.57	23.57	23.52	24.00
1.4	16QAM	1	5	23.44	23.51	23.44	24.00
1.4	16QAM	3	0	23.12	23.14	23.14	24.00
1.4	16QAM	3	1	23.12	23.21	23.05	24.00
1.4	16QAM	3	3	23.14	23.12	23.05	24.00
1.4	16QAM	6	0	23.22	23.17	23.08	24.00
1.4	64QAM	1	0	23.19	23.10	23.03	24.00
1.4	64QAM	1	3	23.03	23.16	23.05	24.00
1.4	64QAM	1	5	23.18	23.15	23.10	24.00
1.4	64QAM	3	0	22.03	22.23	22.08	23.00
1.4	64QAM	3	1	22.09	22.19	22.04	23.00
1.4	64QAM	3	3	22.08	22.06	22.09	23.00
1.4	64QAM	6	0	22.13	22.15	22.12	23.00
1.4	256QAM	1	0	20.37	20.32	20.27	21.00
1.4	256QAM	1	3	20.10	20.17	20.01	21.00
1.4	256QAM	1	5	20.28	20.24	20.17	21.00
1.4	256QAM	3	0	20.23	20.12	19.98	21.00
1.4	256QAM	3	1	20.08	20.13	19.99	21.00
1.4	256QAM	3	3	20.10	20.13	20.06	21.00
1.4	256QAM	6	0	20.01	20.17	20.11	21.00



【LTE Band 26_FCC (814~849MHz)_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.07	23.10	22.99	24.00
15	QPSK	1	37	22.75	22.88	22.74	24.00
15	QPSK	1	74	22.90	22.96	22.72	24.00
15	QPSK	36	0	22.81	22.98	22.79	24.00
15	QPSK	36	20	22.79	22.95	22.80	24.00
15	QPSK	36	39	22.81	22.93	22.73	24.00
15	QPSK	75	0	22.81	22.97	22.72	24.00
15	16QAM	1	0	22.91	23.03	22.87	24.00
15	16QAM	1	37	22.89	23.06	22.85	24.00
15	16QAM	1	74	22.83	22.92	22.68	24.00
15	16QAM	36	0	22.49	22.66	22.47	24.00
15	16QAM	36	20	22.61	22.72	22.58	24.00
15	16QAM	36	39	22.56	22.69	22.44	24.00
15	16QAM	75	0	22.63	22.72	22.48	24.00
15	64QAM	1	0	22.65	22.79	22.56	24.00
15	64QAM	1	37	22.72	22.88	22.65	24.00
15	64QAM	1	74	22.43	22.58	22.44	24.00
15	64QAM	36	0	21.48	21.61	21.40	22.50
15	64QAM	36	20	21.55	21.70	21.46	22.50
15	64QAM	36	39	21.55	21.68	21.53	22.50
15	64QAM	75	0	21.61	21.65	21.44	22.50
15	256QAM	1	0	19.58	19.62	19.48	21.00
15	256QAM	1	37	19.74	19.78	19.63	21.00
15	256QAM	1	74	19.66	19.82	19.60	21.00
15	256QAM	36	0	19.44	19.61	19.44	21.00
15	256QAM	36	20	19.61	19.72	19.57	21.00
15	256QAM	36	39	19.56	19.66	19.54	21.00
15	256QAM	75	0	19.51	19.68	19.57	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.05	23.01	22.88	24.00
10	QPSK	1	25	22.63	22.83	22.63	24.00
10	QPSK	1	49	22.88	22.82	22.57	24.00
10	QPSK	25	0	22.73	22.95	22.69	24.00
10	QPSK	25	12	22.76	22.84	22.76	24.00
10	QPSK	25	25	22.67	22.84	22.67	24.00
10	QPSK	50	0	22.70	22.94	22.69	24.00
10	16QAM	1	0	22.84	22.99	22.79	24.00
10	16QAM	1	25	22.84	23.05	22.80	24.00
10	16QAM	1	49	22.70	22.78	22.60	24.00
10	16QAM	25	0	22.44	22.65	22.35	24.00
10	16QAM	25	12	22.55	22.69	22.55	24.00
10	16QAM	25	25	22.49	22.64	22.31	24.00
10	16QAM	50	0	22.51	22.57	22.44	24.00
10	64QAM	1	0	22.52	22.78	22.54	24.00
10	64QAM	1	25	22.58	22.76	22.55	24.00
10	64QAM	1	49	22.32	22.48	22.35	24.00
10	64QAM	25	0	21.47	21.59	21.34	22.50
10	64QAM	25	12	21.49	21.59	21.34	22.50
10	64QAM	25	25	21.43	21.57	21.40	22.50
10	64QAM	50	0	21.60	21.63	21.30	22.50
10	256QAM	1	0	19.46	19.49	19.37	21.00
10	256QAM	1	25	19.71	19.69	19.52	21.00
10	256QAM	1	49	19.58	19.80	19.59	21.00
10	256QAM	25	0	19.30	19.50	19.34	21.00
10	256QAM	25	12	19.57	19.62	19.47	21.00
10	256QAM	25	25	19.42	19.61	19.47	21.00
10	256QAM	50	0	19.47	19.55	19.42	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.92	22.96	22.92	24.00
5	QPSK	1	12	22.72	22.80	22.69	24.00
5	QPSK	1	24	22.87	22.88	22.66	24.00
5	QPSK	12	0	22.80	22.88	22.69	24.00
5	QPSK	12	7	22.78	22.88	22.69	24.00
5	QPSK	12	13	22.69	22.79	22.60	24.00
5	QPSK	25	0	22.71	22.93	22.68	24.00



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5	16QAM	1	0	22.88	22.99	22.79	24.00
5	16QAM	1	12	22.87	23.02	22.83	24.00
5	16QAM	1	24	22.73	22.90	22.54	24.00
5	16QAM	12	0	22.39	22.51	22.34	24.00
5	16QAM	12	7	22.55	22.70	22.55	24.00
5	16QAM	12	13	22.46	22.55	22.31	24.00
5	16QAM	25	0	22.52	22.67	22.41	24.00
5	64QAM	1	0	22.57	22.76	22.49	24.00
5	64QAM	1	12	22.62	22.82	22.53	24.00
5	64QAM	1	24	22.30	22.53	22.29	24.00
5	64QAM	12	0	21.38	21.49	21.33	22.50
5	64QAM	12	7	21.54	21.67	21.34	22.50
5	64QAM	12	13	21.51	21.57	21.47	22.50
5	64QAM	25	0	21.51	21.59	21.32	22.50
5	256QAM	1	0	19.49	19.54	19.44	21.00
5	256QAM	1	12	19.73	19.72	19.59	21.00
5	256QAM	1	24	19.59	19.77	19.55	21.00
5	256QAM	12	0	19.36	19.56	19.29	21.00
5	256QAM	12	7	19.52	19.68	19.45	21.00
5	256QAM	12	13	19.45	19.59	19.40	21.00
5	256QAM	25	0	19.38	19.61	19.54	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	22.98	23.07	22.92	24.00
3	QPSK	1	8	22.67	22.86	22.69	24.00
3	QPSK	1	14	22.75	22.89	22.67	24.00
3	QPSK	8	0	22.78	22.96	22.75	24.00
3	QPSK	8	4	22.67	22.91	22.66	24.00
3	QPSK	8	7	22.73	22.81	22.71	24.00
3	QPSK	15	0	22.74	22.88	22.59	24.00
3	16QAM	1	0	22.85	23.00	22.86	24.00
3	16QAM	1	8	22.75	23.00	22.74	24.00
3	16QAM	1	14	22.69	22.79	22.61	24.00
3	16QAM	8	0	22.41	22.63	22.40	24.00
3	16QAM	8	4	22.55	22.65	22.44	24.00
3	16QAM	8	7	22.53	22.59	22.33	24.00
3	16QAM	15	0	22.57	22.71	22.40	24.00
3	64QAM	1	0	22.64	22.72	22.53	24.00
3	64QAM	1	8	22.60	22.85	22.56	24.00
3	64QAM	1	14	22.40	22.50	22.30	24.00
3	64QAM	8	0	21.40	21.56	21.31	22.50
3	64QAM	8	4	21.45	21.63	21.34	22.50
3	64QAM	8	7	21.52	21.61	21.47	22.50
3	64QAM	15	0	21.55	21.51	21.37	22.50
3	256QAM	1	0	19.50	19.56	19.43	21.00
3	256QAM	1	8	19.64	19.72	19.52	21.00
3	256QAM	1	14	19.57	19.78	19.47	21.00
3	256QAM	8	0	19.41	19.56	19.33	21.00
3	256QAM	8	4	19.48	19.68	19.44	21.00
3	256QAM	8	7	19.48	19.52	19.39	21.00
3	256QAM	15	0	19.47	19.61	19.50	21.00
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	22.98	22.97	22.86	24.00
1.4	QPSK	1	3	22.67	22.74	22.72	24.00
1.4	QPSK	1	5	22.89	22.88	22.68	24.00
1.4	QPSK	3	0	22.74	22.91	22.65	24.00
1.4	QPSK	3	1	22.77	22.91	22.76	24.00
1.4	QPSK	3	3	22.79	22.86	22.60	24.00
1.4	QPSK	6	0	21.79	21.82	21.60	23.00
1.4	16QAM	1	0	22.87	23.02	22.82	24.00
1.4	16QAM	1	3	22.82	23.05	22.72	24.00
1.4	16QAM	1	5	22.70	22.90	22.61	24.00
1.4	16QAM	3	0	22.39	22.62	22.43	24.00
1.4	16QAM	3	1	22.47	22.62	22.51	24.00
1.4	16QAM	3	3	22.52	22.56	22.33	24.00
1.4	16QAM	6	0	22.57	22.66	22.34	24.00
1.4	64QAM	1	0	22.62	22.74	22.47	24.00
1.4	64QAM	1	3	22.68	22.80	22.63	24.00
1.4	64QAM	1	5	22.31	22.52	22.32	24.00
1.4	64QAM	3	0	21.45	21.47	21.36	22.50
1.4	64QAM	3	1	21.40	21.55	21.31	22.50
1.4	64QAM	3	3	21.48	21.62	21.39	22.50
1.4	64QAM	6	0	21.54	21.56	21.33	22.50



1.4	256QAM	1	0	19.51	19.57	19.42	21.00
1.4	256QAM	1	3	19.72	19.75	19.61	21.00
1.4	256QAM	1	5	19.60	19.76	19.53	21.00
1.4	256QAM	3	0	19.40	19.49	19.29	21.00
1.4	256QAM	3	1	19.57	19.69	19.49	21.00
1.4	256QAM	3	3	19.54	19.57	19.52	21.00
1.4	256QAM	6	0	19.44	19.57	19.46	21.00

【LTE Band 26_FCC (814~849MHz)_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.07	23.10	22.99	24.00
15	QPSK	1	37	22.75	22.88	22.74	24.00
15	QPSK	1	74	22.90	22.96	22.72	24.00
15	QPSK	36	0	22.81	22.98	22.79	24.00
15	QPSK	36	20	22.79	22.95	22.80	24.00
15	QPSK	36	39	22.81	22.93	22.73	24.00
15	QPSK	75	0	22.81	22.97	22.72	24.00
15	16QAM	1	0	22.91	23.03	22.87	24.00
15	16QAM	1	37	22.89	23.06	22.85	24.00
15	16QAM	1	74	22.83	22.92	22.68	24.00
15	16QAM	36	0	22.49	22.66	22.47	24.00
15	16QAM	36	20	22.61	22.72	22.58	24.00
15	16QAM	36	39	22.56	22.69	22.44	24.00
15	16QAM	75	0	22.63	22.72	22.48	24.00
15	64QAM	1	0	22.65	22.79	22.56	24.00
15	64QAM	1	37	22.72	22.88	22.65	24.00
15	64QAM	1	74	22.43	22.58	22.44	24.00
15	64QAM	36	0	21.48	21.61	21.40	22.50
15	64QAM	36	20	21.55	21.70	21.46	22.50
15	64QAM	36	39	21.55	21.68	21.53	22.50
15	64QAM	75	0	21.61	21.65	21.44	22.50
15	256QAM	1	0	19.58	19.62	19.48	21.00
15	256QAM	1	37	19.74	19.78	19.63	21.00
15	256QAM	1	74	19.66	19.82	19.60	21.00
15	256QAM	36	0	19.44	19.61	19.44	21.00
15	256QAM	36	20	19.61	19.72	19.57	21.00
15	256QAM	36	39	19.56	19.66	19.54	21.00
15	256QAM	75	0	19.51	19.68	19.57	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.05	23.01	22.88	24.00
10	QPSK	1	25	22.63	22.83	22.63	24.00
10	QPSK	1	49	22.88	22.82	22.57	24.00
10	QPSK	25	0	22.73	22.95	22.69	24.00
10	QPSK	25	12	22.76	22.84	22.76	24.00
10	QPSK	25	25	22.67	22.84	22.67	24.00
10	QPSK	50	0	22.70	22.94	22.69	24.00
10	16QAM	1	0	22.84	22.99	22.79	24.00
10	16QAM	1	25	22.84	23.05	22.80	24.00
10	16QAM	1	49	22.70	22.78	22.60	24.00
10	16QAM	25	0	22.44	22.65	22.35	24.00
10	16QAM	25	12	22.55	22.69	22.55	24.00
10	16QAM	25	25	22.49	22.64	22.31	24.00
10	16QAM	50	0	22.51	22.57	22.44	24.00
10	64QAM	1	0	22.52	22.78	22.54	24.00
10	64QAM	1	25	22.58	22.76	22.55	24.00
10	64QAM	1	49	22.32	22.48	22.35	24.00
10	64QAM	25	0	21.47	21.59	21.34	22.50
10	64QAM	25	12	21.49	21.59	21.34	22.50
10	64QAM	25	25	21.43	21.57	21.40	22.50
10	64QAM	50	0	21.60	21.63	21.30	22.50
10	256QAM	1	0	19.46	19.49	19.37	21.00
10	256QAM	1	25	19.71	19.69	19.52	21.00
10	256QAM	1	49	19.58	19.80	19.59	21.00
10	256QAM	25	0	19.30	19.50	19.34	21.00
10	256QAM	25	12	19.57	19.62	19.47	21.00



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10	256QAM	25	25	19.42	19.61	19.47	21.00
10	256QAM	50	0	19.47	19.55	19.42	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.92	22.96	22.92	24.00
5	QPSK	1	12	22.72	22.80	22.69	24.00
5	QPSK	1	24	22.87	22.88	22.66	24.00
5	QPSK	12	0	22.80	22.88	22.69	24.00
5	QPSK	12	7	22.78	22.88	22.69	24.00
5	QPSK	12	13	22.69	22.79	22.60	24.00
5	QPSK	25	0	22.71	22.93	22.68	24.00
5	16QAM	1	0	22.88	22.99	22.79	24.00
5	16QAM	1	12	22.87	23.02	22.83	24.00
5	16QAM	1	24	22.73	22.90	22.54	24.00
5	16QAM	12	0	22.39	22.51	22.34	24.00
5	16QAM	12	7	22.55	22.70	22.55	24.00
5	16QAM	12	13	22.46	22.55	22.31	24.00
5	16QAM	25	0	22.52	22.67	22.41	24.00
5	64QAM	1	0	22.57	22.76	22.49	24.00
5	64QAM	1	12	22.62	22.82	22.53	24.00
5	64QAM	1	24	22.30	22.53	22.29	24.00
5	64QAM	12	0	21.38	21.49	21.33	22.50
5	64QAM	12	7	21.54	21.67	21.34	22.50
5	64QAM	12	13	21.51	21.57	21.47	22.50
5	64QAM	25	0	21.51	21.59	21.32	22.50
5	256QAM	1	0	19.49	19.54	19.44	21.00
5	256QAM	1	12	19.73	19.72	19.59	21.00
5	256QAM	1	24	19.59	19.77	19.55	21.00
5	256QAM	12	0	19.36	19.56	19.29	21.00
5	256QAM	12	7	19.52	19.68	19.45	21.00
5	256QAM	12	13	19.45	19.59	19.40	21.00
5	256QAM	25	0	19.38	19.61	19.54	21.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.98	23.07	22.92	24.00
3	QPSK	1	8	22.67	22.86	22.69	24.00
3	QPSK	1	14	22.75	22.89	22.67	24.00
3	QPSK	8	0	22.78	22.96	22.75	24.00
3	QPSK	8	4	22.67	22.91	22.66	24.00
3	QPSK	8	7	22.73	22.81	22.71	24.00
3	QPSK	15	0	22.74	22.88	22.59	24.00
3	16QAM	1	0	22.85	23.00	22.86	24.00
3	16QAM	1	8	22.75	23.00	22.74	24.00
3	16QAM	1	14	22.69	22.79	22.61	24.00
3	16QAM	8	0	22.41	22.63	22.40	24.00
3	16QAM	8	4	22.55	22.65	22.44	24.00
3	16QAM	8	7	22.53	22.59	22.33	24.00
3	16QAM	15	0	22.57	22.71	22.40	24.00
3	64QAM	1	0	22.64	22.72	22.53	24.00
3	64QAM	1	8	22.60	22.85	22.56	24.00
3	64QAM	1	14	22.40	22.50	22.30	24.00
3	64QAM	8	0	21.40	21.56	21.31	22.50
3	64QAM	8	4	21.45	21.63	21.34	22.50
3	64QAM	8	7	21.52	21.61	21.47	22.50
3	64QAM	15	0	21.55	21.51	21.37	22.50
3	256QAM	1	0	19.50	19.56	19.43	21.00
3	256QAM	1	8	19.64	19.72	19.52	21.00
3	256QAM	1	14	19.57	19.78	19.47	21.00
3	256QAM	8	0	19.41	19.56	19.33	21.00
3	256QAM	8	4	19.48	19.68	19.44	21.00
3	256QAM	8	7	19.48	19.52	19.39	21.00
3	256QAM	15	0	19.47	19.61	19.50	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.98	22.97	22.86	24.00
1.4	QPSK	1	3	22.67	22.74	22.72	24.00
1.4	QPSK	1	5	22.89	22.88	22.68	24.00
1.4	QPSK	3	0	22.74	22.91	22.65	24.00
1.4	QPSK	3	1	22.77	22.91	22.76	24.00
1.4	QPSK	3	3	22.79	22.86	22.60	24.00
1.4	QPSK	6	0	21.79	21.82	21.60	23.00
1.4	16QAM	1	0	22.87	23.02	22.82	24.00
1.4	16QAM	1	3	22.82	23.05	22.72	24.00
1.4	16QAM	1	5	22.70	22.90	22.61	24.00



1.4	16QAM	3	0	22.39	22.62	22.43	24.00
1.4	16QAM	3	1	22.47	22.62	22.51	24.00
1.4	16QAM	3	3	22.52	22.56	22.33	24.00
1.4	16QAM	6	0	22.57	22.66	22.34	24.00
1.4	64QAM	1	0	22.62	22.74	22.47	24.00
1.4	64QAM	1	3	22.68	22.80	22.63	24.00
1.4	64QAM	1	5	22.31	22.52	22.32	24.00
1.4	64QAM	3	0	21.45	21.47	21.36	22.50
1.4	64QAM	3	1	21.40	21.55	21.31	22.50
1.4	64QAM	3	3	21.48	21.62	21.39	22.50
1.4	64QAM	6	0	21.54	21.56	21.33	22.50
1.4	256QAM	1	0	19.51	19.57	19.42	21.00
1.4	256QAM	1	3	19.72	19.75	19.61	21.00
1.4	256QAM	1	5	19.60	19.76	19.53	21.00
1.4	256QAM	3	0	19.40	19.49	19.29	21.00
1.4	256QAM	3	1	19.57	19.69	19.49	21.00
1.4	256QAM	3	3	19.54	19.57	19.52	21.00
1.4	256QAM	6	0	19.44	19.57	19.46	21.00

【LTE Band 26__FCC (814~849MHz)_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.81	20.89	20.83	21.90
15	QPSK	1	37	20.72	20.85	20.75	21.90
15	QPSK	1	74	20.71	20.83	20.71	21.90
15	QPSK	36	0	20.68	20.85	20.64	21.90
15	QPSK	36	20	20.67	20.81	20.64	21.90
15	QPSK	36	39	20.53	20.75	20.66	21.90
15	QPSK	75	0	20.60	20.79	20.61	21.90
15	16QAM	1	0	20.61	20.76	20.67	21.90
15	16QAM	1	37	20.56	20.73	20.56	21.90
15	16QAM	1	74	20.50	20.71	20.56	21.90
15	16QAM	36	0	20.54	20.72	20.64	21.90
15	16QAM	36	20	20.62	20.79	20.69	21.90
15	16QAM	36	39	20.56	20.76	20.63	21.90
15	16QAM	75	0	20.56	20.73	20.61	21.90
15	64QAM	1	0	20.59	20.71	20.61	21.90
15	64QAM	1	37	20.53	20.75	20.66	21.90
15	64QAM	1	74	20.59	20.77	20.63	21.90
15	64QAM	36	0	20.56	20.71	20.54	21.90
15	64QAM	36	20	20.65	20.79	20.72	21.90
15	64QAM	36	39	20.57	20.76	20.56	21.90
15	64QAM	75	0	20.54	20.71	20.62	21.90
15	256QAM	1	0	19.82	19.98	19.86	21.00
15	256QAM	1	37	19.82	19.95	19.77	21.00
15	256QAM	1	74	19.70	19.91	19.75	21.00
15	256QAM	36	0	19.81	19.97	19.87	21.00
15	256QAM	36	20	19.85	19.96	19.88	21.00
15	256QAM	36	39	19.78	19.94	19.83	21.00
15	256QAM	75	0	19.79	19.92	19.72	21.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.71	20.85	20.79	21.90
10	QPSK	1	25	20.58	20.72	20.71	21.90
10	QPSK	1	49	20.58	20.80	20.67	21.90
10	QPSK	25	0	20.60	20.77	20.62	21.90
10	QPSK	25	12	20.65	20.72	20.53	21.90
10	QPSK	25	25	20.40	20.65	20.62	21.90
10	QPSK	50	0	20.47	20.77	20.50	21.90
10	16QAM	1	0	20.57	20.70	20.62	21.90
10	16QAM	1	25	20.50	20.67	20.44	21.90
10	16QAM	1	49	20.41	20.59	20.45	21.90
10	16QAM	25	0	20.46	20.64	20.60	21.90
10	16QAM	25	12	20.59	20.69	20.62	21.90
10	16QAM	25	25	20.54	20.68	20.60	21.90
10	16QAM	50	0	20.42	20.70	20.46	21.90
10	64QAM	1	0	20.57	20.69	20.48	21.90



10	64QAM	1	25	20.38	20.71	20.58	21.90
10	64QAM	1	49	20.58	20.64	20.51	21.90
10	64QAM	25	0	20.53	20.57	20.45	21.90
10	64QAM	25	12	20.63	20.69	20.64	21.90
10	64QAM	25	25	20.44	20.68	20.43	21.90
10	64QAM	50	0	20.45	20.57	20.55	21.90
10	256QAM	1	0	19.73	19.93	19.78	21.00
10	256QAM	1	25	19.72	19.89	19.65	21.00
10	256QAM	1	49	19.61	19.88	19.73	21.00
10	256QAM	25	0	19.74	19.87	19.83	21.00
10	256QAM	25	12	19.77	19.86	19.74	21.00
10	256QAM	25	25	19.66	19.79	19.74	21.00
10	256QAM	50	0	19.65	19.85	19.63	21.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	20.67	20.81	20.72	21.90
5	QPSK	1	12	20.65	20.81	20.68	21.90
5	QPSK	1	24	20.59	20.82	20.57	21.90
5	QPSK	12	0	20.60	20.77	20.56	21.90
5	QPSK	12	7	20.66	20.70	20.61	21.90
5	QPSK	12	13	20.48	20.64	20.60	21.90
5	QPSK	25	0	20.46	20.64	20.47	21.90
5	16QAM	1	0	20.52	20.61	20.60	21.90
5	16QAM	1	12	20.49	20.62	20.44	21.90
5	16QAM	1	24	20.48	20.60	20.52	21.90
5	16QAM	12	0	20.46	20.60	20.57	21.90
5	16QAM	12	7	20.58	20.66	20.56	21.90
5	16QAM	12	13	20.55	20.74	20.58	21.90
5	16QAM	25	0	20.49	20.70	20.59	21.90
5	64QAM	1	0	20.44	20.62	20.53	21.90
5	64QAM	1	12	20.45	20.73	20.59	21.90
5	64QAM	1	24	20.45	20.68	20.60	21.90
5	64QAM	12	0	20.50	20.61	20.51	21.90
5	64QAM	12	7	20.52	20.67	20.69	21.90
5	64QAM	12	13	20.51	20.74	20.50	21.90
5	64QAM	25	0	20.44	20.63	20.52	21.90
5	256QAM	1	0	19.68	19.87	19.74	21.00
5	256QAM	1	12	19.72	19.82	19.70	21.00
5	256QAM	1	24	19.62	19.88	19.70	21.00
5	256QAM	12	0	19.80	19.83	19.77	21.00
5	256QAM	12	7	19.71	19.84	19.74	21.00
5	256QAM	12	13	19.73	19.93	19.76	21.00
5	256QAM	25	0	19.69	19.79	19.65	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	20.72	20.76	20.73	21.90
3	QPSK	1	8	20.61	20.76	20.74	21.90
3	QPSK	1	14	20.65	20.78	20.63	21.90
3	QPSK	8	0	20.61	20.76	20.56	21.90
3	QPSK	8	4	20.64	20.75	20.49	21.90
3	QPSK	8	7	20.39	20.67	20.59	21.90
3	QPSK	15	0	20.50	20.73	20.58	21.90
3	16QAM	1	0	20.51	20.64	20.54	21.90
3	16QAM	1	8	20.42	20.66	20.46	21.90
3	16QAM	1	14	20.44	20.59	20.42	21.90
3	16QAM	8	0	20.40	20.61	20.62	21.90
3	16QAM	8	4	20.51	20.70	20.62	21.90
3	16QAM	8	7	20.43	20.66	20.51	21.90
3	16QAM	15	0	20.44	20.69	20.54	21.90
3	64QAM	1	0	20.46	20.69	20.57	21.90
3	64QAM	1	8	20.43	20.67	20.56	21.90
3	64QAM	1	14	20.45	20.75	20.57	21.90
3	64QAM	8	0	20.49	20.68	20.45	21.90
3	64QAM	8	4	20.55	20.70	20.67	21.90
3	64QAM	8	7	20.51	20.62	20.41	21.90
3	64QAM	15	0	20.49	20.57	20.54	21.90
3	256QAM	1	0	19.79	19.92	19.80	21.00
3	256QAM	1	8	19.81	19.91	19.75	21.00
3	256QAM	1	14	19.66	19.78	19.73	21.00
3	256QAM	8	0	19.75	19.84	19.74	21.00
3	256QAM	8	4	19.79	19.91	19.84	21.00
3	256QAM	8	7	19.73	19.91	19.81	21.00
3	256QAM	15	0	19.64	19.83	19.70	21.00
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	20.68	20.88	20.78	21.90
1.4	QPSK	1	3	20.57	20.73	20.66	21.90
1.4	QPSK	1	5	20.68	20.71	20.68	21.90
1.4	QPSK	3	0	20.61	20.78	20.52	21.90
1.4	QPSK	3	1	20.56	20.72	20.62	21.90
1.4	QPSK	3	3	20.42	20.74	20.60	21.90
1.4	QPSK	6	0	20.47	20.75	20.55	21.90
1.4	16QAM	1	0	20.56	20.71	20.60	21.90
1.4	16QAM	1	3	20.54	20.72	20.47	21.90
1.4	16QAM	1	5	20.46	20.59	20.46	21.90
1.4	16QAM	3	0	20.47	20.66	20.59	21.90
1.4	16QAM	3	1	20.54	20.67	20.62	21.90
1.4	16QAM	3	3	20.50	20.69	20.53	21.90
1.4	16QAM	6	0	20.54	20.64	20.47	21.90
1.4	64QAM	1	0	20.44	20.69	20.51	21.90
1.4	64QAM	1	3	20.45	20.63	20.52	21.90
1.4	64QAM	1	5	20.58	20.62	20.52	21.90
1.4	64QAM	3	0	20.49	20.57	20.46	21.90
1.4	64QAM	3	1	20.55	20.74	20.69	21.90
1.4	64QAM	3	3	20.53	20.65	20.43	21.90
1.4	64QAM	6	0	20.41	20.58	20.48	21.90
1.4	256QAM	1	0	19.77	19.95	19.82	21.00
1.4	256QAM	1	3	19.68	19.85	19.68	21.00
1.4	256QAM	1	5	19.64	19.90	19.71	21.00
1.4	256QAM	3	0	19.78	19.91	19.83	21.00
1.4	256QAM	3	1	19.84	19.88	19.73	21.00
1.4	256QAM	3	3	19.71	19.83	19.78	21.00
1.4	256QAM	6	0	19.78	19.83	19.67	21.00

【LTE Band 26_FCC (814~849MHz)_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	20.85	20.89	20.64	22.10
15	QPSK	1	37	20.68	20.73	20.67	22.10
15	QPSK	1	74	20.72	20.64	20.78	22.10
15	QPSK	36	0	20.78	20.88	20.85	22.10
15	QPSK	36	20	20.75	20.87	20.84	22.10
15	QPSK	36	39	20.80	20.64	20.81	22.10
15	QPSK	75	0	20.64	20.64	20.73	22.10
15	16QAM	1	0	20.76	20.85	20.69	22.10
15	16QAM	1	37	20.72	20.74	20.78	22.10
15	16QAM	1	74	20.70	20.73	20.82	22.10
15	16QAM	36	0	20.73	20.81	20.72	22.10
15	16QAM	36	20	20.67	20.73	20.74	22.10
15	16QAM	36	39	20.80	20.80	20.67	22.10
15	16QAM	75	0	20.86	20.87	20.72	22.10
15	64QAM	1	0	20.72	20.72	20.68	22.10
15	64QAM	1	37	20.65	20.87	20.86	22.10
15	64QAM	1	74	20.66	20.79	20.83	22.10
15	64QAM	36	0	20.85	20.82	20.64	22.10
15	64QAM	36	20	20.68	20.73	20.67	22.10
15	64QAM	36	39	20.72	20.64	20.78	22.10
15	64QAM	75	0	20.78	20.63	20.85	22.10
15	256QAM	1	0	19.49	19.33	19.40	21.00
15	256QAM	1	37	19.57	19.51	19.53	21.00
15	256QAM	1	74	19.55	19.42	19.53	21.00
15	256QAM	36	0	19.50	19.49	19.40	21.00
15	256QAM	36	20	19.36	19.36	19.55	21.00
15	256QAM	36	39	19.38	19.51	19.33	21.00
15	256QAM	75	0	19.35	19.36	19.36	21.00
Channel				26740	26865	26990	Tune-up limit
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	20.79	20.80	20.57	22.10
10	QPSK	1	25	20.64	20.60	20.61	22.10
10	QPSK	1	49	20.58	20.58	20.69	22.10
10	QPSK	25	0	20.74	20.84	20.78	22.10



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10	QPSK	25	12	20.67	20.80	20.79	22.10
10	QPSK	25	25	20.68	20.61	20.70	22.10
10	QPSK	50	0	20.62	20.52	20.64	22.10
10	16QAM	1	0	20.66	20.77	20.56	22.10
10	16QAM	1	25	20.63	20.63	20.77	22.10
10	16QAM	1	49	20.68	20.66	20.71	22.10
10	16QAM	25	0	20.64	20.75	20.66	22.10
10	16QAM	25	12	20.61	20.65	20.67	22.10
10	16QAM	25	25	20.71	20.66	20.53	22.10
10	16QAM	50	0	20.78	20.73	20.62	22.10
10	64QAM	1	0	20.63	20.69	20.66	22.10
10	64QAM	1	25	20.61	20.81	20.77	22.10
10	64QAM	1	49	20.64	20.71	20.72	22.10
10	64QAM	25	0	20.78	20.69	20.58	22.10
10	64QAM	25	12	20.63	20.61	20.57	22.10
10	64QAM	25	25	20.68	20.59	20.73	22.10
10	64QAM	50	0	20.73	20.60	20.74	22.10
10	256QAM	1	0	19.47	19.29	19.38	21.00
10	256QAM	1	25	19.52	19.41	19.48	21.00
10	256QAM	1	49	19.47	19.39	19.45	21.00
10	256QAM	25	0	19.47	19.42	19.38	21.00
10	256QAM	25	12	19.32	19.21	19.43	21.00
10	256QAM	25	25	19.26	19.39	19.23	21.00
10	256QAM	50	0	19.22	19.35	19.26	21.00
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	20.76	20.86	20.51	22.10
5	QPSK	1	12	20.63	20.65	20.62	22.10
5	QPSK	1	24	20.59	20.54	20.76	22.10
5	QPSK	12	0	20.75	20.84	20.79	22.10
5	QPSK	12	7	20.71	20.74	20.79	22.10
5	QPSK	12	13	20.79	20.53	20.73	22.10
5	QPSK	25	0	20.58	20.60	20.71	22.10
5	16QAM	1	0	20.68	20.78	20.59	22.10
5	16QAM	1	12	20.62	20.65	20.66	22.10
5	16QAM	1	24	20.62	20.72	20.68	22.10
5	16QAM	12	0	20.69	20.76	20.58	22.10
5	16QAM	12	7	20.55	20.64	20.67	22.10
5	16QAM	12	13	20.67	20.75	20.55	22.10
5	16QAM	25	0	20.75	20.85	20.67	22.10
5	64QAM	1	0	20.60	20.60	20.55	22.10
5	64QAM	1	12	20.52	20.83	20.79	22.10
5	64QAM	1	24	20.55	20.75	20.74	22.10
5	64QAM	12	0	20.83	20.74	20.63	22.10
5	64QAM	12	7	20.59	20.62	20.60	22.10
5	64QAM	12	13	20.61	20.51	20.67	22.10
5	64QAM	25	0	20.70	20.60	20.80	22.10
5	256QAM	1	0	19.46	19.21	19.33	21.00
5	256QAM	1	12	19.48	19.47	19.41	21.00
5	256QAM	1	24	19.45	19.36	19.39	21.00
5	256QAM	12	0	19.43	19.36	19.27	21.00
5	256QAM	12	7	19.24	19.30	19.40	21.00
5	256QAM	12	13	19.30	19.40	19.22	21.00
5	256QAM	25	0	19.31	19.23	19.26	21.00
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	20.81	20.80	20.52	22.10
3	QPSK	1	8	20.62	20.67	20.66	22.10
3	QPSK	1	14	20.63	20.52	20.72	22.10
3	QPSK	8	0	20.67	20.75	20.79	22.10
3	QPSK	8	4	20.73	20.75	20.75	22.10
3	QPSK	8	7	20.69	20.63	20.66	22.10
3	QPSK	15	0	20.53	20.54	20.68	22.10
3	16QAM	1	0	20.69	20.78	20.57	22.10
3	16QAM	1	8	20.62	20.72	20.65	22.10
3	16QAM	1	14	20.62	20.66	20.69	22.10
3	16QAM	8	0	20.68	20.74	20.66	22.10
3	16QAM	8	4	20.64	20.64	20.61	22.10
3	16QAM	8	7	20.73	20.67	20.58	22.10
3	16QAM	15	0	20.83	20.82	20.68	22.10
3	64QAM	1	0	20.60	20.68	20.57	22.10
3	64QAM	1	8	20.63	20.78	20.76	22.10
3	64QAM	1	14	20.56	20.74	20.75	22.10
3	64QAM	8	0	20.73	20.74	20.63	22.10



3	64QAM	8	4	20.63	20.61	20.53	22.10
3	64QAM	8	7	20.65	20.61	20.68	22.10
3	64QAM	15	0	20.76	20.53	20.71	22.10
3	256QAM	1	0	19.45	19.26	19.34	21.00
3	256QAM	1	8	19.42	19.43	19.50	21.00
3	256QAM	1	14	19.48	19.38	19.51	21.00
3	256QAM	8	0	19.45	19.45	19.33	21.00
3	256QAM	8	4	19.24	19.29	19.45	21.00
3	256QAM	8	7	19.36	19.42	19.30	21.00
3	256QAM	15	0	19.24	19.24	19.29	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	20.73	20.79	20.57	22.10
1.4	QPSK	1	3	20.54	20.65	20.53	22.10
1.4	QPSK	1	5	20.58	20.53	20.72	22.10
1.4	QPSK	3	0	20.67	20.85	20.78	22.10
1.4	QPSK	3	1	20.64	20.79	20.76	22.10
1.4	QPSK	3	3	20.74	20.53	20.70	22.10
1.4	QPSK	6	0	20.53	20.53	20.61	22.10
1.4	16QAM	1	0	20.65	20.83	20.68	22.10
1.4	16QAM	1	3	20.68	20.66	20.72	22.10
1.4	16QAM	1	5	20.57	20.61	20.81	22.10
1.4	16QAM	3	0	20.64	20.76	20.58	22.10
1.4	16QAM	3	1	20.52	20.64	20.64	22.10
1.4	16QAM	3	3	20.67	20.70	20.56	22.10
1.4	16QAM	6	0	20.80	20.81	20.70	22.10
1.4	64QAM	1	0	20.64	20.68	20.57	22.10
1.4	64QAM	1	3	20.61	20.77	20.74	22.10
1.4	64QAM	1	5	20.65	20.71	20.80	22.10
1.4	64QAM	3	0	20.72	20.77	20.62	22.10
1.4	64QAM	3	1	20.57	20.62	20.58	22.10
1.4	64QAM	3	3	20.59	20.52	20.76	22.10
1.4	64QAM	6	0	20.64	20.54	20.76	22.10
1.4	256QAM	1	0	19.37	19.29	19.36	21.00
1.4	256QAM	1	3	19.45	19.45	19.42	21.00
1.4	256QAM	1	5	19.41	19.40	19.46	21.00
1.4	256QAM	3	0	19.43	19.43	19.38	21.00
1.4	256QAM	3	1	19.31	19.22	19.41	21.00
1.4	256QAM	3	3	19.34	19.39	19.31	21.00
1.4	256QAM	6	0	19.26	19.31	19.32	21.00

【LTE Band 26_FCC (814~849MHz)_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.07	23.10	22.99	24.00
15	QPSK	1	37	22.75	22.88	22.74	24.00
15	QPSK	1	74	22.90	22.96	22.72	24.00
15	QPSK	36	0	22.81	22.98	22.79	24.00
15	QPSK	36	20	22.79	22.95	22.80	24.00
15	QPSK	36	39	22.81	22.93	22.73	24.00
15	QPSK	75	0	22.81	22.97	22.72	24.00
15	16QAM	1	0	22.91	23.03	22.87	24.00
15	16QAM	1	37	22.89	23.06	22.85	24.00
15	16QAM	1	74	22.83	22.92	22.68	24.00
15	16QAM	36	0	22.49	22.66	22.47	24.00
15	16QAM	36	20	22.61	22.72	22.58	24.00
15	16QAM	36	39	22.56	22.69	22.44	24.00
15	16QAM	75	0	22.63	22.72	22.48	24.00
15	64QAM	1	0	22.65	22.79	22.56	24.00
15	64QAM	1	37	22.72	22.88	22.65	24.00
15	64QAM	1	74	22.43	22.58	22.44	24.00
15	64QAM	36	0	21.48	21.61	21.40	22.50
15	64QAM	36	20	21.55	21.70	21.46	22.50
15	64QAM	36	39	21.55	21.68	21.53	22.50
15	64QAM	75	0	21.61	21.65	21.44	22.50
15	256QAM	1	0	19.58	19.62	19.48	21.00
15	256QAM	1	37	19.74	19.78	19.63	21.00



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15	256QAM	1	74	19.66	19.82	19.60	21.00
15	256QAM	36	0	19.44	19.61	19.44	21.00
15	256QAM	36	20	19.61	19.72	19.57	21.00
15	256QAM	36	39	19.56	19.66	19.54	21.00
15	256QAM	75	0	19.51	19.68	19.57	21.00
Channel				26740	26865	26990	Tune-up limit
Frequency (MHz)				819	831.5	844	(dBm)
10	QPSK	1	0	23.05	23.01	22.88	24.00
10	QPSK	1	25	22.63	22.83	22.63	24.00
10	QPSK	1	49	22.88	22.82	22.57	24.00
10	QPSK	25	0	22.73	22.95	22.69	24.00
10	QPSK	25	12	22.76	22.84	22.76	24.00
10	QPSK	25	25	22.67	22.84	22.67	24.00
10	QPSK	50	0	22.70	22.94	22.69	24.00
10	16QAM	1	0	22.84	22.99	22.79	24.00
10	16QAM	1	25	22.84	23.05	22.80	24.00
10	16QAM	1	49	22.70	22.78	22.60	24.00
10	16QAM	25	0	22.44	22.65	22.35	24.00
10	16QAM	25	12	22.55	22.69	22.55	24.00
10	16QAM	25	25	22.49	22.64	22.31	24.00
10	16QAM	50	0	22.51	22.57	22.44	24.00
10	64QAM	1	0	22.52	22.78	22.54	24.00
10	64QAM	1	25	22.58	22.76	22.55	24.00
10	64QAM	1	49	22.32	22.48	22.35	24.00
10	64QAM	25	0	21.47	21.59	21.34	22.50
10	64QAM	25	12	21.49	21.59	21.34	22.50
10	64QAM	25	25	21.43	21.57	21.40	22.50
10	64QAM	50	0	21.60	21.63	21.30	22.50
10	256QAM	1	0	19.46	19.49	19.37	21.00
10	256QAM	1	25	19.71	19.69	19.52	21.00
10	256QAM	1	49	19.58	19.80	19.59	21.00
10	256QAM	25	0	19.30	19.50	19.34	21.00
10	256QAM	25	12	19.57	19.62	19.47	21.00
10	256QAM	25	25	19.42	19.61	19.47	21.00
10	256QAM	50	0	19.47	19.55	19.42	21.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	22.92	22.96	22.92	24.00
5	QPSK	1	12	22.72	22.80	22.69	24.00
5	QPSK	1	24	22.87	22.88	22.66	24.00
5	QPSK	12	0	22.80	22.88	22.69	24.00
5	QPSK	12	7	22.78	22.88	22.69	24.00
5	QPSK	12	13	22.69	22.79	22.60	24.00
5	QPSK	25	0	22.71	22.93	22.68	24.00
5	16QAM	1	0	22.88	22.99	22.79	24.00
5	16QAM	1	12	22.87	23.02	22.83	24.00
5	16QAM	1	24	22.73	22.90	22.54	24.00
5	16QAM	12	0	22.39	22.51	22.34	24.00
5	16QAM	12	7	22.55	22.70	22.55	24.00
5	16QAM	12	13	22.46	22.55	22.31	24.00
5	16QAM	25	0	22.52	22.67	22.41	24.00
5	64QAM	1	0	22.57	22.76	22.49	24.00
5	64QAM	1	12	22.62	22.82	22.53	24.00
5	64QAM	1	24	22.30	22.53	22.29	24.00
5	64QAM	12	0	21.38	21.49	21.33	22.50
5	64QAM	12	7	21.54	21.67	21.34	22.50
5	64QAM	12	13	21.51	21.57	21.47	22.50
5	64QAM	25	0	21.51	21.59	21.32	22.50
5	256QAM	1	0	19.49	19.54	19.44	21.00
5	256QAM	1	12	19.73	19.72	19.59	21.00
5	256QAM	1	24	19.59	19.77	19.55	21.00
5	256QAM	12	0	19.36	19.56	19.29	21.00
5	256QAM	12	7	19.52	19.68	19.45	21.00
5	256QAM	12	13	19.45	19.59	19.40	21.00
5	256QAM	25	0	19.38	19.61	19.54	21.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	22.98	23.07	22.92	24.00
3	QPSK	1	8	22.67	22.86	22.69	24.00
3	QPSK	1	14	22.75	22.89	22.67	24.00
3	QPSK	8	0	22.78	22.96	22.75	24.00
3	QPSK	8	4	22.67	22.91	22.66	24.00
3	QPSK	8	7	22.73	22.81	22.71	24.00
3	QPSK	15	0	22.74	22.88	22.59	24.00



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3	16QAM	1	0	22.85	23.00	22.86	24.00
3	16QAM	1	8	22.75	23.00	22.74	24.00
3	16QAM	1	14	22.69	22.79	22.61	24.00
3	16QAM	8	0	22.41	22.63	22.40	24.00
3	16QAM	8	4	22.55	22.65	22.44	24.00
3	16QAM	8	7	22.53	22.59	22.33	24.00
3	16QAM	15	0	22.57	22.71	22.40	24.00
3	64QAM	1	0	22.64	22.72	22.53	24.00
3	64QAM	1	8	22.60	22.85	22.56	24.00
3	64QAM	1	14	22.40	22.50	22.30	24.00
3	64QAM	8	0	21.40	21.56	21.31	22.50
3	64QAM	8	4	21.45	21.63	21.34	22.50
3	64QAM	8	7	21.52	21.61	21.47	22.50
3	64QAM	15	0	21.55	21.51	21.37	22.50
3	256QAM	1	0	19.50	19.56	19.43	21.00
3	256QAM	1	8	19.64	19.72	19.52	21.00
3	256QAM	1	14	19.57	19.78	19.47	21.00
3	256QAM	8	0	19.41	19.56	19.33	21.00
3	256QAM	8	4	19.48	19.68	19.44	21.00
3	256QAM	8	7	19.48	19.52	19.39	21.00
3	256QAM	15	0	19.47	19.61	19.50	21.00
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.98	22.97	22.86	24.00
1.4	QPSK	1	3	22.67	22.74	22.72	24.00
1.4	QPSK	1	5	22.89	22.88	22.68	24.00
1.4	QPSK	3	0	22.74	22.91	22.65	24.00
1.4	QPSK	3	1	22.77	22.91	22.76	24.00
1.4	QPSK	3	3	22.79	22.86	22.60	24.00
1.4	QPSK	6	0	21.79	21.82	21.60	23.00
1.4	16QAM	1	0	22.87	23.02	22.82	24.00
1.4	16QAM	1	3	22.82	23.05	22.72	24.00
1.4	16QAM	1	5	22.70	22.90	22.61	24.00
1.4	16QAM	3	0	22.39	22.62	22.43	24.00
1.4	16QAM	3	1	22.47	22.62	22.51	24.00
1.4	16QAM	3	3	22.52	22.56	22.33	24.00
1.4	16QAM	6	0	22.57	22.66	22.34	24.00
1.4	64QAM	1	0	22.62	22.74	22.47	24.00
1.4	64QAM	1	3	22.68	22.80	22.63	24.00
1.4	64QAM	1	5	22.31	22.52	22.32	24.00
1.4	64QAM	3	0	21.45	21.47	21.36	22.50
1.4	64QAM	3	1	21.40	21.55	21.31	22.50
1.4	64QAM	3	3	21.48	21.62	21.39	22.50
1.4	64QAM	6	0	21.54	21.56	21.33	22.50
1.4	256QAM	1	0	19.51	19.57	19.42	21.00
1.4	256QAM	1	3	19.72	19.75	19.61	21.00
1.4	256QAM	1	5	19.60	19.76	19.53	21.00
1.4	256QAM	3	0	19.40	19.49	19.29	21.00
1.4	256QAM	3	1	19.57	19.69	19.49	21.00
1.4	256QAM	3	3	19.54	19.57	19.52	21.00
1.4	256QAM	6	0	19.44	19.57	19.46	21.00

【LTE Band 26_FCC (814~849MHz)_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	18.79	18.83	18.77	19.90
15	QPSK	1	37	18.72	18.69	18.68	19.90
15	QPSK	1	74	18.70	18.78	18.65	19.90
15	QPSK	36	0	18.79	18.81	18.69	19.90
15	QPSK	36	20	18.64	18.80	18.78	19.90
15	QPSK	36	39	18.64	18.69	18.74	19.90
15	QPSK	75	0	18.68	18.67	18.71	19.90
15	16QAM	1	0	18.73	18.69	18.79	19.90
15	16QAM	1	37	18.79	18.80	18.76	19.90
15	16QAM	1	74	18.82	18.73	18.71	19.90
15	16QAM	36	0	18.64	18.63	18.70	19.90
15	16QAM	36	20	18.72	18.74	18.66	19.90



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15	16QAM	36	39	18.62	18.59	18.79	19.90
15	16QAM	75	0	18.66	18.75	18.66	19.90
15	64QAM	1	0	18.80	18.70	18.63	19.90
15	64QAM	1	37	18.78	18.68	18.63	19.90
15	64QAM	1	74	18.58	18.77	18.66	19.90
15	64QAM	36	0	18.59	18.61	18.82	19.90
15	64QAM	36	20	18.63	18.74	18.76	19.90
15	64QAM	36	39	18.59	18.64	18.78	19.90
15	64QAM	75	0	18.81	18.66	18.62	19.90
15	256QAM	1	0	18.63	18.74	18.59	19.90
15	256QAM	1	37	18.62	18.71	18.77	19.90
15	256QAM	1	74	18.72	18.69	18.68	19.90
15	256QAM	36	0	18.70	18.78	18.65	19.90
15	256QAM	36	20	18.79	18.79	18.69	19.90
15	256QAM	36	39	18.64	18.80	18.78	19.90
15	256QAM	75	0	18.64	18.69	18.74	19.90
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	18.50	18.73	18.68	19.90
10	QPSK	1	25	18.59	18.68	18.57	19.90
10	QPSK	1	49	18.65	18.72	18.61	19.90
10	QPSK	25	0	18.67	18.74	18.65	19.90
10	QPSK	25	12	18.57	18.71	18.76	19.90
10	QPSK	25	25	18.62	18.55	18.63	19.90
10	QPSK	50	0	18.61	18.62	18.60	19.90
10	16QAM	1	0	18.65	18.62	18.74	19.90
10	16QAM	1	25	18.67	18.66	18.72	19.90
10	16QAM	1	49	18.70	18.68	18.59	19.90
10	16QAM	25	0	18.60	18.59	18.61	19.90
10	16QAM	25	12	18.64	18.63	18.64	19.90
10	16QAM	25	25	18.54	18.57	18.76	19.90
10	16QAM	50	0	18.56	18.69	18.61	19.90
10	64QAM	1	0	18.68	18.61	18.51	19.90
10	64QAM	1	25	18.67	18.65	18.55	19.90
10	64QAM	1	49	18.49	18.62	18.55	19.90
10	64QAM	25	0	18.51	18.58	18.68	19.90
10	64QAM	25	12	18.51	18.69	18.70	19.90
10	64QAM	25	25	18.57	18.54	18.73	19.90
10	64QAM	50	0	18.66	18.51	18.50	19.90
10	256QAM	1	0	18.49	18.60	18.49	19.90
10	256QAM	1	25	18.55	18.64	18.66	19.90
10	256QAM	1	49	18.66	18.57	18.54	19.90
10	256QAM	25	0	18.66	18.66	18.57	19.90
10	256QAM	25	12	18.71	18.67	18.64	19.90
10	256QAM	25	25	18.54	18.76	18.68	19.90
10	256QAM	50	0	18.54	18.68	18.69	19.90
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	18.53	18.71	18.66	19.90
5	QPSK	1	12	18.68	18.59	18.58	19.90
5	QPSK	1	24	18.60	18.69	18.54	19.90
5	QPSK	12	0	18.66	18.75	18.65	19.90
5	QPSK	12	7	18.57	18.73	18.76	19.90
5	QPSK	12	13	18.54	18.55	18.61	19.90
5	QPSK	25	0	18.61	18.56	18.64	19.90
5	16QAM	1	0	18.66	18.58	18.64	19.90
5	16QAM	1	12	18.66	18.75	18.69	19.90
5	16QAM	1	24	18.72	18.60	18.69	19.90
5	16QAM	12	0	18.59	18.57	18.60	19.90
5	16QAM	12	7	18.69	18.61	18.53	19.90
5	16QAM	12	13	18.52	18.51	18.76	19.90
5	16QAM	25	0	18.63	18.68	18.54	19.90
5	64QAM	1	0	18.79	18.62	18.56	19.90
5	64QAM	1	12	18.63	18.54	18.61	19.90
5	64QAM	1	24	18.51	18.68	18.62	19.90
5	64QAM	12	0	18.46	18.59	18.69	19.90
5	64QAM	12	7	18.54	18.60	18.69	19.90
5	64QAM	12	13	18.54	18.49	18.70	19.90
5	64QAM	25	0	18.69	18.60	18.57	19.90
5	256QAM	1	0	18.52	18.68	18.53	19.90
5	256QAM	1	12	18.48	18.68	18.69	19.90
5	256QAM	1	24	18.58	18.65	18.59	19.90
5	256QAM	12	0	18.64	18.74	18.58	19.90
5	256QAM	12	7	18.67	18.77	18.56	19.90



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5	256QAM	12	13	18.56	18.78	18.63	19.90
5	256QAM	25	0	18.50	18.59	18.66	19.90
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	18.56	18.72	18.67	19.90
3	QPSK	1	8	18.60	18.63	18.62	19.90
3	QPSK	1	14	18.60	18.69	18.53	19.90
3	QPSK	8	0	18.70	18.75	18.55	19.90
3	QPSK	8	4	18.62	18.65	18.75	19.90
3	QPSK	8	7	18.50	18.66	18.65	19.90
3	QPSK	15	0	18.64	18.59	18.67	19.90
3	16QAM	1	0	18.63	18.60	18.71	19.90
3	16QAM	1	8	18.70	18.76	18.64	19.90
3	16QAM	1	14	18.72	18.66	18.65	19.90
3	16QAM	8	0	18.59	18.52	18.60	19.90
3	16QAM	8	4	18.57	18.61	18.54	19.90
3	16QAM	8	7	18.56	18.52	18.72	19.90
3	16QAM	15	0	18.62	18.65	18.51	19.90
3	64QAM	1	0	18.68	18.68	18.53	19.90
3	64QAM	1	8	18.76	18.55	18.60	19.90
3	64QAM	1	14	18.52	18.67	18.53	19.90
3	64QAM	8	0	18.54	18.47	18.72	19.90
3	64QAM	8	4	18.57	18.72	18.72	19.90
3	64QAM	8	7	18.47	18.60	18.66	19.90
3	64QAM	15	0	18.66	18.61	18.51	19.90
3	256QAM	1	0	18.60	18.62	18.46	19.90
3	256QAM	1	8	18.55	18.58	18.72	19.90
3	256QAM	1	14	18.60	18.55	18.55	19.90
3	256QAM	8	0	18.56	18.67	18.51	19.90
3	256QAM	8	4	18.69	18.76	18.66	19.90
3	256QAM	8	7	18.51	18.78	18.73	19.90
3	256QAM	15	0	18.55	18.67	18.67	19.90
Channel				26697	26865	27033	Tune-up limit
Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	18.48	18.80	18.75	19.90
1.4	QPSK	1	3	18.68	18.63	18.63	19.90
1.4	QPSK	1	5	18.63	18.70	18.62	19.90
1.4	QPSK	3	0	18.70	18.67	18.60	19.90
1.4	QPSK	3	1	18.51	18.67	18.63	19.90
1.4	QPSK	3	3	18.62	18.59	18.66	19.90
1.4	QPSK	6	0	18.66	18.56	18.63	19.90
1.4	16QAM	1	0	18.64	18.55	18.67	19.90
1.4	16QAM	1	3	18.74	18.68	18.74	19.90
1.4	16QAM	1	5	18.70	18.64	18.58	19.90
1.4	16QAM	3	0	18.58	18.60	18.69	19.90
1.4	16QAM	3	1	18.61	18.63	18.61	19.90
1.4	16QAM	3	3	18.60	18.57	18.74	19.90
1.4	16QAM	6	0	18.64	18.67	18.58	19.90
1.4	64QAM	1	0	18.75	18.68	18.53	19.90
1.4	64QAM	1	3	18.74	18.62	18.48	19.90
1.4	64QAM	1	5	18.45	18.67	18.62	19.90
1.4	64QAM	3	0	18.57	18.51	18.78	19.90
1.4	64QAM	3	1	18.50	18.67	18.73	19.90
1.4	64QAM	3	3	18.45	18.54	18.74	19.90
1.4	64QAM	6	0	18.71	18.59	18.52	19.90
1.4	256QAM	1	0	18.58	18.60	18.52	19.90
1.4	256QAM	1	3	18.57	18.61	18.71	19.90
1.4	256QAM	1	5	18.64	18.62	18.61	19.90
1.4	256QAM	3	0	18.58	18.70	18.53	19.90
1.4	256QAM	3	1	18.67	18.66	18.67	19.90
1.4	256QAM	3	3	18.58	18.74	18.66	19.90
1.4	256QAM	6	0	18.62	18.56	18.60	19.90



【LTE Band 38_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.49	23.49	23.31	24.00
20	QPSK	1	49	23.20	23.44	23.28	24.00
20	QPSK	1	99	23.21	23.21	23.18	24.00
20	QPSK	50	0	22.32	22.54	22.30	23.00
20	QPSK	50	24	22.30	22.44	22.26	23.00
20	QPSK	50	50	22.38	22.43	22.16	23.00
20	QPSK	100	0	22.30	22.30	22.20	23.00
20	16QAM	1	0	22.40	22.31	22.30	23.00
20	16QAM	1	49	22.35	22.33	21.99	23.00
20	16QAM	1	99	22.19	22.34	22.31	23.00
20	16QAM	50	0	21.32	21.42	21.12	22.00
20	16QAM	50	24	21.10	21.33	20.99	22.00
20	16QAM	50	50	21.19	21.24	21.31	22.00
20	16QAM	100	0	21.16	21.43	21.11	22.00
20	64QAM	1	0	21.35	21.38	21.10	22.00
20	64QAM	1	49	21.22	21.35	21.06	22.00
20	64QAM	1	99	21.25	21.36	21.19	22.00
20	64QAM	50	0	20.36	20.42	20.39	21.00
20	64QAM	50	24	20.36	20.47	20.28	21.00
20	64QAM	50	50	20.43	20.42	20.12	21.00
20	64QAM	100	0	20.27	20.25	20.20	21.00
20	256QAM	1	0	18.37	18.39	18.24	19.00
20	256QAM	1	49	18.46	18.35	18.38	19.00
20	256QAM	1	99	18.28	18.41	18.19	19.00
20	256QAM	50	0	18.15	18.35	18.23	19.00
20	256QAM	50	24	18.26	18.32	18.12	19.00
20	256QAM	50	50	18.30	18.33	18.15	19.00
20	256QAM	100	0	18.15	18.38	17.99	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.36	23.42	23.17	24.00
15	QPSK	1	37	23.19	23.32	23.16	24.00
15	QPSK	1	74	23.08	23.13	23.15	24.00
15	QPSK	36	0	22.24	22.42	22.19	23.00
15	QPSK	36	20	22.16	22.42	22.21	23.00
15	QPSK	36	39	22.36	22.40	22.04	23.00
15	QPSK	75	0	22.20	22.22	22.07	23.00
15	16QAM	1	0	22.33	22.23	22.19	23.00
15	16QAM	1	37	22.20	22.23	21.98	23.00
15	16QAM	1	74	22.14	22.26	22.22	23.00
15	16QAM	36	0	21.28	21.34	21.05	22.00
15	16QAM	36	20	20.99	21.23	20.86	22.00
15	16QAM	36	39	21.17	21.14	21.17	22.00
15	16QAM	75	0	21.14	21.30	20.97	22.00
15	64QAM	1	0	21.33	21.28	21.07	22.00
15	64QAM	1	37	21.17	21.30	21.03	22.00
15	64QAM	1	74	21.19	21.23	21.09	22.00
15	64QAM	36	0	20.27	20.31	20.30	21.00
15	64QAM	36	20	20.26	20.45	20.17	21.00
15	64QAM	36	39	20.40	20.28	20.10	21.00
15	64QAM	75	0	20.15	20.24	20.06	21.00
15	256QAM	1	0	18.33	18.31	18.16	19.00
15	256QAM	1	37	18.38	18.22	18.29	19.00
15	256QAM	1	74	18.24	18.35	18.11	19.00
15	256QAM	36	0	18.14	18.27	18.09	19.00
15	256QAM	36	20	18.19	18.19	18.09	19.00
15	256QAM	36	39	18.24	18.22	18.01	19.00
15	256QAM	75	0	18.08	18.28	17.95	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.43	23.43	23.18	24.00
10	QPSK	1	25	23.15	23.35	23.25	24.00
10	QPSK	1	49	23.09	23.12	23.04	24.00
10	QPSK	25	0	22.18	22.52	22.16	23.00
10	QPSK	25	12	22.22	22.32	22.12	23.00
10	QPSK	25	25	22.34	22.38	22.11	23.00
10	QPSK	50	0	22.19	22.26	22.07	23.00



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10	16QAM	1	0	22.38	22.18	22.19	23.00
10	16QAM	1	25	22.25	22.23	21.88	23.00
10	16QAM	1	49	22.17	22.28	22.29	23.00
10	16QAM	25	0	21.19	21.35	21.09	22.00
10	16QAM	25	12	21.01	21.23	20.91	22.00
10	16QAM	25	25	21.18	21.10	21.22	22.00
10	16QAM	50	0	21.10	21.31	20.97	22.00
10	64QAM	1	0	21.23	21.25	21.02	22.00
10	64QAM	1	25	21.08	21.33	20.93	22.00
10	64QAM	1	49	21.21	21.28	21.05	22.00
10	64QAM	25	0	20.21	20.33	20.27	21.00
10	64QAM	25	12	20.33	20.39	20.24	21.00
10	64QAM	25	25	20.33	20.34	20.05	21.00
10	64QAM	50	0	20.25	20.15	20.14	21.00
10	256QAM	1	0	18.34	18.25	18.14	19.00
10	256QAM	1	25	18.43	18.31	18.35	19.00
10	256QAM	1	49	18.13	18.27	18.16	19.00
10	256QAM	25	0	18.03	18.30	18.09	19.00
10	256QAM	25	12	18.14	18.23	17.99	19.00
10	256QAM	25	25	18.19	18.27	18.02	19.00
10	256QAM	50	0	18.10	18.26	17.85	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.35	23.47	23.21	24.00
5	QPSK	1	12	23.09	23.38	23.19	24.00
5	QPSK	1	24	23.09	23.12	23.13	24.00
5	QPSK	12	0	22.19	22.39	22.25	23.00
5	QPSK	12	7	22.24	22.35	22.24	23.00
5	QPSK	12	13	22.28	22.30	22.15	23.00
5	QPSK	25	0	22.25	22.26	22.06	23.00
5	16QAM	1	0	22.37	22.21	22.20	23.00
5	16QAM	1	12	22.24	22.30	21.85	23.00
5	16QAM	1	24	22.12	22.22	22.16	23.00
5	16QAM	12	0	21.29	21.34	21.06	22.00
5	16QAM	12	7	21.00	21.19	20.86	22.00
5	16QAM	12	13	21.14	21.20	21.23	22.00
5	16QAM	25	0	21.05	21.32	21.09	22.00
5	64QAM	1	0	21.21	21.33	21.04	22.00
5	64QAM	1	12	21.11	21.21	20.91	22.00
5	64QAM	1	24	21.14	21.26	21.14	22.00
5	64QAM	12	0	20.34	20.33	20.35	21.00
5	64QAM	12	7	20.31	20.32	20.23	21.00
5	64QAM	12	13	20.31	20.38	20.09	21.00
5	64QAM	25	0	20.22	20.14	20.15	21.00
5	256QAM	1	0	18.24	18.29	18.12	19.00
5	256QAM	1	12	18.42	18.33	18.36	19.00
5	256QAM	1	24	18.17	18.26	18.09	19.00
5	256QAM	12	0	18.12	18.24	18.12	19.00
5	256QAM	12	7	18.21	18.21	18.09	19.00
5	256QAM	12	13	18.23	18.20	18.00	19.00
5	256QAM	25	0	18.08	18.30	17.94	19.00

【LTE Band 38_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.75	19.79	19.66	20.60
20	QPSK	1	49	19.60	19.74	19.43	20.60
20	QPSK	1	99	19.55	19.76	19.43	20.60
20	QPSK	50	0	19.50	19.75	19.51	20.60
20	QPSK	50	24	19.49	19.68	19.36	20.60
20	QPSK	50	50	19.37	19.60	19.28	20.60
20	QPSK	100	0	19.48	19.54	19.43	20.60
20	16QAM	1	0	19.36	19.61	19.41	20.60
20	16QAM	1	49	19.39	19.76	19.36	20.60
20	16QAM	1	99	19.35	19.64	19.39	20.60
20	16QAM	50	0	19.60	19.56	19.57	20.60
20	16QAM	50	24	19.56	19.68	19.47	20.60



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20	16QAM	50	50	19.49	19.54	19.41	20.60
20	16QAM	100	0	19.57	19.70	19.52	20.60
20	64QAM	1	0	19.37	19.72	19.39	20.60
20	64QAM	1	49	19.49	19.76	19.51	20.60
20	64QAM	1	99	19.53	19.75	19.41	20.60
20	64QAM	50	0	19.36	19.72	19.42	20.60
20	64QAM	50	24	19.55	19.59	19.52	20.60
20	64QAM	50	50	19.64	19.66	19.36	20.60
20	64QAM	100	0	19.62	19.64	19.57	20.60
20	256QAM	1	0	18.00	18.23	17.96	19.00
20	256QAM	1	49	18.05	18.01	17.89	19.00
20	256QAM	1	99	17.93	18.05	18.03	19.00
20	256QAM	50	0	18.03	18.02	17.90	19.00
20	256QAM	50	24	17.77	18.13	17.86	19.00
20	256QAM	50	50	18.11	18.11	17.97	19.00
20	256QAM	100	0	17.87	18.05	17.72	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.65	19.72	19.58	20.60
15	QPSK	1	37	19.59	19.71	19.29	20.60
15	QPSK	1	74	19.46	19.63	19.29	20.60
15	QPSK	36	0	19.39	19.65	19.45	20.60
15	QPSK	36	20	19.41	19.58	19.27	20.60
15	QPSK	36	39	19.23	19.51	19.22	20.60
15	QPSK	75	0	19.35	19.50	19.34	20.60
15	16QAM	1	0	19.32	19.59	19.31	20.60
15	16QAM	1	37	19.31	19.70	19.29	20.60
15	16QAM	1	74	19.24	19.54	19.37	20.60
15	16QAM	36	0	19.49	19.45	19.43	20.60
15	16QAM	36	20	19.51	19.67	19.32	20.60
15	16QAM	36	39	19.46	19.45	19.26	20.60
15	16QAM	75	0	19.50	19.63	19.42	20.60
15	64QAM	1	0	19.29	19.68	19.37	20.60
15	64QAM	1	37	19.42	19.72	19.37	20.60
15	64QAM	1	74	19.39	19.72	19.37	20.60
15	64QAM	36	0	19.30	19.60	19.31	20.60
15	64QAM	36	20	19.47	19.53	19.51	20.60
15	64QAM	36	39	19.56	19.60	19.34	20.60
15	64QAM	75	0	19.60	19.61	19.51	20.60
15	256QAM	1	0	17.90	18.14	17.95	19.00
15	256QAM	1	37	17.96	17.96	17.78	19.00
15	256QAM	1	74	17.81	18.00	17.98	19.00
15	256QAM	36	0	17.94	17.91	17.79	19.00
15	256QAM	36	20	17.69	18.02	17.78	19.00
15	256QAM	36	39	18.01	17.98	17.94	19.00
15	256QAM	75	0	17.83	17.96	17.62	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.73	19.76	19.56	20.60
10	QPSK	1	25	19.46	19.64	19.33	20.60
10	QPSK	1	49	19.50	19.74	19.33	20.60
10	QPSK	25	0	19.46	19.64	19.42	20.60
10	QPSK	25	12	19.35	19.62	19.24	20.60
10	QPSK	25	25	19.23	19.57	19.15	20.60
10	QPSK	50	0	19.43	19.51	19.35	20.60
10	16QAM	1	0	19.23	19.47	19.34	20.60
10	16QAM	1	25	19.36	19.68	19.35	20.60
10	16QAM	1	49	19.30	19.54	19.27	20.60
10	16QAM	25	0	19.45	19.41	19.43	20.60
10	16QAM	25	12	19.53	19.55	19.37	20.60
10	16QAM	25	25	19.45	19.48	19.30	20.60
10	16QAM	50	0	19.45	19.56	19.39	20.60
10	64QAM	1	0	19.33	19.59	19.35	20.60
10	64QAM	1	25	19.42	19.62	19.49	20.60
10	64QAM	1	49	19.45	19.72	19.31	20.60
10	64QAM	25	0	19.33	19.66	19.40	20.60
10	64QAM	25	12	19.41	19.56	19.46	20.60
10	64QAM	25	25	19.61	19.59	19.28	20.60
10	64QAM	50	0	19.51	19.54	19.50	20.60
10	256QAM	1	0	17.98	18.14	17.82	19.00
10	256QAM	1	25	17.94	17.94	17.75	19.00
10	256QAM	1	49	17.84	18.03	17.98	19.00
10	256QAM	25	0	18.00	17.96	17.86	19.00
10	256QAM	25	12	17.69	18.00	17.75	19.00



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10	256QAM	25	25	17.97	18.01	17.95	19.00
10	256QAM	50	0	17.74	17.94	17.64	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.72	19.77	19.53	20.60
5	QPSK	1	12	19.52	19.60	19.38	20.60
5	QPSK	1	24	19.51	19.65	19.29	20.60
5	QPSK	12	0	19.44	19.65	19.38	20.60
5	QPSK	12	7	19.43	19.65	19.22	20.60
5	QPSK	12	13	19.27	19.46	19.26	20.60
5	QPSK	25	0	19.47	19.41	19.39	20.60
5	16QAM	1	0	19.25	19.58	19.35	20.60
5	16QAM	1	12	19.34	19.74	19.28	20.60
5	16QAM	1	24	19.22	19.61	19.36	20.60
5	16QAM	12	0	19.57	19.49	19.55	20.60
5	16QAM	12	7	19.52	19.61	19.38	20.60
5	16QAM	12	13	19.40	19.52	19.39	20.60
5	16QAM	25	0	19.53	19.60	19.38	20.60
5	64QAM	1	0	19.23	19.57	19.27	20.60
5	64QAM	1	12	19.35	19.74	19.42	20.60
5	64QAM	1	24	19.49	19.70	19.27	20.60
5	64QAM	12	0	19.26	19.62	19.30	20.60
5	64QAM	12	7	19.50	19.52	19.46	20.60
5	64QAM	12	13	19.60	19.51	19.25	20.60
5	64QAM	25	0	19.59	19.54	19.44	20.60
5	256QAM	1	0	17.94	18.12	17.86	19.00
5	256QAM	1	12	17.90	18.00	17.82	19.00
5	256QAM	1	24	17.89	18.00	18.00	19.00
5	256QAM	12	0	17.90	17.98	17.87	19.00
5	256QAM	12	7	17.71	18.09	17.84	19.00
5	256QAM	12	13	17.99	18.04	17.91	19.00
5	256QAM	25	0	17.74	17.93	17.58	19.00

【LTE Band 38_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.14	21.25	21.09	22.30
20	QPSK	1	49	21.17	21.18	21.07	22.30
20	QPSK	1	99	21.11	21.11	20.96	22.30
20	QPSK	50	0	21.07	21.14	21.14	22.30
20	QPSK	50	24	21.06	21.08	20.92	22.30
20	QPSK	50	50	20.99	21.04	20.97	22.30
20	QPSK	100	0	21.02	21.10	21.10	22.30
20	16QAM	1	0	20.97	21.06	20.92	22.30
20	16QAM	1	49	21.13	21.05	20.98	22.30
20	16QAM	1	99	20.95	21.08	20.90	22.30
20	16QAM	50	0	20.71	20.96	20.69	22.00
20	16QAM	50	24	20.81	20.96	20.79	22.00
20	16QAM	50	50	20.74	20.91	20.66	22.00
20	16QAM	100	0	21.89	21.94	21.70	22.00
20	64QAM	1	0	21.83	21.92	21.72	22.00
20	64QAM	1	49	20.74	20.95	20.68	22.00
20	64QAM	1	99	20.77	20.90	20.58	22.00
20	64QAM	50	0	19.81	19.88	19.74	21.00
20	64QAM	50	24	19.67	19.85	19.69	21.00
20	64QAM	50	50	19.79	19.84	19.66	21.00
20	64QAM	100	0	19.92	19.92	19.90	21.00
20	256QAM	1	0	17.87	17.85	17.81	19.00
20	256QAM	1	49	17.77	17.88	17.79	19.00
20	256QAM	1	99	17.83	17.87	17.69	19.00
20	256QAM	50	0	17.79	17.94	17.64	19.00
20	256QAM	50	24	17.70	17.75	17.61	19.00
20	256QAM	50	50	17.72	17.74	17.68	19.00
20	256QAM	100	0	17.67	17.88	17.64	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.03	21.20	20.98	22.30



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15	QPSK	1	37	21.02	21.08	20.99	22.30
15	QPSK	1	74	21.02	20.97	20.86	22.30
15	QPSK	36	0	20.98	21.11	21.10	22.30
15	QPSK	36	20	21.03	20.98	20.88	22.30
15	QPSK	36	39	20.86	20.96	20.92	22.30
15	QPSK	75	0	20.99	21.01	21.07	22.30
15	16QAM	1	0	20.88	20.95	20.88	22.30
15	16QAM	1	37	21.00	20.92	20.90	22.30
15	16QAM	1	74	20.89	21.01	20.77	22.30
15	16QAM	36	0	20.57	20.93	20.58	22.00
15	16QAM	36	20	20.74	20.83	20.65	22.00
15	16QAM	36	39	20.72	20.87	20.60	22.00
15	16QAM	75	0	21.80	21.89	21.61	22.00
15	64QAM	1	0	21.76	21.90	21.57	22.00
15	64QAM	1	37	20.70	20.84	20.55	22.00
15	64QAM	1	74	20.63	20.84	20.45	22.00
15	64QAM	36	0	19.73	19.77	19.69	21.00
15	64QAM	36	20	19.57	19.74	19.57	21.00
15	64QAM	36	39	19.72	19.70	19.58	21.00
15	64QAM	75	0	19.78	19.84	19.87	21.00
15	256QAM	1	0	17.84	17.81	17.72	19.00
15	256QAM	1	37	17.74	17.77	17.70	19.00
15	256QAM	1	74	17.77	17.85	17.55	19.00
15	256QAM	36	0	17.77	17.91	17.61	19.00
15	256QAM	36	20	17.57	17.63	17.56	19.00
15	256QAM	36	39	17.65	17.62	17.65	19.00
15	256QAM	75	0	17.53	17.86	17.56	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	21.00	21.17	21.05	22.30
10	QPSK	1	25	21.09	21.11	20.97	22.30
10	QPSK	1	49	20.98	21.03	20.86	22.30
10	QPSK	25	0	20.97	21.02	21.07	22.30
10	QPSK	25	12	21.02	20.93	20.84	22.30
10	QPSK	25	25	20.98	20.98	20.94	22.30
10	QPSK	50	0	20.95	21.03	20.96	22.30
10	16QAM	1	0	20.93	21.02	20.78	22.30
10	16QAM	1	25	21.07	20.99	20.97	22.30
10	16QAM	1	49	20.94	20.97	20.81	22.30
10	16QAM	25	0	20.69	20.86	20.64	22.00
10	16QAM	25	12	20.78	20.90	20.74	22.00
10	16QAM	25	25	20.69	20.84	20.58	22.00
10	16QAM	50	0	21.86	21.86	21.55	22.00
10	64QAM	1	0	21.70	21.77	21.61	22.00
10	64QAM	1	25	20.69	20.83	20.62	22.00
10	64QAM	1	49	20.64	20.87	20.45	22.00
10	64QAM	25	0	19.77	19.86	19.63	21.00
10	64QAM	25	12	19.57	19.81	19.61	21.00
10	64QAM	25	25	19.71	19.83	19.56	21.00
10	64QAM	50	0	19.78	19.80	19.87	21.00
10	256QAM	1	0	17.75	17.80	17.67	19.00
10	256QAM	1	25	17.71	17.84	17.70	19.00
10	256QAM	1	49	17.74	17.77	17.61	19.00
10	256QAM	25	0	17.69	17.81	17.52	19.00
10	256QAM	25	12	17.59	17.69	17.50	19.00
10	256QAM	25	25	17.68	17.65	17.55	19.00
10	256QAM	50	0	17.59	17.86	17.56	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	21.05	21.11	20.98	22.30
5	QPSK	1	12	21.16	21.06	21.03	22.30
5	QPSK	1	24	21.01	21.04	20.81	22.30
5	QPSK	12	0	21.01	21.08	21.12	22.30
5	QPSK	12	7	21.02	20.95	20.88	22.30
5	QPSK	12	13	20.96	20.95	20.85	22.30
5	QPSK	25	0	20.94	21.03	21.03	22.30
5	16QAM	1	0	20.82	21.03	20.88	22.30
5	16QAM	1	12	21.09	20.94	20.87	22.30
5	16QAM	1	24	20.85	21.03	20.79	22.30
5	16QAM	12	0	20.64	20.88	20.58	22.00
5	16QAM	12	7	20.72	20.93	20.66	22.00
5	16QAM	12	13	20.65	20.89	20.57	22.00
5	16QAM	25	0	21.82	21.80	21.57	22.00
5	64QAM	1	0	21.78	21.89	21.63	22.00



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5	64QAM	1	12	20.66	20.81	20.67	22.00
5	64QAM	1	24	20.73	20.84	20.51	22.00
5	64QAM	12	0	19.71	19.85	19.61	21.00
5	64QAM	12	7	19.60	19.72	19.62	21.00
5	64QAM	12	13	19.76	19.78	19.62	21.00
5	64QAM	25	0	19.77	19.84	19.83	21.00
5	256QAM	1	0	17.74	17.72	17.71	19.00
5	256QAM	1	12	17.70	17.84	17.73	19.00
5	256QAM	1	24	17.75	17.81	17.66	19.00
5	256QAM	12	0	17.71	17.91	17.56	19.00
5	256QAM	12	7	17.67	17.67	17.52	19.00
5	256QAM	12	13	17.59	17.71	17.55	19.00
5	256QAM	25	0	17.58	17.84	17.57	19.00

【LTE Band 38_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.49	23.49	23.31	24.00
20	QPSK	1	49	23.20	23.44	23.28	24.00
20	QPSK	1	99	23.21	23.21	23.18	24.00
20	QPSK	50	0	22.32	22.54	22.30	23.00
20	QPSK	50	24	22.30	22.44	22.26	23.00
20	QPSK	50	50	22.38	22.43	22.16	23.00
20	QPSK	100	0	22.30	22.30	22.20	23.00
20	16QAM	1	0	22.40	22.31	22.30	23.00
20	16QAM	1	49	22.35	22.33	21.99	23.00
20	16QAM	1	99	22.19	22.34	22.31	23.00
20	16QAM	50	0	21.32	21.42	21.12	22.00
20	16QAM	50	24	21.10	21.33	20.99	22.00
20	16QAM	50	50	21.19	21.24	21.31	22.00
20	16QAM	100	0	21.16	21.43	21.11	22.00
20	64QAM	1	0	21.35	21.38	21.10	22.00
20	64QAM	1	49	21.22	21.35	21.06	22.00
20	64QAM	1	99	21.25	21.36	21.19	22.00
20	64QAM	50	0	20.36	20.42	20.39	21.00
20	64QAM	50	24	20.36	20.47	20.28	21.00
20	64QAM	50	50	20.43	20.42	20.12	21.00
20	64QAM	100	0	20.27	20.25	20.20	21.00
20	256QAM	1	0	18.37	18.39	18.24	19.00
20	256QAM	1	49	18.46	18.35	18.38	19.00
20	256QAM	1	99	18.28	18.41	18.19	19.00
20	256QAM	50	0	18.15	18.35	18.23	19.00
20	256QAM	50	24	18.26	18.32	18.12	19.00
20	256QAM	50	50	18.30	18.33	18.15	19.00
20	256QAM	100	0	18.15	18.38	17.99	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.36	23.42	23.17	24.00
15	QPSK	1	37	23.19	23.32	23.16	24.00
15	QPSK	1	74	23.08	23.13	23.15	24.00
15	QPSK	36	0	22.24	22.42	22.19	23.00
15	QPSK	36	20	22.16	22.42	22.21	23.00
15	QPSK	36	39	22.36	22.40	22.04	23.00
15	QPSK	75	0	22.20	22.22	22.07	23.00
15	16QAM	1	0	22.33	22.23	22.19	23.00
15	16QAM	1	37	22.20	22.23	21.98	23.00
15	16QAM	1	74	22.14	22.26	22.22	23.00
15	16QAM	36	0	21.28	21.34	21.05	22.00
15	16QAM	36	20	20.99	21.23	20.86	22.00
15	16QAM	36	39	21.17	21.14	21.17	22.00
15	16QAM	75	0	21.14	21.30	20.97	22.00
15	64QAM	1	0	21.33	21.28	21.07	22.00
15	64QAM	1	37	21.17	21.30	21.03	22.00
15	64QAM	1	74	21.19	21.23	21.09	22.00
15	64QAM	36	0	20.27	20.31	20.30	21.00
15	64QAM	36	20	20.26	20.45	20.17	21.00
15	64QAM	36	39	20.40	20.28	20.10	21.00



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15	64QAM	75	0	20.15	20.24	20.06	21.00
15	256QAM	1	0	18.33	18.31	18.16	19.00
15	256QAM	1	37	18.38	18.22	18.29	19.00
15	256QAM	1	74	18.24	18.35	18.11	19.00
15	256QAM	36	0	18.14	18.27	18.09	19.00
15	256QAM	36	20	18.19	18.19	18.09	19.00
15	256QAM	36	39	18.24	18.22	18.01	19.00
15	256QAM	75	0	18.08	18.28	17.95	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.43	23.43	23.18	24.00
10	QPSK	1	25	23.15	23.35	23.25	24.00
10	QPSK	1	49	23.09	23.12	23.04	24.00
10	QPSK	25	0	22.18	22.52	22.16	23.00
10	QPSK	25	12	22.22	22.32	22.12	23.00
10	QPSK	25	25	22.34	22.38	22.11	23.00
10	QPSK	50	0	22.19	22.26	22.07	23.00
10	16QAM	1	0	22.38	22.18	22.19	23.00
10	16QAM	1	25	22.25	22.23	21.88	23.00
10	16QAM	1	49	22.17	22.28	22.29	23.00
10	16QAM	25	0	21.19	21.35	21.09	22.00
10	16QAM	25	12	21.01	21.23	20.91	22.00
10	16QAM	25	25	21.18	21.10	21.22	22.00
10	16QAM	50	0	21.10	21.31	20.97	22.00
10	64QAM	1	0	21.23	21.25	21.02	22.00
10	64QAM	1	25	21.08	21.33	20.93	22.00
10	64QAM	1	49	21.21	21.28	21.05	22.00
10	64QAM	25	0	20.21	20.33	20.27	21.00
10	64QAM	25	12	20.33	20.39	20.24	21.00
10	64QAM	25	25	20.33	20.34	20.05	21.00
10	64QAM	50	0	20.25	20.15	20.14	21.00
10	256QAM	1	0	18.34	18.25	18.14	19.00
10	256QAM	1	25	18.43	18.31	18.35	19.00
10	256QAM	1	49	18.13	18.27	18.16	19.00
10	256QAM	25	0	18.03	18.30	18.09	19.00
10	256QAM	25	12	18.14	18.23	17.99	19.00
10	256QAM	25	25	18.19	18.27	18.02	19.00
10	256QAM	50	0	18.10	18.26	17.85	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.35	23.47	23.21	24.00
5	QPSK	1	12	23.09	23.38	23.19	24.00
5	QPSK	1	24	23.09	23.12	23.13	24.00
5	QPSK	12	0	22.19	22.39	22.25	23.00
5	QPSK	12	7	22.24	22.35	22.24	23.00
5	QPSK	12	13	22.28	22.30	22.15	23.00
5	QPSK	25	0	22.25	22.26	22.06	23.00
5	16QAM	1	0	22.37	22.21	22.20	23.00
5	16QAM	1	12	22.24	22.30	21.85	23.00
5	16QAM	1	24	22.12	22.22	22.16	23.00
5	16QAM	12	0	21.29	21.34	21.06	22.00
5	16QAM	12	7	21.00	21.19	20.86	22.00
5	16QAM	12	13	21.14	21.20	21.23	22.00
5	16QAM	25	0	21.05	21.32	21.09	22.00
5	64QAM	1	0	21.21	21.33	21.04	22.00
5	64QAM	1	12	21.11	21.21	20.91	22.00
5	64QAM	1	24	21.14	21.26	21.14	22.00
5	64QAM	12	0	20.34	20.33	20.35	21.00
5	64QAM	12	7	20.31	20.32	20.23	21.00
5	64QAM	12	13	20.31	20.38	20.09	21.00
5	64QAM	25	0	20.22	20.14	20.15	21.00
5	256QAM	1	0	18.24	18.29	18.12	19.00
5	256QAM	1	12	18.42	18.33	18.36	19.00
5	256QAM	1	24	18.17	18.26	18.09	19.00
5	256QAM	12	0	18.12	18.24	18.12	19.00
5	256QAM	12	7	18.21	18.21	18.09	19.00
5	256QAM	12	13	18.23	18.20	18.00	19.00
5	256QAM	25	0	18.08	18.30	17.94	19.00



【LTE Band 38_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.49	23.49	23.31	24.00
20	QPSK	1	49	23.20	23.44	23.28	24.00
20	QPSK	1	99	23.21	23.21	23.18	24.00
20	QPSK	50	0	22.32	22.54	22.30	23.00
20	QPSK	50	24	22.30	22.44	22.26	23.00
20	QPSK	50	50	22.38	22.43	22.16	23.00
20	QPSK	100	0	22.30	22.30	22.20	23.00
20	16QAM	1	0	22.40	22.31	22.30	23.00
20	16QAM	1	49	22.35	22.33	21.99	23.00
20	16QAM	1	99	22.19	22.34	22.31	23.00
20	16QAM	50	0	21.32	21.42	21.12	22.00
20	16QAM	50	24	21.10	21.33	20.99	22.00
20	16QAM	50	50	21.19	21.24	21.31	22.00
20	16QAM	100	0	21.16	21.43	21.11	22.00
20	64QAM	1	0	21.35	21.38	21.10	22.00
20	64QAM	1	49	21.22	21.35	21.06	22.00
20	64QAM	1	99	21.25	21.36	21.19	22.00
20	64QAM	50	0	20.36	20.42	20.39	21.00
20	64QAM	50	24	20.36	20.47	20.28	21.00
20	64QAM	50	50	20.43	20.42	20.12	21.00
20	64QAM	100	0	20.27	20.25	20.20	21.00
20	256QAM	1	0	18.37	18.39	18.24	19.00
20	256QAM	1	49	18.46	18.35	18.38	19.00
20	256QAM	1	99	18.28	18.41	18.19	19.00
20	256QAM	50	0	18.15	18.35	18.23	19.00
20	256QAM	50	24	18.26	18.32	18.12	19.00
20	256QAM	50	50	18.30	18.33	18.15	19.00
20	256QAM	100	0	18.15	18.38	17.99	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.36	23.42	23.17	24.00
15	QPSK	1	37	23.19	23.32	23.16	24.00
15	QPSK	1	74	23.08	23.13	23.15	24.00
15	QPSK	36	0	22.24	22.42	22.19	23.00
15	QPSK	36	20	22.16	22.42	22.21	23.00
15	QPSK	36	39	22.36	22.40	22.04	23.00
15	QPSK	75	0	22.20	22.22	22.07	23.00
15	16QAM	1	0	22.33	22.23	22.19	23.00
15	16QAM	1	37	22.20	22.23	21.98	23.00
15	16QAM	1	74	22.14	22.26	22.22	23.00
15	16QAM	36	0	21.28	21.34	21.05	22.00
15	16QAM	36	20	20.99	21.23	20.86	22.00
15	16QAM	36	39	21.17	21.14	21.17	22.00
15	16QAM	75	0	21.14	21.30	20.97	22.00
15	64QAM	1	0	21.33	21.28	21.07	22.00
15	64QAM	1	37	21.17	21.30	21.03	22.00
15	64QAM	1	74	21.19	21.23	21.09	22.00
15	64QAM	36	0	20.27	20.31	20.30	21.00
15	64QAM	36	20	20.26	20.45	20.17	21.00
15	64QAM	36	39	20.40	20.28	20.10	21.00
15	64QAM	75	0	20.15	20.24	20.06	21.00
15	256QAM	1	0	18.33	18.31	18.16	19.00
15	256QAM	1	37	18.38	18.22	18.29	19.00
15	256QAM	1	74	18.24	18.35	18.11	19.00
15	256QAM	36	0	18.14	18.27	18.09	19.00
15	256QAM	36	20	18.19	18.19	18.09	19.00
15	256QAM	36	39	18.24	18.22	18.01	19.00
15	256QAM	75	0	18.08	18.28	17.95	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.43	23.43	23.18	24.00
10	QPSK	1	25	23.15	23.35	23.25	24.00
10	QPSK	1	49	23.09	23.12	23.04	24.00
10	QPSK	25	0	22.18	22.52	22.16	23.00
10	QPSK	25	12	22.22	22.32	22.12	23.00
10	QPSK	25	25	22.34	22.38	22.11	23.00
10	QPSK	50	0	22.19	22.26	22.07	23.00



10	16QAM	1	0	22.38	22.18	22.19	23.00
10	16QAM	1	25	22.25	22.23	21.88	23.00
10	16QAM	1	49	22.17	22.28	22.29	23.00
10	16QAM	25	0	21.19	21.35	21.09	22.00
10	16QAM	25	12	21.01	21.23	20.91	22.00
10	16QAM	25	25	21.18	21.10	21.22	22.00
10	16QAM	50	0	21.10	21.31	20.97	22.00
10	64QAM	1	0	21.23	21.25	21.02	22.00
10	64QAM	1	25	21.08	21.33	20.93	22.00
10	64QAM	1	49	21.21	21.28	21.05	22.00
10	64QAM	25	0	20.21	20.33	20.27	21.00
10	64QAM	25	12	20.33	20.39	20.24	21.00
10	64QAM	25	25	20.33	20.34	20.05	21.00
10	64QAM	50	0	20.25	20.15	20.14	21.00
10	256QAM	1	0	18.34	18.25	18.14	19.00
10	256QAM	1	25	18.43	18.31	18.35	19.00
10	256QAM	1	49	18.13	18.27	18.16	19.00
10	256QAM	25	0	18.03	18.30	18.09	19.00
10	256QAM	25	12	18.14	18.23	17.99	19.00
10	256QAM	25	25	18.19	18.27	18.02	19.00
10	256QAM	50	0	18.10	18.26	17.85	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.35	23.47	23.21	24.00
5	QPSK	1	12	23.09	23.38	23.19	24.00
5	QPSK	1	24	23.09	23.12	23.13	24.00
5	QPSK	12	0	22.19	22.39	22.25	23.00
5	QPSK	12	7	22.24	22.35	22.24	23.00
5	QPSK	12	13	22.28	22.30	22.15	23.00
5	QPSK	25	0	22.25	22.26	22.06	23.00
5	16QAM	1	0	22.37	22.21	22.20	23.00
5	16QAM	1	12	22.24	22.30	21.85	23.00
5	16QAM	1	24	22.12	22.22	22.16	23.00
5	16QAM	12	0	21.29	21.34	21.06	22.00
5	16QAM	12	7	21.00	21.19	20.86	22.00
5	16QAM	12	13	21.14	21.20	21.23	22.00
5	16QAM	25	0	21.05	21.32	21.09	22.00
5	64QAM	1	0	21.21	21.33	21.04	22.00
5	64QAM	1	12	21.11	21.21	20.91	22.00
5	64QAM	1	24	21.14	21.26	21.14	22.00
5	64QAM	12	0	20.34	20.33	20.35	21.00
5	64QAM	12	7	20.31	20.32	20.23	21.00
5	64QAM	12	13	20.31	20.38	20.09	21.00
5	64QAM	25	0	20.22	20.14	20.15	21.00
5	256QAM	1	0	18.24	18.29	18.12	19.00
5	256QAM	1	12	18.42	18.33	18.36	19.00
5	256QAM	1	24	18.17	18.26	18.09	19.00
5	256QAM	12	0	18.12	18.24	18.12	19.00
5	256QAM	12	7	18.21	18.21	18.09	19.00
5	256QAM	12	13	18.23	18.20	18.00	19.00
5	256QAM	25	0	18.08	18.30	17.94	19.00

【LTE Band 38_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.60	17.72	17.59	18.70
20	QPSK	1	49	17.48	17.61	17.57	18.70
20	QPSK	1	99	17.64	17.61	17.58	18.70
20	QPSK	50	0	17.63	17.70	17.62	18.70
20	QPSK	50	24	17.58	17.55	17.30	18.70
20	QPSK	50	50	17.44	17.63	17.34	18.70
20	QPSK	100	0	17.61	17.56	17.54	18.70
20	16QAM	1	0	17.60	17.72	17.48	18.70
20	16QAM	1	49	17.31	17.58	17.49	18.70
20	16QAM	1	99	17.50	17.60	17.32	18.70
20	16QAM	50	0	17.61	17.66	17.54	18.70
20	16QAM	50	24	17.65	17.71	17.34	18.70



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20	16QAM	50	50	17.52	17.64	17.43	18.70
20	16QAM	100	0	17.57	17.57	17.43	18.70
20	64QAM	1	0	17.38	17.55	17.31	18.70
20	64QAM	1	49	17.44	17.48	17.38	18.70
20	64QAM	1	99	17.48	17.49	17.22	18.70
20	64QAM	50	0	17.45	17.49	17.46	18.70
20	64QAM	50	24	17.44	17.64	17.46	18.70
20	64QAM	50	50	17.45	17.59	17.34	18.70
20	64QAM	100	0	17.38	17.51	17.25	18.70
20	256QAM	1	0	17.48	17.54	17.39	18.70
20	256QAM	1	49	17.52	17.65	17.44	18.70
20	256QAM	1	99	17.48	17.70	17.48	18.70
20	256QAM	50	0	17.36	17.56	17.35	18.70
20	256QAM	50	24	17.41	17.56	17.23	18.70
20	256QAM	50	50	17.50	17.47	17.28	18.70
20	256QAM	100	0	17.40	17.51	17.36	18.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.54	17.70	17.51	18.70
15	QPSK	1	37	17.40	17.49	17.53	18.70
15	QPSK	1	74	17.53	17.48	17.46	18.70
15	QPSK	36	0	17.58	17.74	17.60	18.70
15	QPSK	36	20	17.50	17.41	17.28	18.70
15	QPSK	36	39	17.33	17.53	17.23	18.70
15	QPSK	75	0	17.52	17.49	17.52	18.70
15	16QAM	1	0	17.48	17.68	17.46	18.70
15	16QAM	1	37	17.28	17.46	17.40	18.70
15	16QAM	1	74	17.39	17.49	17.23	18.70
15	16QAM	36	0	17.58	17.57	17.46	18.70
15	16QAM	36	20	17.60	17.58	17.21	18.70
15	16QAM	36	39	17.46	17.49	17.40	18.70
15	16QAM	75	0	17.46	17.53	17.30	18.70
15	64QAM	1	0	17.34	17.50	17.24	18.70
15	64QAM	1	37	17.38	17.38	17.30	18.70
15	64QAM	1	74	17.35	17.44	17.18	18.70
15	64QAM	36	0	17.38	17.42	17.37	18.70
15	64QAM	36	20	17.31	17.56	17.43	18.70
15	64QAM	36	39	17.36	17.50	17.31	18.70
15	64QAM	75	0	17.35	17.37	17.22	18.70
15	256QAM	1	0	17.45	17.50	17.33	18.70
15	256QAM	1	37	17.50	17.53	17.41	18.70
15	256QAM	1	74	17.42	17.61	17.44	18.70
15	256QAM	36	0	17.24	17.41	17.29	18.70
15	256QAM	36	20	17.32	17.49	17.08	18.70
15	256QAM	36	39	17.44	17.40	17.25	18.70
15	256QAM	75	0	17.26	17.46	17.24	18.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.51	17.66	17.50	18.70
10	QPSK	1	25	17.36	17.57	17.46	18.70
10	QPSK	1	49	17.55	17.49	17.43	18.70
10	QPSK	25	0	17.62	17.77	17.57	18.70
10	QPSK	25	12	17.53	17.43	17.20	18.70
10	QPSK	25	25	17.32	17.58	17.30	18.70
10	QPSK	50	0	17.53	17.45	17.42	18.70
10	16QAM	1	0	17.54	17.65	17.44	18.70
10	16QAM	1	25	17.29	17.44	17.36	18.70
10	16QAM	1	49	17.39	17.52	17.23	18.70
10	16QAM	25	0	17.54	17.61	17.40	18.70
10	16QAM	25	12	17.53	17.57	17.33	18.70
10	16QAM	25	25	17.46	17.53	17.30	18.70
10	16QAM	50	0	17.49	17.48	17.34	18.70
10	64QAM	1	0	17.27	17.44	17.27	18.70
10	64QAM	1	25	17.42	17.37	17.30	18.70
10	64QAM	1	49	17.37	17.39	17.15	18.70
10	64QAM	25	0	17.44	17.38	17.41	18.70
10	64QAM	25	12	17.30	17.53	17.33	18.70
10	64QAM	25	25	17.44	17.53	17.31	18.70
10	64QAM	50	0	17.30	17.50	17.15	18.70
10	256QAM	1	0	17.34	17.47	17.28	18.70
10	256QAM	1	25	17.47	17.62	17.42	18.70
10	256QAM	1	49	17.47	17.57	17.40	18.70
10	256QAM	25	0	17.23	17.53	17.22	18.70
10	256QAM	25	12	17.34	17.46	17.16	18.70



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10	256QAM	25	25	17.44	17.42	17.22	18.70
10	256QAM	50	0	17.33	17.36	17.27	18.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.52	17.66	17.49	18.70
5	QPSK	1	12	17.44	17.53	17.45	18.70
5	QPSK	1	24	17.56	17.46	17.53	18.70
5	QPSK	12	0	17.50	17.79	17.52	18.70
5	QPSK	12	7	17.52	17.51	17.27	18.70
5	QPSK	12	13	17.34	17.50	17.26	18.70
5	QPSK	25	0	17.57	17.53	17.48	18.70
5	16QAM	1	0	17.57	17.63	17.44	18.70
5	16QAM	1	12	17.22	17.45	17.48	18.70
5	16QAM	1	24	17.48	17.52	17.22	18.70
5	16QAM	12	0	17.46	17.62	17.53	18.70
5	16QAM	12	7	17.62	17.61	17.23	18.70
5	16QAM	12	13	17.42	17.52	17.29	18.70
5	16QAM	25	0	17.56	17.50	17.34	18.70
5	64QAM	1	0	17.27	17.40	17.21	18.70
5	64QAM	1	12	17.35	17.34	17.32	18.70
5	64QAM	1	24	17.35	17.36	17.14	18.70
5	64QAM	12	0	17.35	17.39	17.31	18.70
5	64QAM	12	7	17.41	17.59	17.45	18.70
5	64QAM	12	13	17.42	17.51	17.27	18.70
5	64QAM	25	0	17.37	17.44	17.14	18.70
5	256QAM	1	0	17.35	17.42	17.32	18.70
5	256QAM	1	12	17.39	17.61	17.29	18.70
5	256QAM	1	24	17.42	17.68	17.39	18.70
5	256QAM	12	0	17.27	17.50	17.31	18.70
5	256QAM	12	7	17.28	17.42	17.18	18.70
5	256QAM	12	13	17.38	17.42	17.26	18.70
5	256QAM	25	0	17.28	17.37	17.24	18.70

【LTE Band 38_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.56	23.55	24.00
20	QPSK	1	49	23.22	23.32	23.40	24.00
20	QPSK	1	99	23.23	23.19	23.32	24.00
20	QPSK	50	0	23.19	23.38	23.43	24.00
20	QPSK	50	24	23.33	23.29	23.30	24.00
20	QPSK	50	50	23.27	23.38	23.24	24.00
20	QPSK	100	0	23.37	23.41	23.18	24.00
20	16QAM	1	0	23.37	23.42	23.45	24.00
20	16QAM	1	49	23.19	23.39	23.44	24.00
20	16QAM	1	99	23.05	23.31	23.10	24.00
20	16QAM	50	0	22.46	22.49	22.26	23.00
20	16QAM	50	24	22.12	22.42	22.38	23.00
20	16QAM	50	50	22.26	22.33	22.28	23.00
20	16QAM	100	0	22.39	22.45	22.22	23.00
20	64QAM	1	0	22.38	22.44	22.42	23.00
20	64QAM	1	49	22.41	22.55	22.62	23.00
20	64QAM	1	99	22.28	22.47	22.32	23.00
20	64QAM	50	0	21.19	21.39	21.38	22.00
20	64QAM	50	24	21.15	21.44	21.18	22.00
20	64QAM	50	50	21.34	21.38	21.34	22.00
20	64QAM	100	0	21.34	21.42	21.27	22.00
20	256QAM	1	0	19.22	19.50	19.33	20.00
20	256QAM	1	49	19.30	19.49	19.47	20.00
20	256QAM	1	99	19.19	19.18	19.07	20.00
20	256QAM	50	0	19.43	19.36	19.34	20.00
20	256QAM	50	24	19.28	19.50	19.33	20.00
20	256QAM	50	50	19.23	19.22	19.36	20.00
20	256QAM	100	0	19.26	19.37	19.35	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.36	23.39	23.48	24.00



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15	QPSK	1	37	23.12	23.27	23.29	24.00
15	QPSK	1	74	23.10	23.11	23.31	24.00
15	QPSK	36	0	23.15	23.36	23.38	24.00
15	QPSK	36	20	23.22	23.16	23.22	24.00
15	QPSK	36	39	23.25	23.33	23.19	24.00
15	QPSK	75	0	23.24	23.35	23.17	24.00
15	16QAM	1	0	23.23	23.45	23.40	24.00
15	16QAM	1	37	23.13	23.35	23.33	24.00
15	16QAM	1	74	23.03	23.22	22.98	24.00
15	16QAM	36	0	22.45	22.43	22.18	23.00
15	16QAM	36	20	22.09	22.37	22.35	23.00
15	16QAM	36	39	22.14	22.22	22.22	23.00
15	16QAM	75	0	22.27	22.42	22.18	23.00
15	64QAM	1	0	22.30	22.43	22.29	23.00
15	64QAM	1	37	22.32	22.49	22.50	23.00
15	64QAM	1	74	22.20	22.37	22.18	23.00
15	64QAM	36	0	21.08	21.24	21.36	22.00
15	64QAM	36	20	21.03	21.38	21.04	22.00
15	64QAM	36	39	21.24	21.28	21.26	22.00
15	64QAM	75	0	21.19	21.33	21.17	22.00
15	256QAM	1	0	19.10	19.44	19.18	20.00
15	256QAM	1	37	19.24	19.39	19.38	20.00
15	256QAM	1	74	19.07	19.10	18.94	20.00
15	256QAM	36	0	19.35	19.27	19.22	20.00
15	256QAM	36	20	19.14	19.37	19.21	20.00
15	256QAM	36	39	19.19	19.12	19.24	20.00
15	256QAM	75	0	19.15	19.34	19.29	20.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.31	23.40	23.50	24.00
10	QPSK	1	25	23.16	23.29	23.36	24.00
10	QPSK	1	49	23.22	23.15	23.29	24.00
10	QPSK	25	0	23.07	23.25	23.39	24.00
10	QPSK	25	12	23.24	23.28	23.16	24.00
10	QPSK	25	25	23.22	23.26	23.15	24.00
10	QPSK	50	0	23.32	23.35	23.12	24.00
10	16QAM	1	0	23.26	23.46	23.36	24.00
10	16QAM	1	25	23.05	23.25	23.39	24.00
10	16QAM	1	49	22.92	23.30	23.06	24.00
10	16QAM	25	0	22.41	22.48	22.25	23.00
10	16QAM	25	12	22.09	22.41	22.33	23.00
10	16QAM	25	25	22.17	22.27	22.26	23.00
10	16QAM	50	0	22.34	22.39	22.15	23.00
10	64QAM	1	0	22.30	22.34	22.37	23.00
10	64QAM	1	25	22.32	22.46	22.53	23.00
10	64QAM	1	49	22.14	22.36	22.27	23.00
10	64QAM	25	0	21.07	21.33	21.30	22.00
10	64QAM	25	12	21.04	21.29	21.14	22.00
10	64QAM	25	25	21.32	21.30	21.26	22.00
10	64QAM	50	0	21.24	21.34	21.23	22.00
10	256QAM	1	0	19.08	19.41	19.21	20.00
10	256QAM	1	25	19.25	19.41	19.38	20.00
10	256QAM	1	49	19.08	19.06	19.05	20.00
10	256QAM	25	0	19.32	19.28	19.28	20.00
10	256QAM	25	12	19.23	19.41	19.29	20.00
10	256QAM	25	25	19.09	19.15	19.27	20.00
10	256QAM	50	0	19.17	19.26	19.22	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.27	23.36	23.45	24.00
5	QPSK	1	12	23.17	23.29	23.35	24.00
5	QPSK	1	24	23.09	23.09	23.19	24.00
5	QPSK	12	0	23.08	23.31	23.31	24.00
5	QPSK	12	7	23.30	23.16	23.25	24.00
5	QPSK	12	13	23.20	23.33	23.15	24.00
5	QPSK	25	0	23.32	23.33	23.15	24.00
5	16QAM	1	0	23.28	23.36	23.44	24.00
5	16QAM	1	12	23.13	23.33	23.35	24.00
5	16QAM	1	24	22.92	23.30	23.08	24.00
5	16QAM	12	0	22.40	22.46	22.11	23.00
5	16QAM	12	7	21.97	22.38	22.25	23.00
5	16QAM	12	13	22.21	22.20	22.26	23.00
5	16QAM	25	0	22.34	22.43	22.20	23.00
5	64QAM	1	0	22.25	22.35	22.40	23.00



5	64QAM	1	12	22.33	22.46	22.47	23.00
5	64QAM	1	24	22.24	22.42	22.26	23.00
5	64QAM	12	0	21.14	21.25	21.28	22.00
5	64QAM	12	7	21.13	21.38	21.08	22.00
5	64QAM	12	13	21.22	21.30	21.19	22.00
5	64QAM	25	0	21.19	21.34	21.15	22.00
5	256QAM	1	0	19.20	19.36	19.24	20.00
5	256QAM	1	12	19.17	19.35	19.39	20.00
5	256QAM	1	24	19.17	19.08	18.98	20.00
5	256QAM	12	0	19.31	19.21	19.20	20.00
5	256QAM	12	7	19.16	19.42	19.31	20.00
5	256QAM	12	13	19.18	19.15	19.22	20.00
5	256QAM	25	0	19.13	19.33	19.25	20.00

【LTE Band 38_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	14.15	14.26	14.19	15.70
20	QPSK	1	49	14.15	14.22	14.08	15.70
20	QPSK	1	99	14.13	14.23	13.95	15.70
20	QPSK	50	0	14.14	14.24	14.01	15.70
20	QPSK	50	24	13.95	14.20	13.93	15.70
20	QPSK	50	50	13.96	14.16	13.94	15.70
20	QPSK	100	0	13.98	14.10	14.13	15.70
20	16QAM	1	0	13.87	14.20	13.86	15.70
20	16QAM	1	49	14.01	14.00	13.80	15.70
20	16QAM	1	99	14.08	14.01	14.08	15.70
20	16QAM	50	0	13.98	14.24	13.96	15.70
20	16QAM	50	24	14.06	14.14	14.00	15.70
20	16QAM	50	50	14.05	14.16	13.94	15.70
20	16QAM	100	0	14.06	14.14	13.94	15.70
20	64QAM	1	0	13.97	13.97	13.93	15.70
20	64QAM	1	49	14.01	14.06	14.03	15.70
20	64QAM	1	99	13.95	14.02	13.97	15.70
20	64QAM	50	0	14.09	14.01	13.88	15.70
20	64QAM	50	24	13.89	14.11	13.97	15.70
20	64QAM	50	50	14.00	14.09	13.83	15.70
20	64QAM	100	0	13.93	14.00	13.83	15.70
20	256QAM	1	0	14.12	14.07	13.81	15.70
20	256QAM	1	49	14.04	14.16	13.96	15.70
20	256QAM	1	99	13.91	14.20	14.02	15.70
20	256QAM	50	0	14.02	14.28	13.93	15.70
20	256QAM	50	24	13.90	14.06	13.91	15.70
20	256QAM	50	50	14.12	14.19	13.95	15.70
20	256QAM	100	0	14.07	14.03	14.02	15.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	14.12	14.25	14.05	15.70
15	QPSK	1	37	14.06	14.12	14.00	15.70
15	QPSK	1	74	14.09	14.22	13.89	15.70
15	QPSK	36	0	14.02	14.21	13.92	15.70
15	QPSK	36	20	13.92	14.19	13.90	15.70
15	QPSK	36	39	13.92	14.14	13.91	15.70
15	QPSK	75	0	13.87	13.97	13.98	15.70
15	16QAM	1	0	13.82	14.09	13.73	15.70
15	16QAM	1	37	13.91	13.90	13.73	15.70
15	16QAM	1	74	13.99	13.90	14.01	15.70
15	16QAM	36	0	13.85	14.19	13.90	15.70
15	16QAM	36	20	13.92	14.01	13.94	15.70
15	16QAM	36	39	13.97	14.06	13.81	15.70
15	16QAM	75	0	13.99	14.02	13.83	15.70
15	64QAM	1	0	13.95	13.92	13.86	15.70
15	64QAM	1	37	13.97	13.96	13.98	15.70
15	64QAM	1	74	13.94	13.97	13.88	15.70
15	64QAM	36	0	14.02	13.97	13.86	15.70
15	64QAM	36	20	13.78	14.04	13.83	15.70
15	64QAM	36	39	13.86	14.05	13.70	15.70



15	64QAM	75	0	13.82	13.89	13.80	15.70
15	256QAM	1	0	14.10	14.02	13.71	15.70
15	256QAM	1	37	14.02	14.01	13.86	15.70
15	256QAM	1	74	13.80	14.09	14.00	15.70
15	256QAM	36	0	14.01	14.18	13.90	15.70
15	256QAM	36	20	13.79	14.00	13.87	15.70
15	256QAM	36	39	14.00	14.11	13.86	15.70
15	256QAM	75	0	14.01	13.94	14.00	15.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	14.07	14.23	14.14	15.70
10	QPSK	1	25	14.07	14.12	14.02	15.70
10	QPSK	1	49	13.99	14.08	13.93	15.70
10	QPSK	25	0	14.11	14.13	13.97	15.70
10	QPSK	25	12	13.82	14.14	13.86	15.70
10	QPSK	25	25	13.84	14.15	13.83	15.70
10	QPSK	50	0	13.89	13.98	14.07	15.70
10	16QAM	1	0	13.84	14.11	13.78	15.70
10	16QAM	1	25	13.99	13.97	13.71	15.70
10	16QAM	1	49	14.02	13.99	13.95	15.70
10	16QAM	25	0	13.97	14.20	13.83	15.70
10	16QAM	25	12	13.91	14.03	13.87	15.70
10	16QAM	25	25	13.94	14.08	13.83	15.70
10	16QAM	50	0	14.02	14.04	13.91	15.70
10	64QAM	1	0	13.90	13.89	13.79	15.70
10	64QAM	1	25	13.92	13.99	13.97	15.70
10	64QAM	1	49	13.91	13.99	13.94	15.70
10	64QAM	25	0	14.03	13.96	13.83	15.70
10	64QAM	25	12	13.82	14.02	13.90	15.70
10	64QAM	25	25	13.85	14.04	13.71	15.70
10	64QAM	50	0	13.91	13.90	13.82	15.70
10	256QAM	1	0	13.98	14.05	13.70	15.70
10	256QAM	1	25	13.94	14.02	13.83	15.70
10	256QAM	1	49	13.84	14.09	13.94	15.70
10	256QAM	25	0	14.01	14.21	13.91	15.70
10	256QAM	25	12	13.87	14.00	13.88	15.70
10	256QAM	25	25	14.09	14.07	13.90	15.70
10	256QAM	50	0	13.97	13.96	13.90	15.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	14.05	14.13	14.11	15.70
5	QPSK	1	12	14.12	14.12	13.99	15.70
5	QPSK	1	24	13.99	14.21	13.88	15.70
5	QPSK	12	0	14.03	14.09	13.89	15.70
5	QPSK	12	7	13.82	14.07	13.86	15.70
5	QPSK	12	13	13.90	14.10	13.90	15.70
5	QPSK	25	0	13.95	14.07	14.12	15.70
5	16QAM	1	0	13.73	14.10	13.78	15.70
5	16QAM	1	12	13.94	13.86	13.73	15.70
5	16QAM	1	24	13.98	13.99	14.07	15.70
5	16QAM	12	0	13.95	14.16	13.83	15.70
5	16QAM	12	7	13.95	14.09	13.89	15.70
5	16QAM	12	13	14.00	14.07	13.86	15.70
5	16QAM	25	0	13.96	14.03	13.82	15.70
5	64QAM	1	0	13.87	13.95	13.83	15.70
5	64QAM	1	12	13.89	13.99	13.93	15.70
5	64QAM	1	24	13.82	13.91	13.94	15.70
5	64QAM	12	0	14.02	13.97	13.84	15.70
5	64QAM	12	7	13.75	14.08	13.88	15.70
5	64QAM	12	13	13.88	13.96	13.74	15.70
5	64QAM	25	0	13.79	13.85	13.75	15.70
5	256QAM	1	0	14.01	14.05	13.70	15.70
5	256QAM	1	12	13.95	14.10	13.82	15.70
5	256QAM	1	24	13.84	14.17	13.98	15.70
5	256QAM	12	0	13.93	14.22	13.79	15.70
5	256QAM	12	7	13.88	14.01	13.84	15.70
5	256QAM	12	13	14.05	14.16	13.81	15.70
5	256QAM	25	0	13.93	14.00	13.91	15.70



【LTE Band 38_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	19.10
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.71	17.55	17.70	19.10
20	QPSK	1	49	17.61	17.34	17.64	19.10
20	QPSK	1	99	17.71	17.44	17.51	19.10
20	QPSK	50	0	17.55	17.53	17.59	19.10
20	QPSK	50	24	17.59	17.51	17.57	19.10
20	QPSK	50	50	17.52	17.34	17.70	19.10
20	QPSK	100	0	17.61	17.50	17.49	19.10
20	16QAM	1	0	17.71	17.50	17.50	19.10
20	16QAM	1	49	17.67	17.50	17.65	19.10
20	16QAM	1	99	17.70	17.45	17.49	19.10
20	16QAM	50	0	17.74	17.30	17.55	19.10
20	16QAM	50	24	17.75	17.43	17.60	19.10
20	16QAM	50	50	17.74	17.28	17.56	19.10
20	16QAM	100	0	17.55	17.43	17.71	19.10
20	64QAM	1	0	17.60	17.41	17.69	19.10
20	64QAM	1	49	17.67	17.35	17.71	19.10
20	64QAM	1	99	17.59	17.29	17.68	19.10
20	64QAM	50	0	17.75	17.39	17.68	19.10
20	64QAM	50	24	17.52	17.42	17.49	19.10
20	64QAM	50	50	17.62	17.41	17.62	19.10
20	64QAM	100	0	17.54	17.48	17.60	19.10
20	256QAM	1	0	17.63	17.32	17.51	19.00
20	256QAM	1	49	17.68	17.28	17.69	19.00
20	256QAM	1	99	17.73	17.50	17.65	19.00
20	256QAM	50	0	17.70	17.31	17.62	19.00
20	256QAM	50	24	17.66	17.51	17.53	19.00
20	256QAM	50	50	17.72	17.27	17.61	19.00
20	256QAM	100	0	17.62	17.32	17.54	19.00
Channel				37825	38000	38175	19.10
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.62	17.28	17.68	19.10
15	QPSK	1	37	17.54	17.29	17.49	19.10
15	QPSK	1	74	17.68	17.43	17.46	19.10
15	QPSK	36	0	17.52	17.24	17.54	19.10
15	QPSK	36	20	17.47	17.50	17.43	19.10
15	QPSK	36	39	17.44	17.24	17.66	19.10
15	QPSK	75	0	17.55	17.39	17.36	19.10
15	16QAM	1	0	17.66	17.46	17.39	19.10
15	16QAM	1	37	17.52	17.48	17.53	19.10
15	16QAM	1	74	17.61	17.34	17.46	19.10
15	16QAM	36	0	17.70	17.20	17.49	19.10
15	16QAM	36	20	17.67	17.32	17.52	19.10
15	16QAM	36	39	17.62	17.15	17.43	19.10
15	16QAM	75	0	17.48	17.29	17.70	19.10
15	64QAM	1	0	17.47	17.33	17.65	19.10
15	64QAM	1	37	17.64	17.22	17.65	19.10
15	64QAM	1	74	17.54	17.21	17.63	19.10
15	64QAM	36	0	17.64	17.25	17.61	19.10
15	64QAM	36	20	17.46	17.28	17.40	19.10
15	64QAM	36	39	17.60	17.39	17.58	19.10
15	64QAM	75	0	17.43	17.34	17.51	19.10
15	256QAM	1	0	17.56	17.31	17.44	19.00
15	256QAM	1	37	17.56	17.16	17.56	19.00
15	256QAM	1	74	17.65	17.41	17.51	19.00
15	256QAM	36	0	17.65	17.27	17.51	19.00
15	256QAM	36	20	17.59	17.39	17.38	19.00
15	256QAM	36	39	17.66	17.17	17.59	19.00
15	256QAM	75	0	17.51	17.29	17.42	19.00
Channel				37800	38000	38200	19.10
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.57	17.38	17.62	19.10
10	QPSK	1	25	17.53	17.32	17.61	19.10
10	QPSK	1	49	17.62	17.38	17.37	19.10
10	QPSK	25	0	17.43	17.24	17.47	19.10
10	QPSK	25	12	17.44	17.49	17.51	19.10
10	QPSK	25	25	17.43	17.24	17.60	19.10
10	QPSK	50	0	17.54	17.38	17.45	19.10



10	16QAM	1	0	17.59	17.42	17.44	19.10
10	16QAM	1	25	17.58	17.40	17.61	19.10
10	16QAM	1	49	17.57	17.41	17.42	19.10
10	16QAM	25	0	17.64	17.15	17.40	19.10
10	16QAM	25	12	17.61	17.37	17.45	19.10
10	16QAM	25	25	17.66	17.17	17.50	19.10
10	16QAM	50	0	17.49	17.36	17.64	19.10
10	64QAM	1	0	17.52	17.27	17.56	19.10
10	64QAM	1	25	17.60	17.30	17.58	19.10
10	64QAM	1	49	17.58	17.19	17.60	19.10
10	64QAM	25	0	17.62	17.24	17.56	19.10
10	64QAM	25	12	17.46	17.29	17.47	19.10
10	64QAM	25	25	17.51	17.32	17.60	19.10
10	64QAM	50	0	17.47	17.40	17.52	19.10
10	256QAM	1	0	17.52	17.20	17.47	19.00
10	256QAM	1	25	17.61	17.20	17.62	19.00
10	256QAM	1	49	17.65	17.44	17.62	19.00
10	256QAM	25	0	17.63	17.17	17.60	19.00
10	256QAM	25	12	17.56	17.45	17.51	19.00
10	256QAM	25	25	17.69	17.23	17.50	19.00
10	256QAM	50	0	17.58	17.19	17.47	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.63	17.36	17.68	19.10
5	QPSK	1	12	17.51	17.29	17.62	19.10
5	QPSK	1	24	17.69	17.39	17.50	19.10
5	QPSK	12	0	17.48	17.28	17.52	19.10
5	QPSK	12	7	17.54	17.38	17.45	19.10
5	QPSK	12	13	17.51	17.20	17.59	19.10
5	QPSK	25	0	17.50	17.47	17.42	19.10
5	16QAM	1	0	17.68	17.43	17.40	19.10
5	16QAM	1	12	17.60	17.41	17.55	19.10
5	16QAM	1	24	17.65	17.40	17.43	19.10
5	16QAM	12	0	17.72	17.27	17.51	19.10
5	16QAM	12	7	17.73	17.40	17.52	19.10
5	16QAM	12	13	17.65	17.16	17.42	19.10
5	16QAM	25	0	17.46	17.33	17.57	19.10
5	64QAM	1	0	17.47	17.35	17.65	19.10
5	64QAM	1	12	17.62	17.27	17.58	19.10
5	64QAM	1	24	17.46	17.21	17.63	19.10
5	64QAM	12	0	17.61	17.29	17.63	19.10
5	64QAM	12	7	17.40	17.29	17.38	19.10
5	64QAM	12	13	17.60	17.36	17.53	19.10
5	64QAM	25	0	17.48	17.40	17.48	19.10
5	256QAM	1	0	17.49	17.28	17.48	19.00
5	256QAM	1	12	17.63	17.20	17.55	19.00
5	256QAM	1	24	17.69	17.44	17.53	19.00
5	256QAM	12	0	17.59	17.22	17.52	19.00
5	256QAM	12	7	17.63	17.41	17.43	19.00
5	256QAM	12	13	17.70	17.16	17.54	19.00
5	256QAM	25	0	17.60	17.29	17.52	19.00

【LTE Band 38_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.56	23.55	24.00
20	QPSK	1	49	23.22	23.32	23.40	24.00
20	QPSK	1	99	23.23	23.19	23.32	24.00
20	QPSK	50	0	23.19	23.38	23.43	24.00
20	QPSK	50	24	23.33	23.29	23.30	24.00
20	QPSK	50	50	23.27	23.38	23.24	24.00
20	QPSK	100	0	23.37	23.41	23.18	24.00
20	16QAM	1	0	23.37	23.42	23.45	24.00
20	16QAM	1	49	23.19	23.39	23.44	24.00
20	16QAM	1	99	23.05	23.31	23.10	24.00
20	16QAM	50	0	22.46	22.49	22.26	23.00
20	16QAM	50	24	22.12	22.42	22.38	23.00



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20	16QAM	50	50	22.26	22.33	22.28	23.00
20	16QAM	100	0	22.39	22.45	22.22	23.00
20	64QAM	1	0	22.38	22.44	22.42	23.00
20	64QAM	1	49	22.41	22.55	22.62	23.00
20	64QAM	1	99	22.28	22.47	22.32	23.00
20	64QAM	50	0	21.19	21.39	21.38	22.00
20	64QAM	50	24	21.15	21.44	21.18	22.00
20	64QAM	50	50	21.34	21.38	21.34	22.00
20	64QAM	100	0	21.34	21.42	21.27	22.00
20	256QAM	1	0	19.22	19.50	19.33	20.00
20	256QAM	1	49	19.30	19.49	19.47	20.00
20	256QAM	1	99	19.19	19.18	19.07	20.00
20	256QAM	50	0	19.43	19.36	19.34	20.00
20	256QAM	50	24	19.28	19.50	19.33	20.00
20	256QAM	50	50	19.23	19.22	19.36	20.00
20	256QAM	100	0	19.26	19.37	19.35	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.36	23.39	23.48	24.00
15	QPSK	1	37	23.12	23.27	23.29	24.00
15	QPSK	1	74	23.10	23.11	23.31	24.00
15	QPSK	36	0	23.15	23.36	23.38	24.00
15	QPSK	36	20	23.22	23.16	23.22	24.00
15	QPSK	36	39	23.25	23.33	23.19	24.00
15	QPSK	75	0	23.24	23.35	23.17	24.00
15	16QAM	1	0	23.23	23.45	23.40	24.00
15	16QAM	1	37	23.13	23.35	23.33	24.00
15	16QAM	1	74	23.03	23.22	22.98	24.00
15	16QAM	36	0	22.45	22.43	22.18	23.00
15	16QAM	36	20	22.09	22.37	22.35	23.00
15	16QAM	36	39	22.14	22.22	22.22	23.00
15	16QAM	75	0	22.27	22.42	22.18	23.00
15	64QAM	1	0	22.30	22.43	22.29	23.00
15	64QAM	1	37	22.32	22.49	22.50	23.00
15	64QAM	1	74	22.20	22.37	22.18	23.00
15	64QAM	36	0	21.08	21.24	21.36	22.00
15	64QAM	36	20	21.03	21.38	21.04	22.00
15	64QAM	36	39	21.24	21.28	21.26	22.00
15	64QAM	75	0	21.19	21.33	21.17	22.00
15	256QAM	1	0	19.10	19.44	19.18	20.00
15	256QAM	1	37	19.24	19.39	19.38	20.00
15	256QAM	1	74	19.07	19.10	18.94	20.00
15	256QAM	36	0	19.35	19.27	19.22	20.00
15	256QAM	36	20	19.14	19.37	19.21	20.00
15	256QAM	36	39	19.19	19.12	19.24	20.00
15	256QAM	75	0	19.15	19.34	19.29	20.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.31	23.40	23.50	24.00
10	QPSK	1	25	23.16	23.29	23.36	24.00
10	QPSK	1	49	23.22	23.15	23.29	24.00
10	QPSK	25	0	23.07	23.25	23.39	24.00
10	QPSK	25	12	23.24	23.28	23.16	24.00
10	QPSK	25	25	23.22	23.26	23.15	24.00
10	QPSK	50	0	23.32	23.35	23.12	24.00
10	16QAM	1	0	23.26	23.46	23.36	24.00
10	16QAM	1	25	23.05	23.25	23.39	24.00
10	16QAM	1	49	22.92	23.30	23.06	24.00
10	16QAM	25	0	22.41	22.48	22.25	23.00
10	16QAM	25	12	22.09	22.41	22.33	23.00
10	16QAM	25	25	22.17	22.27	22.26	23.00
10	16QAM	50	0	22.34	22.39	22.15	23.00
10	64QAM	1	0	22.30	22.34	22.37	23.00
10	64QAM	1	25	22.32	22.46	22.53	23.00
10	64QAM	1	49	22.14	22.36	22.27	23.00
10	64QAM	25	0	21.07	21.33	21.30	22.00
10	64QAM	25	12	21.04	21.29	21.14	22.00
10	64QAM	25	25	21.32	21.30	21.26	22.00
10	64QAM	50	0	21.24	21.34	21.23	22.00
10	256QAM	1	0	19.08	19.41	19.21	20.00
10	256QAM	1	25	19.25	19.41	19.38	20.00
10	256QAM	1	49	19.08	19.06	19.05	20.00
10	256QAM	25	0	19.32	19.28	19.28	20.00
10	256QAM	25	12	19.23	19.41	19.29	20.00



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10	256QAM	25	25	19.09	19.15	19.27	20.00
10	256QAM	50	0	19.17	19.26	19.22	20.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.27	23.36	23.45	24.00
5	QPSK	1	12	23.17	23.29	23.35	24.00
5	QPSK	1	24	23.09	23.09	23.19	24.00
5	QPSK	12	0	23.08	23.31	23.31	24.00
5	QPSK	12	7	23.30	23.16	23.25	24.00
5	QPSK	12	13	23.20	23.33	23.15	24.00
5	QPSK	25	0	23.32	23.33	23.15	24.00
5	16QAM	1	0	23.28	23.36	23.44	24.00
5	16QAM	1	12	23.13	23.33	23.35	24.00
5	16QAM	1	24	22.92	23.30	23.08	24.00
5	16QAM	12	0	22.40	22.46	22.11	23.00
5	16QAM	12	7	21.97	22.38	22.25	23.00
5	16QAM	12	13	22.21	22.20	22.26	23.00
5	16QAM	25	0	22.34	22.43	22.20	23.00
5	64QAM	1	0	22.25	22.35	22.40	23.00
5	64QAM	1	12	22.33	22.46	22.47	23.00
5	64QAM	1	24	22.24	22.42	22.26	23.00
5	64QAM	12	0	21.14	21.25	21.28	22.00
5	64QAM	12	7	21.13	21.38	21.08	22.00
5	64QAM	12	13	21.22	21.30	21.19	22.00
5	64QAM	25	0	21.19	21.34	21.15	22.00
5	256QAM	1	0	19.20	19.36	19.24	20.00
5	256QAM	1	12	19.17	19.35	19.39	20.00
5	256QAM	1	24	19.17	19.08	18.98	20.00
5	256QAM	12	0	19.31	19.21	19.20	20.00
5	256QAM	12	7	19.16	19.42	19.31	20.00
5	256QAM	12	13	19.18	19.15	19.22	20.00
5	256QAM	25	0	19.13	19.33	19.25	20.00

【LTE Band 38_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.20	20.25	20.21	21.30
20	QPSK	1	49	20.05	20.24	19.93	21.30
20	QPSK	1	99	20.22	20.12	19.88	21.30
20	QPSK	50	0	20.18	20.20	20.10	21.30
20	QPSK	50	24	20.18	20.16	19.92	21.30
20	QPSK	50	50	19.94	20.17	19.95	21.30
20	QPSK	100	0	20.16	20.16	19.96	21.30
20	16QAM	1	0	20.13	20.17	20.07	21.30
20	16QAM	1	49	20.11	20.23	20.07	21.30
20	16QAM	1	99	19.90	20.21	20.09	21.30
20	16QAM	50	0	20.00	20.13	20.11	21.30
20	16QAM	50	24	20.16	20.06	19.98	21.30
20	16QAM	50	50	20.03	20.06	19.97	21.30
20	16QAM	100	0	19.96	20.02	19.81	21.30
20	64QAM	1	0	19.94	20.08	19.99	21.30
20	64QAM	1	49	19.95	20.08	19.85	21.30
20	64QAM	1	99	20.17	20.27	20.02	21.30
20	64QAM	50	0	19.77	19.87	19.83	21.30
20	64QAM	50	24	19.87	19.99	19.82	21.30
20	64QAM	50	50	19.68	19.85	19.73	21.30
20	64QAM	100	0	19.88	19.85	19.56	21.30
20	256QAM	1	0	18.75	18.88	18.72	20.00
20	256QAM	1	49	18.63	18.81	18.63	20.00
20	256QAM	1	99	18.69	18.85	18.78	20.00
20	256QAM	50	0	18.69	18.87	18.72	20.00
20	256QAM	50	24	18.69	18.86	18.74	20.00
20	256QAM	50	50	18.65	18.83	18.78	20.00
20	256QAM	100	0	18.75	18.82	18.75	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.11	20.20	20.09	21.30



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15	QPSK	1	37	19.95	20.11	19.83	21.30
15	QPSK	1	74	20.14	20.11	19.84	21.30
15	QPSK	36	0	20.15	20.18	20.06	21.30
15	QPSK	36	20	20.15	20.09	19.89	21.30
15	QPSK	36	39	19.85	20.10	19.85	21.30
15	QPSK	75	0	20.02	20.06	19.82	21.30
15	16QAM	1	0	20.07	20.16	20.01	21.30
15	16QAM	1	37	20.01	20.12	20.01	21.30
15	16QAM	1	74	19.88	20.13	19.98	21.30
15	16QAM	36	0	19.94	20.10	20.08	21.30
15	16QAM	36	20	20.14	19.95	19.83	21.30
15	16QAM	36	39	19.99	20.00	19.91	21.30
15	16QAM	75	0	19.94	19.87	19.67	21.30
15	64QAM	1	0	19.89	19.97	19.84	21.30
15	64QAM	1	37	19.92	20.06	19.74	21.30
15	64QAM	1	74	20.07	20.13	19.92	21.30
15	64QAM	36	0	19.68	19.84	19.79	21.30
15	64QAM	36	20	19.80	19.90	19.71	21.30
15	64QAM	36	39	19.61	19.81	19.64	21.30
15	64QAM	75	0	19.80	19.80	19.49	21.30
15	256QAM	1	0	18.70	18.81	18.63	20.00
15	256QAM	1	37	18.50	18.71	18.49	20.00
15	256QAM	1	74	18.62	18.77	18.75	20.00
15	256QAM	36	0	18.55	18.72	18.66	20.00
15	256QAM	36	20	18.55	18.75	18.72	20.00
15	256QAM	36	39	18.52	18.80	18.68	20.00
15	256QAM	75	0	18.67	18.69	18.70	20.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	20.13	20.22	20.20	21.30
10	QPSK	1	25	19.92	20.16	19.80	21.30
10	QPSK	1	49	20.16	20.05	19.78	21.30
10	QPSK	25	0	20.10	20.07	19.96	21.30
10	QPSK	25	12	20.10	20.12	19.80	21.30
10	QPSK	25	25	19.91	20.12	19.80	21.30
10	QPSK	50	0	20.03	20.05	19.82	21.30
10	16QAM	1	0	20.03	20.11	20.00	21.30
10	16QAM	1	25	19.97	20.16	19.98	21.30
10	16QAM	1	49	19.77	20.16	19.98	21.30
10	16QAM	25	0	19.91	20.07	20.04	21.30
10	16QAM	25	12	20.09	20.01	19.91	21.30
10	16QAM	25	25	19.96	20.04	19.87	21.30
10	16QAM	50	0	19.88	19.93	19.76	21.30
10	64QAM	1	0	19.84	20.07	19.93	21.30
10	64QAM	1	25	19.82	20.01	19.75	21.30
10	64QAM	1	49	20.11	20.19	20.01	21.30
10	64QAM	25	0	19.72	19.74	19.75	21.30
10	64QAM	25	12	19.80	19.85	19.70	21.30
10	64QAM	25	25	19.53	19.72	19.66	21.30
10	64QAM	50	0	19.73	19.72	19.42	21.30
10	256QAM	1	0	18.61	18.74	18.63	20.00
10	256QAM	1	25	18.60	18.76	18.52	20.00
10	256QAM	1	49	18.55	18.75	18.67	20.00
10	256QAM	25	0	18.58	18.83	18.65	20.00
10	256QAM	25	12	18.67	18.75	18.62	20.00
10	256QAM	25	25	18.63	18.76	18.75	20.00
10	256QAM	50	0	18.71	18.71	18.65	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.15	20.11	20.19	21.30
5	QPSK	1	12	19.94	20.12	19.91	21.30
5	QPSK	1	24	20.11	20.09	19.84	21.30
5	QPSK	12	0	20.04	20.06	20.08	21.30
5	QPSK	12	7	20.12	20.15	19.89	21.30
5	QPSK	12	13	19.87	20.14	19.82	21.30
5	QPSK	25	0	20.03	20.13	19.93	21.30
5	16QAM	1	0	20.05	20.13	19.95	21.30
5	16QAM	1	12	19.97	20.15	20.00	21.30
5	16QAM	1	24	19.78	20.15	19.99	21.30
5	16QAM	12	0	19.99	20.02	20.04	21.30
5	16QAM	12	7	20.12	20.01	19.93	21.30
5	16QAM	12	13	19.93	20.04	19.92	21.30
5	16QAM	25	0	19.93	19.89	19.76	21.30
5	64QAM	1	0	19.91	19.93	19.86	21.30



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5	64QAM	1	12	19.84	19.94	19.73	21.30
5	64QAM	1	24	20.11	20.25	19.95	21.30
5	64QAM	12	0	19.68	19.84	19.74	21.30
5	64QAM	12	7	19.72	19.95	19.77	21.30
5	64QAM	12	13	19.54	19.71	19.65	21.30
5	64QAM	25	0	19.75	19.83	19.44	21.30
5	256QAM	1	0	18.60	18.85	18.69	20.00
5	256QAM	1	12	18.53	18.80	18.55	20.00
5	256QAM	1	24	18.62	18.70	18.67	20.00
5	256QAM	12	0	18.58	18.74	18.67	20.00
5	256QAM	12	7	18.66	18.85	18.61	20.00
5	256QAM	12	13	18.54	18.73	18.71	20.00
5	256QAM	25	0	18.70	18.70	18.72	20.00

【LTE Band 38_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				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	15.12	15.13	15.09	16.70
20	QPSK	1	49	14.97	14.93	14.96	16.70
20	QPSK	1	99	14.97	14.90	15.08	16.70
20	QPSK	50	0	14.91	15.09	14.88	16.70
20	QPSK	50	24	14.89	14.95	15.08	16.70
20	QPSK	50	50	14.94	14.97	15.06	16.70
20	QPSK	100	0	15.03	15.10	15.00	16.70
20	16QAM	1	0	14.94	15.01	14.99	16.70
20	16QAM	1	49	14.98	14.91	15.08	16.70
20	16QAM	1	99	14.95	15.10	15.03	16.70
20	16QAM	50	0	15.08	15.06	15.04	16.70
20	16QAM	50	24	15.03	15.02	15.08	16.70
20	16QAM	50	50	15.06	15.11	15.03	16.70
20	16QAM	100	0	15.04	15.00	15.07	16.70
20	64QAM	1	0	15.10	14.94	14.88	16.70
20	64QAM	1	49	14.96	15.07	15.06	16.70
20	64QAM	1	99	15.01	14.98	15.00	16.70
20	64QAM	50	0	14.93	14.98	15.06	16.70
20	64QAM	50	24	14.92	14.93	15.09	16.70
20	64QAM	50	50	15.09	15.10	15.08	16.70
20	64QAM	100	0	14.98	14.94	14.91	16.70
20	256QAM	1	0	14.91	15.02	14.98	16.70
20	256QAM	1	49	14.99	15.06	15.06	16.70
20	256QAM	1	99	14.93	14.90	14.91	16.70
20	256QAM	50	0	14.99	14.90	14.90	16.70
20	256QAM	50	24	15.08	14.98	14.88	16.70
20	256QAM	50	50	15.11	15.08	14.89	16.70
20	256QAM	100	0	15.00	14.90	14.90	16.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	15.07	15.02	15.00	16.70
15	QPSK	1	37	14.88	14.87	14.91	16.70
15	QPSK	1	74	14.84	14.78	15.03	16.70
15	QPSK	36	0	14.89	15.07	14.75	16.70
15	QPSK	36	20	14.80	14.86	15.07	16.70
15	QPSK	36	39	14.87	14.91	14.96	16.70
15	QPSK	75	0	14.89	15.03	14.88	16.70
15	16QAM	1	0	14.88	14.97	14.86	16.70
15	16QAM	1	37	14.94	14.79	14.98	16.70
15	16QAM	1	74	14.89	15.07	14.97	16.70
15	16QAM	36	0	14.95	15.03	15.00	16.70
15	16QAM	36	20	14.89	14.91	14.94	16.70
15	16QAM	36	39	15.03	15.04	15.01	16.70
15	16QAM	75	0	15.01	14.91	15.05	16.70
15	64QAM	1	0	14.98	14.92	14.85	16.70
15	64QAM	1	37	14.88	14.94	15.01	16.70
15	64QAM	1	74	14.95	14.94	14.97	16.70
15	64QAM	36	0	14.86	14.88	14.95	16.70
15	64QAM	36	20	14.84	14.85	14.97	16.70
15	64QAM	36	39	14.97	14.97	14.98	16.70



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15	64QAM	75	0	14.86	14.90	14.84	16.70
15	256QAM	1	0	14.84	14.96	14.96	16.70
15	256QAM	1	37	14.95	15.01	15.04	16.70
15	256QAM	1	74	14.79	14.84	14.86	16.70
15	256QAM	36	0	14.95	14.88	14.81	16.70
15	256QAM	36	20	15.04	14.85	14.77	16.70
15	256QAM	36	39	14.99	15.05	14.77	16.70
15	256QAM	75	0	14.94	14.87	14.77	16.70
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	15.09	15.08	14.96	16.70
10	QPSK	1	25	14.86	14.86	14.89	16.70
10	QPSK	1	49	14.90	14.87	14.95	16.70
10	QPSK	25	0	14.90	14.96	14.80	16.70
10	QPSK	25	12	14.82	14.93	15.05	16.70
10	QPSK	25	25	14.92	14.82	15.03	16.70
10	QPSK	50	0	14.96	14.98	14.89	16.70
10	16QAM	1	0	14.93	14.90	14.90	16.70
10	16QAM	1	25	14.91	14.84	14.95	16.70
10	16QAM	1	49	14.87	15.05	14.96	16.70
10	16QAM	25	0	15.02	15.04	14.95	16.70
10	16QAM	25	12	14.91	15.01	15.00	16.70
10	16QAM	25	25	14.99	15.06	15.01	16.70
10	16QAM	50	0	14.90	14.93	14.97	16.70
10	64QAM	1	0	15.00	14.82	14.87	16.70
10	64QAM	1	25	14.82	14.97	14.98	16.70
10	64QAM	1	49	14.94	14.92	14.86	16.70
10	64QAM	25	0	14.91	14.95	15.04	16.70
10	64QAM	25	12	14.83	14.92	14.94	16.70
10	64QAM	25	25	14.94	15.08	15.05	16.70
10	64QAM	50	0	14.96	14.81	14.86	16.70
10	256QAM	1	0	14.86	14.97	14.85	16.70
10	256QAM	1	25	14.93	14.95	14.96	16.70
10	256QAM	1	49	14.83	14.88	14.87	16.70
10	256QAM	25	0	14.94	14.81	14.87	16.70
10	256QAM	25	12	14.96	14.87	14.77	16.70
10	256QAM	25	25	14.99	14.93	14.82	16.70
10	256QAM	50	0	14.93	14.81	14.88	16.70
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	15.07	15.01	14.95	16.70
5	QPSK	1	12	14.83	14.80	14.83	16.70
5	QPSK	1	24	14.82	14.76	14.97	16.70
5	QPSK	12	0	14.87	14.96	14.82	16.70
5	QPSK	12	7	14.76	14.83	15.01	16.70
5	QPSK	12	13	14.83	14.96	14.99	16.70
5	QPSK	25	0	14.98	15.03	14.91	16.70
5	16QAM	1	0	14.90	14.87	14.96	16.70
5	16QAM	1	12	14.96	14.77	15.01	16.70
5	16QAM	1	24	14.92	14.99	14.95	16.70
5	16QAM	12	0	14.94	15.05	15.00	16.70
5	16QAM	12	7	14.91	14.95	15.06	16.70
5	16QAM	12	13	15.02	15.07	14.94	16.70
5	16QAM	25	0	14.94	14.97	15.04	16.70
5	64QAM	1	0	15.04	14.90	14.79	16.70
5	64QAM	1	12	14.93	15.02	14.97	16.70
5	64QAM	1	24	14.90	14.90	14.90	16.70
5	64QAM	12	0	14.78	14.86	15.02	16.70
5	64QAM	12	7	14.81	14.79	14.97	16.70
5	64QAM	12	13	15.00	14.97	15.00	16.70
5	64QAM	25	0	14.87	14.84	14.89	16.70
5	256QAM	1	0	14.84	14.98	14.90	16.70
5	256QAM	1	12	14.92	14.97	14.93	16.70
5	256QAM	1	24	14.78	14.81	14.83	16.70
5	256QAM	12	0	14.91	14.84	14.88	16.70
5	256QAM	12	7	15.06	14.88	14.73	16.70
5	256QAM	12	13	15.09	14.98	14.76	16.70
5	256QAM	25	0	14.95	14.77	14.75	16.70



【LTE Band 38_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.45	23.33	24.00
20	QPSK	1	49	23.18	23.34	23.16	24.00
20	QPSK	1	99	23.13	23.34	23.21	24.00
20	QPSK	50	0	23.28	23.42	23.22	24.00
20	QPSK	50	24	23.27	23.38	23.15	24.00
20	QPSK	50	50	23.14	23.29	23.07	24.00
20	QPSK	100	0	23.28	23.39	23.20	24.00
20	16QAM	1	0	23.22	23.41	23.17	24.00
20	16QAM	1	49	23.21	23.33	23.06	24.00
20	16QAM	1	99	23.18	23.28	23.14	24.00
20	16QAM	50	0	22.94	23.10	22.91	24.00
20	16QAM	50	24	22.91	23.05	22.86	24.00
20	16QAM	50	50	22.94	23.03	22.80	24.00
20	16QAM	100	0	22.92	23.12	22.89	24.00
20	64QAM	1	0	23.14	23.23	23.07	24.00
20	64QAM	1	49	23.10	23.24	23.01	24.00
20	64QAM	1	99	22.94	23.03	22.80	24.00
20	64QAM	50	0	22.12	22.20	21.95	23.00
20	64QAM	50	24	22.03	22.13	21.90	23.00
20	64QAM	50	50	22.01	22.16	22.03	23.00
20	64QAM	100	0	21.93	22.05	21.81	23.00
20	256QAM	1	0	19.93	20.11	19.95	21.00
20	256QAM	1	49	19.89	20.04	19.86	21.00
20	256QAM	1	99	19.88	20.08	19.89	21.00
20	256QAM	50	0	20.04	20.17	20.05	21.00
20	256QAM	50	24	20.00	20.09	19.96	21.00
20	256QAM	50	50	19.90	20.00	19.79	21.00
20	256QAM	100	0	19.78	19.96	19.77	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.34	23.33	23.29	24.00
15	QPSK	1	37	23.08	23.32	23.15	24.00
15	QPSK	1	74	23.02	23.30	23.10	24.00
15	QPSK	36	0	23.20	23.31	23.16	24.00
15	QPSK	36	20	23.19	23.27	23.06	24.00
15	QPSK	36	39	23.05	23.26	22.96	24.00
15	QPSK	75	0	23.14	23.25	23.07	24.00
15	16QAM	1	0	23.18	23.36	23.15	24.00
15	16QAM	1	37	23.15	23.30	22.98	24.00
15	16QAM	1	74	23.13	23.21	23.10	24.00
15	16QAM	36	0	22.86	23.06	22.85	24.00
15	16QAM	36	20	22.80	22.91	22.72	24.00
15	16QAM	36	39	22.85	22.97	22.73	24.00
15	16QAM	75	0	22.84	22.98	22.77	24.00
15	64QAM	1	0	22.99	23.16	23.03	24.00
15	64QAM	1	37	23.07	23.17	22.95	24.00
15	64QAM	1	74	22.89	22.99	22.78	24.00
15	64QAM	36	0	22.07	22.06	21.86	23.00
15	64QAM	36	20	22.02	22.09	21.85	23.00
15	64QAM	36	39	21.92	22.07	22.00	23.00
15	64QAM	75	0	21.88	21.93	21.77	23.00
15	256QAM	1	0	19.81	20.05	19.81	21.00
15	256QAM	1	37	19.87	19.89	19.78	21.00
15	256QAM	1	74	19.81	19.99	19.81	21.00
15	256QAM	36	0	20.03	20.08	19.91	21.00
15	256QAM	36	20	19.97	20.05	19.93	21.00
15	256QAM	36	39	19.75	19.97	19.74	21.00
15	256QAM	75	0	19.71	19.94	19.75	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.33	23.37	23.29	24.00
10	QPSK	1	25	23.04	23.22	23.10	24.00
10	QPSK	1	49	23.03	23.25	23.20	24.00
10	QPSK	25	0	23.23	23.28	23.14	24.00
10	QPSK	25	12	23.18	23.34	23.05	24.00
10	QPSK	25	25	23.10	23.27	23.04	24.00
10	QPSK	50	0	23.25	23.28	23.12	24.00



10	16QAM	1	0	23.10	23.39	23.12	24.00
10	16QAM	1	25	23.15	23.26	22.91	24.00
10	16QAM	1	49	23.14	23.17	23.11	24.00
10	16QAM	25	0	22.84	23.06	22.87	24.00
10	16QAM	25	12	22.78	22.93	22.75	24.00
10	16QAM	25	25	22.81	22.99	22.70	24.00
10	16QAM	50	0	22.80	23.05	22.85	24.00
10	64QAM	1	0	23.07	23.15	22.95	24.00
10	64QAM	1	25	23.01	23.22	22.96	24.00
10	64QAM	1	49	22.93	22.89	22.66	24.00
10	64QAM	25	0	22.06	22.11	21.91	23.00
10	64QAM	25	12	21.94	22.11	21.87	23.00
10	64QAM	25	25	21.98	22.08	21.96	23.00
10	64QAM	50	0	21.82	21.92	21.77	23.00
10	256QAM	1	0	19.86	20.06	19.94	21.00
10	256QAM	1	25	19.78	19.93	19.73	21.00
10	256QAM	1	49	19.87	19.94	19.82	21.00
10	256QAM	25	0	19.91	20.07	19.95	21.00
10	256QAM	25	12	19.97	19.97	19.91	21.00
10	256QAM	25	25	19.81	19.98	19.77	21.00
10	256QAM	50	0	19.68	19.95	19.64	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.35	23.22	24.00
5	QPSK	1	12	23.15	23.31	23.13	24.00
5	QPSK	1	24	22.99	23.26	23.08	24.00
5	QPSK	12	0	23.22	23.35	23.15	24.00
5	QPSK	12	7	23.15	23.24	23.10	24.00
5	QPSK	12	13	23.08	23.14	23.04	24.00
5	QPSK	25	0	23.16	23.37	23.06	24.00
5	16QAM	1	0	23.11	23.26	23.15	24.00
5	16QAM	1	12	23.13	23.28	22.95	24.00
5	16QAM	1	24	23.07	23.26	23.00	24.00
5	16QAM	12	0	22.82	23.06	22.77	24.00
5	16QAM	12	7	22.82	22.94	22.73	24.00
5	16QAM	12	13	22.85	22.93	22.75	24.00
5	16QAM	25	0	22.79	23.07	22.86	24.00
5	64QAM	1	0	23.05	23.11	22.99	24.00
5	64QAM	1	12	23.07	23.18	22.89	24.00
5	64QAM	1	24	22.83	22.89	22.76	24.00
5	64QAM	12	0	22.09	22.12	21.91	23.00
5	64QAM	12	7	21.95	22.08	21.78	23.00
5	64QAM	12	13	21.94	22.13	21.93	23.00
5	64QAM	25	0	21.89	21.96	21.76	23.00
5	256QAM	1	0	19.81	20.09	19.87	21.00
5	256QAM	1	12	19.87	19.91	19.74	21.00
5	256QAM	1	24	19.85	19.99	19.86	21.00
5	256QAM	12	0	20.02	20.04	19.90	21.00
5	256QAM	12	7	19.86	20.05	19.85	21.00
5	256QAM	12	13	19.86	19.91	19.67	21.00
5	256QAM	25	0	19.69	19.83	19.72	21.00

【LTE Band 38_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.45	23.33	24.00
20	QPSK	1	49	23.18	23.34	23.16	24.00
20	QPSK	1	99	23.13	23.34	23.21	24.00
20	QPSK	50	0	23.28	23.42	23.22	24.00
20	QPSK	50	24	23.27	23.38	23.15	24.00
20	QPSK	50	50	23.14	23.29	23.07	24.00
20	QPSK	100	0	23.28	23.39	23.20	24.00
20	16QAM	1	0	23.22	23.41	23.17	24.00
20	16QAM	1	49	23.21	23.33	23.06	24.00
20	16QAM	1	99	23.18	23.28	23.14	24.00
20	16QAM	50	0	22.94	23.10	22.91	24.00
20	16QAM	50	24	22.91	23.05	22.86	24.00



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20	16QAM	50	50	22.94	23.03	22.80	24.00
20	16QAM	100	0	22.92	23.12	22.89	24.00
20	64QAM	1	0	23.14	23.23	23.07	24.00
20	64QAM	1	49	23.10	23.24	23.01	24.00
20	64QAM	1	99	22.94	23.03	22.80	24.00
20	64QAM	50	0	22.12	22.20	21.95	23.00
20	64QAM	50	24	22.03	22.13	21.90	23.00
20	64QAM	50	50	22.01	22.16	22.03	23.00
20	64QAM	100	0	21.93	22.05	21.81	23.00
20	256QAM	1	0	19.93	20.11	19.95	21.00
20	256QAM	1	49	19.89	20.04	19.86	21.00
20	256QAM	1	99	19.88	20.08	19.89	21.00
20	256QAM	50	0	20.04	20.17	20.05	21.00
20	256QAM	50	24	20.00	20.09	19.96	21.00
20	256QAM	50	50	19.90	20.00	19.79	21.00
20	256QAM	100	0	19.78	19.96	19.77	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.34	23.33	23.29	24.00
15	QPSK	1	37	23.08	23.32	23.15	24.00
15	QPSK	1	74	23.02	23.30	23.10	24.00
15	QPSK	36	0	23.20	23.31	23.16	24.00
15	QPSK	36	20	23.19	23.27	23.06	24.00
15	QPSK	36	39	23.05	23.26	22.96	24.00
15	QPSK	75	0	23.14	23.25	23.07	24.00
15	16QAM	1	0	23.18	23.36	23.15	24.00
15	16QAM	1	37	23.15	23.30	22.98	24.00
15	16QAM	1	74	23.13	23.21	23.10	24.00
15	16QAM	36	0	22.86	23.06	22.85	24.00
15	16QAM	36	20	22.80	22.91	22.72	24.00
15	16QAM	36	39	22.85	22.97	22.73	24.00
15	16QAM	75	0	22.84	22.98	22.77	24.00
15	64QAM	1	0	22.99	23.16	23.03	24.00
15	64QAM	1	37	23.07	23.17	22.95	24.00
15	64QAM	1	74	22.89	22.99	22.78	24.00
15	64QAM	36	0	22.07	22.06	21.86	23.00
15	64QAM	36	20	22.02	22.09	21.85	23.00
15	64QAM	36	39	21.92	22.07	22.00	23.00
15	64QAM	75	0	21.88	21.93	21.77	23.00
15	256QAM	1	0	19.81	20.05	19.81	21.00
15	256QAM	1	37	19.87	19.89	19.78	21.00
15	256QAM	1	74	19.81	19.99	19.81	21.00
15	256QAM	36	0	20.03	20.08	19.91	21.00
15	256QAM	36	20	19.97	20.05	19.93	21.00
15	256QAM	36	39	19.75	19.97	19.74	21.00
15	256QAM	75	0	19.71	19.94	19.75	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.33	23.37	23.29	24.00
10	QPSK	1	25	23.04	23.22	23.10	24.00
10	QPSK	1	49	23.03	23.25	23.20	24.00
10	QPSK	25	0	23.23	23.28	23.14	24.00
10	QPSK	25	12	23.18	23.34	23.05	24.00
10	QPSK	25	25	23.10	23.27	23.04	24.00
10	QPSK	50	0	23.25	23.28	23.12	24.00
10	16QAM	1	0	23.10	23.39	23.12	24.00
10	16QAM	1	25	23.15	23.26	22.91	24.00
10	16QAM	1	49	23.14	23.17	23.11	24.00
10	16QAM	25	0	22.84	23.06	22.87	24.00
10	16QAM	25	12	22.78	22.93	22.75	24.00
10	16QAM	25	25	22.81	22.99	22.70	24.00
10	16QAM	50	0	22.80	23.05	22.85	24.00
10	64QAM	1	0	23.07	23.15	22.95	24.00
10	64QAM	1	25	23.01	23.22	22.96	24.00
10	64QAM	1	49	22.93	22.89	22.66	24.00
10	64QAM	25	0	22.06	22.11	21.91	23.00
10	64QAM	25	12	21.94	22.11	21.87	23.00
10	64QAM	25	25	21.98	22.08	21.96	23.00
10	64QAM	50	0	21.82	21.92	21.77	23.00
10	256QAM	1	0	19.86	20.06	19.94	21.00
10	256QAM	1	25	19.78	19.93	19.73	21.00
10	256QAM	1	49	19.87	19.94	19.82	21.00
10	256QAM	25	0	19.91	20.07	19.95	21.00
10	256QAM	25	12	19.97	19.97	19.91	21.00



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10	256QAM	25	25	19.81	19.98	19.77	21.00
10	256QAM	50	0	19.68	19.95	19.64	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.35	23.22	24.00
5	QPSK	1	12	23.15	23.31	23.13	24.00
5	QPSK	1	24	22.99	23.26	23.08	24.00
5	QPSK	12	0	23.22	23.35	23.15	24.00
5	QPSK	12	7	23.15	23.24	23.10	24.00
5	QPSK	12	13	23.08	23.14	23.04	24.00
5	QPSK	25	0	23.16	23.37	23.06	24.00
5	16QAM	1	0	23.11	23.26	23.15	24.00
5	16QAM	1	12	23.13	23.28	22.95	24.00
5	16QAM	1	24	23.07	23.26	23.00	24.00
5	16QAM	12	0	22.82	23.06	22.77	24.00
5	16QAM	12	7	22.82	22.94	22.73	24.00
5	16QAM	12	13	22.85	22.93	22.75	24.00
5	16QAM	25	0	22.79	23.07	22.86	24.00
5	64QAM	1	0	23.05	23.11	22.99	24.00
5	64QAM	1	12	23.07	23.18	22.89	24.00
5	64QAM	1	24	22.83	22.89	22.76	24.00
5	64QAM	12	0	22.09	22.12	21.91	23.00
5	64QAM	12	7	21.95	22.08	21.78	23.00
5	64QAM	12	13	21.94	22.13	21.93	23.00
5	64QAM	25	0	21.89	21.96	21.76	23.00
5	256QAM	1	0	19.81	20.09	19.87	21.00
5	256QAM	1	12	19.87	19.91	19.74	21.00
5	256QAM	1	24	19.85	19.99	19.86	21.00
5	256QAM	12	0	20.02	20.04	19.90	21.00
5	256QAM	12	7	19.86	20.05	19.85	21.00
5	256QAM	12	13	19.86	19.91	19.67	21.00
5	256QAM	25	0	19.69	19.83	19.72	21.00

【LTE Band 38_Ant 8_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.45	23.33	24.00
20	QPSK	1	49	23.18	23.34	23.16	24.00
20	QPSK	1	99	23.13	23.34	23.21	24.00
20	QPSK	50	0	23.28	23.42	23.22	24.00
20	QPSK	50	24	23.27	23.38	23.15	24.00
20	QPSK	50	50	23.14	23.29	23.07	24.00
20	QPSK	100	0	23.28	23.39	23.20	24.00
20	16QAM	1	0	23.22	23.41	23.17	24.00
20	16QAM	1	49	23.21	23.33	23.06	24.00
20	16QAM	1	99	23.18	23.28	23.14	24.00
20	16QAM	50	0	22.94	23.10	22.91	24.00
20	16QAM	50	24	22.91	23.05	22.86	24.00
20	16QAM	50	50	22.94	23.03	22.80	24.00
20	16QAM	100	0	22.92	23.12	22.89	24.00
20	64QAM	1	0	23.14	23.23	23.07	24.00
20	64QAM	1	49	23.10	23.24	23.01	24.00
20	64QAM	1	99	22.94	23.03	22.80	24.00
20	64QAM	50	0	22.12	22.20	21.95	23.00
20	64QAM	50	24	22.03	22.13	21.90	23.00
20	64QAM	50	50	22.01	22.16	22.03	23.00
20	64QAM	100	0	21.93	22.05	21.81	23.00
20	256QAM	1	0	19.93	20.11	19.95	21.00
20	256QAM	1	49	19.89	20.04	19.86	21.00
20	256QAM	1	99	19.88	20.08	19.89	21.00
20	256QAM	50	0	20.04	20.17	20.05	21.00
20	256QAM	50	24	20.00	20.09	19.96	21.00
20	256QAM	50	50	19.90	20.00	19.79	21.00
20	256QAM	100	0	19.78	19.96	19.77	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.34	23.33	23.29	24.00



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15	QPSK	1	37	23.08	23.32	23.15	24.00
15	QPSK	1	74	23.02	23.30	23.10	24.00
15	QPSK	36	0	23.20	23.31	23.16	24.00
15	QPSK	36	20	23.19	23.27	23.06	24.00
15	QPSK	36	39	23.05	23.26	22.96	24.00
15	QPSK	75	0	23.14	23.25	23.07	24.00
15	16QAM	1	0	23.18	23.36	23.15	24.00
15	16QAM	1	37	23.15	23.30	22.98	24.00
15	16QAM	1	74	23.13	23.21	23.10	24.00
15	16QAM	36	0	22.86	23.06	22.85	24.00
15	16QAM	36	20	22.80	22.91	22.72	24.00
15	16QAM	36	39	22.85	22.97	22.73	24.00
15	16QAM	75	0	22.84	22.98	22.77	24.00
15	64QAM	1	0	22.99	23.16	23.03	24.00
15	64QAM	1	37	23.07	23.17	22.95	24.00
15	64QAM	1	74	22.89	22.99	22.78	24.00
15	64QAM	36	0	22.07	22.06	21.86	23.00
15	64QAM	36	20	22.02	22.09	21.85	23.00
15	64QAM	36	39	21.92	22.07	22.00	23.00
15	64QAM	75	0	21.88	21.93	21.77	23.00
15	256QAM	1	0	19.81	20.05	19.81	21.00
15	256QAM	1	37	19.87	19.89	19.78	21.00
15	256QAM	1	74	19.81	19.99	19.81	21.00
15	256QAM	36	0	20.03	20.08	19.91	21.00
15	256QAM	36	20	19.97	20.05	19.93	21.00
15	256QAM	36	39	19.75	19.97	19.74	21.00
15	256QAM	75	0	19.71	19.94	19.75	21.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.33	23.37	23.29	24.00
10	QPSK	1	25	23.04	23.22	23.10	24.00
10	QPSK	1	49	23.03	23.25	23.20	24.00
10	QPSK	25	0	23.23	23.28	23.14	24.00
10	QPSK	25	12	23.18	23.34	23.05	24.00
10	QPSK	25	25	23.10	23.27	23.04	24.00
10	QPSK	50	0	23.25	23.28	23.12	24.00
10	16QAM	1	0	23.10	23.39	23.12	24.00
10	16QAM	1	25	23.15	23.26	22.91	24.00
10	16QAM	1	49	23.14	23.17	23.11	24.00
10	16QAM	25	0	22.84	23.06	22.87	24.00
10	16QAM	25	12	22.78	22.93	22.75	24.00
10	16QAM	25	25	22.81	22.99	22.70	24.00
10	16QAM	50	0	22.80	23.05	22.85	24.00
10	64QAM	1	0	23.07	23.15	22.95	24.00
10	64QAM	1	25	23.01	23.22	22.96	24.00
10	64QAM	1	49	22.93	22.89	22.66	24.00
10	64QAM	25	0	22.06	22.11	21.91	23.00
10	64QAM	25	12	21.94	22.11	21.87	23.00
10	64QAM	25	25	21.98	22.08	21.96	23.00
10	64QAM	50	0	21.82	21.92	21.77	23.00
10	256QAM	1	0	19.86	20.06	19.94	21.00
10	256QAM	1	25	19.78	19.93	19.73	21.00
10	256QAM	1	49	19.87	19.94	19.82	21.00
10	256QAM	25	0	19.91	20.07	19.95	21.00
10	256QAM	25	12	19.97	19.97	19.91	21.00
10	256QAM	25	25	19.81	19.98	19.77	21.00
10	256QAM	50	0	19.68	19.95	19.64	21.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.32	23.35	23.22	24.00
5	QPSK	1	12	23.15	23.31	23.13	24.00
5	QPSK	1	24	22.99	23.26	23.08	24.00
5	QPSK	12	0	23.22	23.35	23.15	24.00
5	QPSK	12	7	23.15	23.24	23.10	24.00
5	QPSK	12	13	23.08	23.14	23.04	24.00
5	QPSK	25	0	23.16	23.37	23.06	24.00
5	16QAM	1	0	23.11	23.26	23.15	24.00
5	16QAM	1	12	23.13	23.28	22.95	24.00
5	16QAM	1	24	23.07	23.26	23.00	24.00
5	16QAM	12	0	22.82	23.06	22.77	24.00
5	16QAM	12	7	22.82	22.94	22.73	24.00
5	16QAM	12	13	22.85	22.93	22.75	24.00
5	16QAM	25	0	22.79	23.07	22.86	24.00
5	64QAM	1	0	23.05	23.11	22.99	24.00



5	64QAM	1	12	23.07	23.18	22.89	24.00
5	64QAM	1	24	22.83	22.89	22.76	24.00
5	64QAM	12	0	22.09	22.12	21.91	23.00
5	64QAM	12	7	21.95	22.08	21.78	23.00
5	64QAM	12	13	21.94	22.13	21.93	23.00
5	64QAM	25	0	21.89	21.96	21.76	23.00
5	256QAM	1	0	19.81	20.09	19.87	21.00
5	256QAM	1	12	19.87	19.91	19.74	21.00
5	256QAM	1	24	19.85	19.99	19.86	21.00
5	256QAM	12	0	20.02	20.04	19.90	21.00
5	256QAM	12	7	19.86	20.05	19.85	21.00
5	256QAM	12	13	19.86	19.91	19.67	21.00
5	256QAM	25	0	19.69	19.83	19.72	21.00

【LTE Band 38_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.45	23.33	24.00
20	QPSK	1	49	23.18	23.34	23.16	24.00
20	QPSK	1	99	23.13	23.34	23.21	24.00
20	QPSK	50	0	23.28	23.42	23.22	24.00
20	QPSK	50	24	23.27	23.38	23.15	24.00
20	QPSK	50	50	23.14	23.29	23.07	24.00
20	QPSK	100	0	23.28	23.39	23.20	24.00
20	16QAM	1	0	23.22	23.41	23.17	24.00
20	16QAM	1	49	23.21	23.33	23.06	24.00
20	16QAM	1	99	23.18	23.28	23.14	24.00
20	16QAM	50	0	22.94	23.10	22.91	24.00
20	16QAM	50	24	22.91	23.05	22.86	24.00
20	16QAM	50	50	22.94	23.03	22.80	24.00
20	16QAM	100	0	22.92	23.12	22.89	24.00
20	64QAM	1	0	23.14	23.23	23.07	24.00
20	64QAM	1	49	23.10	23.24	23.01	24.00
20	64QAM	1	99	22.94	23.03	22.80	24.00
20	64QAM	50	0	22.12	22.20	21.95	23.00
20	64QAM	50	24	22.03	22.13	21.90	23.00
20	64QAM	50	50	22.01	22.16	22.03	23.00
20	64QAM	100	0	21.93	22.05	21.81	23.00
20	256QAM	1	0	19.93	20.11	19.95	21.00
20	256QAM	1	49	19.89	20.04	19.86	21.00
20	256QAM	1	99	19.88	20.08	19.89	21.00
20	256QAM	50	0	20.04	20.17	20.05	21.00
20	256QAM	50	24	20.00	20.09	19.96	21.00
20	256QAM	50	50	19.90	20.00	19.79	21.00
20	256QAM	100	0	19.78	19.96	19.77	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.34	23.33	23.29	24.00
15	QPSK	1	37	23.08	23.32	23.15	24.00
15	QPSK	1	74	23.02	23.30	23.10	24.00
15	QPSK	36	0	23.20	23.31	23.16	24.00
15	QPSK	36	20	23.19	23.27	23.06	24.00
15	QPSK	36	39	23.05	23.26	22.96	24.00
15	QPSK	75	0	23.14	23.25	23.07	24.00
15	16QAM	1	0	23.18	23.36	23.15	24.00
15	16QAM	1	37	23.15	23.30	22.98	24.00
15	16QAM	1	74	23.13	23.21	23.10	24.00
15	16QAM	36	0	22.86	23.06	22.85	24.00
15	16QAM	36	20	22.80	22.91	22.72	24.00
15	16QAM	36	39	22.85	22.97	22.73	24.00
15	16QAM	75	0	22.84	22.98	22.77	24.00
15	64QAM	1	0	22.99	23.16	23.03	24.00
15	64QAM	1	37	23.07	23.17	22.95	24.00
15	64QAM	1	74	22.89	22.99	22.78	24.00
15	64QAM	36	0	22.07	22.06	21.86	23.00
15	64QAM	36	20	22.02	22.09	21.85	23.00
15	64QAM	36	39	21.92	22.07	22.00	23.00



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15	64QAM	75	0	21.88	21.93	21.77	23.00
15	256QAM	1	0	19.81	20.05	19.81	21.00
15	256QAM	1	37	19.87	19.89	19.78	21.00
15	256QAM	1	74	19.81	19.99	19.81	21.00
15	256QAM	36	0	20.03	20.08	19.91	21.00
15	256QAM	36	20	19.97	20.05	19.93	21.00
15	256QAM	36	39	19.75	19.97	19.74	21.00
15	256QAM	75	0	19.71	19.94	19.75	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.33	23.37	23.29	24.00
10	QPSK	1	25	23.04	23.22	23.10	24.00
10	QPSK	1	49	23.03	23.25	23.20	24.00
10	QPSK	25	0	23.23	23.28	23.14	24.00
10	QPSK	25	12	23.18	23.34	23.05	24.00
10	QPSK	25	25	23.10	23.27	23.04	24.00
10	QPSK	50	0	23.25	23.28	23.12	24.00
10	16QAM	1	0	23.10	23.39	23.12	24.00
10	16QAM	1	25	23.15	23.26	22.91	24.00
10	16QAM	1	49	23.14	23.17	23.11	24.00
10	16QAM	25	0	22.84	23.06	22.87	24.00
10	16QAM	25	12	22.78	22.93	22.75	24.00
10	16QAM	25	25	22.81	22.99	22.70	24.00
10	16QAM	50	0	22.80	23.05	22.85	24.00
10	64QAM	1	0	23.07	23.15	22.95	24.00
10	64QAM	1	25	23.01	23.22	22.96	24.00
10	64QAM	1	49	22.93	22.89	22.66	24.00
10	64QAM	25	0	22.06	22.11	21.91	23.00
10	64QAM	25	12	21.94	22.11	21.87	23.00
10	64QAM	25	25	21.98	22.08	21.96	23.00
10	64QAM	50	0	21.82	21.92	21.77	23.00
10	256QAM	1	0	19.86	20.06	19.94	21.00
10	256QAM	1	25	19.78	19.93	19.73	21.00
10	256QAM	1	49	19.87	19.94	19.82	21.00
10	256QAM	25	0	19.91	20.07	19.95	21.00
10	256QAM	25	12	19.97	19.97	19.91	21.00
10	256QAM	25	25	19.81	19.98	19.77	21.00
10	256QAM	50	0	19.68	19.95	19.64	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.35	23.22	24.00
5	QPSK	1	12	23.15	23.31	23.13	24.00
5	QPSK	1	24	22.99	23.26	23.08	24.00
5	QPSK	12	0	23.22	23.35	23.15	24.00
5	QPSK	12	7	23.15	23.24	23.10	24.00
5	QPSK	12	13	23.08	23.14	23.04	24.00
5	QPSK	25	0	23.16	23.37	23.06	24.00
5	16QAM	1	0	23.11	23.26	23.15	24.00
5	16QAM	1	12	23.13	23.28	22.95	24.00
5	16QAM	1	24	23.07	23.26	23.00	24.00
5	16QAM	12	0	22.82	23.06	22.77	24.00
5	16QAM	12	7	22.82	22.94	22.73	24.00
5	16QAM	12	13	22.85	22.93	22.75	24.00
5	16QAM	25	0	22.79	23.07	22.86	24.00
5	64QAM	1	0	23.05	23.11	22.99	24.00
5	64QAM	1	12	23.07	23.18	22.89	24.00
5	64QAM	1	24	22.83	22.89	22.76	24.00
5	64QAM	12	0	22.09	22.12	21.91	23.00
5	64QAM	12	7	21.95	22.08	21.78	23.00
5	64QAM	12	13	21.94	22.13	21.93	23.00
5	64QAM	25	0	21.89	21.96	21.76	23.00
5	256QAM	1	0	19.81	20.09	19.87	21.00
5	256QAM	1	12	19.87	19.91	19.74	21.00
5	256QAM	1	24	19.85	19.99	19.86	21.00
5	256QAM	12	0	20.02	20.04	19.90	21.00
5	256QAM	12	7	19.86	20.05	19.85	21.00
5	256QAM	12	13	19.86	19.91	19.67	21.00
5	256QAM	25	0	19.69	19.83	19.72	21.00



【LTE Band 38_Ant 8_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.38	23.45	23.33	24.00
20	QPSK	1	49	23.18	23.34	23.16	24.00
20	QPSK	1	99	23.13	23.34	23.21	24.00
20	QPSK	50	0	23.28	23.42	23.22	24.00
20	QPSK	50	24	23.27	23.38	23.15	24.00
20	QPSK	50	50	23.14	23.29	23.07	24.00
20	QPSK	100	0	23.28	23.39	23.20	24.00
20	16QAM	1	0	23.22	23.41	23.17	24.00
20	16QAM	1	49	23.21	23.33	23.06	24.00
20	16QAM	1	99	23.18	23.28	23.14	24.00
20	16QAM	50	0	22.94	23.10	22.91	24.00
20	16QAM	50	24	22.91	23.05	22.86	24.00
20	16QAM	50	50	22.94	23.03	22.80	24.00
20	16QAM	100	0	22.92	23.12	22.89	24.00
20	64QAM	1	0	23.14	23.23	23.07	24.00
20	64QAM	1	49	23.10	23.24	23.01	24.00
20	64QAM	1	99	22.94	23.03	22.80	24.00
20	64QAM	50	0	22.12	22.20	21.95	23.00
20	64QAM	50	24	22.03	22.13	21.90	23.00
20	64QAM	50	50	22.01	22.16	22.03	23.00
20	64QAM	100	0	21.93	22.05	21.81	23.00
20	256QAM	1	0	19.93	20.11	19.95	21.00
20	256QAM	1	49	19.89	20.04	19.86	21.00
20	256QAM	1	99	19.88	20.08	19.89	21.00
20	256QAM	50	0	20.04	20.17	20.05	21.00
20	256QAM	50	24	20.00	20.09	19.96	21.00
20	256QAM	50	50	19.90	20.00	19.79	21.00
20	256QAM	100	0	19.78	19.96	19.77	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.34	23.33	23.29	24.00
15	QPSK	1	37	23.08	23.32	23.15	24.00
15	QPSK	1	74	23.02	23.30	23.10	24.00
15	QPSK	36	0	23.20	23.31	23.16	24.00
15	QPSK	36	20	23.19	23.27	23.06	24.00
15	QPSK	36	39	23.05	23.26	22.96	24.00
15	QPSK	75	0	23.14	23.25	23.07	24.00
15	16QAM	1	0	23.18	23.36	23.15	24.00
15	16QAM	1	37	23.15	23.30	22.98	24.00
15	16QAM	1	74	23.13	23.21	23.10	24.00
15	16QAM	36	0	22.86	23.06	22.85	24.00
15	16QAM	36	20	22.80	22.91	22.72	24.00
15	16QAM	36	39	22.85	22.97	22.73	24.00
15	16QAM	75	0	22.84	22.98	22.77	24.00
15	64QAM	1	0	22.99	23.16	23.03	24.00
15	64QAM	1	37	23.07	23.17	22.95	24.00
15	64QAM	1	74	22.89	22.99	22.78	24.00
15	64QAM	36	0	22.07	22.06	21.86	23.00
15	64QAM	36	20	22.02	22.09	21.85	23.00
15	64QAM	36	39	21.92	22.07	22.00	23.00
15	64QAM	75	0	21.88	21.93	21.77	23.00
15	256QAM	1	0	19.81	20.05	19.81	21.00
15	256QAM	1	37	19.87	19.89	19.78	21.00
15	256QAM	1	74	19.81	19.99	19.81	21.00
15	256QAM	36	0	20.03	20.08	19.91	21.00
15	256QAM	36	20	19.97	20.05	19.93	21.00
15	256QAM	36	39	19.75	19.97	19.74	21.00
15	256QAM	75	0	19.71	19.94	19.75	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.33	23.37	23.29	24.00
10	QPSK	1	25	23.04	23.22	23.10	24.00
10	QPSK	1	49	23.03	23.25	23.20	24.00
10	QPSK	25	0	23.23	23.28	23.14	24.00
10	QPSK	25	12	23.18	23.34	23.05	24.00
10	QPSK	25	25	23.10	23.27	23.04	24.00
10	QPSK	50	0	23.25	23.28	23.12	24.00



10	16QAM	1	0	23.10	23.39	23.12	24.00
10	16QAM	1	25	23.15	23.26	22.91	24.00
10	16QAM	1	49	23.14	23.17	23.11	24.00
10	16QAM	25	0	22.84	23.06	22.87	24.00
10	16QAM	25	12	22.78	22.93	22.75	24.00
10	16QAM	25	25	22.81	22.99	22.70	24.00
10	16QAM	50	0	22.80	23.05	22.85	24.00
10	64QAM	1	0	23.07	23.15	22.95	24.00
10	64QAM	1	25	23.01	23.22	22.96	24.00
10	64QAM	1	49	22.93	22.89	22.66	24.00
10	64QAM	25	0	22.06	22.11	21.91	23.00
10	64QAM	25	12	21.94	22.11	21.87	23.00
10	64QAM	25	25	21.98	22.08	21.96	23.00
10	64QAM	50	0	21.82	21.92	21.77	23.00
10	256QAM	1	0	19.86	20.06	19.94	21.00
10	256QAM	1	25	19.78	19.93	19.73	21.00
10	256QAM	1	49	19.87	19.94	19.82	21.00
10	256QAM	25	0	19.91	20.07	19.95	21.00
10	256QAM	25	12	19.97	19.97	19.91	21.00
10	256QAM	25	25	19.81	19.98	19.77	21.00
10	256QAM	50	0	19.68	19.95	19.64	21.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.32	23.35	23.22	24.00
5	QPSK	1	12	23.15	23.31	23.13	24.00
5	QPSK	1	24	22.99	23.26	23.08	24.00
5	QPSK	12	0	23.22	23.35	23.15	24.00
5	QPSK	12	7	23.15	23.24	23.10	24.00
5	QPSK	12	13	23.08	23.14	23.04	24.00
5	QPSK	25	0	23.16	23.37	23.06	24.00
5	16QAM	1	0	23.11	23.26	23.15	24.00
5	16QAM	1	12	23.13	23.28	22.95	24.00
5	16QAM	1	24	23.07	23.26	23.00	24.00
5	16QAM	12	0	22.82	23.06	22.77	24.00
5	16QAM	12	7	22.82	22.94	22.73	24.00
5	16QAM	12	13	22.85	22.93	22.75	24.00
5	16QAM	25	0	22.79	23.07	22.86	24.00
5	64QAM	1	0	23.05	23.11	22.99	24.00
5	64QAM	1	12	23.07	23.18	22.89	24.00
5	64QAM	1	24	22.83	22.89	22.76	24.00
5	64QAM	12	0	22.09	22.12	21.91	23.00
5	64QAM	12	7	21.95	22.08	21.78	23.00
5	64QAM	12	13	21.94	22.13	21.93	23.00
5	64QAM	25	0	21.89	21.96	21.76	23.00
5	256QAM	1	0	19.81	20.09	19.87	21.00
5	256QAM	1	12	19.87	19.91	19.74	21.00
5	256QAM	1	24	19.85	19.99	19.86	21.00
5	256QAM	12	0	20.02	20.04	19.90	21.00
5	256QAM	12	7	19.86	20.05	19.85	21.00
5	256QAM	12	13	19.86	19.91	19.67	21.00
5	256QAM	25	0	19.69	19.83	19.72	21.00

【LTE Band 38_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.62	20.65	20.62	21.70
20	QPSK	1	49	20.49	20.57	20.52	21.70
20	QPSK	1	99	20.61	20.55	20.40	21.70
20	QPSK	50	0	20.41	20.62	20.60	21.70
20	QPSK	50	24	20.39	20.44	20.57	21.70
20	QPSK	50	50	20.58	20.47	20.50	21.70
20	QPSK	100	0	20.51	20.46	20.43	21.70
20	16QAM	1	0	20.46	20.55	20.46	21.70
20	16QAM	1	49	20.42	20.41	20.61	21.70
20	16QAM	1	99	20.48	20.45	20.52	21.70
20	16QAM	50	0	20.53	20.48	20.38	21.70
20	16QAM	50	24	20.39	20.59	20.44	21.70



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20	16QAM	50	50	20.56	20.48	20.50	21.70
20	16QAM	100	0	20.59	20.59	20.43	21.70
20	64QAM	1	0	20.49	20.41	20.61	21.70
20	64QAM	1	49	20.49	20.54	20.58	21.70
20	64QAM	1	99	20.41	20.56	20.56	21.70
20	64QAM	50	0	20.53	20.57	20.56	21.70
20	64QAM	50	24	20.44	20.51	20.48	21.70
20	64QAM	50	50	20.49	20.57	20.50	21.70
20	64QAM	100	0	20.46	20.40	20.50	21.70
20	256QAM	1	0	19.76	19.81	19.72	21.00
20	256QAM	1	49	19.70	19.89	19.90	21.00
20	256QAM	1	99	19.70	19.73	19.92	21.00
20	256QAM	50	0	19.78	19.76	19.83	21.00
20	256QAM	50	24	19.88	19.78	19.89	21.00
20	256QAM	50	50	19.71	19.81	19.77	21.00
20	256QAM	100	0	19.91	19.90	19.80	21.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.48	20.52	20.56	21.70
15	QPSK	1	37	20.45	20.42	20.44	21.70
15	QPSK	1	74	20.48	20.45	20.27	21.70
15	QPSK	36	0	20.34	20.60	20.55	21.70
15	QPSK	36	20	20.24	20.38	20.55	21.70
15	QPSK	36	39	20.45	20.43	20.41	21.70
15	QPSK	75	0	20.47	20.33	20.31	21.70
15	16QAM	1	0	20.31	20.52	20.33	21.70
15	16QAM	1	37	20.41	20.36	20.49	21.70
15	16QAM	1	74	20.47	20.37	20.49	21.70
15	16QAM	36	0	20.52	20.42	20.30	21.70
15	16QAM	36	20	20.31	20.53	20.38	21.70
15	16QAM	36	39	20.46	20.34	20.47	21.70
15	16QAM	75	0	20.54	20.51	20.33	21.70
15	64QAM	1	0	20.44	20.36	20.50	21.70
15	64QAM	1	37	20.43	20.52	20.47	21.70
15	64QAM	1	74	20.30	20.48	20.42	21.70
15	64QAM	36	0	20.50	20.47	20.53	21.70
15	64QAM	36	20	20.34	20.46	20.34	21.70
15	64QAM	36	39	20.48	20.49	20.45	21.70
15	64QAM	75	0	20.41	20.28	20.38	21.70
15	256QAM	1	0	19.75	19.75	19.64	21.00
15	256QAM	1	37	19.67	19.83	19.86	21.00
15	256QAM	1	74	19.65	19.62	19.86	21.00
15	256QAM	36	0	19.69	19.63	19.81	21.00
15	256QAM	36	20	19.86	19.66	19.84	21.00
15	256QAM	36	39	19.58	19.78	19.62	21.00
15	256QAM	75	0	19.79	19.84	19.67	21.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.55	20.62	20.56	21.70
10	QPSK	1	25	20.36	20.49	20.46	21.70
10	QPSK	1	49	20.52	20.52	20.31	21.70
10	QPSK	25	0	20.27	20.51	20.55	21.70
10	QPSK	25	12	20.32	20.32	20.48	21.70
10	QPSK	25	25	20.52	20.39	20.48	21.70
10	QPSK	50	0	20.43	20.42	20.36	21.70
10	16QAM	1	0	20.34	20.46	20.40	21.70
10	16QAM	1	25	20.37	20.38	20.55	21.70
10	16QAM	1	49	20.33	20.35	20.51	21.70
10	16QAM	25	0	20.48	20.35	20.33	21.70
10	16QAM	25	12	20.33	20.45	20.38	21.70
10	16QAM	25	25	20.49	20.35	20.37	21.70
10	16QAM	50	0	20.55	20.54	20.30	21.70
10	64QAM	1	0	20.40	20.32	20.54	21.70
10	64QAM	1	25	20.37	20.53	20.44	21.70
10	64QAM	1	49	20.37	20.41	20.45	21.70
10	64QAM	25	0	20.40	20.51	20.52	21.70
10	64QAM	25	12	20.34	20.40	20.36	21.70
10	64QAM	25	25	20.45	20.51	20.40	21.70
10	64QAM	50	0	20.40	20.33	20.42	21.70
10	256QAM	1	0	19.63	19.71	19.68	21.00
10	256QAM	1	25	19.62	19.86	19.83	21.00
10	256QAM	1	49	19.65	19.69	19.79	21.00
10	256QAM	25	0	19.71	19.73	19.70	21.00
10	256QAM	25	12	19.83	19.74	19.74	21.00



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10	256QAM	25	25	19.57	19.76	19.68	21.00
10	256QAM	50	0	19.86	19.87	19.70	21.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.51	20.60	20.57	21.70
5	QPSK	1	12	20.35	20.49	20.43	21.70
5	QPSK	1	24	20.47	20.45	20.38	21.70
5	QPSK	12	0	20.38	20.49	20.51	21.70
5	QPSK	12	7	20.28	20.43	20.51	21.70
5	QPSK	12	13	20.52	20.32	20.45	21.70
5	QPSK	25	0	20.46	20.33	20.36	21.70
5	16QAM	1	0	20.42	20.51	20.39	21.70
5	16QAM	1	12	20.38	20.35	20.51	21.70
5	16QAM	1	24	20.35	20.36	20.44	21.70
5	16QAM	12	0	20.40	20.38	20.37	21.70
5	16QAM	12	7	20.30	20.54	20.36	21.70
5	16QAM	12	13	20.47	20.35	20.46	21.70
5	16QAM	25	0	20.55	20.54	20.35	21.70
5	64QAM	1	0	20.39	20.29	20.48	21.70
5	64QAM	1	12	20.39	20.46	20.43	21.70
5	64QAM	1	24	20.29	20.43	20.49	21.70
5	64QAM	12	0	20.44	20.49	20.52	21.70
5	64QAM	12	7	20.37	20.48	20.46	21.70
5	64QAM	12	13	20.37	20.53	20.41	21.70
5	64QAM	25	0	20.32	20.30	20.40	21.70
5	256QAM	1	0	19.63	19.70	19.62	21.00
5	256QAM	1	12	19.63	19.74	19.79	21.00
5	256QAM	1	24	19.57	19.62	19.86	21.00
5	256QAM	12	0	19.76	19.62	19.81	21.00
5	256QAM	12	7	19.81	19.65	19.77	21.00
5	256QAM	12	13	19.67	19.73	19.65	21.00
5	256QAM	25	0	19.79	19.86	19.69	21.00

【LTE Band 41_FCC (2496~2690MHz)_Ant

1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.44	23.48	23.51	23.41	23.45	24.00
20	QPSK	1	49	23.36	23.37	23.48	23.30	23.33	24.00
20	QPSK	1	99	23.26	23.25	23.42	23.24	23.25	24.00
20	QPSK	50	0	22.39	22.47	22.55	22.39	22.48	23.00
20	QPSK	50	24	22.40	22.37	22.51	22.36	22.38	23.00
20	QPSK	50	50	22.33	22.40	22.49	22.38	22.40	23.00
20	QPSK	100	0	22.36	22.40	22.46	22.29	22.34	23.00
20	16QAM	1	0	22.25	22.39	22.44	22.30	22.30	23.00
20	16QAM	1	49	22.20	22.36	22.41	22.18	22.28	23.00
20	16QAM	1	99	22.36	22.36	22.45	22.33	22.37	23.00
20	16QAM	50	0	21.34	21.37	21.49	21.28	21.41	22.00
20	16QAM	50	24	21.23	21.30	21.42	21.19	21.33	22.00
20	16QAM	50	50	21.35	21.34	21.45	21.34	21.32	22.00
20	16QAM	100	0	21.26	21.30	21.43	21.30	21.26	22.00
20	64QAM	1	0	22.40	22.32	22.48	22.25	22.36	23.00
20	64QAM	1	49	22.28	22.26	22.43	22.20	22.23	23.00
20	64QAM	1	99	22.26	22.31	22.41	22.24	22.30	23.00
20	64QAM	50	0	20.41	20.40	20.52	20.41	20.45	21.00
20	64QAM	50	24	20.35	20.34	20.48	20.31	20.39	21.00
20	64QAM	50	50	20.35	20.41	20.45	20.30	20.34	21.00
20	64QAM	100	0	20.33	20.29	20.43	20.22	20.27	21.00
20	256QAM	1	0	18.46	18.50	18.55	18.39	18.37	19.00
20	256QAM	1	49	18.39	18.44	18.53	18.38	18.35	19.00
20	256QAM	1	99	18.34	18.43	18.48	18.28	18.30	19.00
20	256QAM	50	0	18.29	18.31	18.42	18.29	18.24	19.00
20	256QAM	50	24	18.34	18.37	18.43	18.26	18.33	19.00
20	256QAM	50	50	18.38	18.33	18.46	18.29	18.29	19.00
20	256QAM	100	0	18.22	18.33	18.40	18.19	18.22	19.00
Channel				39725	40173	40620	41068	41515	Tune-up



Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	limit (dBm)
15	QPSK	1	0	23.35	23.38	23.41	23.37	23.35	24.00
15	QPSK	1	37	23.30	23.31	23.38	23.24	23.26	24.00
15	QPSK	1	74	23.20	23.11	23.39	23.17	23.17	24.00
15	QPSK	36	0	22.33	22.45	22.47	22.26	22.42	23.00
15	QPSK	36	20	22.26	22.34	22.39	22.22	22.34	23.00
15	QPSK	36	39	22.19	22.38	22.46	22.33	22.29	23.00
15	QPSK	75	0	22.31	22.34	22.37	22.16	22.32	23.00
15	16QAM	1	0	22.15	22.29	22.32	22.19	22.15	23.00
15	16QAM	1	37	22.11	22.31	22.31	22.15	22.18	23.00
15	16QAM	1	74	22.29	22.26	22.36	22.26	22.30	23.00
15	16QAM	36	0	21.30	21.35	21.38	21.23	21.36	22.00
15	16QAM	36	20	21.18	21.27	21.36	21.05	21.22	22.00
15	16QAM	36	39	21.24	21.32	21.38	21.25	21.27	22.00
15	16QAM	75	0	21.20	21.28	21.28	21.25	21.13	22.00
15	64QAM	1	0	22.35	22.29	22.46	22.12	22.27	23.00
15	64QAM	1	37	22.25	22.13	22.39	22.07	22.10	23.00
15	64QAM	1	74	22.14	22.25	22.28	22.18	22.29	23.00
15	64QAM	36	0	20.30	20.35	20.44	20.32	20.42	21.00
15	64QAM	36	20	20.20	20.27	20.37	20.25	20.34	21.00
15	64QAM	36	39	20.23	20.27	20.35	20.26	20.25	21.00
15	64QAM	75	0	20.25	20.18	20.31	20.09	20.15	21.00
15	256QAM	1	0	18.39	18.42	18.48	18.28	18.26	19.00
15	256QAM	1	37	18.28	18.42	18.40	18.25	18.22	19.00
15	256QAM	1	74	18.29	18.38	18.33	18.26	18.16	19.00
15	256QAM	36	0	18.24	18.18	18.37	18.23	18.22	19.00
15	256QAM	36	20	18.21	18.31	18.34	18.15	18.28	19.00
15	256QAM	36	39	18.29	18.28	18.37	18.19	18.25	19.00
15	256QAM	75	0	18.13	18.22	18.39	18.14	18.08	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.43	23.44	23.47	23.34	23.34	24.00
10	QPSK	1	25	23.29	23.29	23.37	23.23	23.21	24.00
10	QPSK	1	49	23.15	23.16	23.34	23.12	23.22	24.00
10	QPSK	25	0	22.24	22.33	22.42	22.31	22.44	23.00
10	QPSK	25	12	22.38	22.28	22.38	22.24	22.30	23.00
10	QPSK	25	25	22.21	22.36	22.37	22.31	22.37	23.00
10	QPSK	50	0	22.33	22.33	22.42	22.16	22.30	23.00
10	16QAM	1	0	22.23	22.24	22.33	22.23	22.16	23.00
10	16QAM	1	25	22.18	22.32	22.39	22.07	22.17	23.00
10	16QAM	1	49	22.22	22.33	22.32	22.23	22.23	23.00
10	16QAM	25	0	21.22	21.36	21.44	21.23	21.34	22.00
10	16QAM	25	12	21.17	21.20	21.37	21.05	21.25	22.00
10	16QAM	25	25	21.34	21.31	21.42	21.32	21.31	22.00
10	16QAM	50	0	21.21	21.17	21.34	21.29	21.20	22.00
10	64QAM	1	0	22.31	22.30	22.39	22.21	22.27	23.00
10	64QAM	1	25	22.22	22.16	22.30	22.12	22.10	23.00
10	64QAM	1	49	22.18	22.30	22.36	22.19	22.18	23.00
10	64QAM	25	0	20.39	20.26	20.40	20.27	20.40	21.00
10	64QAM	25	12	20.28	20.23	20.33	20.16	20.33	21.00
10	64QAM	25	25	20.33	20.30	20.39	20.20	20.25	21.00
10	64QAM	50	0	20.20	20.24	20.39	20.12	20.26	21.00
10	256QAM	1	0	18.43	18.43	18.42	18.32	18.33	19.00
10	256QAM	1	25	18.27	18.40	18.47	18.27	18.27	19.00
10	256QAM	1	49	18.24	18.39	18.40	18.22	18.24	19.00
10	256QAM	25	0	18.15	18.28	18.33	18.15	18.12	19.00
10	256QAM	25	12	18.31	18.33	18.35	18.12	18.23	19.00
10	256QAM	25	25	18.30	18.19	18.43	18.27	18.24	19.00
10	256QAM	50	0	18.17	18.23	18.36	18.07	18.11	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.41	23.33	23.39	23.33	23.34	24.00
5	QPSK	1	12	23.25	23.24	23.34	23.29	23.20	24.00
5	QPSK	1	24	23.18	23.15	23.39	23.10	23.19	24.00
5	QPSK	12	0	22.28	22.36	22.48	22.25	22.38	23.00
5	QPSK	12	7	22.33	22.27	22.42	22.28	22.23	23.00
5	QPSK	12	13	22.30	22.30	22.37	22.36	22.32	23.00
5	QPSK	25	0	22.30	22.27	22.37	22.22	22.27	23.00
5	16QAM	1	0	22.15	22.24	22.37	22.23	22.17	23.00
5	16QAM	1	12	22.09	22.22	22.34	22.09	22.26	23.00
5	16QAM	1	24	22.33	22.23	22.33	22.23	22.35	23.00
5	16QAM	12	0	21.31	21.35	21.44	21.22	21.29	22.00



5	16QAM	12	7	21.09	21.25	21.40	21.12	21.20	22.00
5	16QAM	12	13	21.28	21.30	21.37	21.25	21.28	22.00
5	16QAM	25	0	21.25	21.16	21.41	21.25	21.19	22.00
5	64QAM	1	0	22.29	22.18	22.44	22.11	22.23	23.00
5	64QAM	1	12	22.15	22.12	22.29	22.16	22.17	23.00
5	64QAM	1	24	22.15	22.18	22.34	22.11	22.22	23.00
5	64QAM	12	0	20.36	20.36	20.40	20.32	20.41	21.00
5	64QAM	12	7	20.32	20.30	20.35	20.22	20.31	21.00
5	64QAM	12	13	20.22	20.30	20.36	20.26	20.31	21.00
5	64QAM	25	0	20.29	20.22	20.39	20.20	20.23	21.00
5	256QAM	1	0	18.39	18.48	18.48	18.27	18.26	19.00
5	256QAM	1	12	18.36	18.40	18.43	18.32	18.27	19.00
5	256QAM	1	24	18.24	18.35	18.39	18.20	18.19	19.00
5	256QAM	12	0	18.17	18.20	18.36	18.21	18.21	19.00
5	256QAM	12	7	18.27	18.23	18.38	18.20	18.21	19.00
5	256QAM	12	13	18.26	18.31	18.43	18.17	18.15	19.00
5	256QAM	25	0	18.12	18.20	18.32	18.16	18.11	19.00

【LTE Band 41_FCC**(2496~2690MHz)_HPUE_Ant 1_Full Power】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.43	26.48	26.55	26.51	26.46	27.00
20	QPSK	1	49	26.27	26.40	26.52	26.46	26.38	27.00
20	QPSK	1	99	26.36	26.32	26.49	26.32	26.28	27.00
20	QPSK	50	0	25.39	25.34	25.53	25.41	25.29	26.00
20	QPSK	50	24	25.26	25.39	25.51	25.40	25.38	26.00
20	QPSK	50	50	25.30	25.27	25.46	25.34	25.29	26.00
20	QPSK	100	0	25.17	25.27	25.43	25.35	25.22	26.00
20	16QAM	1	0	25.21	25.30	25.45	25.34	25.34	26.00
20	16QAM	1	49	25.33	25.40	25.48	25.35	25.35	26.00
20	16QAM	1	99	25.23	25.34	25.44	25.36	25.24	26.00
20	16QAM	50	0	24.27	24.41	24.52	24.45	24.35	25.00
20	16QAM	50	24	24.28	24.31	24.48	24.34	24.32	25.00
20	16QAM	50	50	24.30	24.37	24.45	24.38	24.25	25.00
20	16QAM	100	0	24.22	24.23	24.41	24.35	24.26	25.00
20	64QAM	1	0	25.27	25.28	25.44	25.27	25.22	26.00
20	64QAM	1	49	25.19	25.21	25.41	25.27	25.26	26.00
20	64QAM	1	99	25.15	25.21	25.38	25.24	25.28	26.00
20	64QAM	50	0	24.28	24.35	24.53	24.42	24.36	25.00
20	64QAM	50	24	24.30	24.32	24.48	24.42	24.33	25.00
20	64QAM	50	50	24.31	24.33	24.45	24.39	24.29	25.00
20	64QAM	100	0	24.26	24.28	24.41	24.31	24.20	25.00
20	256QAM	1	0	21.48	21.44	21.59	21.43	21.37	22.00
20	256QAM	1	49	21.38	21.45	21.52	21.38	21.36	22.00
20	256QAM	1	99	21.26	21.30	21.48	21.33	21.29	22.00
20	256QAM	50	0	21.44	21.41	21.55	21.49	21.45	22.00
20	256QAM	50	24	21.40	21.37	21.51	21.35	21.36	22.00
20	256QAM	50	50	21.25	21.31	21.45	21.34	21.35	22.00
20	256QAM	100	0	21.30	21.35	21.43	21.33	21.34	22.00
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.28	26.38	26.43	26.44	26.41	27.00
15	QPSK	1	37	26.24	26.32	26.47	26.40	26.29	27.00
15	QPSK	1	74	26.27	26.21	26.46	26.18	26.13	27.00
15	QPSK	36	0	25.24	25.29	25.40	25.39	25.27	26.00
15	QPSK	36	20	25.22	25.30	25.49	25.28	25.26	26.00
15	QPSK	36	39	25.22	25.19	25.36	25.25	25.26	26.00
15	QPSK	75	0	25.08	25.24	25.35	25.21	25.16	26.00
15	16QAM	1	0	25.18	25.23	25.39	25.21	25.21	26.00
15	16QAM	1	37	25.21	25.31	25.38	25.29	25.31	26.00
15	16QAM	1	74	25.14	25.30	25.38	25.28	25.18	26.00
15	16QAM	36	0	24.22	24.35	24.51	24.32	24.26	25.00
15	16QAM	36	20	24.19	24.26	24.42	24.24	24.31	25.00
15	16QAM	36	39	24.26	24.25	24.43	24.37	24.16	25.00
15	16QAM	75	0	24.13	24.16	24.29	24.26	24.23	25.00



15	64QAM	1	0	25.24	25.20	25.35	25.13	25.11	26.00
15	64QAM	1	37	25.16	25.12	25.32	25.18	25.22	26.00
15	64QAM	1	74	25.03	25.18	25.34	25.16	25.15	26.00
15	64QAM	36	0	24.24	24.21	24.39	24.37	24.33	25.00
15	64QAM	36	20	24.21	24.25	24.46	24.39	24.31	25.00
15	64QAM	36	39	24.20	24.23	24.34	24.27	24.28	25.00
15	64QAM	75	0	24.25	24.17	24.35	24.30	24.17	25.00
15	256QAM	1	0	21.46	21.29	21.44	21.32	21.32	22.00
15	256QAM	1	37	21.35	21.37	21.47	21.27	21.21	22.00
15	256QAM	1	74	21.19	21.20	21.43	21.27	21.24	22.00
15	256QAM	36	0	21.32	21.40	21.48	21.44	21.38	22.00
15	256QAM	36	20	21.30	21.22	21.47	21.29	21.27	22.00
15	256QAM	36	39	21.15	21.25	21.40	21.24	21.31	22.00
15	256QAM	75	0	21.19	21.22	21.41	21.19	21.28	22.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.41	26.41	26.40	26.48	26.37	27.00
10	QPSK	1	25	26.18	26.30	26.48	26.36	26.27	27.00
10	QPSK	1	49	26.26	26.22	26.34	26.27	26.21	27.00
10	QPSK	25	0	25.36	25.32	25.39	25.36	25.24	26.00
10	QPSK	25	12	25.17	25.25	25.37	25.29	25.33	26.00
10	QPSK	25	25	25.21	25.21	25.34	25.32	25.22	26.00
10	QPSK	50	0	25.06	25.23	25.31	25.31	25.19	26.00
10	16QAM	1	0	25.12	25.27	25.30	25.31	25.33	26.00
10	16QAM	1	25	25.21	25.33	25.36	25.21	25.25	26.00
10	16QAM	1	49	25.17	25.20	25.42	25.27	25.18	26.00
10	16QAM	25	0	24.23	24.37	24.43	24.37	24.26	25.00
10	16QAM	25	12	24.20	24.29	24.42	24.28	24.23	25.00
10	16QAM	25	25	24.18	24.32	24.39	24.36	24.21	25.00
10	16QAM	50	0	24.09	24.16	24.34	24.25	24.24	25.00
10	64QAM	1	0	25.24	25.23	25.34	25.15	25.18	26.00
10	64QAM	1	25	25.15	25.19	25.39	25.25	25.19	26.00
10	64QAM	1	49	25.11	25.16	25.24	25.12	25.17	26.00
10	64QAM	25	0	24.25	24.33	24.46	24.39	24.34	25.00
10	64QAM	25	12	24.17	24.20	24.47	24.34	24.32	25.00
10	64QAM	25	25	24.20	24.21	24.39	24.31	24.20	25.00
10	64QAM	50	0	24.20	24.15	24.27	24.22	24.17	25.00
10	256QAM	1	0	21.34	21.34	21.54	21.34	21.31	22.00
10	256QAM	1	25	21.32	21.32	21.48	21.27	21.25	22.00
10	256QAM	1	49	21.22	21.28	21.46	21.29	21.27	22.00
10	256QAM	25	0	21.37	21.29	21.47	21.37	21.43	22.00
10	256QAM	25	12	21.27	21.26	21.50	21.27	21.33	22.00
10	256QAM	25	25	21.13	21.23	21.34	21.25	21.29	22.00
10	256QAM	50	0	21.24	21.21	21.36	21.21	21.21	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.34	26.42	26.47	26.46	26.37	27.00
5	QPSK	1	12	26.15	26.36	26.51	26.35	26.30	27.00
5	QPSK	1	24	26.25	26.26	26.46	26.31	26.21	27.00
5	QPSK	12	0	25.37	25.32	25.49	25.32	25.22	26.00
5	QPSK	12	7	25.16	25.24	25.47	25.37	25.28	26.00
5	QPSK	12	13	25.18	25.15	25.42	25.20	25.17	26.00
5	QPSK	25	0	25.15	25.12	25.34	25.29	25.17	26.00
5	16QAM	1	0	25.07	25.20	25.42	25.31	25.26	26.00
5	16QAM	1	12	25.20	25.28	25.47	25.24	25.23	26.00
5	16QAM	1	24	25.09	25.27	25.32	25.29	25.21	26.00
5	16QAM	12	0	24.22	24.32	24.51	24.31	24.24	25.00
5	16QAM	12	7	24.21	24.17	24.34	24.26	24.23	25.00
5	16QAM	12	13	24.21	24.36	24.39	24.35	24.19	25.00
5	16QAM	25	0	24.18	24.14	24.28	24.32	24.21	25.00
5	64QAM	1	0	25.23	25.27	25.30	25.24	25.19	26.00
5	64QAM	1	12	25.07	25.19	25.34	25.16	25.19	26.00
5	64QAM	1	24	25.12	25.13	25.24	25.19	25.23	26.00
5	64QAM	12	0	24.20	24.25	24.46	24.36	24.31	25.00
5	64QAM	12	7	24.25	24.27	24.33	24.31	24.21	25.00
5	64QAM	12	13	24.17	24.20	24.38	24.37	24.18	25.00
5	64QAM	25	0	24.22	24.27	24.37	24.19	24.06	25.00
5	256QAM	1	0	21.46	21.35	21.44	21.32	21.30	22.00
5	256QAM	1	12	21.27	21.37	21.50	21.33	21.24	22.00
5	256QAM	1	24	21.23	21.18	21.40	21.22	21.27	22.00
5	256QAM	12	0	21.41	21.36	21.41	21.42	21.32	22.00
5	256QAM	12	7	21.38	21.27	21.43	21.31	21.25	22.00
5	256QAM	12	13	21.13	21.24	21.41	21.22	21.23	22.00



5	256QAM	25	0	21.19	21.32	21.34	21.20	21.30	22.00
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【LTE Band 41__FCC (2496~2690MHz)_Ant

1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.44	23.48	23.51	23.41	23.45	24.00
20	QPSK	1	49	23.36	23.37	23.48	23.30	23.33	24.00
20	QPSK	1	99	23.26	23.25	23.42	23.24	23.25	24.00
20	QPSK	50	0	22.39	22.47	22.55	22.39	22.48	23.00
20	QPSK	50	24	22.40	22.37	22.51	22.36	22.38	23.00
20	QPSK	50	50	22.33	22.40	22.49	22.38	22.40	23.00
20	QPSK	100	0	22.36	22.40	22.46	22.29	22.34	23.00
20	16QAM	1	0	22.25	22.39	22.44	22.30	22.30	23.00
20	16QAM	1	49	22.20	22.36	22.41	22.18	22.28	23.00
20	16QAM	1	99	22.36	22.36	22.45	22.33	22.37	23.00
20	16QAM	50	0	21.34	21.37	21.49	21.28	21.41	22.00
20	16QAM	50	24	21.23	21.30	21.42	21.19	21.33	22.00
20	16QAM	50	50	21.35	21.34	21.45	21.34	21.32	22.00
20	16QAM	100	0	21.26	21.30	21.43	21.30	21.26	22.00
20	64QAM	1	0	22.40	22.32	22.48	22.25	22.36	23.00
20	64QAM	1	49	22.28	22.26	22.43	22.20	22.23	23.00
20	64QAM	1	99	22.26	22.31	22.41	22.24	22.30	23.00
20	64QAM	50	0	20.41	20.40	20.52	20.41	20.45	21.00
20	64QAM	50	24	20.35	20.34	20.48	20.31	20.39	21.00
20	64QAM	50	50	20.35	20.41	20.45	20.30	20.34	21.00
20	64QAM	100	0	20.33	20.29	20.43	20.22	20.27	21.00
20	256QAM	1	0	18.46	18.50	18.55	18.39	18.37	19.00
20	256QAM	1	49	18.39	18.44	18.53	18.38	18.35	19.00
20	256QAM	1	99	18.34	18.43	18.48	18.28	18.30	19.00
20	256QAM	50	0	18.29	18.31	18.42	18.29	18.24	19.00
20	256QAM	50	24	18.34	18.37	18.43	18.26	18.33	19.00
20	256QAM	50	50	18.38	18.33	18.46	18.29	18.29	19.00
20	256QAM	100	0	18.22	18.33	18.40	18.19	18.22	19.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.35	23.38	23.41	23.37	23.35	24.00
15	QPSK	1	37	23.30	23.31	23.38	23.24	23.26	24.00
15	QPSK	1	74	23.20	23.11	23.39	23.17	23.17	24.00
15	QPSK	36	0	22.33	22.45	22.47	22.26	22.42	23.00
15	QPSK	36	20	22.26	22.34	22.39	22.22	22.34	23.00
15	QPSK	36	39	22.19	22.38	22.46	22.33	22.29	23.00
15	QPSK	75	0	22.31	22.34	22.37	22.16	22.32	23.00
15	16QAM	1	0	22.15	22.29	22.32	22.19	22.15	23.00
15	16QAM	1	37	22.11	22.31	22.31	22.15	22.18	23.00
15	16QAM	1	74	22.29	22.26	22.36	22.26	22.30	23.00
15	16QAM	36	0	21.30	21.35	21.38	21.23	21.36	22.00
15	16QAM	36	20	21.18	21.27	21.36	21.05	21.22	22.00
15	16QAM	36	39	21.24	21.32	21.38	21.25	21.27	22.00
15	16QAM	75	0	21.20	21.28	21.28	21.25	21.13	22.00
15	64QAM	1	0	22.35	22.29	22.46	22.12	22.27	23.00
15	64QAM	1	37	22.25	22.13	22.39	22.07	22.10	23.00
15	64QAM	1	74	22.14	22.25	22.28	22.18	22.29	23.00
15	64QAM	36	0	20.30	20.35	20.44	20.32	20.42	21.00
15	64QAM	36	20	20.20	20.27	20.37	20.25	20.34	21.00
15	64QAM	36	39	20.23	20.27	20.35	20.26	20.25	21.00
15	64QAM	75	0	20.25	20.18	20.31	20.09	20.15	21.00
15	256QAM	1	0	18.39	18.42	18.48	18.28	18.26	19.00
15	256QAM	1	37	18.28	18.42	18.40	18.25	18.22	19.00
15	256QAM	1	74	18.29	18.38	18.33	18.26	18.16	19.00
15	256QAM	36	0	18.24	18.18	18.37	18.23	18.22	19.00
15	256QAM	36	20	18.21	18.31	18.34	18.15	18.28	19.00
15	256QAM	36	39	18.29	18.28	18.37	18.19	18.25	19.00
15	256QAM	75	0	18.13	18.22	18.39	18.14	18.08	19.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	



									(dBm)
10	QPSK	1	0	23.43	23.44	23.47	23.34	23.34	24.00
10	QPSK	1	25	23.29	23.29	23.37	23.23	23.21	24.00
10	QPSK	1	49	23.15	23.16	23.34	23.12	23.22	24.00
10	QPSK	25	0	22.24	22.33	22.42	22.31	22.44	23.00
10	QPSK	25	12	22.38	22.28	22.38	22.24	22.30	23.00
10	QPSK	25	25	22.21	22.36	22.37	22.31	22.37	23.00
10	QPSK	50	0	22.33	22.33	22.42	22.16	22.30	23.00
10	16QAM	1	0	22.23	22.24	22.33	22.23	22.16	23.00
10	16QAM	1	25	22.18	22.32	22.39	22.07	22.17	23.00
10	16QAM	1	49	22.22	22.33	22.32	22.23	22.23	23.00
10	16QAM	25	0	21.22	21.36	21.44	21.23	21.34	22.00
10	16QAM	25	12	21.17	21.20	21.37	21.05	21.25	22.00
10	16QAM	25	25	21.34	21.31	21.42	21.32	21.31	22.00
10	16QAM	50	0	21.21	21.17	21.34	21.29	21.20	22.00
10	64QAM	1	0	22.31	22.30	22.39	22.21	22.27	23.00
10	64QAM	1	25	22.22	22.16	22.30	22.12	22.10	23.00
10	64QAM	1	49	22.18	22.30	22.36	22.19	22.18	23.00
10	64QAM	25	0	20.39	20.26	20.40	20.27	20.40	21.00
10	64QAM	25	12	20.28	20.23	20.33	20.16	20.33	21.00
10	64QAM	25	25	20.33	20.30	20.39	20.20	20.25	21.00
10	64QAM	50	0	20.20	20.24	20.39	20.12	20.26	21.00
10	256QAM	1	0	18.43	18.43	18.42	18.32	18.33	19.00
10	256QAM	1	25	18.27	18.40	18.47	18.27	18.27	19.00
10	256QAM	1	49	18.24	18.39	18.40	18.22	18.24	19.00
10	256QAM	25	0	18.15	18.28	18.33	18.15	18.12	19.00
10	256QAM	25	12	18.31	18.33	18.35	18.12	18.23	19.00
10	256QAM	25	25	18.30	18.19	18.43	18.27	18.24	19.00
10	256QAM	50	0	18.17	18.23	18.36	18.07	18.11	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.41	23.33	23.39	23.33	23.34	24.00
5	QPSK	1	12	23.25	23.24	23.34	23.29	23.20	24.00
5	QPSK	1	24	23.18	23.15	23.39	23.10	23.19	24.00
5	QPSK	12	0	22.28	22.36	22.48	22.25	22.38	23.00
5	QPSK	12	7	22.33	22.27	22.42	22.28	22.23	23.00
5	QPSK	12	13	22.30	22.30	22.37	22.36	22.32	23.00
5	QPSK	25	0	22.30	22.27	22.37	22.22	22.27	23.00
5	16QAM	1	0	22.15	22.24	22.37	22.23	22.17	23.00
5	16QAM	1	12	22.09	22.22	22.34	22.09	22.26	23.00
5	16QAM	1	24	22.33	22.23	22.33	22.23	22.35	23.00
5	16QAM	12	0	21.31	21.35	21.44	21.22	21.29	22.00
5	16QAM	12	7	21.09	21.25	21.40	21.12	21.20	22.00
5	16QAM	12	13	21.28	21.30	21.37	21.25	21.28	22.00
5	16QAM	25	0	21.25	21.16	21.41	21.25	21.19	22.00
5	64QAM	1	0	22.29	22.18	22.44	22.11	22.23	23.00
5	64QAM	1	12	22.15	22.12	22.29	22.16	22.17	23.00
5	64QAM	1	24	22.15	22.18	22.34	22.11	22.22	23.00
5	64QAM	12	0	20.36	20.36	20.40	20.32	20.41	21.00
5	64QAM	12	7	20.32	20.30	20.35	20.22	20.31	21.00
5	64QAM	12	13	20.22	20.30	20.36	20.26	20.31	21.00
5	64QAM	25	0	20.29	20.22	20.39	20.20	20.23	21.00
5	256QAM	1	0	18.39	18.48	18.48	18.27	18.26	19.00
5	256QAM	1	12	18.36	18.40	18.43	18.32	18.27	19.00
5	256QAM	1	24	18.24	18.35	18.39	18.20	18.19	19.00
5	256QAM	12	0	18.17	18.20	18.36	18.21	18.21	19.00
5	256QAM	12	7	18.27	18.23	18.38	18.20	18.21	19.00
5	256QAM	12	13	18.26	18.31	18.43	18.17	18.15	19.00
5	256QAM	25	0	18.12	18.20	18.32	18.16	18.11	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	20.60
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.78	19.81	19.84	19.75	19.73	20.60
20	QPSK	1	49	19.70	19.65	19.80	19.63	19.62	20.60
20	QPSK	1	99	19.56	19.59	19.75	19.64	19.62	20.60
20	QPSK	50	0	19.70	19.73	19.81	19.66	19.65	20.60
20	QPSK	50	24	19.61	19.65	19.77	19.57	19.61	20.60
20	QPSK	50	50	19.56	19.55	19.72	19.50	19.53	20.60
20	QPSK	100	0	19.66	19.68	19.75	19.54	19.57	20.60
20	16QAM	1	0	19.54	19.55	19.71	19.50	19.59	20.60
20	16QAM	1	49	19.69	19.59	19.76	19.54	19.60	20.60
20	16QAM	1	99	19.55	19.56	19.73	19.50	19.61	20.60
20	16QAM	50	0	19.62	19.69	19.75	19.59	19.56	20.60
20	16QAM	50	24	19.62	19.66	19.79	19.59	19.55	20.60
20	16QAM	50	50	19.60	19.64	19.72	19.55	19.57	20.60
20	16QAM	100	0	19.54	19.61	19.73	19.51	19.51	20.60
20	64QAM	1	0	19.56	19.56	19.74	19.53	19.58	20.60
20	64QAM	1	49	19.56	19.68	19.75	19.64	19.59	20.60
20	64QAM	1	99	19.60	19.67	19.76	19.55	19.56	20.60
20	64QAM	50	0	19.63	19.56	19.72	19.59	19.56	20.60
20	64QAM	50	24	19.59	19.55	19.73	19.63	19.49	20.60
20	64QAM	50	50	19.65	19.67	19.74	19.53	19.56	20.60
20	64QAM	100	0	19.64	19.66	19.72	19.61	19.48	20.60
20	256QAM	1	0	18.08	18.16	18.25	18.03	18.14	19.00
20	256QAM	1	49	18.13	18.15	18.21	18.08	18.09	19.00
20	256QAM	1	99	18.04	18.03	18.19	18.09	17.95	19.00
20	256QAM	50	0	17.98	18.08	18.16	18.04	17.95	19.00
20	256QAM	50	24	18.06	17.98	18.15	18.06	18.01	19.00
20	256QAM	50	50	18.01	18.09	18.18	17.98	17.93	19.00
20	256QAM	100	0	18.06	18.03	18.13	17.91	17.99	19.00
Channel				39725	40173	40620	41068	41515	20.60
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.72	19.73	19.83	19.72	19.63	20.60
15	QPSK	1	37	19.57	19.58	19.78	19.61	19.48	20.60
15	QPSK	1	74	19.52	19.44	19.66	19.56	19.48	20.60
15	QPSK	36	0	19.60	19.56	19.79	19.60	19.55	20.60
15	QPSK	36	20	19.59	19.53	19.62	19.52	19.51	20.60
15	QPSK	36	39	19.52	19.47	19.68	19.46	19.47	20.60
15	QPSK	75	0	19.64	19.54	19.72	19.44	19.47	20.60
15	16QAM	1	0	19.41	19.44	19.62	19.48	19.48	20.60
15	16QAM	1	37	19.55	19.47	19.62	19.53	19.48	20.60
15	16QAM	1	74	19.44	19.52	19.59	19.45	19.50	20.60
15	16QAM	36	0	19.56	19.57	19.66	19.47	19.43	20.60
15	16QAM	36	20	19.48	19.57	19.71	19.49	19.54	20.60
15	16QAM	36	39	19.47	19.60	19.62	19.52	19.48	20.60
15	16QAM	75	0	19.42	19.55	19.60	19.48	19.47	20.60
15	64QAM	1	0	19.47	19.45	19.67	19.45	19.53	20.60
15	64QAM	1	37	19.51	19.54	19.74	19.52	19.50	20.60
15	64QAM	1	74	19.52	19.52	19.63	19.46	19.44	20.60
15	64QAM	36	0	19.50	19.55	19.60	19.53	19.50	20.60
15	64QAM	36	20	19.46	19.50	19.65	19.59	19.42	20.60
15	64QAM	36	39	19.57	19.56	19.67	19.50	19.51	20.60
15	64QAM	75	0	19.55	19.54	19.60	19.47	19.46	20.60
15	256QAM	1	0	18.01	18.08	18.14	17.93	18.12	19.00
15	256QAM	1	37	18.08	18.04	18.15	17.93	18.07	19.00
15	256QAM	1	74	17.94	17.97	18.12	18.03	17.90	19.00
15	256QAM	36	0	17.88	17.98	18.09	17.93	17.83	19.00
15	256QAM	36	20	18.00	17.95	18.05	17.93	17.86	19.00
15	256QAM	36	39	17.91	17.99	18.14	17.85	17.91	19.00
15	256QAM	75	0	18.05	18.01	18.01	17.77	17.97	19.00
Channel				39700	40160	40620	41080	41540	20.60
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.72	19.78	19.70	19.69	19.60	20.60
10	QPSK	1	25	19.59	19.64	19.68	19.50	19.56	20.60
10	QPSK	1	49	19.50	19.57	19.71	19.61	19.52	20.60
10	QPSK	25	0	19.64	19.49	19.67	19.53	19.53	20.60



10	QPSK	25	12	19.48	19.62	19.68	19.52	19.48	20.60
10	QPSK	25	25	19.44	19.49	19.66	19.44	19.40	20.60
10	QPSK	50	0	19.52	19.67	19.71	19.48	19.51	20.60
10	16QAM	1	0	19.44	19.41	19.64	19.41	19.44	20.60
10	16QAM	1	25	19.56	19.45	19.64	19.47	19.56	20.60
10	16QAM	1	49	19.44	19.49	19.60	19.42	19.57	20.60
10	16QAM	25	0	19.54	19.65	19.74	19.50	19.44	20.60
10	16QAM	25	12	19.54	19.63	19.69	19.46	19.52	20.60
10	16QAM	25	25	19.51	19.51	19.61	19.47	19.43	20.60
10	16QAM	50	0	19.49	19.59	19.68	19.42	19.50	20.60
10	64QAM	1	0	19.45	19.42	19.71	19.39	19.48	20.60
10	64QAM	1	25	19.44	19.56	19.72	19.51	19.49	20.60
10	64QAM	1	49	19.46	19.60	19.64	19.47	19.52	20.60
10	64QAM	25	0	19.56	19.53	19.60	19.54	19.50	20.60
10	64QAM	25	12	19.57	19.48	19.59	19.58	19.43	20.60
10	64QAM	25	25	19.63	19.60	19.68	19.49	19.47	20.60
10	64QAM	50	0	19.59	19.53	19.61	19.58	19.45	20.60
10	256QAM	1	0	17.94	18.09	18.23	17.99	18.05	19.00
10	256QAM	1	25	18.08	18.10	18.19	18.01	18.07	19.00
10	256QAM	1	49	17.93	18.00	18.17	17.94	17.90	19.00
10	256QAM	25	0	17.96	17.97	18.05	17.93	17.86	19.00
10	256QAM	25	12	17.99	17.90	18.12	17.95	17.93	19.00
10	256QAM	25	25	17.92	18.02	18.05	17.88	17.84	19.00
10	256QAM	50	0	18.04	17.88	18.08	17.81	17.93	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.71	19.79	19.82	19.66	19.70	20.60
5	QPSK	1	12	19.61	19.59	19.71	19.53	19.52	20.60
5	QPSK	1	24	19.49	19.49	19.62	19.56	19.52	20.60
5	QPSK	12	0	19.68	19.50	19.80	19.55	19.50	20.60
5	QPSK	12	7	19.46	19.62	19.65	19.49	19.49	20.60
5	QPSK	12	13	19.50	19.45	19.65	19.48	19.40	20.60
5	QPSK	25	0	19.64	19.58	19.67	19.43	19.54	20.60
5	16QAM	1	0	19.48	19.46	19.62	19.38	19.55	20.60
5	16QAM	1	12	19.64	19.57	19.73	19.51	19.57	20.60
5	16QAM	1	24	19.52	19.47	19.67	19.39	19.53	20.60
5	16QAM	12	0	19.57	19.56	19.72	19.48	19.48	20.60
5	16QAM	12	7	19.61	19.61	19.65	19.56	19.41	20.60
5	16QAM	12	13	19.51	19.60	19.64	19.49	19.51	20.60
5	16QAM	25	0	19.41	19.48	19.66	19.46	19.43	20.60
5	64QAM	1	0	19.46	19.43	19.68	19.44	19.52	20.60
5	64QAM	1	12	19.41	19.64	19.60	19.62	19.44	20.60
5	64QAM	1	24	19.58	19.66	19.62	19.40	19.48	20.60
5	64QAM	12	0	19.58	19.51	19.68	19.50	19.42	20.60
5	64QAM	12	7	19.44	19.45	19.66	19.58	19.36	20.60
5	64QAM	12	13	19.57	19.53	19.70	19.48	19.49	20.60
5	64QAM	25	0	19.60	19.62	19.70	19.52	19.35	20.60
5	256QAM	1	0	17.96	18.05	18.17	17.97	18.01	19.00
5	256QAM	1	12	18.04	18.11	18.08	18.04	18.06	19.00
5	256QAM	1	24	17.97	17.89	18.17	18.01	17.82	19.00
5	256QAM	12	0	17.95	18.05	18.05	17.99	17.82	19.00
5	256QAM	12	7	18.04	17.86	18.12	17.96	17.90	19.00
5	256QAM	12	13	17.97	18.03	18.06	17.88	17.84	19.00
5	256QAM	25	0	17.98	17.94	17.98	17.79	17.88	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	22.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.34	21.31	21.36	21.27	21.29	22.30
20	QPSK	1	49	21.25	21.20	21.33	21.22	21.15	22.30
20	QPSK	1	99	21.27	21.25	21.31	21.17	21.17	22.30
20	QPSK	50	0	21.24	21.27	21.34	21.20	21.22	22.30
20	QPSK	50	24	21.17	21.13	21.28	21.09	21.13	22.30
20	QPSK	50	50	21.17	21.14	21.22	21.12	21.02	22.30
20	QPSK	100	0	21.18	21.16	21.26	21.08	21.10	22.30
20	16QAM	1	0	21.19	21.14	21.25	21.06	21.13	22.30
20	16QAM	1	49	21.07	21.11	21.21	21.05	21.09	22.30
20	16QAM	1	99	21.19	21.10	21.23	21.04	21.05	22.30
20	16QAM	50	0	20.98	20.85	21.03	20.90	20.82	22.00
20	16QAM	50	24	20.94	20.93	21.01	20.80	20.92	22.00
20	16QAM	50	50	20.91	20.76	20.95	20.81	20.83	22.00
20	16QAM	100	0	21.81	21.89	21.98	21.75	21.81	22.00
20	64QAM	1	0	21.84	21.87	21.99	21.87	21.83	22.00
20	64QAM	1	49	20.87	20.82	21.02	20.87	20.83	22.00
20	64QAM	1	99	20.87	20.77	20.97	20.76	20.83	22.00
20	64QAM	50	0	19.95	19.97	20.05	19.82	19.94	21.00
20	64QAM	50	24	19.92	19.84	20.01	19.90	19.91	21.00
20	64QAM	50	50	19.88	19.88	20.03	19.80	19.86	21.00
20	64QAM	100	0	19.90	19.90	19.98	19.88	19.86	21.00
20	256QAM	1	0	17.99	17.90	18.06	17.90	17.91	19.00
20	256QAM	1	49	17.88	17.89	18.02	17.88	17.86	19.00
20	256QAM	1	99	17.92	17.91	18.01	17.79	17.87	19.00
20	256QAM	50	0	17.94	17.84	17.98	17.81	17.78	19.00
20	256QAM	50	24	17.88	17.90	17.96	17.83	17.81	19.00
20	256QAM	50	50	17.85	17.89	17.95	17.86	17.78	19.00
20	256QAM	100	0	17.77	17.79	17.94	17.79	17.82	19.00
Channel				39725	40173	40620	41068	41515	22.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.20	21.21	21.31	21.20	21.16	22.30
15	QPSK	1	37	21.18	21.09	21.19	21.19	21.14	22.30
15	QPSK	1	74	21.24	21.23	21.20	21.04	21.03	22.30
15	QPSK	36	0	21.12	21.18	21.28	21.18	21.17	22.30
15	QPSK	36	20	21.11	21.01	21.23	21.03	21.11	22.30
15	QPSK	36	39	21.15	21.09	21.11	21.06	20.92	22.30
15	QPSK	75	0	21.10	21.09	21.18	21.02	20.95	22.30
15	16QAM	1	0	21.17	21.02	21.11	20.99	21.12	22.30
15	16QAM	1	37	20.98	20.96	21.14	21.02	20.96	22.30
15	16QAM	1	74	21.06	20.98	21.19	20.91	20.98	22.30
15	16QAM	36	0	20.91	20.77	20.96	20.85	20.78	22.00
15	16QAM	36	20	20.90	20.84	20.87	20.71	20.83	22.00
15	16QAM	36	39	20.78	20.74	20.87	20.73	20.80	22.00
15	16QAM	75	0	21.76	21.79	21.92	21.74	21.78	22.00
15	64QAM	1	0	21.79	21.80	21.86	21.77	21.74	22.00
15	64QAM	1	37	20.74	20.73	20.91	20.74	20.81	22.00
15	64QAM	1	74	20.80	20.75	20.85	20.67	20.73	22.00
15	64QAM	36	0	19.90	19.93	20.04	19.69	19.80	21.00
15	64QAM	36	20	19.86	19.79	19.98	19.87	19.88	21.00
15	64QAM	36	39	19.79	19.82	19.99	19.75	19.82	21.00
15	64QAM	75	0	19.78	19.78	19.87	19.82	19.78	21.00
15	256QAM	1	0	17.90	17.79	18.05	17.83	17.87	19.00
15	256QAM	1	37	17.81	17.84	18.00	17.87	17.76	19.00
15	256QAM	1	74	17.79	17.88	17.96	17.73	17.77	19.00
15	256QAM	36	0	17.83	17.80	17.87	17.73	17.71	19.00
15	256QAM	36	20	17.80	17.87	17.81	17.76	17.67	19.00
15	256QAM	36	39	17.83	17.76	17.85	17.79	17.69	19.00
15	256QAM	75	0	17.70	17.76	17.85	17.71	17.68	19.00
Channel				39700	40160	40620	41080	41540	22.30
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.28	21.26	21.31	21.13	21.24	22.30
10	QPSK	1	25	21.19	21.11	21.22	21.20	21.03	22.30
10	QPSK	1	49	21.19	21.21	21.19	21.11	21.13	22.30
10	QPSK	25	0	21.20	21.24	21.20	21.11	21.07	22.30



10	QPSK	25	12	21.03	21.12	21.24	21.06	21.03	22.30
10	QPSK	25	25	21.14	21.01	21.10	21.09	21.00	22.30
10	QPSK	50	0	21.16	21.07	21.17	20.94	20.97	22.30
10	16QAM	1	0	21.15	21.03	21.21	21.05	21.01	22.30
10	16QAM	1	25	21.03	20.98	21.16	20.90	21.06	22.30
10	16QAM	1	49	21.06	21.01	21.15	20.90	21.04	22.30
10	16QAM	25	0	20.94	20.76	20.95	20.76	20.80	22.00
10	16QAM	25	12	20.81	20.91	20.91	20.73	20.84	22.00
10	16QAM	25	25	20.77	20.64	20.83	20.80	20.81	22.00
10	16QAM	50	0	21.75	21.82	21.97	21.65	21.73	22.00
10	64QAM	1	0	21.82	21.81	21.96	21.76	21.69	22.00
10	64QAM	1	25	20.76	20.67	20.96	20.82	20.71	22.00
10	64QAM	1	49	20.73	20.67	20.85	20.71	20.76	22.00
10	64QAM	25	0	19.87	19.84	20.02	19.72	19.88	21.00
10	64QAM	25	12	19.86	19.80	19.97	19.78	19.85	21.00
10	64QAM	25	25	19.78	19.85	19.96	19.73	19.79	21.00
10	64QAM	50	0	19.80	19.83	19.90	19.79	19.72	21.00
10	256QAM	1	0	17.98	17.82	17.96	17.89	17.85	19.00
10	256QAM	1	25	17.81	17.81	18.01	17.76	17.76	19.00
10	256QAM	1	49	17.88	17.89	17.99	17.78	17.76	19.00
10	256QAM	25	0	17.86	17.76	17.85	17.72	17.77	19.00
10	256QAM	25	12	17.86	17.89	17.82	17.77	17.77	19.00
10	256QAM	25	25	17.82	17.88	17.86	17.81	17.70	19.00
10	256QAM	50	0	17.69	17.66	17.81	17.76	17.74	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	21.33	21.24	21.34	21.13	21.15	22.30
5	QPSK	1	12	21.24	21.19	21.30	21.16	21.11	22.30
5	QPSK	1	24	21.22	21.11	21.19	21.03	21.14	22.30
5	QPSK	12	0	21.12	21.14	21.20	21.16	21.19	22.30
5	QPSK	12	7	21.06	20.99	21.25	21.06	21.04	22.30
5	QPSK	12	13	21.09	21.00	21.16	21.10	20.96	22.30
5	QPSK	25	0	21.14	21.05	21.18	21.04	20.96	22.30
5	16QAM	1	0	21.18	21.03	21.22	20.95	21.07	22.30
5	16QAM	1	12	20.95	20.97	21.17	21.01	20.95	22.30
5	16QAM	1	24	21.10	21.03	21.21	20.99	20.93	22.30
5	16QAM	12	0	20.91	20.73	20.91	20.86	20.72	22.00
5	16QAM	12	7	20.91	20.88	20.86	20.77	20.83	22.00
5	16QAM	12	13	20.87	20.64	20.94	20.67	20.78	22.00
5	16QAM	25	0	21.78	21.83	21.94	21.65	21.79	22.00
5	64QAM	1	0	21.70	21.73	21.94	21.85	21.69	22.00
5	64QAM	1	12	20.85	20.77	20.88	20.83	20.76	22.00
5	64QAM	1	24	20.74	20.70	20.91	20.73	20.79	22.00
5	64QAM	12	0	19.83	19.93	19.95	19.80	19.79	21.00
5	64QAM	12	7	19.86	19.77	19.91	19.89	19.81	21.00
5	64QAM	12	13	19.82	19.80	19.96	19.77	19.82	21.00
5	64QAM	25	0	19.77	19.86	19.96	19.75	19.77	21.00
5	256QAM	1	0	17.91	17.78	18.02	17.77	17.84	19.00
5	256QAM	1	12	17.86	17.86	17.94	17.76	17.77	19.00
5	256QAM	1	24	17.88	17.81	17.86	17.76	17.84	19.00
5	256QAM	12	0	17.85	17.71	17.90	17.73	17.67	19.00
5	256QAM	12	7	17.75	17.77	17.93	17.81	17.67	19.00
5	256QAM	12	13	17.74	17.83	17.86	17.72	17.69	19.00
5	256QAM	25	0	17.64	17.77	17.83	17.69	17.72	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.44	23.48	23.51	23.41	23.45	24.00
20	QPSK	1	49	23.36	23.37	23.48	23.30	23.33	24.00
20	QPSK	1	99	23.26	23.25	23.42	23.24	23.25	24.00
20	QPSK	50	0	22.45	22.47	22.55	22.39	22.48	23.00
20	QPSK	50	24	22.40	22.37	22.51	22.36	22.38	23.00
20	QPSK	50	50	22.33	22.40	22.49	22.38	22.40	23.00
20	QPSK	100	0	22.36	22.40	22.46	22.29	22.34	23.00
20	16QAM	1	0	22.25	22.39	22.44	22.30	22.30	23.00
20	16QAM	1	49	22.20	22.36	22.41	22.18	22.28	23.00
20	16QAM	1	99	22.36	22.36	22.45	22.33	22.37	23.00
20	16QAM	50	0	21.34	21.37	21.49	21.28	21.41	22.00
20	16QAM	50	24	21.23	21.30	21.42	21.19	21.33	22.00
20	16QAM	50	50	21.35	21.34	21.45	21.34	21.32	22.00
20	16QAM	100	0	21.26	21.30	21.43	21.30	21.26	22.00
20	64QAM	1	0	22.40	22.32	22.48	22.25	22.36	23.00
20	64QAM	1	49	22.28	22.26	22.43	22.20	22.23	23.00
20	64QAM	1	99	22.26	22.31	22.41	22.24	22.30	23.00
20	64QAM	50	0	20.41	20.40	20.52	20.41	20.45	21.00
20	64QAM	50	24	20.35	20.34	20.48	20.31	20.39	21.00
20	64QAM	50	50	20.35	20.41	20.45	20.30	20.34	21.00
20	64QAM	100	0	20.33	20.29	20.43	20.22	20.27	21.00
20	256QAM	1	0	18.46	18.50	18.55	18.39	18.37	19.00
20	256QAM	1	49	18.39	18.44	18.53	18.38	18.35	19.00
20	256QAM	1	99	18.34	18.43	18.48	18.28	18.30	19.00
20	256QAM	50	0	18.29	18.31	18.42	18.29	18.24	19.00
20	256QAM	50	24	18.34	18.37	18.43	18.26	18.33	19.00
20	256QAM	50	50	18.38	18.33	18.46	18.29	18.29	19.00
20	256QAM	100	0	18.22	18.33	18.40	18.19	18.22	19.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.35	23.38	23.41	23.37	23.35	24.00
15	QPSK	1	37	23.30	23.31	23.38	23.24	23.26	24.00
15	QPSK	1	74	23.20	23.11	23.39	23.17	23.17	24.00
15	QPSK	36	0	22.33	22.45	22.47	22.26	22.42	23.00
15	QPSK	36	20	22.26	22.34	22.39	22.22	22.34	23.00
15	QPSK	36	39	22.19	22.38	22.46	22.33	22.29	23.00
15	QPSK	75	0	22.31	22.34	22.37	22.16	22.32	23.00
15	16QAM	1	0	22.15	22.29	22.32	22.19	22.15	23.00
15	16QAM	1	37	22.11	22.31	22.31	22.15	22.18	23.00
15	16QAM	1	74	22.29	22.26	22.36	22.26	22.30	23.00
15	16QAM	36	0	21.30	21.35	21.38	21.23	21.36	22.00
15	16QAM	36	20	21.18	21.27	21.36	21.05	21.22	22.00
15	16QAM	36	39	21.24	21.32	21.38	21.25	21.27	22.00
15	16QAM	75	0	21.20	21.28	21.28	21.25	21.13	22.00
15	64QAM	1	0	22.35	22.29	22.46	22.12	22.27	23.00
15	64QAM	1	37	22.25	22.13	22.39	22.07	22.10	23.00
15	64QAM	1	74	22.14	22.25	22.28	22.18	22.29	23.00
15	64QAM	36	0	20.30	20.35	20.44	20.32	20.42	21.00
15	64QAM	36	20	20.20	20.27	20.37	20.25	20.34	21.00
15	64QAM	36	39	20.23	20.27	20.35	20.26	20.25	21.00
15	64QAM	75	0	20.25	20.18	20.31	20.09	20.15	21.00
15	256QAM	1	0	18.39	18.42	18.48	18.28	18.26	19.00
15	256QAM	1	37	18.28	18.42	18.40	18.25	18.22	19.00
15	256QAM	1	74	18.29	18.38	18.33	18.26	18.16	19.00
15	256QAM	36	0	18.24	18.18	18.37	18.23	18.22	19.00
15	256QAM	36	20	18.21	18.31	18.34	18.15	18.28	19.00
15	256QAM	36	39	18.29	18.28	18.37	18.19	18.25	19.00
15	256QAM	75	0	18.13	18.22	18.39	18.14	18.08	19.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.43	23.44	23.47	23.34	23.34	24.00
10	QPSK	1	25	23.29	23.29	23.37	23.23	23.21	24.00
10	QPSK	1	49	23.15	23.16	23.34	23.12	23.22	24.00
10	QPSK	25	0	22.24	22.33	22.42	22.31	22.44	23.00



10	QPSK	25	12	22.38	22.28	22.38	22.24	22.30	23.00
10	QPSK	25	25	22.21	22.36	22.37	22.31	22.37	23.00
10	QPSK	50	0	22.33	22.33	22.42	22.16	22.30	23.00
10	16QAM	1	0	22.23	22.24	22.33	22.23	22.16	23.00
10	16QAM	1	25	22.18	22.32	22.39	22.07	22.17	23.00
10	16QAM	1	49	22.22	22.33	22.32	22.23	22.23	23.00
10	16QAM	25	0	21.22	21.36	21.44	21.23	21.34	22.00
10	16QAM	25	12	21.17	21.20	21.37	21.05	21.25	22.00
10	16QAM	25	25	21.34	21.31	21.42	21.32	21.31	22.00
10	16QAM	50	0	21.21	21.17	21.34	21.29	21.20	22.00
10	64QAM	1	0	22.31	22.30	22.39	22.21	22.27	23.00
10	64QAM	1	25	22.22	22.16	22.30	22.12	22.10	23.00
10	64QAM	1	49	22.18	22.30	22.36	22.19	22.18	23.00
10	64QAM	25	0	20.39	20.26	20.40	20.27	20.40	21.00
10	64QAM	25	12	20.28	20.23	20.33	20.16	20.33	21.00
10	64QAM	25	25	20.33	20.30	20.39	20.20	20.25	21.00
10	64QAM	50	0	20.20	20.24	20.39	20.12	20.26	21.00
10	256QAM	1	0	18.43	18.43	18.42	18.32	18.33	19.00
10	256QAM	1	25	18.27	18.40	18.47	18.27	18.27	19.00
10	256QAM	1	49	18.24	18.39	18.40	18.22	18.24	19.00
10	256QAM	25	0	18.15	18.28	18.33	18.15	18.12	19.00
10	256QAM	25	12	18.31	18.33	18.35	18.12	18.23	19.00
10	256QAM	25	25	18.30	18.19	18.43	18.27	18.24	19.00
10	256QAM	50	0	18.17	18.23	18.36	18.07	18.11	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.41	23.33	23.39	23.33	23.34	24.00
5	QPSK	1	12	23.25	23.24	23.34	23.29	23.20	24.00
5	QPSK	1	24	23.18	23.15	23.39	23.10	23.19	24.00
5	QPSK	12	0	22.28	22.36	22.48	22.25	22.38	23.00
5	QPSK	12	7	22.33	22.27	22.42	22.28	22.23	23.00
5	QPSK	12	13	22.30	22.30	22.37	22.36	22.32	23.00
5	QPSK	25	0	22.30	22.27	22.37	22.22	22.27	23.00
5	16QAM	1	0	22.15	22.24	22.37	22.23	22.17	23.00
5	16QAM	1	12	22.09	22.22	22.34	22.09	22.26	23.00
5	16QAM	1	24	22.33	22.23	22.33	22.23	22.35	23.00
5	16QAM	12	0	21.31	21.35	21.44	21.22	21.29	22.00
5	16QAM	12	7	21.09	21.25	21.40	21.12	21.20	22.00
5	16QAM	12	13	21.28	21.30	21.37	21.25	21.28	22.00
5	16QAM	25	0	21.25	21.16	21.41	21.25	21.19	22.00
5	64QAM	1	0	22.29	22.18	22.44	22.11	22.23	23.00
5	64QAM	1	12	22.15	22.12	22.29	22.16	22.17	23.00
5	64QAM	1	24	22.15	22.18	22.34	22.11	22.22	23.00
5	64QAM	12	0	20.36	20.36	20.40	20.32	20.41	21.00
5	64QAM	12	7	20.32	20.30	20.35	20.22	20.31	21.00
5	64QAM	12	13	20.22	20.30	20.36	20.26	20.31	21.00
5	64QAM	25	0	20.29	20.22	20.39	20.20	20.23	21.00
5	256QAM	1	0	18.39	18.48	18.48	18.27	18.26	19.00
5	256QAM	1	12	18.36	18.40	18.43	18.32	18.27	19.00
5	256QAM	1	24	18.24	18.35	18.39	18.20	18.19	19.00
5	256QAM	12	0	18.17	18.20	18.36	18.21	18.21	19.00
5	256QAM	12	7	18.27	18.23	18.38	18.20	18.21	19.00
5	256QAM	12	13	18.26	18.31	18.43	18.17	18.15	19.00
5	256QAM	25	0	18.12	18.20	18.32	18.16	18.11	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	18.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	17.75	17.78	17.84	17.73	17.76	18.70
20	QPSK	1	49	17.65	17.61	17.81	17.58	17.65	18.70
20	QPSK	1	99	17.58	17.65	17.75	17.56	17.64	18.70
20	QPSK	50	0	17.69	17.72	17.82	17.64	17.73	18.70
20	QPSK	50	24	17.56	17.56	17.71	17.49	17.62	18.70
20	QPSK	50	50	17.63	17.65	17.77	17.54	17.66	18.70
20	QPSK	100	0	17.50	17.64	17.72	17.54	17.61	18.70
20	16QAM	1	0	17.56	17.65	17.75	17.50	17.55	18.70
20	16QAM	1	49	17.53	17.46	17.66	17.50	17.52	18.70
20	16QAM	1	99	17.48	17.59	17.69	17.44	17.52	18.70
20	16QAM	50	0	17.60	17.62	17.74	17.58	17.58	18.70
20	16QAM	50	24	17.58	17.68	17.76	17.55	17.59	18.70
20	16QAM	50	50	17.60	17.53	17.71	17.49	17.59	18.70
20	16QAM	100	0	17.46	17.58	17.66	17.48	17.52	18.70
20	64QAM	1	0	17.47	17.53	17.68	17.43	17.47	18.70
20	64QAM	1	49	17.45	17.52	17.62	17.47	17.50	18.70
20	64QAM	1	99	17.52	17.50	17.65	17.40	17.43	18.70
20	64QAM	50	0	17.56	17.54	17.69	17.51	17.52	18.70
20	64QAM	50	24	17.57	17.52	17.73	17.51	17.61	18.70
20	64QAM	50	50	17.61	17.54	17.74	17.54	17.55	18.70
20	64QAM	100	0	17.41	17.48	17.64	17.43	17.46	18.70
20	256QAM	1	0	17.44	17.59	17.68	17.45	17.55	18.70
20	256QAM	1	49	17.52	17.60	17.72	17.53	17.51	18.70
20	256QAM	1	99	17.59	17.65	17.73	17.48	17.62	18.70
20	256QAM	50	0	17.50	17.52	17.61	17.48	17.45	18.70
20	256QAM	50	24	17.53	17.45	17.63	17.40	17.52	18.70
20	256QAM	50	50	17.56	17.56	17.66	17.41	17.43	18.70
20	256QAM	100	0	17.42	17.50	17.65	17.40	17.55	18.70
Channel				39725	40173	40620	41068	41515	18.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	17.61	17.73	17.80	17.68	17.63	18.70
15	QPSK	1	37	17.63	17.52	17.78	17.48	17.58	18.70
15	QPSK	1	74	17.53	17.58	17.74	17.53	17.56	18.70
15	QPSK	36	0	17.68	17.54	17.78	17.60	17.68	18.70
15	QPSK	36	20	17.46	17.42	17.69	17.46	17.50	18.70
15	QPSK	36	39	17.61	17.52	17.67	17.40	17.58	18.70
15	QPSK	75	0	17.36	17.56	17.58	17.40	17.50	18.70
15	16QAM	1	0	17.50	17.55	17.68	17.43	17.53	18.70
15	16QAM	1	37	17.45	17.35	17.53	17.43	17.44	18.70
15	16QAM	1	74	17.45	17.56	17.57	17.40	17.41	18.70
15	16QAM	36	0	17.48	17.50	17.67	17.48	17.47	18.70
15	16QAM	36	20	17.45	17.65	17.71	17.46	17.56	18.70
15	16QAM	36	39	17.57	17.45	17.59	17.35	17.49	18.70
15	16QAM	75	0	17.37	17.46	17.57	17.45	17.39	18.70
15	64QAM	1	0	17.36	17.50	17.65	17.33	17.33	18.70
15	64QAM	1	37	17.43	17.49	17.57	17.33	17.37	18.70
15	64QAM	1	74	17.43	17.47	17.64	17.31	17.35	18.70
15	64QAM	36	0	17.46	17.49	17.54	17.37	17.50	18.70
15	64QAM	36	20	17.49	17.51	17.71	17.40	17.50	18.70
15	64QAM	36	39	17.54	17.46	17.71	17.47	17.43	18.70
15	64QAM	75	0	17.40	17.46	17.56	17.35	17.40	18.70
15	256QAM	1	0	17.41	17.44	17.62	17.43	17.52	18.70
15	256QAM	1	37	17.49	17.53	17.62	17.50	17.49	18.70
15	256QAM	1	74	17.57	17.60	17.62	17.43	17.60	18.70
15	256QAM	36	0	17.42	17.39	17.53	17.43	17.32	18.70
15	256QAM	36	20	17.43	17.33	17.60	17.25	17.45	18.70
15	256QAM	36	39	17.48	17.52	17.63	17.36	17.31	18.70
15	256QAM	75	0	17.33	17.42	17.63	17.36	17.49	18.70
Channel				39700	40160	40620	41080	41540	18.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	17.69	17.67	17.79	17.62	17.67	18.70
10	QPSK	1	25	17.63	17.58	17.70	17.54	17.58	18.70
10	QPSK	1	49	17.44	17.55	17.61	17.44	17.57	18.70
10	QPSK	25	0	17.57	17.56	17.73	17.63	17.63	18.70



10	QPSK	25	12	17.48	17.52	17.69	17.39	17.55	18.70
10	QPSK	25	25	17.58	17.63	17.62	17.46	17.55	18.70
10	QPSK	50	0	17.40	17.61	17.68	17.40	17.47	18.70
10	16QAM	1	0	17.46	17.62	17.63	17.44	17.50	18.70
10	16QAM	1	25	17.47	17.39	17.64	17.39	17.48	18.70
10	16QAM	1	49	17.34	17.57	17.62	17.38	17.41	18.70
10	16QAM	25	0	17.54	17.48	17.63	17.45	17.48	18.70
10	16QAM	25	12	17.47	17.59	17.63	17.53	17.52	18.70
10	16QAM	25	25	17.47	17.44	17.57	17.40	17.44	18.70
10	16QAM	50	0	17.40	17.54	17.57	17.46	17.39	18.70
10	64QAM	1	0	17.34	17.46	17.58	17.41	17.38	18.70
10	64QAM	1	25	17.35	17.40	17.60	17.36	17.43	18.70
10	64QAM	1	49	17.51	17.40	17.55	17.27	17.36	18.70
10	64QAM	25	0	17.52	17.43	17.57	17.45	17.43	18.70
10	64QAM	25	12	17.51	17.38	17.69	17.39	17.60	18.70
10	64QAM	25	25	17.56	17.51	17.70	17.51	17.45	18.70
10	64QAM	50	0	17.37	17.41	17.54	17.28	17.31	18.70
10	256QAM	1	0	17.40	17.49	17.64	17.42	17.46	18.70
10	256QAM	1	25	17.37	17.48	17.61	17.39	17.42	18.70
10	256QAM	1	49	17.55	17.56	17.61	17.39	17.57	18.70
10	256QAM	25	0	17.44	17.43	17.53	17.47	17.38	18.70
10	256QAM	25	12	17.42	17.37	17.61	17.28	17.44	18.70
10	256QAM	25	25	17.50	17.48	17.63	17.40	17.33	18.70
10	256QAM	50	0	17.41	17.39	17.51	17.27	17.48	18.70
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	17.64	17.65	17.70	17.63	17.66	18.70
5	QPSK	1	12	17.57	17.58	17.80	17.56	17.63	18.70
5	QPSK	1	24	17.47	17.63	17.60	17.53	17.51	18.70
5	QPSK	12	0	17.58	17.52	17.77	17.51	17.63	18.70
5	QPSK	12	7	17.47	17.43	17.66	17.45	17.57	18.70
5	QPSK	12	13	17.50	17.53	17.69	17.44	17.57	18.70
5	QPSK	25	0	17.35	17.62	17.68	17.45	17.47	18.70
5	16QAM	1	0	17.46	17.63	17.73	17.36	17.51	18.70
5	16QAM	1	12	17.44	17.42	17.58	17.45	17.39	18.70
5	16QAM	1	24	17.45	17.47	17.58	17.40	17.39	18.70
5	16QAM	12	0	17.54	17.56	17.73	17.44	17.47	18.70
5	16QAM	12	7	17.44	17.67	17.65	17.49	17.52	18.70
5	16QAM	12	13	17.47	17.41	17.58	17.45	17.49	18.70
5	16QAM	25	0	17.35	17.48	17.59	17.36	17.48	18.70
5	64QAM	1	0	17.33	17.45	17.56	17.30	17.32	18.70
5	64QAM	1	12	17.42	17.47	17.57	17.33	17.43	18.70
5	64QAM	1	24	17.49	17.39	17.59	17.26	17.35	18.70
5	64QAM	12	0	17.49	17.41	17.55	17.49	17.50	18.70
5	64QAM	12	7	17.49	17.42	17.71	17.40	17.59	18.70
5	64QAM	12	13	17.55	17.49	17.68	17.40	17.44	18.70
5	64QAM	25	0	17.27	17.42	17.52	17.34	17.43	18.70
5	256QAM	1	0	17.39	17.45	17.60	17.42	17.46	18.70
5	256QAM	1	12	17.41	17.57	17.57	17.41	17.42	18.70
5	256QAM	1	24	17.47	17.53	17.66	17.40	17.48	18.70
5	256QAM	12	0	17.47	17.42	17.55	17.46	17.38	18.70
5	256QAM	12	7	17.46	17.40	17.54	17.33	17.46	18.70
5	256QAM	12	13	17.47	17.54	17.52	17.32	17.35	18.70
5	256QAM	25	0	17.38	17.41	17.53	17.28	17.45	18.70



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.43	26.48	26.55	26.51	26.46	27.00
20	QPSK	1	49	26.27	26.40	26.52	26.46	26.38	27.00
20	QPSK	1	99	26.36	26.32	26.49	26.32	26.28	27.00
20	QPSK	50	0	25.39	25.34	25.53	25.41	25.29	26.00
20	QPSK	50	24	25.26	25.39	25.51	25.40	25.38	26.00
20	QPSK	50	50	25.30	25.27	25.46	25.34	25.29	26.00
20	QPSK	100	0	25.17	25.27	25.43	25.35	25.22	26.00
20	16QAM	1	0	25.21	25.30	25.45	25.34	25.34	26.00
20	16QAM	1	49	25.33	25.40	25.48	25.35	25.35	26.00
20	16QAM	1	99	25.23	25.34	25.44	25.36	25.24	26.00
20	16QAM	50	0	24.27	24.41	24.52	24.45	24.35	25.00
20	16QAM	50	24	24.28	24.31	24.48	24.34	24.32	25.00
20	16QAM	50	50	24.30	24.37	24.45	24.38	24.25	25.00
20	16QAM	100	0	24.22	24.23	24.41	24.35	24.26	25.00
20	64QAM	1	0	25.27	25.28	25.44	25.27	25.22	26.00
20	64QAM	1	49	25.19	25.21	25.41	25.27	25.26	26.00
20	64QAM	1	99	25.15	25.21	25.38	25.24	25.28	26.00
20	64QAM	50	0	24.28	24.35	24.53	24.42	24.36	25.00
20	64QAM	50	24	24.30	24.32	24.48	24.42	24.33	25.00
20	64QAM	50	50	24.31	24.33	24.45	24.39	24.29	25.00
20	64QAM	100	0	24.26	24.28	24.41	24.31	24.20	25.00
20	256QAM	1	0	21.48	21.44	21.59	21.43	21.37	22.00
20	256QAM	1	49	21.38	21.45	21.52	21.38	21.36	22.00
20	256QAM	1	99	21.26	21.30	21.48	21.33	21.29	22.00
20	256QAM	50	0	21.44	21.41	21.55	21.49	21.45	22.00
20	256QAM	50	24	21.40	21.37	21.51	21.35	21.36	22.00
20	256QAM	50	50	21.25	21.31	21.45	21.34	21.35	22.00
20	256QAM	100	0	21.30	21.35	21.43	21.33	21.34	22.00
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.28	26.38	26.43	26.44	26.41	27.00
15	QPSK	1	37	26.24	26.32	26.47	26.40	26.29	27.00
15	QPSK	1	74	26.27	26.21	26.46	26.18	26.13	27.00
15	QPSK	36	0	25.24	25.29	25.40	25.39	25.27	26.00
15	QPSK	36	20	25.22	25.30	25.49	25.28	25.26	26.00
15	QPSK	36	39	25.22	25.19	25.36	25.25	25.26	26.00
15	QPSK	75	0	25.08	25.24	25.35	25.21	25.16	26.00
15	16QAM	1	0	25.18	25.23	25.39	25.21	25.21	26.00
15	16QAM	1	37	25.21	25.31	25.38	25.29	25.31	26.00
15	16QAM	1	74	25.14	25.30	25.38	25.28	25.18	26.00
15	16QAM	36	0	24.22	24.35	24.51	24.32	24.26	25.00
15	16QAM	36	20	24.19	24.26	24.42	24.24	24.31	25.00
15	16QAM	36	39	24.26	24.25	24.43	24.37	24.16	25.00
15	16QAM	75	0	24.13	24.16	24.29	24.26	24.23	25.00
15	64QAM	1	0	25.24	25.20	25.35	25.13	25.11	26.00
15	64QAM	1	37	25.16	25.12	25.32	25.18	25.22	26.00
15	64QAM	1	74	25.03	25.18	25.34	25.16	25.15	26.00
15	64QAM	36	0	24.24	24.21	24.39	24.37	24.33	25.00
15	64QAM	36	20	24.21	24.25	24.46	24.39	24.31	25.00
15	64QAM	36	39	24.20	24.23	24.34	24.27	24.28	25.00
15	64QAM	75	0	24.25	24.17	24.35	24.30	24.17	25.00
15	256QAM	1	0	21.46	21.29	21.44	21.32	21.32	22.00
15	256QAM	1	37	21.35	21.37	21.47	21.27	21.21	22.00
15	256QAM	1	74	21.19	21.20	21.43	21.27	21.24	22.00
15	256QAM	36	0	21.32	21.40	21.48	21.44	21.38	22.00
15	256QAM	36	20	21.30	21.22	21.47	21.29	21.27	22.00
15	256QAM	36	39	21.15	21.25	21.40	21.24	21.31	22.00
15	256QAM	75	0	21.19	21.22	21.41	21.19	21.28	22.00
Channel				39700	40160	40620	41080	41540	27.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.41	26.41	26.40	26.48	26.37	27.00
10	QPSK	1	25	26.18	26.30	26.48	26.36	26.27	27.00
10	QPSK	1	49	26.26	26.22	26.34	26.27	26.21	27.00
10	QPSK	25	0	25.36	25.32	25.39	25.36	25.24	26.00



10	QPSK	25	12	25.17	25.25	25.37	25.29	25.33	26.00
10	QPSK	25	25	25.21	25.21	25.34	25.32	25.22	26.00
10	QPSK	50	0	25.06	25.23	25.31	25.31	25.19	26.00
10	16QAM	1	0	25.12	25.27	25.30	25.31	25.33	26.00
10	16QAM	1	25	25.21	25.33	25.36	25.21	25.25	26.00
10	16QAM	1	49	25.17	25.20	25.42	25.27	25.18	26.00
10	16QAM	25	0	24.23	24.37	24.43	24.37	24.26	25.00
10	16QAM	25	12	24.20	24.29	24.42	24.28	24.23	25.00
10	16QAM	25	25	24.18	24.32	24.39	24.36	24.21	25.00
10	16QAM	50	0	24.09	24.16	24.34	24.25	24.24	25.00
10	64QAM	1	0	25.24	25.23	25.34	25.15	25.18	26.00
10	64QAM	1	25	25.15	25.19	25.39	25.25	25.19	26.00
10	64QAM	1	49	25.11	25.16	25.24	25.12	25.17	26.00
10	64QAM	25	0	24.25	24.33	24.46	24.39	24.34	25.00
10	64QAM	25	12	24.17	24.20	24.47	24.34	24.32	25.00
10	64QAM	25	25	24.20	24.21	24.39	24.31	24.20	25.00
10	64QAM	50	0	24.20	24.15	24.27	24.22	24.17	25.00
10	256QAM	1	0	21.34	21.34	21.54	21.34	21.31	22.00
10	256QAM	1	25	21.32	21.32	21.48	21.27	21.25	22.00
10	256QAM	1	49	21.22	21.28	21.46	21.29	21.27	22.00
10	256QAM	25	0	21.37	21.29	21.47	21.37	21.43	22.00
10	256QAM	25	12	21.27	21.26	21.50	21.27	21.33	22.00
10	256QAM	25	25	21.13	21.23	21.34	21.25	21.29	22.00
10	256QAM	50	0	21.24	21.21	21.36	21.21	21.21	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.34	26.42	26.47	26.46	26.37	27.00
5	QPSK	1	12	26.15	26.36	26.51	26.35	26.30	27.00
5	QPSK	1	24	26.25	26.26	26.46	26.31	26.21	27.00
5	QPSK	12	0	25.37	25.32	25.49	25.32	25.22	26.00
5	QPSK	12	7	25.16	25.24	25.47	25.37	25.28	26.00
5	QPSK	12	13	25.18	25.15	25.42	25.20	25.17	26.00
5	QPSK	25	0	25.15	25.12	25.34	25.29	25.17	26.00
5	16QAM	1	0	25.07	25.20	25.42	25.31	25.26	26.00
5	16QAM	1	12	25.20	25.28	25.47	25.24	25.23	26.00
5	16QAM	1	24	25.09	25.27	25.32	25.29	25.21	26.00
5	16QAM	12	0	24.22	24.32	24.51	24.31	24.24	25.00
5	16QAM	12	7	24.21	24.17	24.34	24.26	24.23	25.00
5	16QAM	12	13	24.21	24.36	24.39	24.35	24.19	25.00
5	16QAM	25	0	24.18	24.14	24.28	24.32	24.21	25.00
5	64QAM	1	0	25.23	25.27	25.30	25.24	25.19	26.00
5	64QAM	1	12	25.07	25.19	25.34	25.16	25.19	26.00
5	64QAM	1	24	25.12	25.13	25.24	25.19	25.23	26.00
5	64QAM	12	0	24.20	24.25	24.46	24.36	24.31	25.00
5	64QAM	12	7	24.25	24.27	24.33	24.31	24.21	25.00
5	64QAM	12	13	24.17	24.20	24.38	24.37	24.18	25.00
5	64QAM	25	0	24.22	24.27	24.37	24.19	24.06	25.00
5	256QAM	1	0	21.46	21.35	21.44	21.32	21.30	22.00
5	256QAM	1	12	21.27	21.37	21.50	21.33	21.24	22.00
5	256QAM	1	24	21.23	21.18	21.40	21.22	21.27	22.00
5	256QAM	12	0	21.41	21.36	21.41	21.42	21.32	22.00
5	256QAM	12	7	21.38	21.27	21.43	21.31	21.25	22.00
5	256QAM	12	13	21.13	21.24	21.41	21.22	21.23	22.00
5	256QAM	25	0	21.19	21.32	21.34	21.20	21.30	22.00



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	22.20
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.39	21.41	21.46	21.44	21.38	22.20
20	QPSK	1	49	21.30	21.32	21.41	21.35	21.21	22.20
20	QPSK	1	99	21.26	21.21	21.38	21.31	21.25	22.20
20	QPSK	50	0	21.36	21.25	21.44	21.33	21.29	22.20
20	QPSK	50	24	21.20	21.26	21.40	21.29	21.25	22.20
20	QPSK	50	50	21.16	21.21	21.35	21.20	21.21	22.20
20	QPSK	100	0	21.21	21.30	21.36	21.26	21.16	22.20
20	16QAM	1	0	21.17	21.24	21.33	21.22	21.23	22.20
20	16QAM	1	49	21.25	21.27	21.35	21.21	21.13	22.20
20	16QAM	1	99	21.14	21.19	21.34	21.21	21.16	22.20
20	16QAM	50	0	21.18	21.32	21.39	21.29	21.21	22.20
20	16QAM	50	24	21.18	21.26	21.38	21.34	21.19	22.20
20	16QAM	50	50	21.16	21.25	21.32	21.25	21.14	22.20
20	16QAM	100	0	21.17	21.20	21.35	21.19	21.13	22.20
20	64QAM	1	0	21.19	21.30	21.36	21.26	21.24	22.20
20	64QAM	1	49	21.22	21.24	21.31	21.22	21.19	22.20
20	64QAM	1	99	21.13	21.23	21.34	21.18	21.21	22.20
20	64QAM	50	0	21.20	21.24	21.37	21.23	21.18	22.20
20	64QAM	50	24	21.22	21.28	21.39	21.28	21.27	22.20
20	64QAM	50	50	21.19	21.18	21.34	21.18	21.17	22.20
20	64QAM	100	0	21.21	21.18	21.38	21.28	21.27	22.20
20	256QAM	1	0	21.01	21.15	21.21	21.08	21.02	22.00
20	256QAM	1	49	21.08	21.00	21.19	21.05	21.07	22.00
20	256QAM	1	99	20.99	21.03	21.15	21.07	21.01	22.00
20	256QAM	50	0	21.05	21.03	21.16	21.00	21.05	22.00
20	256QAM	50	24	20.99	21.12	21.18	21.05	21.05	22.00
20	256QAM	50	50	20.92	21.02	21.13	21.10	20.91	22.00
20	256QAM	100	0	20.95	20.92	21.11	21.02	21.01	22.00
Channel				39725	40173	40620	41068	41515	22.20
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.36	21.37	21.36	21.36	21.37	22.20
15	QPSK	1	37	21.29	21.30	21.28	21.27	21.09	22.20
15	QPSK	1	74	21.23	21.14	21.36	21.22	21.21	22.20
15	QPSK	36	0	21.24	21.19	21.42	21.22	21.21	22.20
15	QPSK	36	20	21.18	21.19	21.34	21.24	21.17	22.20
15	QPSK	36	39	21.11	21.17	21.31	21.08	21.17	22.20
15	QPSK	75	0	21.06	21.22	21.26	21.22	21.04	22.20
15	16QAM	1	0	21.10	21.15	21.26	21.17	21.10	22.20
15	16QAM	1	37	21.17	21.23	21.20	21.15	21.06	22.20
15	16QAM	1	74	21.11	21.05	21.33	21.10	21.06	22.20
15	16QAM	36	0	21.05	21.27	21.36	21.20	21.12	22.20
15	16QAM	36	20	21.12	21.12	21.31	21.32	21.18	22.20
15	16QAM	36	39	21.09	21.13	21.23	21.19	20.99	22.20
15	16QAM	75	0	21.04	21.07	21.26	21.12	21.05	22.20
15	64QAM	1	0	21.17	21.21	21.24	21.20	21.11	22.20
15	64QAM	1	37	21.12	21.16	21.21	21.15	21.15	22.20
15	64QAM	1	74	21.04	21.15	21.25	21.12	21.18	22.20
15	64QAM	36	0	21.18	21.14	21.34	21.14	21.06	22.20
15	64QAM	36	20	21.09	21.13	21.25	21.17	21.23	22.20
15	64QAM	36	39	21.07	21.10	21.32	21.13	21.13	22.20
15	64QAM	75	0	21.08	21.13	21.32	21.15	21.25	22.20
15	256QAM	1	0	20.95	21.02	21.17	20.95	20.92	22.00
15	256QAM	1	37	21.02	20.94	21.11	21.00	21.02	22.00
15	256QAM	1	74	20.92	20.91	21.11	20.98	20.95	22.00
15	256QAM	36	0	20.99	20.91	21.09	20.89	20.94	22.00
15	256QAM	36	20	20.85	21.04	21.15	20.94	20.94	22.00
15	256QAM	36	39	20.83	20.93	21.02	21.00	20.81	22.00
15	256QAM	75	0	20.85	20.90	21.00	20.94	20.96	22.00
Channel				39700	40160	40620	41080	41540	22.20
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.25	21.36	21.36	21.31	21.34	22.20
10	QPSK	1	25	21.22	21.31	21.30	21.24	21.10	22.20
10	QPSK	1	49	21.23	21.12	21.24	21.22	21.19	22.20
10	QPSK	25	0	21.27	21.13	21.41	21.31	21.22	22.20



10	QPSK	25	12	21.07	21.15	21.32	21.18	21.20	22.20
10	QPSK	25	25	21.05	21.08	21.25	21.13	21.15	22.20
10	QPSK	50	0	21.13	21.26	21.26	21.25	21.13	22.20
10	16QAM	1	0	21.07	21.11	21.24	21.08	21.21	22.20
10	16QAM	1	25	21.11	21.12	21.24	21.14	21.01	22.20
10	16QAM	1	49	21.10	21.07	21.29	21.07	21.15	22.20
10	16QAM	25	0	21.14	21.22	21.24	21.26	21.18	22.20
10	16QAM	25	12	21.11	21.18	21.35	21.28	21.09	22.20
10	16QAM	25	25	21.04	21.23	21.21	21.19	21.05	22.20
10	16QAM	50	0	21.15	21.08	21.29	21.17	21.00	22.20
10	64QAM	1	0	21.07	21.15	21.26	21.23	21.21	22.20
10	64QAM	1	25	21.11	21.11	21.23	21.09	21.15	22.20
10	64QAM	1	49	21.11	21.09	21.19	21.14	21.19	22.20
10	64QAM	25	0	21.19	21.14	21.25	21.16	21.04	22.20
10	64QAM	25	12	21.19	21.16	21.31	21.27	21.14	22.20
10	64QAM	25	25	21.06	21.14	21.30	21.07	21.09	22.20
10	64QAM	50	0	21.10	21.11	21.34	21.22	21.21	22.20
10	256QAM	1	0	20.97	21.02	21.07	20.97	21.01	22.00
10	256QAM	1	25	21.03	20.86	21.11	20.91	20.95	22.00
10	256QAM	1	49	20.91	20.93	21.12	20.95	20.93	22.00
10	256QAM	25	0	20.96	20.89	21.01	20.88	20.96	22.00
10	256QAM	25	12	20.93	21.02	21.16	21.00	21.00	22.00
10	256QAM	25	25	20.91	20.88	21.10	21.04	20.78	22.00
10	256QAM	50	0	20.80	20.88	20.98	20.92	20.88	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	21.29	21.36	21.42	21.30	21.36	22.20
5	QPSK	1	12	21.18	21.30	21.29	21.24	21.09	22.20
5	QPSK	1	24	21.25	21.13	21.34	21.20	21.10	22.20
5	QPSK	12	0	21.33	21.13	21.34	21.21	21.22	22.20
5	QPSK	12	7	21.14	21.20	21.31	21.19	21.19	22.20
5	QPSK	12	13	21.10	21.08	21.29	21.13	21.14	22.20
5	QPSK	25	0	21.11	21.27	21.32	21.18	21.06	22.20
5	16QAM	1	0	21.07	21.14	21.24	21.11	21.20	22.20
5	16QAM	1	12	21.21	21.16	21.29	21.06	21.04	22.20
5	16QAM	1	24	21.12	21.16	21.29	21.14	21.09	22.20
5	16QAM	12	0	21.12	21.27	21.33	21.14	21.19	22.20
5	16QAM	12	7	21.14	21.21	21.25	21.29	21.08	22.20
5	16QAM	12	13	21.14	21.17	21.23	21.19	21.04	22.20
5	16QAM	25	0	21.06	21.15	21.29	21.05	21.09	22.20
5	64QAM	1	0	21.06	21.29	21.30	21.17	21.19	22.20
5	64QAM	1	12	21.12	21.14	21.21	21.19	21.05	22.20
5	64QAM	1	24	21.03	21.18	21.30	21.16	21.15	22.20
5	64QAM	12	0	21.18	21.21	21.35	21.17	21.05	22.20
5	64QAM	12	7	21.12	21.15	21.31	21.20	21.13	22.20
5	64QAM	12	13	21.15	21.08	21.19	21.04	21.09	22.20
5	64QAM	25	0	21.20	21.08	21.31	21.22	21.22	22.20
5	256QAM	1	0	20.99	21.13	21.14	21.04	20.98	22.00
5	256QAM	1	12	20.98	20.86	21.05	20.95	20.95	22.00
5	256QAM	1	24	20.94	20.95	21.11	21.05	20.87	22.00
5	256QAM	12	0	20.99	20.96	21.06	20.88	20.97	22.00
5	256QAM	12	7	20.90	21.06	21.17	20.96	20.94	22.00
5	256QAM	12	13	20.80	20.91	21.03	21.01	20.86	22.00
5	256QAM	25	0	20.91	20.83	21.08	20.99	20.93	22.00



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	23.90
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.98	23.01	23.05	22.91	22.95	23.90
20	QPSK	1	49	22.80	22.85	23.01	22.83	22.87	23.90
20	QPSK	1	99	22.85	22.79	22.98	22.73	22.80	23.90
20	QPSK	50	0	22.89	22.96	23.03	22.78	22.87	23.90
20	QPSK	50	24	22.81	22.79	22.94	22.74	22.79	23.90
20	QPSK	50	50	22.80	22.85	22.96	22.80	22.71	23.90
20	QPSK	100	0	22.82	22.75	22.91	22.76	22.72	23.90
20	16QAM	1	0	22.75	22.79	22.93	22.72	22.70	23.90
20	16QAM	1	49	22.76	22.84	22.94	22.75	22.81	23.90
20	16QAM	1	99	22.74	22.88	22.96	22.72	22.83	23.90
20	16QAM	50	0	22.80	22.86	22.98	22.81	22.78	23.90
20	16QAM	50	24	22.75	22.87	22.95	22.77	22.80	23.90
20	16QAM	50	50	22.79	22.73	22.91	22.63	22.80	23.90
20	16QAM	100	0	22.75	22.76	22.93	22.72	22.69	23.90
20	64QAM	1	0	22.70	22.80	22.89	22.69	22.74	23.90
20	64QAM	1	49	22.69	22.78	22.84	22.59	22.71	23.90
20	64QAM	1	99	22.75	22.70	22.85	22.65	22.65	23.90
20	64QAM	50	0	22.74	22.75	22.88	22.68	22.71	23.90
20	64QAM	50	24	22.74	22.73	22.87	22.72	22.70	23.90
20	64QAM	50	50	22.67	22.65	22.83	22.57	22.69	23.90
20	64QAM	100	0	22.70	22.78	22.86	22.70	22.75	23.90
20	256QAM	1	0	21.07	21.07	21.18	20.98	21.07	22.00
20	256QAM	1	49	20.97	21.03	21.16	20.91	20.94	22.00
20	256QAM	1	99	20.94	20.94	21.11	20.91	21.01	22.00
20	256QAM	50	0	20.96	21.03	21.14	20.89	21.00	22.00
20	256QAM	50	24	21.07	20.99	21.15	20.98	21.03	22.00
20	256QAM	50	50	20.94	21.04	21.11	20.87	20.89	22.00
20	256QAM	100	0	20.97	21.03	21.13	20.90	20.97	22.00
Channel				39725	40173	40620	41068	41515	23.90
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.88	22.88	22.92	22.82	22.89	23.90
15	QPSK	1	37	22.73	22.70	22.93	22.75	22.82	23.90
15	QPSK	1	74	22.82	22.65	22.95	22.62	22.71	23.90
15	QPSK	36	0	22.77	22.83	22.97	22.76	22.85	23.90
15	QPSK	36	20	22.77	22.67	22.90	22.70	22.68	23.90
15	QPSK	36	39	22.73	22.80	22.84	22.68	22.64	23.90
15	QPSK	75	0	22.70	22.62	22.78	22.62	22.67	23.90
15	16QAM	1	0	22.72	22.77	22.78	22.68	22.66	23.90
15	16QAM	1	37	22.66	22.79	22.80	22.70	22.70	23.90
15	16QAM	1	74	22.60	22.85	22.91	22.62	22.73	23.90
15	16QAM	36	0	22.67	22.82	22.91	22.68	22.64	23.90
15	16QAM	36	20	22.61	22.83	22.82	22.71	22.70	23.90
15	16QAM	36	39	22.76	22.65	22.84	22.58	22.69	23.90
15	16QAM	75	0	22.63	22.72	22.90	22.65	22.62	23.90
15	64QAM	1	0	22.62	22.78	22.87	22.64	22.66	23.90
15	64QAM	1	37	22.62	22.69	22.82	22.57	22.64	23.90
15	64QAM	1	74	22.66	22.56	22.75	22.55	22.59	23.90
15	64QAM	36	0	22.66	22.72	22.77	22.58	22.58	23.90
15	64QAM	36	20	22.59	22.70	22.86	22.69	22.68	23.90
15	64QAM	36	39	22.61	22.55	22.77	22.43	22.62	23.90
15	64QAM	75	0	22.68	22.71	22.77	22.68	22.71	23.90
15	256QAM	1	0	20.98	20.98	21.12	20.85	20.97	22.00
15	256QAM	1	37	20.93	20.97	21.05	20.85	20.91	22.00
15	256QAM	1	74	20.92	20.91	21.07	20.84	20.93	22.00
15	256QAM	36	0	20.93	20.98	21.00	20.88	20.97	22.00
15	256QAM	36	20	20.96	20.89	21.14	20.90	20.93	22.00
15	256QAM	36	39	20.84	20.96	20.97	20.82	20.82	22.00
15	256QAM	75	0	20.87	20.93	21.11	20.76	20.83	22.00
Channel				39700	40160	40620	41080	41540	23.90
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.95	23.00	22.93	22.77	22.92	23.90
10	QPSK	1	25	22.74	22.75	22.93	22.73	22.84	23.90
10	QPSK	1	49	22.74	22.72	22.89	22.67	22.74	23.90
10	QPSK	25	0	22.83	22.94	23.01	22.71	22.84	23.90



10	QPSK	25	12	22.75	22.68	22.84	22.60	22.68	23.90
10	QPSK	25	25	22.72	22.73	22.85	22.66	22.67	23.90
10	QPSK	50	0	22.73	22.64	22.82	22.66	22.70	23.90
10	16QAM	1	0	22.62	22.69	22.83	22.62	22.65	23.90
10	16QAM	1	25	22.65	22.79	22.88	22.73	22.79	23.90
10	16QAM	1	49	22.59	22.83	22.85	22.68	22.72	23.90
10	16QAM	25	0	22.79	22.80	22.93	22.66	22.74	23.90
10	16QAM	25	12	22.62	22.74	22.94	22.66	22.72	23.90
10	16QAM	25	25	22.75	22.64	22.86	22.53	22.68	23.90
10	16QAM	50	0	22.66	22.65	22.88	22.62	22.60	23.90
10	64QAM	1	0	22.60	22.72	22.80	22.66	22.64	23.90
10	64QAM	1	25	22.58	22.77	22.69	22.57	22.60	23.90
10	64QAM	1	49	22.67	22.62	22.77	22.57	22.51	23.90
10	64QAM	25	0	22.65	22.68	22.76	22.56	22.61	23.90
10	64QAM	25	12	22.60	22.62	22.82	22.63	22.67	23.90
10	64QAM	25	25	22.64	22.59	22.72	22.55	22.57	23.90
10	64QAM	50	0	22.67	22.72	22.74	22.68	22.62	23.90
10	256QAM	1	0	21.01	20.94	21.05	20.88	21.02	22.00
10	256QAM	1	25	20.89	20.99	21.12	20.84	20.80	22.00
10	256QAM	1	49	20.83	20.86	20.98	20.80	20.86	22.00
10	256QAM	25	0	20.94	21.01	21.02	20.81	20.92	22.00
10	256QAM	25	12	20.99	20.96	21.04	20.96	20.98	22.00
10	256QAM	25	25	20.88	20.99	20.96	20.77	20.79	22.00
10	256QAM	50	0	20.93	20.95	21.07	20.81	20.84	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.93	22.89	22.99	22.85	22.84	23.90
5	QPSK	1	12	22.73	22.82	22.99	22.80	22.77	23.90
5	QPSK	1	24	22.82	22.76	22.97	22.68	22.74	23.90
5	QPSK	12	0	22.77	22.88	22.88	22.73	22.83	23.90
5	QPSK	12	7	22.68	22.71	22.82	22.72	22.72	23.90
5	QPSK	12	13	22.65	22.84	22.84	22.78	22.56	23.90
5	QPSK	25	0	22.67	22.67	22.84	22.67	22.67	23.90
5	16QAM	1	0	22.68	22.77	22.89	22.65	22.63	23.90
5	16QAM	1	12	22.71	22.78	22.91	22.64	22.70	23.90
5	16QAM	1	24	22.66	22.74	22.93	22.70	22.80	23.90
5	16QAM	12	0	22.74	22.79	22.88	22.78	22.71	23.90
5	16QAM	12	7	22.63	22.74	22.84	22.74	22.77	23.90
5	16QAM	12	13	22.66	22.61	22.88	22.57	22.69	23.90
5	16QAM	25	0	22.61	22.66	22.78	22.68	22.60	23.90
5	64QAM	1	0	22.64	22.76	22.81	22.54	22.72	23.90
5	64QAM	1	12	22.60	22.68	22.74	22.54	22.62	23.90
5	64QAM	1	24	22.73	22.61	22.74	22.52	22.54	23.90
5	64QAM	12	0	22.61	22.73	22.75	22.57	22.61	23.90
5	64QAM	12	7	22.62	22.65	22.75	22.62	22.58	23.90
5	64QAM	12	13	22.62	22.62	22.69	22.53	22.64	23.90
5	64QAM	25	0	22.64	22.73	22.83	22.59	22.69	23.90
5	256QAM	1	0	21.01	20.97	21.08	20.86	20.98	22.00
5	256QAM	1	12	20.84	20.97	21.04	20.83	20.82	22.00
5	256QAM	1	24	20.81	20.87	20.97	20.85	20.95	22.00
5	256QAM	12	0	20.92	20.99	21.12	20.80	20.86	22.00
5	256QAM	12	7	20.96	20.85	21.09	20.91	20.89	22.00
5	256QAM	12	13	20.93	20.97	21.02	20.82	20.82	22.00
5	256QAM	25	0	20.96	20.91	21.00	20.87	20.83	22.00



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	25.90
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.98	24.95	25.02	24.93	24.96	25.90
20	QPSK	1	49	24.80	24.84	24.95	24.73	24.86	25.90
20	QPSK	1	99	24.88	24.87	24.98	24.86	24.88	25.90
20	QPSK	50	0	24.91	24.82	24.99	24.75	24.88	25.90
20	QPSK	50	24	24.76	24.69	24.81	24.65	24.61	25.90
20	QPSK	50	50	24.72	24.73	24.86	24.64	24.71	25.90
20	QPSK	100	0	24.74	24.69	24.82	24.61	24.66	25.90
20	16QAM	1	0	24.73	24.77	24.89	24.71	24.69	25.90
20	16QAM	1	49	24.76	24.70	24.83	24.72	24.65	25.90
20	16QAM	1	99	24.81	24.73	24.87	24.74	24.68	25.90
20	16QAM	50	0	24.05	23.96	24.11	23.96	24.03	25.00
20	16QAM	50	24	23.98	23.95	24.05	23.84	23.93	25.00
20	16QAM	50	50	23.98	23.89	24.08	23.87	23.88	25.00
20	16QAM	100	0	23.95	23.90	24.03	23.92	23.89	25.00
20	64QAM	1	0	23.92	23.91	24.01	23.90	23.85	25.00
20	64QAM	1	49	23.86	23.89	24.02	23.89	23.85	25.00
20	64QAM	1	99	23.96	23.93	24.04	23.86	23.85	25.00
20	64QAM	50	0	22.91	22.88	23.08	22.97	22.99	24.00
20	64QAM	50	24	22.93	22.95	23.05	22.89	22.91	24.00
20	64QAM	50	50	22.95	22.89	23.01	22.85	22.83	24.00
20	64QAM	100	0	22.91	22.87	23.03	22.87	22.90	24.00
20	256QAM	1	0	21.03	20.99	21.10	20.98	21.02	22.00
20	256QAM	1	49	20.99	20.92	21.06	20.88	20.95	22.00
20	256QAM	1	99	20.98	20.92	21.05	20.85	20.96	22.00
20	256QAM	50	0	20.97	20.96	21.04	20.85	20.89	22.00
20	256QAM	50	24	20.94	20.88	21.01	20.91	20.85	22.00
20	256QAM	50	50	20.98	20.96	21.03	20.85	20.87	22.00
20	256QAM	100	0	20.88	20.90	21.05	20.90	20.86	22.00
Channel				39725	40173	40620	41068	41515	25.90
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.90	24.91	24.90	24.81	24.92	25.90
15	QPSK	1	37	24.67	24.74	24.92	24.62	24.84	25.90
15	QPSK	1	74	24.86	24.82	24.91	24.83	24.82	25.90
15	QPSK	36	0	24.89	24.69	24.90	24.65	24.74	25.90
15	QPSK	36	20	24.61	24.62	24.73	24.51	24.51	25.90
15	QPSK	36	39	24.70	24.63	24.74	24.59	24.64	25.90
15	QPSK	75	0	24.67	24.59	24.73	24.49	24.53	25.90
15	16QAM	1	0	24.64	24.68	24.79	24.61	24.61	25.90
15	16QAM	1	37	24.70	24.61	24.68	24.70	24.54	25.90
15	16QAM	1	74	24.74	24.65	24.85	24.71	24.62	25.90
15	16QAM	36	0	24.04	23.89	23.97	23.92	23.88	25.00
15	16QAM	36	20	23.89	23.92	23.97	23.72	23.92	25.00
15	16QAM	36	39	23.86	23.87	23.95	23.74	23.79	25.00
15	16QAM	75	0	23.85	23.88	23.90	23.82	23.76	25.00
15	64QAM	1	0	23.82	23.87	23.91	23.85	23.82	25.00
15	64QAM	1	37	23.82	23.77	23.93	23.83	23.83	25.00
15	64QAM	1	74	23.95	23.87	23.91	23.84	23.73	25.00
15	64QAM	36	0	22.84	22.79	22.97	22.88	22.87	24.00
15	64QAM	36	20	22.90	22.89	22.99	22.82	22.83	24.00
15	64QAM	36	39	22.82	22.83	22.89	22.76	22.73	24.00
15	64QAM	75	0	22.78	22.78	22.90	22.75	22.84	24.00
15	256QAM	1	0	20.95	20.89	20.96	20.86	20.89	22.00
15	256QAM	1	37	20.96	20.90	21.01	20.82	20.92	22.00
15	256QAM	1	74	20.96	20.88	20.95	20.80	20.84	22.00
15	256QAM	36	0	20.86	20.91	20.98	20.78	20.76	22.00
15	256QAM	36	20	20.90	20.84	20.90	20.79	20.79	22.00
15	256QAM	36	39	20.88	20.82	20.98	20.84	20.75	22.00
15	256QAM	75	0	20.82	20.76	21.03	20.87	20.72	22.00
Channel				39700	40160	40620	41080	41540	25.90
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.86	24.85	24.93	24.78	24.87	25.90
10	QPSK	1	25	24.77	24.75	24.81	24.65	24.78	25.90
10	QPSK	1	49	24.82	24.75	24.88	24.83	24.78	25.90
10	QPSK	25	0	24.79	24.77	24.86	24.73	24.84	25.90



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10	QPSK	25	12	24.68	24.58	24.77	24.55	24.55	25.90
10	QPSK	25	25	24.62	24.69	24.72	24.63	24.58	25.90
10	QPSK	50	0	24.73	24.61	24.78	24.46	24.61	25.90
10	16QAM	1	0	24.58	24.76	24.87	24.63	24.65	25.90
10	16QAM	1	25	24.70	24.56	24.76	24.67	24.52	25.90
10	16QAM	1	49	24.69	24.69	24.78	24.70	24.65	25.90
10	16QAM	25	0	23.94	23.94	23.96	23.81	23.93	25.00
10	16QAM	25	12	23.87	23.80	23.91	23.82	23.84	25.00
10	16QAM	25	25	23.85	23.78	23.96	23.75	23.81	25.00
10	16QAM	50	0	23.83	23.79	23.90	23.86	23.88	25.00
10	64QAM	1	0	23.79	23.77	23.94	23.85	23.84	25.00
10	64QAM	1	25	23.72	23.88	23.95	23.74	23.82	25.00
10	64QAM	1	49	23.92	23.80	23.96	23.83	23.82	25.00
10	64QAM	25	0	22.83	22.85	23.03	22.84	22.88	24.00
10	64QAM	25	12	22.88	22.83	23.03	22.75	22.85	24.00
10	64QAM	25	25	22.84	22.83	22.92	22.81	22.75	24.00
10	64QAM	50	0	22.88	22.81	22.94	22.76	22.84	24.00
10	256QAM	1	0	20.95	20.90	21.06	20.84	21.01	22.00
10	256QAM	1	25	20.91	20.86	21.00	20.81	20.94	22.00
10	256QAM	1	49	20.84	20.91	20.98	20.79	20.85	22.00
10	256QAM	25	0	20.95	20.91	21.03	20.81	20.84	22.00
10	256QAM	25	12	20.79	20.83	20.89	20.81	20.83	22.00
10	256QAM	25	25	20.97	20.81	20.91	20.70	20.82	22.00
10	256QAM	50	0	20.77	20.88	20.98	20.81	20.76	22.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	24.94	24.82	24.93	24.83	24.87	25.90
5	QPSK	1	12	24.77	24.79	24.94	24.59	24.71	25.90
5	QPSK	1	24	24.83	24.80	24.95	24.79	24.83	25.90
5	QPSK	12	0	24.88	24.74	24.98	24.70	24.85	25.90
5	QPSK	12	7	24.74	24.59	24.72	24.60	24.51	25.90
5	QPSK	12	13	24.58	24.61	24.73	24.62	24.70	25.90
5	QPSK	25	0	24.70	24.64	24.73	24.50	24.63	25.90
5	16QAM	1	0	24.69	24.69	24.76	24.68	24.55	25.90
5	16QAM	1	12	24.70	24.58	24.80	24.70	24.53	25.90
5	16QAM	1	24	24.69	24.70	24.74	24.62	24.61	25.90
5	16QAM	12	0	23.98	23.94	24.00	23.82	23.93	25.00
5	16QAM	12	7	23.84	23.80	24.03	23.72	23.79	25.00
5	16QAM	12	13	23.90	23.78	23.96	23.79	23.84	25.00
5	16QAM	25	0	23.83	23.85	23.89	23.86	23.77	25.00
5	64QAM	1	0	23.83	23.78	23.97	23.83	23.71	25.00
5	64QAM	1	12	23.74	23.76	23.90	23.77	23.78	25.00
5	64QAM	1	24	23.92	23.80	23.99	23.74	23.73	25.00
5	64QAM	12	0	22.78	22.81	23.06	22.82	22.92	24.00
5	64QAM	12	7	22.88	22.93	23.02	22.85	22.81	24.00
5	64QAM	12	13	22.89	22.86	22.91	22.80	22.80	24.00
5	64QAM	25	0	22.88	22.83	22.90	22.81	22.84	24.00
5	256QAM	1	0	20.95	20.90	20.99	20.83	20.88	22.00
5	256QAM	1	12	20.95	20.84	21.01	20.78	20.85	22.00
5	256QAM	1	24	20.92	20.87	20.97	20.82	20.83	22.00
5	256QAM	12	0	20.82	20.82	20.94	20.75	20.82	22.00
5	256QAM	12	7	20.83	20.87	20.93	20.77	20.81	22.00
5	256QAM	12	13	20.84	20.91	20.91	20.75	20.81	22.00
5	256QAM	25	0	20.82	20.88	20.98	20.85	20.83	22.00



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	20.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.40	19.42	19.47	19.45	19.38	20.30
20	QPSK	1	49	19.35	19.29	19.44	19.37	19.21	20.30
20	QPSK	1	99	19.28	19.21	19.41	19.34	19.21	20.30
20	QPSK	50	0	19.29	19.30	19.45	19.39	19.25	20.30
20	QPSK	50	24	19.18	19.34	19.40	19.32	19.29	20.30
20	QPSK	50	50	19.22	19.29	19.38	19.22	19.21	20.30
20	QPSK	100	0	19.20	19.13	19.31	19.21	19.15	20.30
20	16QAM	1	0	19.25	19.22	19.35	19.19	19.21	20.30
20	16QAM	1	49	19.19	19.13	19.33	19.19	19.17	20.30
20	16QAM	1	99	19.23	19.30	19.37	19.25	19.27	20.30
20	16QAM	50	0	19.16	19.21	19.34	19.24	19.21	20.30
20	16QAM	50	24	19.19	19.23	19.36	19.25	19.23	20.30
20	16QAM	50	50	19.13	19.23	19.31	19.23	19.10	20.30
20	16QAM	100	0	19.20	19.08	19.28	19.14	19.10	20.30
20	64QAM	1	0	19.15	19.10	19.29	19.24	19.13	20.30
20	64QAM	1	49	19.20	19.13	19.33	19.18	19.11	20.30
20	64QAM	1	99	19.23	19.29	19.36	19.28	19.15	20.30
20	64QAM	50	0	19.25	19.23	19.38	19.23	19.23	20.30
20	64QAM	50	24	19.11	19.12	19.31	19.28	19.10	20.30
20	64QAM	50	50	19.20	19.19	19.33	19.28	19.15	20.30
20	64QAM	100	0	19.29	19.26	19.37	19.23	19.14	20.30
20	256QAM	1	0	19.22	19.19	19.31	19.17	19.15	20.30
20	256QAM	1	49	19.23	19.16	19.34	19.24	19.17	20.30
20	256QAM	1	99	19.19	19.23	19.33	19.21	19.21	20.30
20	256QAM	50	0	19.22	19.19	19.36	19.31	19.25	20.30
20	256QAM	50	24	19.24	19.15	19.34	19.31	19.14	20.30
20	256QAM	50	50	19.18	19.18	19.35	19.31	19.16	20.30
20	256QAM	100	0	19.22	19.13	19.31	19.19	19.08	20.30
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.39	19.28	19.37	19.37	19.24	20.30
15	QPSK	1	37	19.28	19.18	19.33	19.23	19.20	20.30
15	QPSK	1	74	19.14	19.19	19.40	19.27	19.19	20.30
15	QPSK	36	0	19.21	19.20	19.41	19.30	19.10	20.30
15	QPSK	36	20	19.09	19.28	19.34	19.27	19.25	20.30
15	QPSK	36	39	19.12	19.27	19.29	19.12	19.08	20.30
15	QPSK	75	0	19.17	19.01	19.28	19.15	19.09	20.30
15	16QAM	1	0	19.23	19.09	19.26	19.14	19.20	20.30
15	16QAM	1	37	19.07	19.08	19.25	19.07	19.13	20.30
15	16QAM	1	74	19.19	19.20	19.32	19.14	19.17	20.30
15	16QAM	36	0	19.05	19.11	19.30	19.09	19.15	20.30
15	16QAM	36	20	19.14	19.19	19.32	19.23	19.09	20.30
15	16QAM	36	39	19.12	19.12	19.19	19.17	18.98	20.30
15	16QAM	75	0	19.09	18.96	19.22	19.11	19.09	20.30
15	64QAM	1	0	19.02	18.96	19.23	19.15	19.12	20.30
15	64QAM	1	37	19.16	19.09	19.27	19.13	19.00	20.30
15	64QAM	1	74	19.16	19.25	19.21	19.15	19.03	20.30
15	64QAM	36	0	19.20	19.20	19.25	19.11	19.22	20.30
15	64QAM	36	20	18.98	19.07	19.24	19.27	18.97	20.30
15	64QAM	36	39	19.06	19.15	19.24	19.27	19.07	20.30
15	64QAM	75	0	19.16	19.11	19.35	19.17	19.03	20.30
15	256QAM	1	0	19.09	19.05	19.19	19.15	19.13	20.30
15	256QAM	1	37	19.18	19.13	19.28	19.18	19.10	20.30
15	256QAM	1	74	19.06	19.19	19.26	19.11	19.12	20.30
15	256QAM	36	0	19.19	19.12	19.30	19.19	19.20	20.30
15	256QAM	36	20	19.17	19.07	19.29	19.18	19.10	20.30
15	256QAM	36	39	19.08	19.04	19.27	19.24	19.02	20.30
15	256QAM	75	0	19.19	19.10	19.17	19.12	18.98	20.30
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.30	19.31	19.32	19.31	19.36	20.30
10	QPSK	1	25	19.21	19.21	19.41	19.28	19.20	20.30
10	QPSK	1	49	19.17	19.12	19.32	19.32	19.14	20.30
10	QPSK	25	0	19.22	19.16	19.44	19.29	19.13	20.30



10	QPSK	25	12	19.07	19.33	19.33	19.18	19.21	20.30
10	QPSK	25	25	19.17	19.27	19.29	19.17	19.19	20.30
10	QPSK	50	0	19.15	19.03	19.19	19.08	19.10	20.30
10	16QAM	1	0	19.12	19.11	19.28	19.12	19.09	20.30
10	16QAM	1	25	19.06	19.10	19.30	19.17	19.07	20.30
10	16QAM	1	49	19.14	19.16	19.34	19.14	19.22	20.30
10	16QAM	25	0	19.04	19.13	19.31	19.11	19.19	20.30
10	16QAM	25	12	19.15	19.14	19.34	19.23	19.08	20.30
10	16QAM	25	25	19.00	19.16	19.21	19.20	18.96	20.30
10	16QAM	50	0	19.11	19.01	19.19	18.99	19.03	20.30
10	64QAM	1	0	19.10	18.96	19.18	19.11	19.04	20.30
10	64QAM	1	25	19.07	19.06	19.28	19.11	19.04	20.30
10	64QAM	1	49	19.17	19.23	19.25	19.17	19.06	20.30
10	64QAM	25	0	19.18	19.13	19.34	19.09	19.08	20.30
10	64QAM	25	12	19.06	19.02	19.20	19.16	18.98	20.30
10	64QAM	25	25	19.16	19.10	19.26	19.14	19.08	20.30
10	64QAM	50	0	19.16	19.13	19.33	19.11	19.04	20.30
10	256QAM	1	0	19.19	19.06	19.23	19.10	19.11	20.30
10	256QAM	1	25	19.08	19.11	19.31	19.19	19.06	20.30
10	256QAM	1	49	19.16	19.11	19.20	19.12	19.07	20.30
10	256QAM	25	0	19.09	19.15	19.32	19.21	19.24	20.30
10	256QAM	25	12	19.14	19.10	19.20	19.29	19.02	20.30
10	256QAM	25	25	19.12	19.09	19.29	19.25	19.03	20.30
10	256QAM	50	0	19.07	19.00	19.24	19.12	19.06	20.30
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.34	19.30	19.39	19.43	19.31	20.30
5	QPSK	1	12	19.23	19.24	19.40	19.23	19.11	20.30
5	QPSK	1	24	19.17	19.09	19.37	19.30	19.10	20.30
5	QPSK	12	0	19.18	19.25	19.32	19.37	19.15	20.30
5	QPSK	12	7	19.13	19.32	19.34	19.20	19.22	20.30
5	QPSK	12	13	19.17	19.16	19.30	19.17	19.18	20.30
5	QPSK	25	0	19.14	19.09	19.30	19.11	19.04	20.30
5	16QAM	1	0	19.18	19.07	19.20	19.15	19.13	20.30
5	16QAM	1	12	19.15	19.05	19.26	19.04	19.13	20.30
5	16QAM	1	24	19.17	19.18	19.34	19.13	19.25	20.30
5	16QAM	12	0	19.02	19.12	19.22	19.12	19.11	20.30
5	16QAM	12	7	19.09	19.13	19.31	19.16	19.13	20.30
5	16QAM	12	13	19.07	19.21	19.30	19.18	19.04	20.30
5	16QAM	25	0	19.05	19.01	19.16	19.04	19.03	20.30
5	64QAM	1	0	19.11	19.03	19.25	19.16	19.01	20.30
5	64QAM	1	12	19.16	19.08	19.29	19.03	19.00	20.30
5	64QAM	1	24	19.20	19.16	19.27	19.18	19.12	20.30
5	64QAM	12	0	19.13	19.17	19.28	19.17	19.21	20.30
5	64QAM	12	7	19.05	18.99	19.18	19.19	18.95	20.30
5	64QAM	12	13	19.11	19.16	19.22	19.25	19.03	20.30
5	64QAM	25	0	19.15	19.13	19.32	19.18	19.10	20.30
5	256QAM	1	0	19.19	19.15	19.17	19.08	19.01	20.30
5	256QAM	1	12	19.17	19.08	19.27	19.13	19.07	20.30
5	256QAM	1	24	19.15	19.12	19.20	19.11	19.09	20.30
5	256QAM	12	0	19.14	19.17	19.29	19.17	19.14	20.30
5	256QAM	12	7	19.14	19.02	19.22	19.23	19.10	20.30
5	256QAM	12	13	19.03	19.11	19.33	19.22	19.04	20.30
5	256QAM	25	0	19.18	18.99	19.23	19.18	18.94	20.30



【LTE Band 41_FCC (2496~2690MHz)_Ant

4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.59	23.62	23.66	23.64	23.65	24.00
20	QPSK	1	49	23.24	23.35	23.40	23.45	23.39	24.00
20	QPSK	1	99	23.29	23.38	23.36	23.44	23.39	24.00
20	QPSK	50	0	22.66	22.64	22.72	22.66	22.69	23.00
20	QPSK	50	24	22.28	22.24	22.46	22.46	22.47	23.00
20	QPSK	50	50	22.38	22.35	22.44	22.42	22.38	23.00
20	QPSK	100	0	22.58	22.64	22.55	22.66	22.38	23.00
20	16QAM	1	0	22.14	22.32	22.34	22.39	22.32	23.00
20	16QAM	1	49	22.40	22.37	22.41	22.52	22.35	23.00
20	16QAM	1	99	22.21	22.50	22.26	22.33	22.11	23.00
20	16QAM	50	0	21.54	21.68	21.70	21.71	21.62	22.00
20	16QAM	50	24	21.27	21.29	21.36	21.46	21.27	22.00
20	16QAM	50	50	21.26	21.34	21.44	21.46	21.31	22.00
20	16QAM	100	0	21.55	21.68	21.59	21.64	21.38	22.00
20	64QAM	1	0	21.19	21.25	21.37	21.44	21.25	22.00
20	64QAM	1	49	21.26	21.36	21.44	21.32	21.25	22.00
20	64QAM	1	99	21.22	21.39	21.47	21.41	21.19	22.00
20	64QAM	50	0	20.51	20.61	20.71	20.68	20.56	21.00
20	64QAM	50	24	20.13	20.27	20.48	20.35	20.31	21.00
20	64QAM	50	50	20.33	20.41	20.28	20.38	20.47	21.00
20	64QAM	100	0	20.56	20.50	20.64	20.65	20.52	21.00
20	256QAM	1	0	18.58	18.65	18.71	18.69	18.76	19.00
20	256QAM	1	49	18.14	18.33	18.44	18.49	18.47	19.00
20	256QAM	1	99	18.40	18.42	18.39	18.38	18.36	19.00
20	256QAM	50	0	18.63	18.67	18.76	18.64	18.35	19.00
20	256QAM	50	24	18.16	18.41	18.33	18.56	18.25	19.00
20	256QAM	50	50	18.20	18.44	18.40	18.48	18.33	19.00
20	256QAM	100	0	18.40	18.50	18.29	18.46	18.07	19.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.47	23.48	23.51	23.56	23.55	24.00
15	QPSK	1	37	23.19	23.33	23.26	23.30	23.32	24.00
15	QPSK	1	74	23.15	23.28	23.29	23.37	23.34	24.00
15	QPSK	36	0	22.55	22.58	22.66	22.51	22.59	23.00
15	QPSK	36	20	22.20	22.20	22.34	22.31	22.33	23.00
15	QPSK	36	39	22.24	22.30	22.35	22.33	22.30	23.00
15	QPSK	75	0	22.56	22.56	22.52	22.59	22.26	23.00
15	16QAM	1	0	22.08	22.31	22.21	22.36	22.25	23.00
15	16QAM	1	37	22.35	22.33	22.32	22.38	22.33	23.00
15	16QAM	1	74	22.09	22.38	22.18	22.21	21.99	23.00
15	16QAM	36	0	21.47	21.56	21.60	21.61	21.49	22.00
15	16QAM	36	20	21.13	21.20	21.26	21.39	21.25	22.00
15	16QAM	36	39	21.13	21.30	21.40	21.40	21.21	22.00
15	16QAM	75	0	21.42	21.62	21.45	21.52	21.30	22.00
15	64QAM	1	0	21.15	21.21	21.30	21.41	21.22	22.00
15	64QAM	1	37	21.16	21.24	21.38	21.23	21.19	22.00
15	64QAM	1	74	21.17	21.24	21.37	21.39	21.11	22.00
15	64QAM	36	0	20.46	20.52	20.64	20.63	20.50	21.00
15	64QAM	36	20	20.01	20.21	20.34	20.26	20.23	21.00
15	64QAM	36	39	20.27	20.40	20.14	20.29	20.34	21.00
15	64QAM	75	0	20.44	20.40	20.59	20.51	20.40	21.00
15	256QAM	1	0	18.47	18.54	18.68	18.62	18.67	19.00
15	256QAM	1	37	18.12	18.29	18.32	18.47	18.42	19.00
15	256QAM	1	74	18.37	18.34	18.30	18.33	18.31	19.00
15	256QAM	36	0	18.57	18.59	18.70	18.62	18.23	19.00
15	256QAM	36	20	18.03	18.32	18.28	18.46	18.15	19.00
15	256QAM	36	39	18.07	18.32	18.26	18.38	18.21	19.00
15	256QAM	75	0	18.33	18.39	18.24	18.38	17.95	19.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.47	23.55	23.62	23.59	24.00
10	QPSK	1	25	23.18	23.31	23.37	23.37	23.26	24.00
10	QPSK	1	49	23.23	23.34	23.28	23.39	23.33	24.00
10	QPSK	25	0	22.61	22.61	22.64	22.53	22.59	23.00



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10	QPSK	25	12	22.19	22.13	22.45	22.33	22.44	23.00
10	QPSK	25	25	22.33	22.22	22.38	22.41	22.30	23.00
10	QPSK	50	0	22.48	22.62	22.42	22.65	22.31	23.00
10	16QAM	1	0	22.13	22.27	22.27	22.38	22.20	23.00
10	16QAM	1	25	22.28	22.27	22.36	22.51	22.28	23.00
10	16QAM	1	49	22.15	22.41	22.21	22.21	22.06	23.00
10	16QAM	25	0	21.50	21.53	21.56	21.67	21.60	22.00
10	16QAM	25	12	21.26	21.17	21.23	21.36	21.22	22.00
10	16QAM	25	25	21.21	21.30	21.40	21.37	21.16	22.00
10	16QAM	50	0	21.45	21.60	21.54	21.60	21.34	22.00
10	64QAM	1	0	21.12	21.12	21.36	21.31	21.10	22.00
10	64QAM	1	25	21.23	21.34	21.37	21.24	21.19	22.00
10	64QAM	1	49	21.18	21.29	21.39	21.36	21.13	22.00
10	64QAM	25	0	20.42	20.54	20.67	20.67	20.46	21.00
10	64QAM	25	12	20.00	20.14	20.42	20.21	20.25	21.00
10	64QAM	25	25	20.24	20.35	20.26	20.24	20.33	21.00
10	64QAM	50	0	20.53	20.36	20.61	20.61	20.48	21.00
10	256QAM	1	0	18.50	18.55	18.57	18.58	18.75	19.00
10	256QAM	1	25	18.04	18.30	18.29	18.36	18.46	19.00
10	256QAM	1	49	18.30	18.31	18.24	18.33	18.30	19.00
10	256QAM	25	0	18.54	18.62	18.63	18.51	18.28	19.00
10	256QAM	25	12	18.07	18.29	18.26	18.46	18.14	19.00
10	256QAM	25	25	18.18	18.32	18.36	18.37	18.32	19.00
10	256QAM	50	0	18.35	18.46	18.27	18.33	17.99	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.55	23.61	23.59	23.52	24.00
5	QPSK	1	12	23.13	23.26	23.33	23.39	23.29	24.00
5	QPSK	1	24	23.27	23.35	23.28	23.43	23.26	24.00
5	QPSK	12	0	22.54	22.53	22.64	22.52	22.61	23.00
5	QPSK	12	7	22.16	22.14	22.40	22.32	22.42	23.00
5	QPSK	12	13	22.26	22.21	22.36	22.31	22.29	23.00
5	QPSK	25	0	22.50	22.51	22.47	22.62	22.23	23.00
5	16QAM	1	0	22.00	22.23	22.22	22.35	22.30	23.00
5	16QAM	1	12	22.38	22.36	22.29	22.45	22.32	23.00
5	16QAM	1	24	22.13	22.37	22.19	22.29	22.09	23.00
5	16QAM	12	0	21.49	21.62	21.68	21.60	21.59	22.00
5	16QAM	12	7	21.14	21.21	21.23	21.36	21.15	22.00
5	16QAM	12	13	21.21	21.26	21.40	21.41	21.20	22.00
5	16QAM	25	0	21.49	21.65	21.52	21.58	21.31	22.00
5	64QAM	1	0	21.10	21.19	21.22	21.29	21.10	22.00
5	64QAM	1	12	21.20	21.23	21.31	21.24	21.23	22.00
5	64QAM	1	24	21.14	21.29	21.37	21.34	21.08	22.00
5	64QAM	12	0	20.44	20.58	20.63	20.62	20.53	21.00
5	64QAM	12	7	20.05	20.23	20.43	20.32	20.17	21.00
5	64QAM	12	13	20.19	20.39	20.24	20.36	20.35	21.00
5	64QAM	25	0	20.50	20.45	20.53	20.51	20.41	21.00
5	256QAM	1	0	18.47	18.53	18.66	18.60	18.68	19.00
5	256QAM	1	12	18.13	18.20	18.32	18.36	18.43	19.00
5	256QAM	1	24	18.26	18.29	18.26	18.30	18.21	19.00
5	256QAM	12	0	18.60	18.57	18.64	18.50	18.23	19.00
5	256QAM	12	7	18.04	18.39	18.20	18.52	18.12	19.00
5	256QAM	12	13	18.12	18.35	18.34	18.47	18.28	19.00
5	256QAM	25	0	18.26	18.38	18.22	18.42	18.02	19.00



【LTE Band 41_FCC

(2496~2690MHz)_HPUE_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.45	26.37	26.55	26.41	26.54	27.00
20	QPSK	1	49	26.05	26.12	26.08	26.29	26.28	27.00
20	QPSK	1	99	25.98	26.29	26.20	26.18	26.23	27.00
20	QPSK	50	0	25.56	25.52	25.52	25.40	25.52	26.00
20	QPSK	50	24	24.97	25.01	25.29	25.34	25.29	26.00
20	QPSK	50	50	25.08	25.21	25.22	25.33	25.07	26.00
20	QPSK	100	0	25.50	25.52	25.24	25.45	25.11	26.00
20	16QAM	1	0	25.04	25.17	25.21	25.23	25.09	26.00
20	16QAM	1	49	25.25	25.27	25.24	25.20	25.26	26.00
20	16QAM	1	99	24.90	25.38	25.04	25.08	24.98	26.00
20	16QAM	50	0	24.44	24.49	24.46	24.43	24.52	25.00
20	16QAM	50	24	23.99	24.07	24.22	24.34	24.07	25.00
20	16QAM	50	50	24.06	24.25	24.26	24.32	24.03	25.00
20	16QAM	100	0	24.39	24.58	24.44	24.40	24.13	25.00
20	64QAM	1	0	25.90	25.76	25.99	25.98	26.12	26.50
20	64QAM	1	49	25.90	25.75	26.07	26.00	25.97	26.50
20	64QAM	1	99	25.85	25.76	26.04	25.82	25.92	26.50
20	64QAM	50	0	24.52	24.38	24.46	24.39	24.64	25.00
20	64QAM	50	24	24.35	24.27	24.47	24.47	24.66	25.00
20	64QAM	50	50	24.35	24.35	24.58	24.47	24.44	25.00
20	64QAM	100	0	24.49	24.32	24.48	24.46	24.58	25.00
20	256QAM	1	0	22.00	21.85	22.12	21.87	22.02	22.50
20	256QAM	1	49	21.94	21.93	22.01	22.01	22.09	22.50
20	256QAM	1	99	21.92	21.98	21.95	21.84	21.98	22.50
20	256QAM	50	0	22.04	21.89	22.01	21.95	22.12	22.50
20	256QAM	50	24	22.01	21.87	21.98	21.80	22.00	22.50
20	256QAM	50	50	22.00	21.85	21.97	21.90	22.11	22.50
20	256QAM	100	0	22.05	21.90	22.09	21.93	21.94	22.50
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.35	26.22	26.46	26.36	26.45	27.00
15	QPSK	1	37	25.93	26.11	25.97	26.17	26.26	27.00
15	QPSK	1	74	25.89	26.23	26.15	26.09	26.10	27.00
15	QPSK	36	0	25.51	25.49	25.39	25.25	25.45	26.00
15	QPSK	36	20	24.95	24.89	25.26	25.27	25.22	26.00
15	QPSK	36	39	25.06	25.18	25.12	25.27	24.95	26.00
15	QPSK	75	0	25.41	25.46	25.17	25.36	25.08	26.00
15	16QAM	1	0	25.01	25.07	25.11	25.10	24.95	26.00
15	16QAM	1	37	25.20	25.15	25.20	25.15	25.19	26.00
15	16QAM	1	74	24.76	25.31	24.92	25.00	24.96	26.00
15	16QAM	36	0	24.42	24.40	24.38	24.40	24.41	25.00
15	16QAM	36	20	23.93	24.02	24.10	24.29	24.00	25.00
15	16QAM	36	39	24.05	24.10	24.16	24.18	23.98	25.00
15	16QAM	75	0	24.36	24.46	24.41	24.37	24.09	25.00
15	64QAM	1	0	25.80	25.72	25.97	25.96	26.09	26.50
15	64QAM	1	37	25.83	25.74	25.95	25.99	25.83	26.50
15	64QAM	1	74	25.84	25.74	25.99	25.69	25.88	26.50
15	64QAM	36	0	24.49	24.35	24.33	24.33	24.50	25.00
15	64QAM	36	20	24.23	24.21	24.38	24.35	24.59	25.00
15	64QAM	36	39	24.28	24.21	24.56	24.43	24.40	25.00
15	64QAM	75	0	24.37	24.24	24.37	24.45	24.54	25.00
15	256QAM	1	0	21.89	21.79	21.98	21.73	21.96	22.50
15	256QAM	1	37	21.84	21.89	21.88	21.89	22.05	22.50
15	256QAM	1	74	21.85	21.95	21.86	21.80	21.93	22.50
15	256QAM	36	0	22.03	21.86	21.96	21.94	22.10	22.50
15	256QAM	36	20	21.89	21.78	21.88	21.73	21.99	22.50
15	256QAM	36	39	21.86	21.74	21.84	21.81	22.01	22.50
15	256QAM	75	0	21.91	21.85	21.97	21.82	21.87	22.50
Channel				39700	40160	40620	41080	41540	27.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.36	26.26	26.54	26.29	26.52	27.00
10	QPSK	1	25	25.91	26.01	25.98	26.26	26.17	27.00
10	QPSK	1	49	25.87	26.19	26.17	26.07	26.18	27.00
10	QPSK	25	0	25.54	25.46	25.43	25.38	25.43	26.00



10	QPSK	25	12	24.92	24.94	25.18	25.24	25.16	26.00
10	QPSK	25	25	24.97	25.07	25.09	25.24	25.06	26.00
10	QPSK	50	0	25.42	25.42	25.11	25.39	25.09	26.00
10	16QAM	1	0	24.90	25.12	25.19	25.20	24.95	26.00
10	16QAM	1	25	25.22	25.23	25.18	25.06	25.18	26.00
10	16QAM	1	49	24.86	25.27	24.91	24.97	24.88	26.00
10	16QAM	25	0	24.38	24.45	24.44	24.37	24.39	25.00
10	16QAM	25	12	23.95	24.01	24.17	24.26	24.03	25.00
10	16QAM	25	25	24.05	24.11	24.20	24.18	23.92	25.00
10	16QAM	50	0	24.32	24.54	24.37	24.25	24.09	25.00
10	64QAM	1	0	25.81	25.73	25.93	25.85	26.00	26.50
10	64QAM	1	25	25.81	25.64	25.96	25.93	25.96	26.50
10	64QAM	1	49	25.76	25.70	25.92	25.79	25.90	26.50
10	64QAM	25	0	24.40	24.34	24.32	24.32	24.57	25.00
10	64QAM	25	12	24.34	24.17	24.43	24.36	24.55	25.00
10	64QAM	25	25	24.34	24.28	24.46	24.45	24.31	25.00
10	64QAM	50	0	24.46	24.26	24.42	24.42	24.49	25.00
10	256QAM	1	0	21.98	21.74	22.03	21.77	21.94	22.50
10	256QAM	1	25	21.83	21.91	22.00	21.95	21.94	22.50
10	256QAM	1	49	21.87	21.89	21.87	21.80	21.91	22.50
10	256QAM	25	0	21.95	21.81	21.90	21.94	22.11	22.50
10	256QAM	25	12	21.96	21.77	21.95	21.72	21.97	22.50
10	256QAM	25	25	21.94	21.74	21.87	21.77	21.99	22.50
10	256QAM	50	0	21.95	21.85	21.96	21.91	21.82	22.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.41	26.24	26.51	26.30	26.45	27.00
5	QPSK	1	12	26.00	26.05	26.00	26.27	26.22	27.00
5	QPSK	1	24	25.90	26.17	26.06	26.10	26.10	27.00
5	QPSK	12	0	25.55	25.39	25.39	25.36	25.38	26.00
5	QPSK	12	7	24.92	24.97	25.15	25.21	25.27	26.00
5	QPSK	12	13	25.03	25.07	25.09	25.29	25.04	26.00
5	QPSK	25	0	25.42	25.43	25.09	25.30	24.97	26.00
5	16QAM	1	0	25.01	25.11	25.12	25.14	24.99	26.00
5	16QAM	1	12	25.13	25.22	25.22	25.16	25.19	26.00
5	16QAM	1	24	24.78	25.31	24.97	24.97	24.90	26.00
5	16QAM	12	0	24.35	24.43	24.41	24.37	24.43	25.00
5	16QAM	12	7	23.88	23.98	24.11	24.22	23.98	25.00
5	16QAM	12	13	23.94	24.16	24.11	24.27	23.99	25.00
5	16QAM	25	0	24.35	24.50	24.42	24.26	24.11	25.00
5	64QAM	1	0	25.83	25.75	25.92	25.86	26.06	26.50
5	64QAM	1	12	25.77	25.65	26.05	25.91	25.94	26.50
5	64QAM	1	24	25.79	25.62	25.97	25.76	25.85	26.50
5	64QAM	12	0	24.47	24.28	24.42	24.32	24.50	25.00
5	64QAM	12	7	24.26	24.16	24.36	24.42	24.55	25.00
5	64QAM	12	13	24.23	24.24	24.46	24.41	24.32	25.00
5	64QAM	25	0	24.45	24.17	24.42	24.36	24.56	25.00
5	256QAM	1	0	21.89	21.80	22.04	21.83	21.88	22.50
5	256QAM	1	12	21.86	21.88	21.92	21.89	21.97	22.50
5	256QAM	1	24	21.85	21.93	21.90	21.76	21.88	22.50
5	256QAM	12	0	21.95	21.82	21.88	21.93	22.02	22.50
5	256QAM	12	7	21.93	21.73	21.89	21.78	21.93	22.50
5	256QAM	12	13	21.93	21.74	21.95	21.87	22.04	22.50
5	256QAM	25	0	22.01	21.81	21.96	21.82	21.89	22.50



【LTE Band 41__FCC (2496~2690MHz)_Ant

4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.59	23.62	23.66	23.64	23.65	24.00
20	QPSK	1	49	23.24	23.35	23.40	23.45	23.39	24.00
20	QPSK	1	99	23.29	23.38	23.36	23.44	23.39	24.00
20	QPSK	50	0	22.66	22.64	22.72	22.66	22.69	23.00
20	QPSK	50	24	22.28	22.24	22.46	22.46	22.47	23.00
20	QPSK	50	50	22.38	22.35	22.44	22.42	22.38	23.00
20	QPSK	100	0	22.58	22.64	22.55	22.66	22.38	23.00
20	16QAM	1	0	22.14	22.32	22.34	22.39	22.32	23.00
20	16QAM	1	49	22.40	22.37	22.41	22.52	22.35	23.00
20	16QAM	1	99	22.21	22.50	22.26	22.33	22.11	23.00
20	16QAM	50	0	21.54	21.68	21.70	21.71	21.62	22.00
20	16QAM	50	24	21.27	21.29	21.36	21.46	21.27	22.00
20	16QAM	50	50	21.26	21.34	21.44	21.46	21.31	22.00
20	16QAM	100	0	21.55	21.68	21.59	21.64	21.38	22.00
20	64QAM	1	0	21.19	21.25	21.37	21.44	21.25	22.00
20	64QAM	1	49	21.26	21.36	21.44	21.32	21.25	22.00
20	64QAM	1	99	21.22	21.39	21.47	21.41	21.19	22.00
20	64QAM	50	0	20.51	20.61	20.71	20.68	20.56	21.00
20	64QAM	50	24	20.13	20.27	20.48	20.35	20.31	21.00
20	64QAM	50	50	20.33	20.41	20.28	20.38	20.47	21.00
20	64QAM	100	0	20.56	20.50	20.64	20.65	20.52	21.00
20	256QAM	1	0	18.58	18.65	18.71	18.69	18.76	19.00
20	256QAM	1	49	18.14	18.33	18.44	18.49	18.47	19.00
20	256QAM	1	99	18.40	18.42	18.39	18.38	18.36	19.00
20	256QAM	50	0	18.63	18.67	18.76	18.64	18.35	19.00
20	256QAM	50	24	18.16	18.41	18.33	18.56	18.25	19.00
20	256QAM	50	50	18.20	18.44	18.40	18.48	18.33	19.00
20	256QAM	100	0	18.40	18.50	18.29	18.46	18.07	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.47	23.48	23.51	23.56	23.55	24.00
15	QPSK	1	37	23.19	23.33	23.26	23.30	23.32	24.00
15	QPSK	1	74	23.15	23.28	23.29	23.37	23.34	24.00
15	QPSK	36	0	22.55	22.58	22.66	22.51	22.59	23.00
15	QPSK	36	20	22.20	22.20	22.34	22.31	22.33	23.00
15	QPSK	36	39	22.24	22.30	22.35	22.33	22.30	23.00
15	QPSK	75	0	22.56	22.56	22.52	22.59	22.26	23.00
15	16QAM	1	0	22.08	22.31	22.21	22.36	22.25	23.00
15	16QAM	1	37	22.35	22.33	22.32	22.38	22.33	23.00
15	16QAM	1	74	22.09	22.38	22.18	22.21	21.99	23.00
15	16QAM	36	0	21.47	21.56	21.60	21.61	21.49	22.00
15	16QAM	36	20	21.13	21.20	21.26	21.39	21.25	22.00
15	16QAM	36	39	21.13	21.30	21.40	21.40	21.21	22.00
15	16QAM	75	0	21.42	21.62	21.45	21.52	21.30	22.00
15	64QAM	1	0	21.15	21.21	21.30	21.41	21.22	22.00
15	64QAM	1	37	21.16	21.24	21.38	21.23	21.19	22.00
15	64QAM	1	74	21.17	21.24	21.37	21.39	21.11	22.00
15	64QAM	36	0	20.46	20.52	20.64	20.63	20.50	21.00
15	64QAM	36	20	20.01	20.21	20.34	20.26	20.23	21.00
15	64QAM	36	39	20.27	20.40	20.14	20.29	20.34	21.00
15	64QAM	75	0	20.44	20.40	20.59	20.51	20.40	21.00
15	256QAM	1	0	18.47	18.54	18.68	18.62	18.67	19.00
15	256QAM	1	37	18.12	18.29	18.32	18.47	18.42	19.00
15	256QAM	1	74	18.37	18.34	18.30	18.33	18.31	19.00
15	256QAM	36	0	18.57	18.59	18.70	18.62	18.23	19.00
15	256QAM	36	20	18.03	18.32	18.28	18.46	18.15	19.00
15	256QAM	36	39	18.07	18.32	18.26	18.38	18.21	19.00
15	256QAM	75	0	18.33	18.39	18.24	18.38	17.95	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.47	23.55	23.62	23.59	24.00
10	QPSK	1	25	23.18	23.31	23.37	23.37	23.26	24.00
10	QPSK	1	49	23.23	23.34	23.28	23.39	23.33	24.00
10	QPSK	25	0	22.61	22.61	22.64	22.53	22.59	23.00



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10	QPSK	25	12	22.19	22.13	22.45	22.33	22.44	23.00
10	QPSK	25	25	22.33	22.22	22.38	22.41	22.30	23.00
10	QPSK	50	0	22.48	22.62	22.42	22.65	22.31	23.00
10	16QAM	1	0	22.13	22.27	22.27	22.38	22.20	23.00
10	16QAM	1	25	22.28	22.27	22.36	22.51	22.28	23.00
10	16QAM	1	49	22.15	22.41	22.21	22.21	22.06	23.00
10	16QAM	25	0	21.50	21.53	21.56	21.67	21.60	22.00
10	16QAM	25	12	21.26	21.17	21.23	21.36	21.22	22.00
10	16QAM	25	25	21.21	21.30	21.40	21.37	21.16	22.00
10	16QAM	50	0	21.45	21.60	21.54	21.60	21.34	22.00
10	64QAM	1	0	21.12	21.12	21.36	21.31	21.10	22.00
10	64QAM	1	25	21.23	21.34	21.37	21.24	21.19	22.00
10	64QAM	1	49	21.18	21.29	21.39	21.36	21.13	22.00
10	64QAM	25	0	20.42	20.54	20.67	20.67	20.46	21.00
10	64QAM	25	12	20.00	20.14	20.42	20.21	20.25	21.00
10	64QAM	25	25	20.24	20.35	20.26	20.24	20.33	21.00
10	64QAM	50	0	20.53	20.36	20.61	20.61	20.48	21.00
10	256QAM	1	0	18.50	18.55	18.57	18.58	18.75	19.00
10	256QAM	1	25	18.04	18.30	18.29	18.36	18.46	19.00
10	256QAM	1	49	18.30	18.31	18.24	18.33	18.30	19.00
10	256QAM	25	0	18.54	18.62	18.63	18.51	18.28	19.00
10	256QAM	25	12	18.07	18.29	18.26	18.46	18.14	19.00
10	256QAM	25	25	18.18	18.32	18.36	18.37	18.32	19.00
10	256QAM	50	0	18.35	18.46	18.27	18.33	17.99	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.55	23.61	23.59	23.52	24.00
5	QPSK	1	12	23.13	23.26	23.33	23.39	23.29	24.00
5	QPSK	1	24	23.27	23.35	23.28	23.43	23.26	24.00
5	QPSK	12	0	22.54	22.53	22.64	22.52	22.61	23.00
5	QPSK	12	7	22.16	22.14	22.40	22.32	22.42	23.00
5	QPSK	12	13	22.26	22.21	22.36	22.31	22.29	23.00
5	QPSK	25	0	22.50	22.51	22.47	22.62	22.23	23.00
5	16QAM	1	0	22.00	22.23	22.22	22.35	22.30	23.00
5	16QAM	1	12	22.38	22.36	22.29	22.45	22.32	23.00
5	16QAM	1	24	22.13	22.37	22.19	22.29	22.09	23.00
5	16QAM	12	0	21.49	21.62	21.68	21.60	21.59	22.00
5	16QAM	12	7	21.14	21.21	21.23	21.36	21.15	22.00
5	16QAM	12	13	21.21	21.26	21.40	21.41	21.20	22.00
5	16QAM	25	0	21.49	21.65	21.52	21.58	21.31	22.00
5	64QAM	1	0	21.10	21.19	21.22	21.29	21.10	22.00
5	64QAM	1	12	21.20	21.23	21.31	21.24	21.23	22.00
5	64QAM	1	24	21.14	21.29	21.37	21.34	21.08	22.00
5	64QAM	12	0	20.44	20.58	20.63	20.62	20.53	21.00
5	64QAM	12	7	20.05	20.23	20.43	20.32	20.17	21.00
5	64QAM	12	13	20.19	20.39	20.24	20.36	20.35	21.00
5	64QAM	25	0	20.50	20.45	20.53	20.51	20.41	21.00
5	256QAM	1	0	18.47	18.53	18.66	18.60	18.68	19.00
5	256QAM	1	12	18.13	18.20	18.32	18.36	18.43	19.00
5	256QAM	1	24	18.26	18.29	18.26	18.30	18.21	19.00
5	256QAM	12	0	18.60	18.57	18.64	18.50	18.23	19.00
5	256QAM	12	7	18.04	18.39	18.20	18.52	18.12	19.00
5	256QAM	12	13	18.12	18.35	18.34	18.47	18.28	19.00
5	256QAM	25	0	18.26	18.38	18.22	18.42	18.02	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	15.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	14.30	14.32	14.35	14.28	14.26	15.70
20	QPSK	1	49	14.20	14.13	14.31	14.23	14.14	15.70
20	QPSK	1	99	14.23	14.28	14.33	14.15	14.19	15.70
20	QPSK	50	0	14.23	14.21	14.30	14.15	14.20	15.70
20	QPSK	50	24	14.19	14.14	14.25	14.05	14.07	15.70
20	QPSK	50	50	14.05	14.12	14.21	14.11	14.00	15.70
20	QPSK	100	0	14.16	14.18	14.28	14.13	14.17	15.70
20	16QAM	1	0	14.15	14.08	14.22	14.02	14.00	15.70
20	16QAM	1	49	13.99	14.02	14.18	14.01	14.08	15.70
20	16QAM	1	99	14.03	14.11	14.19	14.08	14.06	15.70
20	16QAM	50	0	14.12	14.14	14.23	14.07	14.01	15.70
20	16QAM	50	24	14.13	14.12	14.24	14.04	14.00	15.70
20	16QAM	50	50	14.16	14.15	14.28	14.13	14.15	15.70
20	16QAM	100	0	14.09	14.06	14.18	14.05	14.05	15.70
20	64QAM	1	0	13.99	14.11	14.16	14.07	13.97	15.70
20	64QAM	1	49	14.15	14.11	14.22	14.12	14.02	15.70
20	64QAM	1	99	14.14	14.17	14.24	14.05	14.13	15.70
20	64QAM	50	0	14.01	14.09	14.21	14.09	14.07	15.70
20	64QAM	50	24	14.16	14.11	14.26	14.09	14.04	15.70
20	64QAM	50	50	14.11	14.11	14.23	14.03	14.00	15.70
20	64QAM	100	0	14.05	14.07	14.17	14.04	13.97	15.70
20	256QAM	1	0	14.06	14.11	14.16	14.02	14.06	15.70
20	256QAM	1	49	14.17	14.11	14.25	14.13	14.12	15.70
20	256QAM	1	99	14.08	14.08	14.26	14.09	14.09	15.70
20	256QAM	50	0	14.18	14.21	14.27	14.14	14.11	15.70
20	256QAM	50	24	14.09	14.10	14.21	14.05	14.04	15.70
20	256QAM	50	50	14.04	14.14	14.23	14.03	14.08	15.70
20	256QAM	100	0	14.10	14.06	14.22	14.00	14.08	15.70
Channel				39725	40173	40620	41068	41515	15.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	14.25	14.23	14.21	14.25	14.16	15.70
15	QPSK	1	37	14.05	14.10	14.24	14.09	14.13	15.70
15	QPSK	1	74	14.11	14.17	14.21	14.05	14.15	15.70
15	QPSK	36	0	14.20	14.10	14.28	14.09	14.17	15.70
15	QPSK	36	20	14.08	14.09	14.20	13.98	14.04	15.70
15	QPSK	36	39	13.96	14.10	14.15	14.10	13.92	15.70
15	QPSK	75	0	14.11	14.17	14.26	13.99	14.07	15.70
15	16QAM	1	0	14.05	13.95	14.14	13.99	13.86	15.70
15	16QAM	1	37	13.92	13.96	14.07	13.90	14.00	15.70
15	16QAM	1	74	13.97	14.00	14.15	14.03	13.98	15.70
15	16QAM	36	0	13.98	14.09	14.10	13.99	13.95	15.70
15	16QAM	36	20	14.10	14.04	14.21	14.02	13.87	15.70
15	16QAM	36	39	14.04	14.11	14.17	14.01	14.04	15.70
15	16QAM	75	0	13.98	13.94	14.17	14.03	13.90	15.70
15	64QAM	1	0	13.97	14.05	14.03	14.01	13.83	15.70
15	64QAM	1	37	14.07	14.03	14.10	13.97	13.98	15.70
15	64QAM	1	74	14.10	14.07	14.11	14.02	14.00	15.70
15	64QAM	36	0	13.92	14.05	14.08	13.97	13.95	15.70
15	64QAM	36	20	14.14	14.04	14.21	13.97	13.91	15.70
15	64QAM	36	39	14.00	14.01	14.10	13.97	13.99	15.70
15	64QAM	75	0	13.98	13.98	14.16	14.03	13.89	15.70
15	256QAM	1	0	13.91	14.00	14.11	13.87	14.04	15.70
15	256QAM	1	37	14.03	14.02	14.16	13.99	14.11	15.70
15	256QAM	1	74	13.98	14.02	14.20	13.94	14.04	15.70
15	256QAM	36	0	14.08	14.16	14.22	14.03	14.08	15.70
15	256QAM	36	20	13.97	14.02	14.16	14.00	13.99	15.70
15	256QAM	36	39	13.93	14.00	14.22	13.95	14.00	15.70
15	256QAM	75	0	14.01	13.98	14.13	13.89	13.96	15.70
Channel				39700	40160	40620	41080	41540	15.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	14.27	14.17	14.25	14.13	14.13	15.70
10	QPSK	1	25	14.17	14.03	14.19	14.12	14.04	15.70
10	QPSK	1	49	14.14	14.26	14.19	14.12	14.07	15.70
10	QPSK	25	0	14.13	14.19	14.21	14.03	14.09	15.70



10	QPSK	25	12	14.07	14.09	14.15	14.04	14.02	15.70
10	QPSK	25	25	13.94	13.98	14.14	14.10	13.89	15.70
10	QPSK	50	0	14.11	14.09	14.21	14.01	14.11	15.70
10	16QAM	1	0	14.13	13.94	14.08	13.90	13.90	15.70
10	16QAM	1	25	13.85	13.94	14.04	13.93	14.06	15.70
10	16QAM	1	49	13.92	14.01	14.16	13.94	13.94	15.70
10	16QAM	25	0	14.04	14.10	14.14	13.94	13.98	15.70
10	16QAM	25	12	14.12	13.98	14.23	13.94	13.85	15.70
10	16QAM	25	25	14.02	14.09	14.18	14.09	14.11	15.70
10	16QAM	50	0	14.01	13.96	14.12	14.04	13.99	15.70
10	64QAM	1	0	13.92	14.10	14.13	13.94	13.89	15.70
10	64QAM	1	25	14.10	14.08	14.20	14.02	14.00	15.70
10	64QAM	1	49	14.11	14.10	14.21	13.95	14.00	15.70
10	64QAM	25	0	13.95	13.94	14.14	14.03	13.94	15.70
10	64QAM	25	12	14.09	13.99	14.21	14.08	13.95	15.70
10	64QAM	25	25	14.08	14.07	14.18	13.96	13.91	15.70
10	64QAM	50	0	13.97	14.01	14.06	14.02	13.92	15.70
10	256QAM	1	0	14.04	14.02	14.01	13.87	13.94	15.70
10	256QAM	1	25	14.13	13.97	14.13	14.12	14.01	15.70
10	256QAM	1	49	14.04	13.98	14.14	14.07	14.06	15.70
10	256QAM	25	0	14.04	14.16	14.21	14.09	13.96	15.70
10	256QAM	25	12	13.96	14.05	14.16	13.92	13.97	15.70
10	256QAM	25	25	13.93	14.10	14.12	13.96	13.98	15.70
10	256QAM	50	0	13.96	13.92	14.09	13.94	13.94	15.70
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	14.20	14.21	14.30	14.22	14.19	15.70
5	QPSK	1	12	14.12	14.00	14.21	14.15	14.07	15.70
5	QPSK	1	24	14.15	14.18	14.22	14.03	14.10	15.70
5	QPSK	12	0	14.16	14.17	14.18	14.13	14.18	15.70
5	QPSK	12	7	14.10	14.05	14.21	13.91	14.04	15.70
5	QPSK	12	13	13.96	14.09	14.10	14.10	13.88	15.70
5	QPSK	25	0	14.13	14.12	14.16	14.01	14.10	15.70
5	16QAM	1	0	14.13	14.05	14.11	13.89	13.94	15.70
5	16QAM	1	12	13.94	13.90	14.15	13.93	13.98	15.70
5	16QAM	1	24	13.94	14.01	14.17	14.02	13.92	15.70
5	16QAM	12	0	13.98	14.01	14.16	13.97	13.93	15.70
5	16QAM	12	7	14.11	14.07	14.21	13.92	13.88	15.70
5	16QAM	12	13	14.02	14.05	14.15	13.99	14.10	15.70
5	16QAM	25	0	14.01	14.01	14.14	14.02	14.00	15.70
5	64QAM	1	0	13.87	14.00	14.05	14.05	13.87	15.70
5	64QAM	1	12	14.11	14.04	14.12	14.02	13.91	15.70
5	64QAM	1	24	14.11	14.09	14.21	14.02	14.03	15.70
5	64QAM	12	0	13.94	14.01	14.13	14.05	14.03	15.70
5	64QAM	12	7	14.09	14.02	14.15	14.02	13.94	15.70
5	64QAM	12	13	14.03	14.01	14.15	13.96	13.86	15.70
5	64QAM	25	0	14.02	13.98	14.10	13.92	13.90	15.70
5	256QAM	1	0	14.04	13.99	14.02	13.98	14.02	15.70
5	256QAM	1	12	14.11	13.97	14.19	14.02	14.09	15.70
5	256QAM	1	24	14.02	13.95	14.12	14.05	13.96	15.70
5	256QAM	12	0	14.11	14.06	14.25	14.07	13.98	15.70
5	256QAM	12	7	14.04	14.08	14.13	13.95	13.95	15.70
5	256QAM	12	13	13.98	14.02	14.19	13.93	14.05	15.70
5	256QAM	25	0	13.97	13.94	14.17	13.87	14.04	15.70



【LTE Band 41__FCC (2496~2690MHz)_Ant

4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	19.10
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	17.75	17.85	17.89	17.81	17.83	19.10
20	QPSK	1	49	17.69	17.71	17.51	17.70	17.79	19.10
20	QPSK	1	99	17.69	17.71	17.58	17.73	17.81	19.10
20	QPSK	50	0	17.80	17.76	17.85	17.68	17.66	19.10
20	QPSK	50	24	17.81	17.82	17.45	17.68	17.84	19.10
20	QPSK	50	50	17.66	17.69	17.51	17.74	17.62	19.10
20	QPSK	100	0	17.77	17.78	17.54	17.66	17.84	19.10
20	16QAM	1	0	17.77	17.81	17.39	17.72	17.79	19.10
20	16QAM	1	49	17.64	17.81	17.45	17.61	17.66	19.10
20	16QAM	1	99	17.79	17.65	17.55	17.74	17.79	19.10
20	16QAM	50	0	17.69	17.74	17.45	17.61	17.70	19.10
20	16QAM	50	24	17.60	17.84	17.59	17.80	17.71	19.10
20	16QAM	50	50	17.64	17.75	17.44	17.68	17.79	19.10
20	16QAM	100	0	17.82	17.65	17.59	17.64	17.66	19.10
20	64QAM	1	0	17.59	17.74	17.39	17.76	17.85	19.10
20	64QAM	1	49	17.66	17.63	17.51	17.63	17.80	19.10
20	64QAM	1	99	17.72	17.67	17.50	17.72	17.68	19.10
20	64QAM	50	0	17.79	17.80	17.44	17.66	17.72	19.10
20	64QAM	50	24	17.70	17.75	17.39	17.64	17.85	19.10
20	64QAM	50	50	17.62	17.62	17.49	17.74	17.70	19.10
20	64QAM	100	0	17.66	17.70	17.41	17.68	17.84	19.10
20	256QAM	1	0	17.80	17.74	17.45	17.64	17.81	19.00
20	256QAM	1	49	17.78	17.65	17.57	17.72	17.76	19.00
20	256QAM	1	99	17.60	17.71	17.50	17.60	17.70	19.00
20	256QAM	50	0	17.72	17.63	17.53	17.61	17.77	19.00
20	256QAM	50	24	17.80	17.84	17.59	17.61	17.74	19.00
20	256QAM	50	50	17.74	17.67	17.60	17.60	17.77	19.00
20	256QAM	100	0	17.76	17.72	17.56	17.77	17.64	19.00
Channel				39725	40173	40620	41068	41515	19.10
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	17.69	17.75	17.75	17.52	17.65	19.10
15	QPSK	1	37	17.62	17.62	17.38	17.63	17.78	19.10
15	QPSK	1	74	17.56	17.67	17.50	17.68	17.71	19.10
15	QPSK	36	0	17.71	17.70	17.73	17.56	17.55	19.10
15	QPSK	36	20	17.67	17.76	17.40	17.56	17.79	19.10
15	QPSK	36	39	17.62	17.67	17.44	17.64	17.50	19.10
15	QPSK	75	0	17.64	17.67	17.47	17.54	17.76	19.10
15	16QAM	1	0	17.67	17.78	17.30	17.61	17.77	19.10
15	16QAM	1	37	17.50	17.71	17.40	17.57	17.60	19.10
15	16QAM	1	74	17.78	17.53	17.49	17.71	17.69	19.10
15	16QAM	36	0	17.58	17.70	17.37	17.53	17.68	19.10
15	16QAM	36	20	17.52	17.69	17.53	17.65	17.62	19.10
15	16QAM	36	39	17.51	17.64	17.38	17.66	17.68	19.10
15	16QAM	75	0	17.73	17.55	17.55	17.55	17.56	19.10
15	64QAM	1	0	17.47	17.67	17.28	17.62	17.70	19.10
15	64QAM	1	37	17.56	17.59	17.42	17.53	17.70	19.10
15	64QAM	1	74	17.70	17.59	17.48	17.67	17.58	19.10
15	64QAM	36	0	17.75	17.77	17.42	17.52	17.57	19.10
15	64QAM	36	20	17.63	17.62	17.34	17.58	17.72	19.10
15	64QAM	36	39	17.50	17.60	17.42	17.61	17.68	19.10
15	64QAM	75	0	17.61	17.60	17.28	17.64	17.81	19.10
15	256QAM	1	0	17.76	17.64	17.44	17.52	17.75	19.00
15	256QAM	1	37	17.64	17.62	17.53	17.64	17.73	19.00
15	256QAM	1	74	17.56	17.59	17.36	17.51	17.68	19.00
15	256QAM	36	0	17.68	17.50	17.41	17.52	17.67	19.00
15	256QAM	36	20	17.71	17.77	17.54	17.51	17.71	19.00
15	256QAM	36	39	17.71	17.55	17.46	17.58	17.69	19.00
15	256QAM	75	0	17.64	17.57	17.52	17.64	17.59	19.00
Channel				39700	40160	40620	41080	41540	19.10
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	17.73	17.78	17.85	17.48	17.64	19.10
10	QPSK	1	25	17.67	17.64	17.37	17.63	17.69	19.10
10	QPSK	1	49	17.58	17.69	17.46	17.63	17.72	19.10
10	QPSK	25	0	17.74	17.68	17.76	17.60	17.60	19.10



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10	QPSK	25	12	17.74	17.74	17.37	17.62	17.78	19.10
10	QPSK	25	25	17.54	17.61	17.46	17.59	17.58	19.10
10	QPSK	50	0	17.73	17.75	17.46	17.54	17.80	19.10
10	16QAM	1	0	17.72	17.80	17.32	17.65	17.68	19.10
10	16QAM	1	25	17.56	17.74	17.31	17.56	17.51	19.10
10	16QAM	1	49	17.69	17.58	17.43	17.69	17.70	19.10
10	16QAM	25	0	17.66	17.60	17.39	17.48	17.63	19.10
10	16QAM	25	12	17.53	17.72	17.50	17.66	17.65	19.10
10	16QAM	25	25	17.50	17.72	17.32	17.59	17.73	19.10
10	16QAM	50	0	17.81	17.56	17.48	17.52	17.64	19.10
10	64QAM	1	0	17.46	17.63	17.33	17.70	17.75	19.10
10	64QAM	1	25	17.64	17.60	17.37	17.59	17.72	19.10
10	64QAM	1	49	17.71	17.57	17.45	17.66	17.67	19.10
10	64QAM	25	0	17.66	17.75	17.43	17.53	17.69	19.10
10	64QAM	25	12	17.64	17.64	17.36	17.52	17.73	19.10
10	64QAM	25	25	17.61	17.57	17.39	17.59	17.62	19.10
10	64QAM	50	0	17.62	17.60	17.26	17.59	17.69	19.10
10	256QAM	1	0	17.68	17.69	17.39	17.60	17.68	19.00
10	256QAM	1	25	17.69	17.60	17.54	17.58	17.67	19.00
10	256QAM	1	49	17.56	17.57	17.43	17.52	17.66	19.00
10	256QAM	25	0	17.66	17.62	17.42	17.53	17.65	19.00
10	256QAM	25	12	17.68	17.76	17.51	17.47	17.69	19.00
10	256QAM	25	25	17.65	17.61	17.57	17.47	17.70	19.00
10	256QAM	50	0	17.69	17.64	17.43	17.75	17.56	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	17.65	17.72	17.84	17.52	17.61	19.10
5	QPSK	1	12	17.55	17.68	17.45	17.63	17.74	19.10
5	QPSK	1	24	17.58	17.69	17.49	17.60	17.79	19.10
5	QPSK	12	0	17.67	17.72	17.76	17.55	17.54	19.10
5	QPSK	12	7	17.67	17.70	17.36	17.66	17.69	19.10
5	QPSK	12	13	17.59	17.63	17.46	17.62	17.50	19.10
5	QPSK	25	0	17.75	17.70	17.45	17.60	17.73	19.10
5	16QAM	1	0	17.70	17.79	17.31	17.64	17.72	19.10
5	16QAM	1	12	17.60	17.66	17.39	17.53	17.54	19.10
5	16QAM	1	24	17.73	17.60	17.44	17.65	17.75	19.10
5	16QAM	12	0	17.61	17.60	17.33	17.56	17.68	19.10
5	16QAM	12	7	17.56	17.70	17.50	17.78	17.62	19.10
5	16QAM	12	13	17.56	17.74	17.30	17.62	17.73	19.10
5	16QAM	25	0	17.67	17.57	17.48	17.61	17.57	19.10
5	64QAM	1	0	17.57	17.71	17.28	17.74	17.79	19.10
5	64QAM	1	12	17.57	17.59	17.39	17.52	17.67	19.10
5	64QAM	1	24	17.64	17.61	17.41	17.69	17.60	19.10
5	64QAM	12	0	17.68	17.75	17.30	17.52	17.57	19.10
5	64QAM	12	7	17.68	17.65	17.29	17.55	17.82	19.10
5	64QAM	12	13	17.57	17.51	17.43	17.66	17.58	19.10
5	64QAM	25	0	17.57	17.59	17.34	17.65	17.79	19.10
5	256QAM	1	0	17.79	17.62	17.40	17.50	17.71	19.00
5	256QAM	1	12	17.68	17.62	17.48	17.68	17.65	19.00
5	256QAM	1	24	17.49	17.68	17.45	17.50	17.67	19.00
5	256QAM	12	0	17.67	17.53	17.43	17.53	17.74	19.00
5	256QAM	12	7	17.69	17.74	17.51	17.48	17.63	19.00
5	256QAM	12	13	17.62	17.60	17.46	17.58	17.74	19.00
5	256QAM	25	0	17.71	17.59	17.45	17.64	17.63	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	21.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.30	20.33	20.35	20.28	20.31	21.30
20	QPSK	1	49	20.13	20.22	20.31	20.09	20.24	21.30
20	QPSK	1	99	20.13	20.24	20.28	20.09	20.09	21.30
20	QPSK	50	0	20.19	20.18	20.30	20.16	20.19	21.30
20	QPSK	50	24	20.06	20.16	20.25	20.09	20.19	21.30
20	QPSK	50	50	20.03	20.13	20.21	20.07	20.04	21.30
20	QPSK	100	0	20.08	20.17	20.26	20.10	20.09	21.30
20	16QAM	1	0	20.19	20.19	20.28	20.12	20.13	21.30
20	16QAM	1	49	20.11	20.15	20.22	20.10	20.05	21.30
20	16QAM	1	99	20.15	20.08	20.24	20.12	20.11	21.30
20	16QAM	50	0	20.13	20.10	20.25	20.16	20.12	21.30
20	16QAM	50	24	20.13	20.19	20.26	20.12	20.09	21.30
20	16QAM	50	50	20.14	20.21	20.27	20.11	20.12	21.30
20	16QAM	100	0	20.12	20.14	20.21	20.02	20.05	21.30
20	64QAM	1	0	20.04	20.16	20.23	20.13	20.07	21.30
20	64QAM	1	49	20.05	20.16	20.24	20.05	20.10	21.30
20	64QAM	1	99	20.07	20.18	20.25	20.10	20.17	21.30
20	64QAM	50	0	19.93	19.87	20.01	19.93	19.91	21.00
20	64QAM	50	24	19.80	19.91	19.98	19.83	19.93	21.00
20	64QAM	50	50	19.83	19.86	19.93	19.81	19.80	21.00
20	64QAM	100	0	19.77	19.90	19.95	19.74	19.78	21.00
20	256QAM	1	0	17.81	17.78	17.95	17.86	17.85	19.00
20	256QAM	1	49	17.87	17.93	17.98	17.82	17.85	19.00
20	256QAM	1	99	17.81	17.82	17.94	17.82	17.85	19.00
20	256QAM	50	0	17.82	17.77	17.93	17.80	17.76	19.00
20	256QAM	50	24	17.79	17.79	17.92	17.74	17.76	19.00
20	256QAM	50	50	17.74	17.86	17.91	17.75	17.79	19.00
20	256QAM	100	0	17.73	17.83	17.90	17.76	17.78	19.00
Channel				39725	40173	40620	41068	41515	21.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.26	20.29	20.26	20.14	20.22	21.30
15	QPSK	1	37	20.10	20.13	20.25	20.06	20.18	21.30
15	QPSK	1	74	20.03	20.13	20.26	19.96	19.96	21.30
15	QPSK	36	0	20.07	20.09	20.21	20.14	20.16	21.30
15	QPSK	36	20	20.02	20.08	20.18	19.99	20.15	21.30
15	QPSK	36	39	19.89	20.00	20.19	19.93	19.98	21.30
15	QPSK	75	0	20.07	20.12	20.13	20.09	20.05	21.30
15	16QAM	1	0	20.06	20.10	20.23	20.10	20.08	21.30
15	16QAM	1	37	20.03	20.07	20.14	20.07	19.98	21.30
15	16QAM	1	74	20.02	19.98	20.10	20.04	20.10	21.30
15	16QAM	36	0	20.10	20.07	20.20	20.11	20.06	21.30
15	16QAM	36	20	20.07	20.09	20.25	19.98	20.07	21.30
15	16QAM	36	39	20.06	20.10	20.24	19.99	19.99	21.30
15	16QAM	75	0	20.05	20.08	20.09	20.01	19.97	21.30
15	64QAM	1	0	19.94	20.03	20.13	20.03	19.99	21.30
15	64QAM	1	37	19.97	20.08	20.17	19.91	19.96	21.30
15	64QAM	1	74	19.99	20.15	20.18	20.02	20.15	21.30
15	64QAM	36	0	19.85	19.75	19.89	19.79	19.84	21.00
15	64QAM	36	20	19.70	19.84	19.96	19.78	19.78	21.00
15	64QAM	36	39	19.77	19.81	19.79	19.71	19.66	21.00
15	64QAM	75	0	19.63	19.76	19.92	19.72	19.72	21.00
15	256QAM	1	0	17.68	17.77	17.92	17.82	17.78	19.00
15	256QAM	1	37	17.83	17.87	17.95	17.77	17.84	19.00
15	256QAM	1	74	17.72	17.73	17.88	17.70	17.73	19.00
15	256QAM	36	0	17.71	17.76	17.85	17.67	17.61	19.00
15	256QAM	36	20	17.70	17.73	17.80	17.68	17.69	19.00
15	256QAM	36	39	17.68	17.72	17.78	17.67	17.72	19.00
15	256QAM	75	0	17.59	17.71	17.84	17.69	17.69	19.00
Channel				39700	40160	40620	41080	41540	21.30
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.18	20.30	20.24	20.25	20.24	21.30
10	QPSK	1	25	20.03	20.18	20.20	20.05	20.18	21.30
10	QPSK	1	49	20.09	20.11	20.25	19.98	19.96	21.30
10	QPSK	25	0	20.17	20.06	20.20	20.01	20.13	21.30



10	QPSK	25	12	19.93	20.04	20.22	19.97	20.08	21.30
10	QPSK	25	25	19.94	20.11	20.13	20.00	19.94	21.30
10	QPSK	50	0	20.03	20.13	20.19	19.96	20.05	21.30
10	16QAM	1	0	20.17	20.07	20.20	20.11	20.07	21.30
10	16QAM	1	25	19.97	20.06	20.12	20.05	19.94	21.30
10	16QAM	1	49	20.06	19.99	20.23	20.09	20.03	21.30
10	16QAM	25	0	20.02	19.98	20.21	20.06	20.00	21.30
10	16QAM	25	12	20.06	20.10	20.13	19.98	20.08	21.30
10	16QAM	25	25	20.01	20.15	20.22	20.10	19.98	21.30
10	16QAM	50	0	19.97	20.01	20.13	19.94	19.92	21.30
10	64QAM	1	0	19.90	20.13	20.10	20.10	19.96	21.30
10	64QAM	1	25	20.02	20.05	20.20	19.98	20.02	21.30
10	64QAM	1	49	20.05	20.12	20.12	20.07	20.11	21.30
10	64QAM	25	0	19.85	19.80	19.95	19.86	19.81	21.00
10	64QAM	25	12	19.70	19.90	19.94	19.71	19.81	21.00
10	64QAM	25	25	19.70	19.74	19.91	19.71	19.79	21.00
10	64QAM	50	0	19.75	19.88	19.90	19.60	19.65	21.00
10	256QAM	1	0	17.76	17.76	17.89	17.76	17.76	19.00
10	256QAM	1	25	17.74	17.79	17.88	17.79	17.80	19.00
10	256QAM	1	49	17.78	17.73	17.85	17.79	17.78	19.00
10	256QAM	25	0	17.72	17.64	17.90	17.71	17.75	19.00
10	256QAM	25	12	17.71	17.64	17.90	17.68	17.63	19.00
10	256QAM	25	25	17.71	17.84	17.78	17.61	17.76	19.00
10	256QAM	50	0	17.61	17.81	17.83	17.70	17.75	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	20.24	20.30	20.24	20.24	20.17	21.30
5	QPSK	1	12	20.00	20.12	20.20	20.05	20.10	21.30
5	QPSK	1	24	20.03	20.18	20.19	19.98	20.01	21.30
5	QPSK	12	0	20.09	20.05	20.21	20.04	20.12	21.30
5	QPSK	12	7	19.92	20.13	20.13	19.99	20.07	21.30
5	QPSK	12	13	19.95	20.08	20.17	19.99	20.01	21.30
5	QPSK	25	0	19.94	20.07	20.16	19.98	20.07	21.30
5	16QAM	1	0	20.05	20.14	20.21	20.02	20.11	21.30
5	16QAM	1	12	20.08	20.09	20.07	19.96	19.94	21.30
5	16QAM	1	24	20.03	20.06	20.12	20.10	20.00	21.30
5	16QAM	12	0	20.00	20.07	20.22	20.13	20.06	21.30
5	16QAM	12	7	20.00	20.18	20.25	20.09	20.07	21.30
5	16QAM	12	13	20.00	20.13	20.26	20.00	19.99	21.30
5	16QAM	25	0	20.05	20.03	20.08	19.96	19.99	21.30
5	64QAM	1	0	19.95	20.11	20.11	19.99	19.97	21.30
5	64QAM	1	12	19.93	20.13	20.13	19.90	20.04	21.30
5	64QAM	1	24	20.01	20.16	20.20	20.01	20.15	21.30
5	64QAM	12	0	19.89	19.72	19.99	19.84	19.82	21.00
5	64QAM	12	7	19.72	19.77	19.84	19.74	19.91	21.00
5	64QAM	12	13	19.77	19.73	19.85	19.71	19.78	21.00
5	64QAM	25	0	19.65	19.75	19.83	19.69	19.73	21.00
5	256QAM	1	0	17.73	17.72	17.94	17.74	17.71	19.00
5	256QAM	1	12	17.85	17.83	17.96	17.71	17.80	19.00
5	256QAM	1	24	17.67	17.80	17.86	17.69	17.70	19.00
5	256QAM	12	0	17.80	17.72	17.83	17.73	17.67	19.00
5	256QAM	12	7	17.72	17.69	17.79	17.59	17.72	19.00
5	256QAM	12	13	17.60	17.72	17.76	17.72	17.65	19.00
5	256QAM	25	0	17.65	17.72	17.76	17.74	17.72	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	16.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	15.27	15.35	15.38	15.24	15.29	16.70
20	QPSK	1	49	15.15	15.12	15.27	15.25	15.09	16.70
20	QPSK	1	99	15.20	15.19	15.31	15.22	15.11	16.70
20	QPSK	50	0	15.26	15.25	15.35	15.23	15.15	16.70
20	QPSK	50	24	15.14	15.29	15.11	15.25	15.13	16.70
20	QPSK	50	50	15.17	15.29	15.21	15.17	15.20	16.70
20	QPSK	100	0	15.28	15.19	15.25	15.27	15.22	16.70
20	16QAM	1	0	15.09	15.17	15.09	15.30	15.22	16.70
20	16QAM	1	49	15.15	15.10	15.23	15.30	15.12	16.70
20	16QAM	1	99	15.18	15.28	15.22	15.11	15.19	16.70
20	16QAM	50	0	15.21	15.25	15.28	15.11	15.09	16.70
20	16QAM	50	24	15.17	15.29	15.13	15.11	15.30	16.70
20	16QAM	50	50	15.22	15.23	15.25	15.29	15.19	16.70
20	16QAM	100	0	15.20	15.20	15.19	15.08	15.22	16.70
20	64QAM	1	0	15.28	15.23	15.15	15.13	15.13	16.70
20	64QAM	1	49	15.24	15.22	15.13	15.31	15.31	16.70
20	64QAM	1	99	15.13	15.25	15.23	15.16	15.28	16.70
20	64QAM	50	0	15.13	15.31	15.09	15.15	15.16	16.70
20	64QAM	50	24	15.09	15.23	15.17	15.27	15.15	16.70
20	64QAM	50	50	15.27	15.31	15.13	15.25	15.22	16.70
20	64QAM	100	0	15.23	15.24	15.12	15.19	15.19	16.70
20	256QAM	1	0	15.32	15.30	15.29	15.15	15.19	16.70
20	256QAM	1	49	15.28	15.25	15.11	15.10	15.27	16.70
20	256QAM	1	99	15.11	15.25	15.09	15.17	15.19	16.70
20	256QAM	50	0	15.12	15.25	15.17	15.11	15.26	16.70
20	256QAM	50	24	15.28	15.27	15.12	15.27	15.11	16.70
20	256QAM	50	50	15.29	15.31	15.30	15.09	15.09	16.70
20	256QAM	100	0	15.09	15.27	15.29	15.16	15.26	16.70
Channel				39725	40173	40620	41068	41515	16.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	15.26	15.20	15.28	15.16	15.24	16.70
15	QPSK	1	37	15.07	15.05	15.12	15.12	15.07	16.70
15	QPSK	1	74	15.06	15.09	15.23	15.11	15.01	16.70
15	QPSK	36	0	15.24	15.15	15.28	15.15	15.00	16.70
15	QPSK	36	20	15.02	15.26	15.06	15.11	15.00	16.70
15	QPSK	36	39	15.03	15.21	15.07	15.09	15.18	16.70
15	QPSK	75	0	15.24	15.10	15.21	15.15	15.07	16.70
15	16QAM	1	0	15.06	15.04	15.02	15.28	15.14	16.70
15	16QAM	1	37	15.09	14.96	15.10	15.24	15.04	16.70
15	16QAM	1	74	15.16	15.18	15.13	15.06	15.05	16.70
15	16QAM	36	0	15.17	15.12	15.22	15.08	14.97	16.70
15	16QAM	36	20	15.07	15.21	15.09	15.06	15.28	16.70
15	16QAM	36	39	15.15	15.19	15.21	15.15	15.16	16.70
15	16QAM	75	0	15.15	15.15	15.15	14.97	15.12	16.70
15	64QAM	1	0	15.24	15.10	15.13	15.06	15.02	16.70
15	64QAM	1	37	15.20	15.08	15.10	15.27	15.24	16.70
15	64QAM	1	74	15.02	15.15	15.13	15.11	15.19	16.70
15	64QAM	36	0	15.05	15.29	15.08	15.03	15.09	16.70
15	64QAM	36	20	15.04	15.10	15.05	15.18	15.04	16.70
15	64QAM	36	39	15.26	15.17	15.01	15.13	15.12	16.70
15	64QAM	75	0	15.22	15.21	15.10	15.18	15.18	16.70
15	256QAM	1	0	15.20	15.17	15.27	15.00	15.09	16.70
15	256QAM	1	37	15.20	15.18	15.04	15.05	15.23	16.70
15	256QAM	1	74	15.01	15.20	14.94	15.13	15.17	16.70
15	256QAM	36	0	15.04	15.19	15.10	14.98	15.23	16.70
15	256QAM	36	20	15.26	15.18	15.09	15.14	15.08	16.70
15	256QAM	36	39	15.18	15.27	15.26	15.02	15.02	16.70
15	256QAM	75	0	14.95	15.18	15.18	15.15	15.18	16.70
Channel				39700	40160	40620	41080	41540	16.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	15.15	15.25	15.35	15.10	15.26	16.70
10	QPSK	1	25	15.12	15.06	15.21	15.16	15.06	16.70
10	QPSK	1	49	15.08	15.05	15.22	15.14	15.07	16.70
10	QPSK	25	0	15.17	15.19	15.29	15.19	15.08	16.70



10	QPSK	25	12	15.06	15.24	14.96	15.13	15.11	16.70
10	QPSK	25	25	15.15	15.16	15.08	15.11	15.11	16.70
10	QPSK	50	0	15.17	15.10	15.15	15.16	15.15	16.70
10	16QAM	1	0	14.96	15.05	14.95	15.20	15.10	16.70
10	16QAM	1	25	15.04	15.03	15.18	15.19	15.00	16.70
10	16QAM	1	49	15.05	15.17	15.08	15.08	15.07	16.70
10	16QAM	25	0	15.17	15.17	15.23	15.04	15.04	16.70
10	16QAM	25	12	15.12	15.15	15.03	15.02	15.24	16.70
10	16QAM	25	25	15.20	15.18	15.16	15.24	15.13	16.70
10	16QAM	50	0	15.08	15.08	15.15	15.02	15.11	16.70
10	64QAM	1	0	15.17	15.19	15.05	15.02	15.00	16.70
10	64QAM	1	25	15.19	15.19	15.00	15.23	15.29	16.70
10	64QAM	1	49	15.10	15.18	15.19	15.07	15.17	16.70
10	64QAM	25	0	15.06	15.16	14.99	15.07	15.06	16.70
10	64QAM	25	12	14.95	15.12	15.05	15.22	15.03	16.70
10	64QAM	25	25	15.19	15.19	15.09	15.15	15.10	16.70
10	64QAM	50	0	15.20	15.16	15.01	15.13	15.14	16.70
10	256QAM	1	0	15.22	15.16	15.22	15.07	15.07	16.70
10	256QAM	1	25	15.26	15.23	15.10	15.07	15.15	16.70
10	256QAM	1	49	15.08	15.14	14.98	15.09	15.05	16.70
10	256QAM	25	0	15.06	15.10	15.03	15.02	15.17	16.70
10	256QAM	25	12	15.23	15.25	14.98	15.21	15.03	16.70
10	256QAM	25	25	15.18	15.20	15.17	15.04	15.07	16.70
10	256QAM	50	0	15.05	15.22	15.22	15.11	15.24	16.70
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	15.18	15.25	15.33	15.12	15.16	16.70
5	QPSK	1	12	15.01	15.07	15.25	15.15	15.01	16.70
5	QPSK	1	24	15.08	15.09	15.20	15.20	14.98	16.70
5	QPSK	12	0	15.24	15.20	15.24	15.09	15.09	16.70
5	QPSK	12	7	15.07	15.17	15.04	15.15	15.05	16.70
5	QPSK	12	13	15.12	15.26	15.18	15.12	15.06	16.70
5	QPSK	25	0	15.23	15.05	15.22	15.25	15.17	16.70
5	16QAM	1	0	15.08	15.03	15.08	15.27	15.20	16.70
5	16QAM	1	12	15.04	14.97	15.12	15.29	15.03	16.70
5	16QAM	1	24	15.09	15.19	15.13	15.04	15.15	16.70
5	16QAM	12	0	15.15	15.12	15.17	15.03	14.98	16.70
5	16QAM	12	7	15.13	15.21	15.01	15.10	15.19	16.70
5	16QAM	12	13	15.15	15.21	15.15	15.21	15.18	16.70
5	16QAM	25	0	15.09	15.06	15.07	14.94	15.11	16.70
5	64QAM	1	0	15.15	15.11	15.12	15.00	15.00	16.70
5	64QAM	1	12	15.11	15.19	15.08	15.24	15.17	16.70
5	64QAM	1	24	15.04	15.11	15.12	15.14	15.20	16.70
5	64QAM	12	0	15.10	15.20	15.05	15.03	15.15	16.70
5	64QAM	12	7	15.01	15.19	15.09	15.14	15.11	16.70
5	64QAM	12	13	15.22	15.16	15.06	15.22	15.14	16.70
5	64QAM	25	0	15.19	15.10	15.06	15.05	15.08	16.70
5	256QAM	1	0	15.23	15.25	15.24	15.13	15.18	16.70
5	256QAM	1	12	15.22	15.15	14.99	15.05	15.24	16.70
5	256QAM	1	24	15.08	15.20	14.96	15.07	15.17	16.70
5	256QAM	12	0	15.00	15.15	15.16	15.07	15.22	16.70
5	256QAM	12	7	15.18	15.25	15.11	15.17	14.96	16.70
5	256QAM	12	13	15.23	15.21	15.19	14.98	15.01	16.70
5	256QAM	25	0	15.03	15.16	15.15	15.11	15.12	16.70



【LTE Band 41_FCC

(2496~2690MHz)_HPUE_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.45	26.37	26.55	26.41	26.54	27.00
20	QPSK	1	49	26.05	26.12	26.08	26.29	26.28	27.00
20	QPSK	1	99	25.98	26.29	26.20	26.18	26.23	27.00
20	QPSK	50	0	25.56	25.52	25.52	25.40	25.52	26.00
20	QPSK	50	24	24.97	25.01	25.29	25.34	25.29	26.00
20	QPSK	50	50	25.08	25.21	25.22	25.33	25.07	26.00
20	QPSK	100	0	25.50	25.52	25.24	25.45	25.11	26.00
20	16QAM	1	0	25.04	25.17	25.21	25.23	25.09	26.00
20	16QAM	1	49	25.25	25.27	25.24	25.20	25.26	26.00
20	16QAM	1	99	24.90	25.38	25.04	25.08	24.98	26.00
20	16QAM	50	0	24.44	24.49	24.46	24.43	24.52	25.00
20	16QAM	50	24	23.99	24.07	24.22	24.34	24.07	25.00
20	16QAM	50	50	24.06	24.25	24.26	24.32	24.03	25.00
20	16QAM	100	0	24.39	24.58	24.44	24.40	24.13	25.00
20	64QAM	1	0	25.90	25.76	25.99	25.98	26.12	26.50
20	64QAM	1	49	25.90	25.75	26.07	26.00	25.97	26.50
20	64QAM	1	99	25.85	25.76	26.04	25.82	25.92	26.50
20	64QAM	50	0	24.52	24.38	24.46	24.39	24.64	25.00
20	64QAM	50	24	24.35	24.27	24.47	24.47	24.66	25.00
20	64QAM	50	50	24.35	24.35	24.58	24.47	24.44	25.00
20	64QAM	100	0	24.49	24.32	24.48	24.46	24.58	25.00
20	256QAM	1	0	22.00	21.85	22.12	21.87	22.02	22.50
20	256QAM	1	49	21.94	21.93	22.01	22.01	22.09	22.50
20	256QAM	1	99	21.92	21.98	21.95	21.84	21.98	22.50
20	256QAM	50	0	22.04	21.89	22.01	21.95	22.12	22.50
20	256QAM	50	24	22.01	21.87	21.98	21.80	22.00	22.50
20	256QAM	50	50	22.00	21.85	21.97	21.90	22.11	22.50
20	256QAM	100	0	22.05	21.90	22.09	21.93	21.94	22.50
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.35	26.22	26.46	26.36	26.45	27.00
15	QPSK	1	37	25.93	26.11	25.97	26.17	26.26	27.00
15	QPSK	1	74	25.89	26.23	26.15	26.09	26.10	27.00
15	QPSK	36	0	25.51	25.49	25.39	25.25	25.45	26.00
15	QPSK	36	20	24.95	24.89	25.26	25.27	25.22	26.00
15	QPSK	36	39	25.06	25.18	25.12	25.27	24.95	26.00
15	QPSK	75	0	25.41	25.46	25.17	25.36	25.08	26.00
15	16QAM	1	0	25.01	25.07	25.11	25.10	24.95	26.00
15	16QAM	1	37	25.20	25.15	25.20	25.15	25.19	26.00
15	16QAM	1	74	24.76	25.31	24.92	25.00	24.96	26.00
15	16QAM	36	0	24.42	24.40	24.38	24.40	24.41	25.00
15	16QAM	36	20	23.93	24.02	24.10	24.29	24.00	25.00
15	16QAM	36	39	24.05	24.10	24.16	24.18	23.98	25.00
15	16QAM	75	0	24.36	24.46	24.41	24.37	24.09	25.00
15	64QAM	1	0	25.80	25.72	25.97	25.96	26.09	26.50
15	64QAM	1	37	25.83	25.74	25.95	25.99	25.83	26.50
15	64QAM	1	74	25.84	25.74	25.99	25.69	25.88	26.50
15	64QAM	36	0	24.49	24.35	24.33	24.33	24.50	25.00
15	64QAM	36	20	24.23	24.21	24.38	24.35	24.59	25.00
15	64QAM	36	39	24.28	24.21	24.56	24.43	24.40	25.00
15	64QAM	75	0	24.37	24.24	24.37	24.45	24.54	25.00
15	256QAM	1	0	21.89	21.79	21.98	21.73	21.96	22.50
15	256QAM	1	37	21.84	21.89	21.88	21.89	22.05	22.50
15	256QAM	1	74	21.85	21.95	21.86	21.80	21.93	22.50
15	256QAM	36	0	22.03	21.86	21.96	21.94	22.10	22.50
15	256QAM	36	20	21.89	21.78	21.88	21.73	21.99	22.50
15	256QAM	36	39	21.86	21.74	21.84	21.81	22.01	22.50
15	256QAM	75	0	21.91	21.85	21.97	21.82	21.87	22.50
Channel				39700	40160	40620	41080	41540	27.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.36	26.26	26.54	26.29	26.52	27.00
10	QPSK	1	25	25.91	26.01	25.98	26.26	26.17	27.00
10	QPSK	1	49	25.87	26.19	26.17	26.07	26.18	27.00
10	QPSK	25	0	25.54	25.46	25.43	25.38	25.43	26.00



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10	QPSK	25	12	24.92	24.94	25.18	25.24	25.16	26.00
10	QPSK	25	25	24.97	25.07	25.09	25.24	25.06	26.00
10	QPSK	50	0	25.42	25.42	25.11	25.39	25.09	26.00
10	16QAM	1	0	24.90	25.12	25.19	25.20	24.95	26.00
10	16QAM	1	25	25.22	25.23	25.18	25.06	25.18	26.00
10	16QAM	1	49	24.86	25.27	24.91	24.97	24.88	26.00
10	16QAM	25	0	24.38	24.45	24.44	24.37	24.39	25.00
10	16QAM	25	12	23.95	24.01	24.17	24.26	24.03	25.00
10	16QAM	25	25	24.05	24.11	24.20	24.18	23.92	25.00
10	16QAM	50	0	24.32	24.54	24.37	24.25	24.09	25.00
10	64QAM	1	0	25.81	25.73	25.93	25.85	26.00	26.50
10	64QAM	1	25	25.81	25.64	25.96	25.93	25.96	26.50
10	64QAM	1	49	25.76	25.70	25.92	25.79	25.90	26.50
10	64QAM	25	0	24.40	24.34	24.32	24.32	24.57	25.00
10	64QAM	25	12	24.34	24.17	24.43	24.36	24.55	25.00
10	64QAM	25	25	24.34	24.28	24.46	24.45	24.31	25.00
10	64QAM	50	0	24.46	24.26	24.42	24.42	24.49	25.00
10	256QAM	1	0	21.98	21.74	22.03	21.77	21.94	22.50
10	256QAM	1	25	21.83	21.91	22.00	21.95	21.94	22.50
10	256QAM	1	49	21.87	21.89	21.87	21.80	21.91	22.50
10	256QAM	25	0	21.95	21.81	21.90	21.94	22.11	22.50
10	256QAM	25	12	21.96	21.77	21.95	21.72	21.97	22.50
10	256QAM	25	25	21.94	21.74	21.87	21.77	21.99	22.50
10	256QAM	50	0	21.95	21.85	21.96	21.91	21.82	22.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.41	26.24	26.51	26.30	26.45	27.00
5	QPSK	1	12	26.00	26.05	26.00	26.27	26.22	27.00
5	QPSK	1	24	25.90	26.17	26.06	26.10	26.10	27.00
5	QPSK	12	0	25.55	25.39	25.39	25.36	25.38	26.00
5	QPSK	12	7	24.92	24.97	25.15	25.21	25.27	26.00
5	QPSK	12	13	25.03	25.07	25.09	25.29	25.04	26.00
5	QPSK	25	0	25.42	25.43	25.09	25.30	24.97	26.00
5	16QAM	1	0	25.01	25.11	25.12	25.14	24.99	26.00
5	16QAM	1	12	25.13	25.22	25.22	25.16	25.19	26.00
5	16QAM	1	24	24.78	25.31	24.97	24.97	24.90	26.00
5	16QAM	12	0	24.35	24.43	24.41	24.37	24.43	25.00
5	16QAM	12	7	23.88	23.98	24.11	24.22	23.98	25.00
5	16QAM	12	13	23.94	24.16	24.11	24.27	23.99	25.00
5	16QAM	25	0	24.35	24.50	24.42	24.26	24.11	25.00
5	64QAM	1	0	25.83	25.75	25.92	25.86	26.06	26.50
5	64QAM	1	12	25.77	25.65	26.05	25.91	25.94	26.50
5	64QAM	1	24	25.79	25.62	25.97	25.76	25.85	26.50
5	64QAM	12	0	24.47	24.28	24.42	24.32	24.50	25.00
5	64QAM	12	7	24.26	24.16	24.36	24.42	24.55	25.00
5	64QAM	12	13	24.23	24.24	24.46	24.41	24.32	25.00
5	64QAM	25	0	24.45	24.17	24.42	24.36	24.56	25.00
5	256QAM	1	0	21.89	21.80	22.04	21.83	21.88	22.50
5	256QAM	1	12	21.86	21.88	21.92	21.89	21.97	22.50
5	256QAM	1	24	21.85	21.93	21.90	21.76	21.88	22.50
5	256QAM	12	0	21.95	21.82	21.88	21.93	22.02	22.50
5	256QAM	12	7	21.93	21.73	21.89	21.78	21.93	22.50
5	256QAM	12	13	21.93	21.74	21.95	21.87	22.04	22.50
5	256QAM	25	0	22.01	21.81	21.96	21.82	21.89	22.50



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	17.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.05	16.09	16.11	16.01	16.03	17.30
20	QPSK	1	49	15.98	16.00	16.08	15.96	15.92	17.30
20	QPSK	1	99	15.85	15.91	16.03	15.85	15.82	17.30
20	QPSK	50	0	15.88	16.01	16.07	15.95	15.94	17.30
20	QPSK	50	24	15.82	15.92	16.01	15.84	15.89	17.30
20	QPSK	50	50	15.87	15.83	15.98	15.85	15.87	17.30
20	QPSK	100	0	15.76	15.82	15.96	15.83	15.77	17.30
20	16QAM	1	0	15.78	15.79	15.93	15.70	15.72	17.30
20	16QAM	1	49	15.84	15.94	15.99	15.79	15.85	17.30
20	16QAM	1	99	15.95	15.96	16.05	15.87	15.90	17.30
20	16QAM	50	0	15.85	15.88	16.01	15.88	15.87	17.30
20	16QAM	50	24	15.82	15.89	15.97	15.84	15.85	17.30
20	16QAM	50	50	15.90	15.99	16.05	15.85	15.92	17.30
20	16QAM	100	0	15.86	15.98	16.01	15.83	15.82	17.30
20	64QAM	1	0	15.72	15.83	15.87	15.74	15.67	17.30
20	64QAM	1	49	15.77	15.82	15.95	15.75	15.85	17.30
20	64QAM	1	99	15.77	15.89	15.93	15.70	15.78	17.30
20	64QAM	50	0	15.77	15.85	15.94	15.75	15.80	17.30
20	64QAM	50	24	15.85	15.89	15.97	15.78	15.77	17.30
20	64QAM	50	50	15.75	15.85	15.92	15.76	15.78	17.30
20	64QAM	100	0	15.83	15.92	15.99	15.87	15.84	17.30
20	256QAM	1	0	15.76	15.85	15.94	15.70	15.79	17.30
20	256QAM	1	49	15.83	15.83	15.93	15.70	15.83	17.30
20	256QAM	1	99	15.73	15.77	15.88	15.72	15.66	17.30
20	256QAM	50	0	15.82	15.87	15.94	15.73	15.78	17.30
20	256QAM	50	24	15.85	15.82	15.96	15.79	15.77	17.30
20	256QAM	50	50	15.73	15.79	15.92	15.69	15.78	17.30
20	256QAM	100	0	15.77	15.87	15.91	15.70	15.79	17.30
Channel				39725	40173	40620	41068	41515	17.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	16.04	16.06	15.98	15.88	15.97	17.30
15	QPSK	1	37	15.95	15.96	15.95	15.92	15.89	17.30
15	QPSK	1	74	15.81	15.77	16.00	15.77	15.73	17.30
15	QPSK	36	0	15.81	15.96	16.03	15.87	15.85	17.30
15	QPSK	36	20	15.75	15.81	15.90	15.77	15.84	17.30
15	QPSK	36	39	15.74	15.82	15.96	15.76	15.74	17.30
15	QPSK	75	0	15.62	15.75	15.84	15.71	15.67	17.30
15	16QAM	1	0	15.63	15.72	15.90	15.64	15.69	17.30
15	16QAM	1	37	15.70	15.83	15.87	15.71	15.80	17.30
15	16QAM	1	74	15.80	15.92	16.02	15.76	15.87	17.30
15	16QAM	36	0	15.75	15.86	15.95	15.85	15.74	17.30
15	16QAM	36	20	15.70	15.79	15.95	15.69	15.76	17.30
15	16QAM	36	39	15.87	15.91	15.93	15.74	15.87	17.30
15	16QAM	75	0	15.75	15.85	15.98	15.72	15.70	17.30
15	64QAM	1	0	15.65	15.77	15.73	15.62	15.60	17.30
15	64QAM	1	37	15.74	15.68	15.87	15.63	15.71	17.30
15	64QAM	1	74	15.65	15.79	15.90	15.61	15.74	17.30
15	64QAM	36	0	15.69	15.80	15.88	15.68	15.69	17.30
15	64QAM	36	20	15.83	15.82	15.89	15.74	15.67	17.30
15	64QAM	36	39	15.68	15.78	15.89	15.67	15.70	17.30
15	64QAM	75	0	15.76	15.89	15.87	15.76	15.82	17.30
15	256QAM	1	0	15.69	15.71	15.89	15.61	15.68	17.30
15	256QAM	1	37	15.75	15.77	15.82	15.63	15.79	17.30
15	256QAM	1	74	15.58	15.69	15.85	15.64	15.60	17.30
15	256QAM	36	0	15.75	15.72	15.83	15.67	15.77	17.30
15	256QAM	36	20	15.77	15.71	15.85	15.73	15.62	17.30
15	256QAM	36	39	15.63	15.65	15.78	15.59	15.67	17.30
15	256QAM	75	0	15.65	15.85	15.79	15.56	15.75	17.30
Channel				39700	40160	40620	41080	41540	17.30
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	15.96	15.99	16.01	15.89	15.89	17.30
10	QPSK	1	25	15.87	15.93	16.01	15.89	15.86	17.30
10	QPSK	1	49	15.74	15.86	15.92	15.77	15.70	17.30
10	QPSK	25	0	15.77	15.97	16.00	15.92	15.80	17.30



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10	QPSK	25	12	15.68	15.81	16.00	15.79	15.75	17.30
10	QPSK	25	25	15.81	15.70	15.96	15.79	15.83	17.30
10	QPSK	50	0	15.67	15.72	15.91	15.77	15.69	17.30
10	16QAM	1	0	15.66	15.67	15.87	15.68	15.63	17.30
10	16QAM	1	25	15.72	15.92	15.85	15.73	15.74	17.30
10	16QAM	1	49	15.85	15.87	15.96	15.84	15.82	17.30
10	16QAM	25	0	15.74	15.86	15.92	15.80	15.82	17.30
10	16QAM	25	12	15.75	15.83	15.85	15.71	15.75	17.30
10	16QAM	25	25	15.78	15.95	15.96	15.83	15.82	17.30
10	16QAM	50	0	15.80	15.96	15.87	15.74	15.80	17.30
10	64QAM	1	0	15.67	15.71	15.75	15.64	15.60	17.30
10	64QAM	1	25	15.67	15.70	15.88	15.61	15.83	17.30
10	64QAM	1	49	15.76	15.74	15.82	15.62	15.72	17.30
10	64QAM	25	0	15.75	15.77	15.80	15.65	15.68	17.30
10	64QAM	25	12	15.81	15.76	15.91	15.69	15.66	17.30
10	64QAM	25	25	15.72	15.80	15.89	15.66	15.63	17.30
10	64QAM	50	0	15.71	15.84	15.93	15.82	15.76	17.30
10	256QAM	1	0	15.66	15.82	15.82	15.55	15.77	17.30
10	256QAM	1	25	15.72	15.73	15.91	15.56	15.76	17.30
10	256QAM	1	49	15.61	15.65	15.80	15.69	15.65	17.30
10	256QAM	25	0	15.79	15.84	15.83	15.67	15.65	17.30
10	256QAM	25	12	15.82	15.74	15.90	15.69	15.64	17.30
10	256QAM	25	25	15.61	15.68	15.88	15.68	15.71	17.30
10	256QAM	50	0	15.70	15.85	15.87	15.65	15.68	17.30
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	15.96	16.06	15.99	15.92	15.96	17.30
5	QPSK	1	12	15.83	15.92	16.02	15.83	15.78	17.30
5	QPSK	1	24	15.83	15.86	16.01	15.83	15.80	17.30
5	QPSK	12	0	15.81	15.98	15.93	15.82	15.83	17.30
5	QPSK	12	7	15.70	15.78	15.87	15.83	15.77	17.30
5	QPSK	12	13	15.75	15.80	15.92	15.76	15.73	17.30
5	QPSK	25	0	15.70	15.68	15.86	15.73	15.64	17.30
5	16QAM	1	0	15.76	15.75	15.78	15.67	15.58	17.30
5	16QAM	1	12	15.82	15.91	15.96	15.77	15.80	17.30
5	16QAM	1	24	15.83	15.93	15.95	15.75	15.85	17.30
5	16QAM	12	0	15.74	15.84	15.92	15.74	15.86	17.30
5	16QAM	12	7	15.81	15.76	15.88	15.69	15.71	17.30
5	16QAM	12	13	15.86	15.93	15.98	15.79	15.81	17.30
5	16QAM	25	0	15.80	15.87	15.89	15.78	15.69	17.30
5	64QAM	1	0	15.67	15.69	15.83	15.71	15.55	17.30
5	64QAM	1	12	15.73	15.80	15.92	15.62	15.75	17.30
5	64QAM	1	24	15.68	15.84	15.84	15.64	15.66	17.30
5	64QAM	12	0	15.73	15.73	15.80	15.71	15.67	17.30
5	64QAM	12	7	15.79	15.83	15.92	15.73	15.69	17.30
5	64QAM	12	13	15.66	15.77	15.83	15.63	15.63	17.30
5	64QAM	25	0	15.71	15.81	15.87	15.73	15.73	17.30
5	256QAM	1	0	15.70	15.70	15.92	15.59	15.69	17.30
5	256QAM	1	12	15.71	15.72	15.90	15.55	15.74	17.30
5	256QAM	1	24	15.62	15.62	15.74	15.60	15.56	17.30
5	256QAM	12	0	15.78	15.75	15.88	15.68	15.65	17.30
5	256QAM	12	7	15.73	15.73	15.89	15.77	15.66	17.30
5	256QAM	12	13	15.69	15.73	15.87	15.62	15.73	17.30
5	256QAM	25	0	15.74	15.73	15.78	15.61	15.77	17.30



【LTE Band 41_FCC

(2496~2690MHz)_HPUE_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	20.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.45	19.49	19.51	19.43	19.32	20.70
20	QPSK	1	49	19.38	19.41	19.21	19.30	19.33	20.70
20	QPSK	1	99	19.34	19.46	19.19	19.40	19.48	20.70
20	QPSK	50	0	19.23	19.32	19.11	19.30	19.48	20.70
20	QPSK	50	24	19.36	19.35	19.02	19.27	19.38	20.70
20	QPSK	50	50	19.23	19.40	19.06	19.36	19.43	20.70
20	QPSK	100	0	19.30	19.33	19.09	19.47	19.48	20.70
20	16QAM	1	0	19.37	19.28	19.09	19.42	19.35	20.70
20	16QAM	1	49	19.27	19.30	19.03	19.31	19.44	20.70
20	16QAM	1	99	19.43	19.50	19.14	19.31	19.33	20.70
20	16QAM	50	0	19.34	19.34	19.16	19.34	19.38	20.70
20	16QAM	50	24	19.37	19.43	19.11	19.36	19.44	20.70
20	16QAM	50	50	19.42	19.30	19.13	19.31	19.29	20.70
20	16QAM	100	0	19.40	19.50	19.24	19.39	19.43	20.70
20	64QAM	1	0	19.36	19.38	19.24	19.35	19.39	20.70
20	64QAM	1	49	19.26	19.36	19.10	19.24	19.32	20.70
20	64QAM	1	99	19.37	19.49	19.26	19.44	19.49	20.70
20	64QAM	50	0	19.24	19.29	19.16	19.34	19.38	20.70
20	64QAM	50	24	19.36	19.46	19.06	19.46	19.41	20.70
20	64QAM	50	50	19.30	19.37	19.06	19.29	19.37	20.70
20	64QAM	100	0	19.45	19.50	19.24	19.35	19.30	20.70
20	256QAM	1	0	19.23	19.49	19.02	19.30	19.42	20.70
20	256QAM	1	49	19.39	19.41	19.06	19.41	19.29	20.70
20	256QAM	1	99	19.24	19.50	19.04	19.27	19.28	20.70
20	256QAM	50	0	19.30	19.33	19.19	19.40	19.49	20.70
20	256QAM	50	24	19.39	19.33	19.03	19.43	19.50	20.70
20	256QAM	50	50	19.32	19.31	19.24	19.33	19.42	20.70
20	256QAM	100	0	19.39	19.38	19.05	19.37	19.32	20.70
Channel				39725	40173	40620	41068	41515	20.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.34	19.42	19.49	19.40	19.24	20.70
15	QPSK	1	37	19.31	19.32	19.13	19.22	19.24	20.70
15	QPSK	1	74	19.30	19.41	19.05	19.31	19.39	20.70
15	QPSK	36	0	19.13	19.27	19.01	19.20	19.37	20.70
15	QPSK	36	20	19.21	19.23	18.94	19.24	19.28	20.70
15	QPSK	36	39	19.18	19.38	18.92	19.32	19.38	20.70
15	QPSK	75	0	19.28	19.20	18.99	19.42	19.42	20.70
15	16QAM	1	0	19.33	19.17	18.98	19.41	19.21	20.70
15	16QAM	1	37	19.25	19.22	18.96	19.28	19.41	20.70
15	16QAM	1	74	19.39	19.44	18.99	19.25	19.29	20.70
15	16QAM	36	0	19.31	19.31	19.03	19.26	19.30	20.70
15	16QAM	36	20	19.27	19.28	19.05	19.25	19.38	20.70
15	16QAM	36	39	19.31	19.21	18.99	19.17	19.22	20.70
15	16QAM	75	0	19.29	19.40	19.23	19.25	19.41	20.70
15	64QAM	1	0	19.26	19.29	19.18	19.32	19.32	20.70
15	64QAM	1	37	19.13	19.27	18.97	19.17	19.20	20.70
15	64QAM	1	74	19.27	19.39	19.12	19.33	19.38	20.70
15	64QAM	36	0	19.13	19.21	19.02	19.21	19.36	20.70
15	64QAM	36	20	19.33	19.37	19.00	19.45	19.33	20.70
15	64QAM	36	39	19.27	19.31	18.98	19.20	19.30	20.70
15	64QAM	75	0	19.37	19.37	19.22	19.29	19.21	20.70
15	256QAM	1	0	19.17	19.40	18.95	19.17	19.28	20.70
15	256QAM	1	37	19.37	19.35	18.92	19.38	19.21	20.70
15	256QAM	1	74	19.12	19.39	18.96	19.19	19.18	20.70
15	256QAM	36	0	19.29	19.24	19.15	19.33	19.48	20.70
15	256QAM	36	20	19.31	19.28	18.91	19.37	19.41	20.70
15	256QAM	36	39	19.28	19.19	19.18	19.24	19.27	20.70
15	256QAM	75	0	19.27	19.32	18.99	19.26	19.23	20.70
Channel				39700	40160	40620	41080	41540	20.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.36	19.39	19.40	19.34	19.28	20.70
10	QPSK	1	25	19.36	19.33	19.14	19.27	19.25	20.70
10	QPSK	1	49	19.23	19.38	19.17	19.33	19.36	20.70
10	QPSK	25	0	19.12	19.21	19.10	19.27	19.46	20.70



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10	QPSK	25	12	19.30	19.31	18.93	19.13	19.28	20.70
10	QPSK	25	25	19.13	19.38	19.01	19.30	19.40	20.70
10	QPSK	50	0	19.28	19.24	18.98	19.42	19.45	20.70
10	16QAM	1	0	19.32	19.22	19.01	19.38	19.31	20.70
10	16QAM	1	25	19.13	19.25	18.95	19.26	19.34	20.70
10	16QAM	1	49	19.36	19.45	18.99	19.20	19.18	20.70
10	16QAM	25	0	19.32	19.27	19.02	19.28	19.25	20.70
10	16QAM	25	12	19.36	19.34	19.08	19.25	19.33	20.70
10	16QAM	25	25	19.30	19.23	19.01	19.22	19.27	20.70
10	16QAM	50	0	19.32	19.42	19.19	19.26	19.39	20.70
10	64QAM	1	0	19.21	19.32	19.21	19.34	19.36	20.70
10	64QAM	1	25	19.19	19.29	19.07	19.13	19.21	20.70
10	64QAM	1	49	19.31	19.46	19.16	19.30	19.48	20.70
10	64QAM	25	0	19.11	19.15	19.11	19.31	19.28	20.70
10	64QAM	25	12	19.27	19.40	18.92	19.39	19.32	20.70
10	64QAM	25	25	19.17	19.30	18.94	19.25	19.28	20.70
10	64QAM	50	0	19.35	19.47	19.22	19.23	19.19	20.70
10	256QAM	1	0	19.12	19.36	18.98	19.20	19.28	20.70
10	256QAM	1	25	19.24	19.27	18.97	19.38	19.19	20.70
10	256QAM	1	49	19.19	19.47	18.90	19.24	19.25	20.70
10	256QAM	25	0	19.27	19.26	19.09	19.36	19.47	20.70
10	256QAM	25	12	19.33	19.22	18.98	19.38	19.38	20.70
10	256QAM	25	25	19.19	19.19	19.11	19.21	19.33	20.70
10	256QAM	50	0	19.32	19.36	19.01	19.28	19.22	20.70
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.31	19.37	19.49	19.31	19.24	20.70
5	QPSK	1	12	19.30	19.35	19.14	19.24	19.18	20.70
5	QPSK	1	24	19.21	19.33	19.09	19.34	19.39	20.70
5	QPSK	12	0	19.14	19.26	19.01	19.21	19.44	20.70
5	QPSK	12	7	19.32	19.32	19.00	19.25	19.27	20.70
5	QPSK	12	13	19.21	19.28	18.92	19.29	19.30	20.70
5	QPSK	25	0	19.26	19.28	19.02	19.34	19.34	20.70
5	16QAM	1	0	19.24	19.23	19.02	19.32	19.32	20.70
5	16QAM	1	12	19.25	19.21	18.90	19.28	19.32	20.70
5	16QAM	1	24	19.40	19.49	19.04	19.23	19.27	20.70
5	16QAM	12	0	19.20	19.22	19.08	19.33	19.34	20.70
5	16QAM	12	7	19.28	19.28	19.01	19.24	19.41	20.70
5	16QAM	12	13	19.28	19.17	19.05	19.25	19.16	20.70
5	16QAM	25	0	19.35	19.37	19.15	19.34	19.41	20.70
5	64QAM	1	0	19.25	19.24	19.11	19.28	19.24	20.70
5	64QAM	1	12	19.12	19.33	19.04	19.19	19.30	20.70
5	64QAM	1	24	19.30	19.43	19.13	19.30	19.46	20.70
5	64QAM	12	0	19.15	19.14	19.13	19.31	19.24	20.70
5	64QAM	12	7	19.31	19.39	19.03	19.41	19.34	20.70
5	64QAM	12	13	19.24	19.35	18.98	19.19	19.33	20.70
5	64QAM	25	0	19.41	19.41	19.11	19.22	19.16	20.70
5	256QAM	1	0	19.12	19.38	18.93	19.25	19.34	20.70
5	256QAM	1	12	19.33	19.28	18.95	19.27	19.16	20.70
5	256QAM	1	24	19.13	19.48	18.99	19.18	19.19	20.70
5	256QAM	12	0	19.23	19.22	19.18	19.27	19.38	20.70
5	256QAM	12	7	19.30	19.22	18.89	19.40	19.36	20.70
5	256QAM	12	13	19.22	19.20	19.09	19.23	19.27	20.70
5	256QAM	25	0	19.27	19.26	19.01	19.22	19.31	20.70



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	22.90
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.91	21.95	21.98	21.89	21.93	22.90
20	QPSK	1	49	21.80	21.81	21.95	21.82	21.89	22.90
20	QPSK	1	99	21.76	21.74	21.91	21.73	21.81	22.90
20	QPSK	50	0	21.86	21.85	21.96	21.74	21.80	22.90
20	QPSK	50	24	21.83	21.83	21.93	21.75	21.76	22.90
20	QPSK	50	50	21.78	21.83	21.91	21.69	21.80	22.90
20	QPSK	100	0	21.80	21.78	21.90	21.73	21.81	22.90
20	16QAM	1	0	21.74	21.84	21.88	21.66	21.74	22.90
20	16QAM	1	49	21.75	21.73	21.89	21.67	21.70	22.90
20	16QAM	1	99	21.61	21.68	21.81	21.65	21.69	22.90
20	16QAM	50	0	21.66	21.72	21.86	21.70	21.73	22.90
20	16QAM	50	24	21.70	21.74	21.87	21.69	21.73	22.90
20	16QAM	50	50	21.82	21.77	21.91	21.74	21.77	22.90
20	16QAM	100	0	21.81	21.83	21.93	21.74	21.85	22.90
20	64QAM	1	0	21.74	21.81	21.90	21.75	21.79	22.90
20	64QAM	1	49	21.70	21.77	21.88	21.78	21.76	22.90
20	64QAM	1	99	21.66	21.83	21.87	21.64	21.75	22.90
20	64QAM	50	0	21.61	21.76	21.82	21.58	21.68	22.90
20	64QAM	50	24	21.69	21.66	21.84	21.68	21.77	22.90
20	64QAM	50	50	21.64	21.70	21.83	21.67	21.76	22.90
20	64QAM	100	0	21.63	21.70	21.84	21.65	21.66	22.90
20	256QAM	1	0	21.41	21.50	21.57	21.36	21.40	22.50
20	256QAM	1	49	21.39	21.34	21.51	21.27	21.36	22.50
20	256QAM	1	99	21.33	21.41	21.54	21.41	21.44	22.50
20	256QAM	50	0	21.44	21.39	21.55	21.33	21.38	22.50
20	256QAM	50	24	21.42	21.44	21.56	21.38	21.48	22.50
20	256QAM	50	50	21.35	21.44	21.52	21.31	21.35	22.50
20	256QAM	100	0	21.43	21.37	21.53	21.35	21.41	22.50
Channel				39725	40173	40620	41068	41515	22.90
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	21.86	21.85	21.89	21.87	21.85	22.90
15	QPSK	1	37	21.78	21.71	21.82	21.73	21.82	22.90
15	QPSK	1	74	21.71	21.69	21.78	21.70	21.79	22.90
15	QPSK	36	0	21.80	21.74	21.88	21.69	21.74	22.90
15	QPSK	36	20	21.72	21.69	21.79	21.65	21.66	22.90
15	QPSK	36	39	21.75	21.71	21.90	21.58	21.74	22.90
15	QPSK	75	0	21.67	21.77	21.78	21.68	21.77	22.90
15	16QAM	1	0	21.65	21.79	21.83	21.53	21.67	22.90
15	16QAM	1	37	21.67	21.66	21.79	21.56	21.64	22.90
15	16QAM	1	74	21.57	21.63	21.79	21.51	21.67	22.90
15	16QAM	36	0	21.53	21.59	21.80	21.57	21.65	22.90
15	16QAM	36	20	21.57	21.69	21.73	21.56	21.68	22.90
15	16QAM	36	39	21.69	21.75	21.86	21.72	21.69	22.90
15	16QAM	75	0	21.69	21.74	21.86	21.64	21.74	22.90
15	64QAM	1	0	21.73	21.73	21.82	21.72	21.65	22.90
15	64QAM	1	37	21.60	21.62	21.79	21.68	21.66	22.90
15	64QAM	1	74	21.58	21.82	21.78	21.55	21.69	22.90
15	64QAM	36	0	21.47	21.68	21.76	21.53	21.60	22.90
15	64QAM	36	20	21.58	21.63	21.70	21.57	21.67	22.90
15	64QAM	36	39	21.50	21.63	21.76	21.58	21.62	22.90
15	64QAM	75	0	21.61	21.59	21.83	21.55	21.56	22.90
15	256QAM	1	0	21.37	21.47	21.46	21.31	21.26	22.50
15	256QAM	1	37	21.29	21.21	21.37	21.24	21.24	22.50
15	256QAM	1	74	21.30	21.35	21.42	21.29	21.33	22.50
15	256QAM	36	0	21.37	21.37	21.49	21.31	21.23	22.50
15	256QAM	36	20	21.32	21.32	21.49	21.32	21.44	22.50
15	256QAM	36	39	21.30	21.42	21.47	21.30	21.22	22.50
15	256QAM	75	0	21.39	21.28	21.43	21.34	21.37	22.50
Channel				39700	40160	40620	41080	41540	22.90
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.87	21.86	21.84	21.80	21.87	22.90
10	QPSK	1	25	21.68	21.69	21.86	21.76	21.79	22.90
10	QPSK	1	49	21.71	21.71	21.77	21.61	21.77	22.90
10	QPSK	25	0	21.79	21.72	21.90	21.69	21.68	22.90



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Report No. : FA572502

10	QPSK	25	12	21.70	21.80	21.87	21.63	21.74	22.90
10	QPSK	25	25	21.76	21.71	21.84	21.61	21.71	22.90
10	QPSK	50	0	21.79	21.65	21.79	21.64	21.77	22.90
10	16QAM	1	0	21.61	21.81	21.83	21.61	21.64	22.90
10	16QAM	1	25	21.61	21.63	21.74	21.62	21.58	22.90
10	16QAM	1	49	21.53	21.55	21.72	21.56	21.60	22.90
10	16QAM	25	0	21.57	21.57	21.81	21.68	21.61	22.90
10	16QAM	25	12	21.65	21.62	21.74	21.62	21.69	22.90
10	16QAM	25	25	21.75	21.69	21.88	21.59	21.63	22.90
10	16QAM	50	0	21.73	21.76	21.78	21.60	21.75	22.90
10	64QAM	1	0	21.67	21.73	21.84	21.65	21.73	22.90
10	64QAM	1	25	21.67	21.65	21.74	21.75	21.65	22.90
10	64QAM	1	49	21.52	21.72	21.84	21.62	21.72	22.90
10	64QAM	25	0	21.54	21.64	21.68	21.52	21.59	22.90
10	64QAM	25	12	21.55	21.65	21.72	21.61	21.69	22.90
10	64QAM	25	25	21.57	21.57	21.78	21.52	21.72	22.90
10	64QAM	50	0	21.55	21.60	21.81	21.59	21.53	22.90
10	256QAM	1	0	21.40	21.45	21.52	21.21	21.30	22.50
10	256QAM	1	25	21.35	21.28	21.37	21.14	21.34	22.50
10	256QAM	1	49	21.26	21.27	21.51	21.39	21.32	22.50
10	256QAM	25	0	21.40	21.30	21.43	21.27	21.26	22.50
10	256QAM	25	12	21.36	21.41	21.43	21.24	21.43	22.50
10	256QAM	25	25	21.26	21.38	21.48	21.27	21.25	22.50
10	256QAM	50	0	21.35	21.26	21.50	21.28	21.34	22.50
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	21.87	21.93	21.85	21.78	21.88	22.90
5	QPSK	1	12	21.71	21.68	21.93	21.75	21.83	22.90
5	QPSK	1	24	21.73	21.59	21.83	21.59	21.76	22.90
5	QPSK	12	0	21.71	21.78	21.89	21.71	21.76	22.90
5	QPSK	12	7	21.77	21.79	21.87	21.74	21.74	22.90
5	QPSK	12	13	21.77	21.74	21.86	21.67	21.78	22.90
5	QPSK	25	0	21.71	21.75	21.83	21.71	21.76	22.90
5	16QAM	1	0	21.64	21.83	21.73	21.64	21.62	22.90
5	16QAM	1	12	21.71	21.66	21.84	21.66	21.66	22.90
5	16QAM	1	24	21.49	21.59	21.79	21.64	21.57	22.90
5	16QAM	12	0	21.55	21.70	21.76	21.59	21.64	22.90
5	16QAM	12	7	21.62	21.72	21.76	21.66	21.69	22.90
5	16QAM	12	13	21.75	21.63	21.85	21.71	21.75	22.90
5	16QAM	25	0	21.70	21.77	21.78	21.65	21.78	22.90
5	64QAM	1	0	21.59	21.77	21.88	21.67	21.76	22.90
5	64QAM	1	12	21.60	21.67	21.84	21.68	21.71	22.90
5	64QAM	1	24	21.54	21.81	21.84	21.55	21.70	22.90
5	64QAM	12	0	21.51	21.73	21.79	21.56	21.59	22.90
5	64QAM	12	7	21.67	21.54	21.81	21.66	21.71	22.90
5	64QAM	12	13	21.56	21.61	21.81	21.58	21.64	22.90
5	64QAM	25	0	21.56	21.59	21.77	21.61	21.59	22.90
5	256QAM	1	0	21.34	21.43	21.52	21.27	21.32	22.50
5	256QAM	1	12	21.32	21.24	21.37	21.15	21.26	22.50
5	256QAM	1	24	21.24	21.35	21.47	21.26	21.41	22.50
5	256QAM	12	0	21.36	21.38	21.47	21.23	21.34	22.50
5	256QAM	12	7	21.27	21.33	21.50	21.24	21.41	22.50
5	256QAM	12	13	21.20	21.32	21.50	21.16	21.23	22.50
5	256QAM	25	0	21.42	21.33	21.38	21.29	21.34	22.50



【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	18.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.95	16.98	17.02	16.91	16.99	18.30
20	QPSK	1	49	16.78	16.77	16.86	16.84	16.84	18.30
20	QPSK	1	99	16.75	16.91	16.78	16.87	16.77	18.30
20	QPSK	50	0	16.70	16.90	16.69	16.74	16.89	18.30
20	QPSK	50	24	16.79	16.85	16.93	16.91	16.85	18.30
20	QPSK	50	50	16.86	16.74	16.89	16.75	16.73	18.30
20	QPSK	100	0	16.78	16.74	16.80	16.79	16.80	18.30
20	16QAM	1	0	16.75	16.75	16.82	16.91	16.86	18.30
20	16QAM	1	49	16.80	16.84	16.88	16.80	16.81	18.30
20	16QAM	1	99	16.69	16.81	16.74	16.81	16.87	18.30
20	16QAM	50	0	16.88	16.78	16.89	16.88	16.87	18.30
20	16QAM	50	24	16.91	16.69	16.68	16.73	16.77	18.30
20	16QAM	50	50	16.78	16.74	16.88	16.70	16.70	18.30
20	16QAM	100	0	16.90	16.79	16.89	16.76	16.78	18.30
20	64QAM	1	0	16.91	16.77	16.92	16.73	16.72	18.30
20	64QAM	1	49	16.74	16.84	16.72	16.91	16.75	18.30
20	64QAM	1	99	16.84	16.91	16.83	16.83	16.72	18.30
20	64QAM	50	0	16.76	16.88	16.75	16.86	16.83	18.30
20	64QAM	50	24	16.81	16.88	16.70	16.91	16.69	18.30
20	64QAM	50	50	16.91	16.81	16.70	16.91	16.84	18.30
20	64QAM	100	0	16.81	16.90	16.82	16.72	16.84	18.30
20	256QAM	1	0	16.83	16.84	16.84	16.89	16.85	18.30
20	256QAM	1	49	16.71	16.85	16.85	16.68	16.86	18.30
20	256QAM	1	99	16.75	16.74	16.73	16.78	16.78	18.30
20	256QAM	50	0	16.68	16.86	16.76	16.76	16.91	18.30
20	256QAM	50	24	16.82	16.80	16.89	16.87	16.85	18.30
20	256QAM	50	50	16.78	16.91	16.79	16.84	16.88	18.30
20	256QAM	100	0	16.81	16.82	16.88	16.81	16.70	18.30
Channel				39725	40173	40620	41068	41515	18.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	16.93	16.91	17.01	16.76	16.86	18.30
15	QPSK	1	37	16.70	16.67	16.83	16.78	16.81	18.30
15	QPSK	1	74	16.71	16.85	16.68	16.72	16.72	18.30
15	QPSK	36	0	16.60	16.84	16.55	16.59	16.87	18.30
15	QPSK	36	20	16.67	16.77	16.80	16.80	16.83	18.30
15	QPSK	36	39	16.79	16.64	16.78	16.65	16.71	18.30
15	QPSK	75	0	16.74	16.60	16.73	16.73	16.70	18.30
15	16QAM	1	0	16.68	16.71	16.76	16.82	16.76	18.30
15	16QAM	1	37	16.68	16.73	16.81	16.72	16.69	18.30
15	16QAM	1	74	16.55	16.77	16.64	16.69	16.75	18.30
15	16QAM	36	0	16.75	16.65	16.86	16.75	16.74	18.30
15	16QAM	36	20	16.87	16.59	16.60	16.60	16.63	18.30
15	16QAM	36	39	16.71	16.61	16.76	16.63	16.65	18.30
15	16QAM	75	0	16.81	16.65	16.85	16.73	16.69	18.30
15	64QAM	1	0	16.79	16.69	16.89	16.68	16.65	18.30
15	64QAM	1	37	16.66	16.81	16.59	16.81	16.69	18.30
15	64QAM	1	74	16.83	16.76	16.73	16.72	16.58	18.30
15	64QAM	36	0	16.63	16.83	16.73	16.76	16.70	18.30
15	64QAM	36	20	16.70	16.75	16.67	16.84	16.66	18.30
15	64QAM	36	39	16.85	16.68	16.60	16.82	16.76	18.30
15	64QAM	75	0	16.74	16.77	16.79	16.65	16.79	18.30
15	256QAM	1	0	16.80	16.80	16.73	16.77	16.82	18.30
15	256QAM	1	37	16.70	16.75	16.72	16.61	16.84	18.30
15	256QAM	1	74	16.68	16.70	16.65	16.74	16.67	18.30
15	256QAM	36	0	16.64	16.75	16.73	16.64	16.81	18.30
15	256QAM	36	20	16.74	16.70	16.80	16.85	16.76	18.30
15	256QAM	36	39	16.70	16.77	16.65	16.74	16.75	18.30
15	256QAM	75	0	16.75	16.69	16.76	16.76	16.68	18.30
Channel				39700	40160	40620	41080	41540	18.30
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.88	16.93	16.89	16.88	16.87	18.30
10	QPSK	1	25	16.77	16.65	16.82	16.70	16.69	18.30
10	QPSK	1	49	16.60	16.85	16.69	16.86	16.69	18.30
10	QPSK	25	0	16.57	16.85	16.63	16.71	16.85	18.30



10	QPSK	25	12	16.75	16.73	16.87	16.88	16.71	18.30
10	QPSK	25	25	16.85	16.60	16.76	16.65	16.60	18.30
10	QPSK	50	0	16.64	16.59	16.66	16.68	16.69	18.30
10	16QAM	1	0	16.67	16.70	16.70	16.79	16.81	18.30
10	16QAM	1	25	16.79	16.74	16.81	16.75	16.72	18.30
10	16QAM	1	49	16.54	16.79	16.69	16.73	16.76	18.30
10	16QAM	25	0	16.83	16.71	16.79	16.86	16.82	18.30
10	16QAM	25	12	16.78	16.54	16.55	16.69	16.75	18.30
10	16QAM	25	25	16.66	16.70	16.77	16.69	16.59	18.30
10	16QAM	50	0	16.80	16.66	16.83	16.69	16.73	18.30
10	64QAM	1	0	16.85	16.64	16.90	16.63	16.59	18.30
10	64QAM	1	25	16.62	16.79	16.63	16.83	16.70	18.30
10	64QAM	1	49	16.82	16.84	16.79	16.73	16.66	18.30
10	64QAM	25	0	16.65	16.77	16.69	16.77	16.79	18.30
10	64QAM	25	12	16.78	16.74	16.68	16.89	16.54	18.30
10	64QAM	25	25	16.77	16.74	16.66	16.76	16.77	18.30
10	64QAM	50	0	16.72	16.84	16.69	16.58	16.75	18.30
10	256QAM	1	0	16.71	16.82	16.81	16.85	16.76	18.30
10	256QAM	1	25	16.60	16.76	16.70	16.62	16.75	18.30
10	256QAM	1	49	16.61	16.67	16.68	16.72	16.66	18.30
10	256QAM	25	0	16.65	16.85	16.64	16.75	16.77	18.30
10	256QAM	25	12	16.76	16.79	16.74	16.84	16.83	18.30
10	256QAM	25	25	16.65	16.79	16.73	16.74	16.85	18.30
10	256QAM	50	0	16.69	16.76	16.77	16.72	16.64	18.30
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	16.90	16.91	16.99	16.87	16.95	18.30
5	QPSK	1	12	16.64	16.74	16.76	16.79	16.81	18.30
5	QPSK	1	24	16.69	16.89	16.72	16.73	16.73	18.30
5	QPSK	12	0	16.68	16.84	16.55	16.69	16.83	18.30
5	QPSK	12	7	16.75	16.83	16.82	16.88	16.81	18.30
5	QPSK	12	13	16.79	16.62	16.80	16.63	16.71	18.30
5	QPSK	25	0	16.75	16.70	16.73	16.65	16.72	18.30
5	16QAM	1	0	16.70	16.72	16.71	16.85	16.77	18.30
5	16QAM	1	12	16.71	16.77	16.75	16.66	16.69	18.30
5	16QAM	1	24	16.66	16.77	16.63	16.72	16.79	18.30
5	16QAM	12	0	16.79	16.76	16.78	16.77	16.85	18.30
5	16QAM	12	7	16.79	16.61	16.58	16.65	16.63	18.30
5	16QAM	12	13	16.77	16.73	16.80	16.61	16.62	18.30
5	16QAM	25	0	16.79	16.66	16.82	16.67	16.66	18.30
5	64QAM	1	0	16.86	16.67	16.83	16.58	16.60	18.30
5	64QAM	1	12	16.64	16.83	16.60	16.77	16.70	18.30
5	64QAM	1	24	16.78	16.77	16.76	16.68	16.62	18.30
5	64QAM	12	0	16.71	16.78	16.69	16.82	16.72	18.30
5	64QAM	12	7	16.67	16.83	16.67	16.89	16.67	18.30
5	64QAM	12	13	16.83	16.68	16.57	16.79	16.79	18.30
5	64QAM	25	0	16.76	16.79	16.71	16.64	16.71	18.30
5	256QAM	1	0	16.71	16.82	16.74	16.86	16.81	18.30
5	256QAM	1	12	16.56	16.78	16.72	16.65	16.74	18.30
5	256QAM	1	24	16.71	16.72	16.60	16.63	16.72	18.30
5	256QAM	12	0	16.58	16.80	16.69	16.66	16.80	18.30
5	256QAM	12	7	16.71	16.71	16.79	16.81	16.74	18.30
5	256QAM	12	13	16.69	16.79	16.75	16.77	16.85	18.30
5	256QAM	25	0	16.68	16.70	16.77	16.77	16.57	18.30



【LTE Band 41_FCC (2496~2690MHz)_Ant

8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.54	23.65	23.75	23.62	23.60	24.00
20	QPSK	1	49	23.51	23.57	23.74	23.56	23.57	24.00
20	QPSK	1	99	23.35	23.46	23.57	23.48	23.44	24.00
20	QPSK	50	0	23.50	23.60	23.72	23.50	23.52	24.00
20	QPSK	50	24	23.46	23.59	23.70	23.61	23.56	24.00
20	QPSK	50	50	23.52	23.62	23.71	23.53	23.54	24.00
20	QPSK	100	0	23.40	23.48	23.64	23.48	23.45	24.00
20	16QAM	1	0	23.43	23.51	23.66	23.47	23.54	24.00
20	16QAM	1	49	23.49	23.70	23.65	23.59	23.66	24.00
20	16QAM	1	99	23.34	23.46	23.52	23.36	23.40	24.00
20	16QAM	50	0	23.24	23.33	23.46	23.34	23.24	24.00
20	16QAM	50	24	23.25	23.27	23.44	23.32	23.29	24.00
20	16QAM	50	50	23.15	23.26	23.42	23.29	23.19	24.00
20	16QAM	100	0	23.14	23.28	23.37	23.21	23.18	24.00
20	64QAM	1	0	23.29	23.30	23.44	23.29	23.23	24.00
20	64QAM	1	49	23.40	23.48	23.59	23.46	23.42	24.00
20	64QAM	1	99	23.21	23.25	23.37	23.29	23.19	24.00
20	64QAM	50	0	22.25	22.30	22.42	22.22	22.31	23.00
20	64QAM	50	24	22.23	22.22	22.38	22.27	22.17	23.00
20	64QAM	50	50	22.22	22.36	22.41	22.25	22.21	23.00
20	64QAM	100	0	22.22	22.22	22.39	22.19	22.28	23.00
20	256QAM	1	0	20.01	20.21	20.28	20.11	20.13	21.00
20	256QAM	1	49	20.16	20.26	20.35	20.24	20.14	21.00
20	256QAM	1	99	20.02	20.23	20.27	20.18	20.06	21.00
20	256QAM	50	0	20.16	20.32	20.41	20.35	20.29	21.00
20	256QAM	50	24	20.16	20.31	20.38	20.22	20.18	21.00
20	256QAM	50	50	20.15	20.22	20.37	20.31	20.15	21.00
20	256QAM	100	0	20.19	20.34	20.39	20.32	20.20	21.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.44	23.51	23.53	23.61	23.53	24.00
15	QPSK	1	37	23.43	23.54	23.63	23.42	23.53	24.00
15	QPSK	1	74	23.31	23.32	23.43	23.45	23.40	24.00
15	QPSK	36	0	23.38	23.49	23.68	23.44	23.46	24.00
15	QPSK	36	20	23.41	23.58	23.60	23.50	23.48	24.00
15	QPSK	36	39	23.42	23.52	23.62	23.38	23.48	24.00
15	QPSK	75	0	23.25	23.39	23.61	23.40	23.30	24.00
15	16QAM	1	0	23.33	23.44	23.61	23.35	23.48	24.00
15	16QAM	1	37	23.43	23.67	23.71	23.45	23.54	24.00
15	16QAM	1	74	23.19	23.36	23.40	23.29	23.33	24.00
15	16QAM	36	0	23.17	23.20	23.38	23.31	23.11	24.00
15	16QAM	36	20	23.17	23.21	23.34	23.29	23.18	24.00
15	16QAM	36	39	23.01	23.15	23.37	23.25	23.14	24.00
15	16QAM	75	0	23.10	23.26	23.28	23.09	23.12	24.00
15	64QAM	1	0	23.25	23.24	23.42	23.15	23.20	24.00
15	64QAM	1	37	23.35	23.45	23.49	23.40	23.29	24.00
15	64QAM	1	74	23.09	23.23	23.35	23.22	23.17	24.00
15	64QAM	36	0	22.12	22.26	22.40	22.19	22.17	23.00
15	64QAM	36	20	22.09	22.07	22.30	22.13	22.15	23.00
15	64QAM	36	39	22.08	22.24	22.31	22.15	22.12	23.00
15	64QAM	75	0	22.11	22.10	22.29	22.05	22.21	23.00
15	256QAM	1	0	20.02	20.12	20.23	20.00	20.08	21.00
15	256QAM	1	37	20.04	20.13	20.21	20.09	20.09	21.00
15	256QAM	1	74	20.00	20.18	20.20	20.11	20.01	21.00
15	256QAM	36	0	20.09	20.18	20.34	20.32	20.21	21.00
15	256QAM	36	20	20.12	20.28	20.36	20.09	20.09	21.00
15	256QAM	36	39	20.11	20.12	20.27	20.28	20.08	21.00
15	256QAM	75	0	20.11	20.30	20.31	20.22	20.10	21.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.53	23.54	23.60	23.52	24.00
10	QPSK	1	25	23.39	23.53	23.63	23.49	23.46	24.00
10	QPSK	1	49	23.33	23.32	23.45	23.39	23.41	24.00
10	QPSK	25	0	23.36	23.58	23.63	23.36	23.41	24.00



10	QPSK	25	12	23.41	23.54	23.62	23.55	23.53	24.00
10	QPSK	25	25	23.40	23.48	23.58	23.49	23.50	24.00
10	QPSK	50	0	23.27	23.43	23.55	23.42	23.41	24.00
10	16QAM	1	0	23.33	23.42	23.53	23.34	23.43	24.00
10	16QAM	1	25	23.48	23.64	23.71	23.45	23.59	24.00
10	16QAM	1	49	23.20	23.32	23.45	23.28	23.30	24.00
10	16QAM	25	0	23.22	23.24	23.38	23.30	23.21	24.00
10	16QAM	25	12	23.12	23.26	23.41	23.19	23.20	24.00
10	16QAM	25	25	23.08	23.23	23.33	23.18	23.09	24.00
10	16QAM	50	0	23.04	23.16	23.24	23.11	23.07	24.00
10	64QAM	1	0	23.21	23.19	23.35	23.22	23.14	24.00
10	64QAM	1	25	23.33	23.39	23.47	23.36	23.27	24.00
10	64QAM	1	49	23.19	23.21	23.25	23.22	23.14	24.00
10	64QAM	25	0	22.17	22.17	22.28	22.07	22.28	23.00
10	64QAM	25	12	22.21	22.09	22.32	22.21	22.15	23.00
10	64QAM	25	25	22.18	22.26	22.38	22.18	22.13	23.00
10	64QAM	50	0	22.07	22.16	22.36	22.06	22.27	23.00
10	256QAM	1	0	20.00	20.19	20.23	20.10	20.10	21.00
10	256QAM	1	25	20.04	20.22	20.25	20.11	20.09	21.00
10	256QAM	1	49	20.01	20.21	20.21	20.04	20.01	21.00
10	256QAM	25	0	20.09	20.29	20.33	20.27	20.18	21.00
10	256QAM	25	12	20.10	20.21	20.36	20.15	20.15	21.00
10	256QAM	25	25	20.06	20.13	20.32	20.21	20.05	21.00
10	256QAM	50	0	20.09	20.32	20.36	20.25	20.08	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.54	23.59	23.50	23.49	24.00
5	QPSK	1	12	23.49	23.52	23.69	23.52	23.54	24.00
5	QPSK	1	24	23.24	23.43	23.52	23.42	23.36	24.00
5	QPSK	12	0	23.44	23.57	23.68	23.36	23.46	24.00
5	QPSK	12	7	23.41	23.51	23.60	23.46	23.54	24.00
5	QPSK	12	13	23.50	23.61	23.62	23.45	23.40	24.00
5	QPSK	25	0	23.35	23.37	23.51	23.38	23.39	24.00
5	16QAM	1	0	23.30	23.39	23.57	23.43	23.41	24.00
5	16QAM	1	12	23.42	23.62	23.66	23.45	23.57	24.00
5	16QAM	1	24	23.21	23.38	23.48	23.34	23.27	24.00
5	16QAM	12	0	23.11	23.19	23.36	23.20	23.15	24.00
5	16QAM	12	7	23.16	23.15	23.34	23.24	23.19	24.00
5	16QAM	12	13	23.14	23.24	23.29	23.17	23.08	24.00
5	16QAM	25	0	23.12	23.16	23.29	23.17	23.15	24.00
5	64QAM	1	0	23.19	23.18	23.37	23.25	23.22	24.00
5	64QAM	1	12	23.27	23.40	23.56	23.44	23.37	24.00
5	64QAM	1	24	23.14	23.14	23.23	23.18	23.07	24.00
5	64QAM	12	0	22.23	22.28	22.28	22.10	22.25	23.00
5	64QAM	12	7	22.10	22.17	22.29	22.14	22.09	23.00
5	64QAM	12	13	22.07	22.34	22.31	22.10	22.16	23.00
5	64QAM	25	0	22.12	22.13	22.30	22.07	22.18	23.00
5	256QAM	1	0	20.00	20.16	20.22	20.01	20.11	21.00
5	256QAM	1	12	20.05	20.12	20.21	20.20	20.04	21.00
5	256QAM	1	24	20.00	20.15	20.14	20.05	20.00	21.00
5	256QAM	12	0	20.01	20.21	20.35	20.26	20.25	21.00
5	256QAM	12	7	20.02	20.20	20.32	20.11	20.12	21.00
5	256QAM	12	13	20.02	20.14	20.32	20.20	20.14	21.00
5	256QAM	25	0	20.14	20.32	20.30	20.19	20.15	21.00



【LTE Band 41_FCC

(2496~2690MHz)_HPUE_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	27.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.66	26.59	26.69	26.56	26.62	27.00
20	QPSK	1	49	26.55	26.48	26.61	26.41	26.46	27.00
20	QPSK	1	99	26.53	26.47	26.63	26.38	26.52	27.00
20	QPSK	50	0	26.58	26.50	26.66	26.45	26.47	27.00
20	QPSK	50	24	26.49	26.45	26.62	26.35	26.52	27.00
20	QPSK	50	50	26.51	26.39	26.58	26.40	26.39	27.00
20	QPSK	100	0	26.40	26.44	26.55	26.28	26.44	27.00
20	16QAM	1	0	26.47	26.40	26.54	26.28	26.35	27.00
20	16QAM	1	49	26.46	26.33	26.53	26.37	26.45	27.00
20	16QAM	1	99	26.42	26.39	26.57	26.35	26.42	27.00
20	16QAM	50	0	25.98	25.93	26.15	25.88	26.02	26.50
20	16QAM	50	24	26.04	26.00	26.11	25.84	25.93	26.50
20	16QAM	50	50	25.99	25.91	26.08	25.84	25.89	26.50
20	16QAM	100	0	25.90	25.82	26.06	25.88	25.86	26.50
20	64QAM	1	0	26.46	26.35	26.55	26.38	26.38	27.00
20	64QAM	1	49	26.34	26.40	26.51	26.32	26.38	27.00
20	64QAM	1	99	26.39	26.32	26.49	26.31	26.28	27.00
20	64QAM	50	0	25.07	25.06	25.21	24.95	25.07	25.50
20	64QAM	50	24	25.03	25.03	25.18	24.97	25.06	25.50
20	64QAM	50	50	25.01	25.01	25.16	24.95	24.97	25.50
20	64QAM	100	0	24.98	24.92	25.11	24.95	24.93	25.50
20	256QAM	1	0	23.55	23.51	23.63	23.42	23.51	24.00
20	256QAM	1	49	23.52	23.37	23.58	23.35	23.40	24.00
20	256QAM	1	99	23.55	23.46	23.59	23.38	23.46	24.00
20	256QAM	50	0	23.40	23.27	23.51	23.29	23.33	24.00
20	256QAM	50	24	23.41	23.43	23.55	23.37	23.44	24.00
20	256QAM	50	50	23.40	23.40	23.57	23.43	23.48	24.00
20	256QAM	100	0	23.43	23.29	23.52	23.39	23.45	24.00
Channel				39725	40173	40620	41068	41515	27.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.52	26.44	26.63	26.51	26.58	27.00
15	QPSK	1	37	26.46	26.46	26.51	26.38	26.33	27.00
15	QPSK	1	74	26.38	26.36	26.57	26.35	26.47	27.00
15	QPSK	36	0	26.52	26.41	26.59	26.37	26.36	27.00
15	QPSK	36	20	26.45	26.37	26.55	26.33	26.46	27.00
15	QPSK	36	39	26.44	26.26	26.54	26.27	26.29	27.00
15	QPSK	75	0	26.35	26.35	26.46	26.26	26.39	27.00
15	16QAM	1	0	26.45	26.38	26.51	26.18	26.30	27.00
15	16QAM	1	37	26.31	26.27	26.43	26.24	26.34	27.00
15	16QAM	1	74	26.31	26.33	26.48	26.27	26.28	27.00
15	16QAM	36	0	25.94	25.91	26.07	25.78	25.89	26.50
15	16QAM	36	20	25.96	25.92	26.04	25.83	25.79	26.50
15	16QAM	36	39	25.96	25.85	26.03	25.73	25.88	26.50
15	16QAM	75	0	25.85	25.76	26.04	25.80	25.72	26.50
15	64QAM	1	0	26.32	26.21	26.48	26.31	26.24	27.00
15	64QAM	1	37	26.22	26.25	26.47	26.18	26.31	27.00
15	64QAM	1	74	26.38	26.25	26.43	26.25	26.25	27.00
15	64QAM	36	0	24.96	24.99	25.13	24.80	25.00	25.50
15	64QAM	36	20	24.95	24.88	25.04	24.89	25.03	25.50
15	64QAM	36	39	24.99	24.99	25.04	24.83	24.87	25.50
15	64QAM	75	0	24.90	24.85	25.07	24.93	24.80	25.50
15	256QAM	1	0	23.50	23.43	23.53	23.28	23.47	24.00
15	256QAM	1	37	23.48	23.36	23.50	23.34	23.30	24.00
15	256QAM	1	74	23.51	23.39	23.48	23.29	23.32	24.00
15	256QAM	36	0	23.36	23.23	23.48	23.21	23.25	24.00
15	256QAM	36	20	23.31	23.36	23.52	23.29	23.34	24.00
15	256QAM	36	39	23.33	23.30	23.50	23.36	23.42	24.00
15	256QAM	75	0	23.37	23.25	23.40	23.36	23.31	24.00
Channel				39700	40160	40620	41080	41540	27.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.55	26.45	26.54	26.53	26.52	27.00
10	QPSK	1	25	26.42	26.43	26.56	26.27	26.32	27.00
10	QPSK	1	49	26.44	26.34	26.59	26.26	26.51	27.00
10	QPSK	25	0	26.53	26.37	26.63	26.41	26.42	27.00



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10	QPSK	25	12	26.36	26.44	26.58	26.30	26.47	27.00
10	QPSK	25	25	26.42	26.34	26.55	26.37	26.26	27.00
10	QPSK	50	0	26.33	26.37	26.44	26.15	26.41	27.00
10	16QAM	1	0	26.45	26.34	26.45	26.24	26.32	27.00
10	16QAM	1	25	26.39	26.18	26.45	26.31	26.31	27.00
10	16QAM	1	49	26.31	26.29	26.46	26.20	26.28	27.00
10	16QAM	25	0	25.92	25.91	26.02	25.84	25.93	26.50
10	16QAM	25	12	26.00	25.97	26.01	25.72	25.82	26.50
10	16QAM	25	25	25.95	25.80	26.03	25.72	25.77	26.50
10	16QAM	50	0	25.76	25.68	25.95	25.79	25.79	26.50
10	64QAM	1	0	26.35	26.34	26.47	26.34	26.26	27.00
10	64QAM	1	25	26.23	26.26	26.47	26.22	26.30	27.00
10	64QAM	1	49	26.33	26.28	26.46	26.17	26.23	27.00
10	64QAM	25	0	25.03	24.94	25.14	24.81	24.99	25.50
10	64QAM	25	12	24.97	25.00	25.16	24.85	25.01	25.50
10	64QAM	25	25	24.97	24.92	25.07	24.92	24.90	25.50
10	64QAM	50	0	24.96	24.90	25.09	24.92	24.78	25.50
10	256QAM	1	0	23.54	23.40	23.60	23.31	23.43	24.00
10	256QAM	1	25	23.41	23.34	23.54	23.21	23.32	24.00
10	256QAM	1	49	23.42	23.35	23.49	23.28	23.36	24.00
10	256QAM	25	0	23.27	23.18	23.49	23.26	23.24	24.00
10	256QAM	25	12	23.31	23.30	23.47	23.30	23.38	24.00
10	256QAM	25	25	23.34	23.32	23.55	23.36	23.42	24.00
10	256QAM	50	0	23.28	23.22	23.45	23.26	23.41	24.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.55	26.56	26.57	26.45	26.50	27.00
5	QPSK	1	12	26.43	26.37	26.50	26.35	26.39	27.00
5	QPSK	1	24	26.43	26.45	26.53	26.30	26.48	27.00
5	QPSK	12	0	26.49	26.47	26.52	26.36	26.33	27.00
5	QPSK	12	7	26.41	26.38	26.53	26.32	26.50	27.00
5	QPSK	12	13	26.50	26.29	26.43	26.28	26.25	27.00
5	QPSK	25	0	26.33	26.32	26.50	26.16	26.29	27.00
5	16QAM	1	0	26.34	26.35	26.51	26.17	26.31	27.00
5	16QAM	1	12	26.34	26.18	26.41	26.36	26.42	27.00
5	16QAM	1	24	26.31	26.34	26.48	26.24	26.38	27.00
5	16QAM	12	0	25.91	25.90	26.03	25.76	25.89	26.50
5	16QAM	12	7	25.95	25.90	26.03	25.83	25.90	26.50
5	16QAM	12	13	25.94	25.86	26.03	25.82	25.86	26.50
5	16QAM	25	0	25.88	25.73	26.05	25.78	25.76	26.50
5	64QAM	1	0	26.35	26.33	26.46	26.33	26.24	27.00
5	64QAM	1	12	26.29	26.38	26.45	26.21	26.31	27.00
5	64QAM	1	24	26.28	26.28	26.47	26.27	26.19	27.00
5	64QAM	12	0	25.05	24.95	25.11	24.81	25.03	25.50
5	64QAM	12	7	24.93	24.95	25.12	24.96	25.03	25.50
5	64QAM	12	13	24.90	24.94	25.15	24.89	24.87	25.50
5	64QAM	25	0	24.97	24.85	24.97	24.89	24.89	25.50
5	256QAM	1	0	23.51	23.44	23.58	23.36	23.36	24.00
5	256QAM	1	12	23.43	23.28	23.48	23.23	23.38	24.00
5	256QAM	1	24	23.51	23.37	23.47	23.26	23.39	24.00
5	256QAM	12	0	23.28	23.15	23.46	23.19	23.25	24.00
5	256QAM	12	7	23.37	23.32	23.41	23.24	23.42	24.00
5	256QAM	12	13	23.33	23.35	23.48	23.37	23.35	24.00
5	256QAM	25	0	23.33	23.17	23.42	23.36	23.31	24.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.54	23.65	23.75	23.62	23.60	24.00
20	QPSK	1	49	23.51	23.57	23.74	23.56	23.57	24.00
20	QPSK	1	99	23.35	23.46	23.57	23.48	23.44	24.00
20	QPSK	50	0	23.50	23.60	23.72	23.50	23.52	24.00
20	QPSK	50	24	23.46	23.59	23.70	23.61	23.56	24.00
20	QPSK	50	50	23.52	23.62	23.71	23.53	23.54	24.00
20	QPSK	100	0	23.40	23.48	23.64	23.48	23.45	24.00
20	16QAM	1	0	23.43	23.51	23.66	23.47	23.54	24.00
20	16QAM	1	49	23.49	23.70	23.65	23.59	23.66	24.00
20	16QAM	1	99	23.34	23.46	23.52	23.36	23.40	24.00
20	16QAM	50	0	23.24	23.33	23.46	23.34	23.24	24.00
20	16QAM	50	24	23.25	23.27	23.44	23.32	23.29	24.00
20	16QAM	50	50	23.15	23.26	23.42	23.29	23.19	24.00
20	16QAM	100	0	23.14	23.28	23.37	23.21	23.18	24.00
20	64QAM	1	0	23.29	23.30	23.44	23.29	23.23	24.00
20	64QAM	1	49	23.40	23.48	23.59	23.46	23.42	24.00
20	64QAM	1	99	23.21	23.25	23.37	23.29	23.19	24.00
20	64QAM	50	0	22.25	22.30	22.42	22.22	22.31	23.00
20	64QAM	50	24	22.23	22.22	22.38	22.27	22.17	23.00
20	64QAM	50	50	22.22	22.36	22.41	22.25	22.21	23.00
20	64QAM	100	0	22.22	22.22	22.39	22.19	22.28	23.00
20	256QAM	1	0	20.01	20.21	20.28	20.11	20.13	21.00
20	256QAM	1	49	20.16	20.26	20.35	20.24	20.14	21.00
20	256QAM	1	99	20.02	20.23	20.27	20.18	20.06	21.00
20	256QAM	50	0	20.16	20.32	20.41	20.35	20.29	21.00
20	256QAM	50	24	20.16	20.31	20.38	20.22	20.18	21.00
20	256QAM	50	50	20.15	20.22	20.37	20.31	20.15	21.00
20	256QAM	100	0	20.19	20.34	20.39	20.32	20.20	21.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.44	23.51	23.53	23.61	23.53	24.00
15	QPSK	1	37	23.43	23.54	23.63	23.42	23.53	24.00
15	QPSK	1	74	23.31	23.32	23.43	23.45	23.40	24.00
15	QPSK	36	0	23.38	23.49	23.68	23.44	23.46	24.00
15	QPSK	36	20	23.41	23.58	23.60	23.50	23.48	24.00
15	QPSK	36	39	23.42	23.52	23.62	23.38	23.48	24.00
15	QPSK	75	0	23.25	23.39	23.61	23.40	23.30	24.00
15	16QAM	1	0	23.33	23.44	23.61	23.35	23.48	24.00
15	16QAM	1	37	23.43	23.67	23.71	23.45	23.54	24.00
15	16QAM	1	74	23.19	23.36	23.40	23.29	23.33	24.00
15	16QAM	36	0	23.17	23.20	23.38	23.31	23.11	24.00
15	16QAM	36	20	23.17	23.21	23.34	23.29	23.18	24.00
15	16QAM	36	39	23.01	23.15	23.37	23.25	23.14	24.00
15	16QAM	75	0	23.10	23.26	23.28	23.09	23.12	24.00
15	64QAM	1	0	23.25	23.24	23.42	23.15	23.20	24.00
15	64QAM	1	37	23.35	23.45	23.49	23.40	23.29	24.00
15	64QAM	1	74	23.09	23.23	23.35	23.22	23.17	24.00
15	64QAM	36	0	22.12	22.26	22.40	22.19	22.17	23.00
15	64QAM	36	20	22.09	22.07	22.30	22.13	22.15	23.00
15	64QAM	36	39	22.08	22.24	22.31	22.15	22.12	23.00
15	64QAM	75	0	22.11	22.10	22.29	22.05	22.21	23.00
15	256QAM	1	0	20.02	20.12	20.23	20.00	20.08	21.00
15	256QAM	1	37	20.04	20.13	20.21	20.09	20.09	21.00
15	256QAM	1	74	20.00	20.18	20.20	20.11	20.01	21.00
15	256QAM	36	0	20.09	20.18	20.34	20.32	20.21	21.00
15	256QAM	36	20	20.12	20.28	20.36	20.09	20.09	21.00
15	256QAM	36	39	20.11	20.12	20.27	20.28	20.08	21.00
15	256QAM	75	0	20.11	20.30	20.31	20.22	20.10	21.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.53	23.54	23.60	23.52	24.00
10	QPSK	1	25	23.39	23.53	23.63	23.49	23.46	24.00
10	QPSK	1	49	23.33	23.32	23.45	23.39	23.41	24.00
10	QPSK	25	0	23.36	23.58	23.63	23.36	23.41	24.00



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Report No. : FA572502

10	QPSK	25	12	23.41	23.54	23.62	23.55	23.53	24.00
10	QPSK	25	25	23.40	23.48	23.58	23.49	23.50	24.00
10	QPSK	50	0	23.27	23.43	23.55	23.42	23.41	24.00
10	16QAM	1	0	23.33	23.42	23.53	23.34	23.43	24.00
10	16QAM	1	25	23.48	23.64	23.71	23.45	23.59	24.00
10	16QAM	1	49	23.20	23.32	23.45	23.28	23.30	24.00
10	16QAM	25	0	23.22	23.24	23.38	23.30	23.21	24.00
10	16QAM	25	12	23.12	23.26	23.41	23.19	23.20	24.00
10	16QAM	25	25	23.08	23.23	23.33	23.18	23.09	24.00
10	16QAM	50	0	23.04	23.16	23.24	23.11	23.07	24.00
10	64QAM	1	0	23.21	23.19	23.35	23.22	23.14	24.00
10	64QAM	1	25	23.33	23.39	23.47	23.36	23.27	24.00
10	64QAM	1	49	23.19	23.21	23.25	23.22	23.14	24.00
10	64QAM	25	0	22.17	22.17	22.28	22.07	22.28	23.00
10	64QAM	25	12	22.21	22.09	22.32	22.21	22.15	23.00
10	64QAM	25	25	22.18	22.26	22.38	22.18	22.13	23.00
10	64QAM	50	0	22.07	22.16	22.36	22.06	22.27	23.00
10	256QAM	1	0	20.00	20.19	20.23	20.10	20.10	21.00
10	256QAM	1	25	20.04	20.22	20.25	20.11	20.09	21.00
10	256QAM	1	49	20.01	20.21	20.21	20.04	20.01	21.00
10	256QAM	25	0	20.09	20.29	20.33	20.27	20.18	21.00
10	256QAM	25	12	20.10	20.21	20.36	20.15	20.15	21.00
10	256QAM	25	25	20.06	20.13	20.32	20.21	20.05	21.00
10	256QAM	50	0	20.09	20.32	20.36	20.25	20.08	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.54	23.59	23.50	23.49	24.00
5	QPSK	1	12	23.49	23.52	23.69	23.52	23.54	24.00
5	QPSK	1	24	23.24	23.43	23.52	23.42	23.36	24.00
5	QPSK	12	0	23.44	23.57	23.68	23.36	23.46	24.00
5	QPSK	12	7	23.41	23.51	23.60	23.46	23.54	24.00
5	QPSK	12	13	23.50	23.61	23.62	23.45	23.40	24.00
5	QPSK	25	0	23.35	23.37	23.51	23.38	23.39	24.00
5	16QAM	1	0	23.30	23.39	23.57	23.43	23.41	24.00
5	16QAM	1	12	23.42	23.62	23.66	23.45	23.57	24.00
5	16QAM	1	24	23.21	23.38	23.48	23.34	23.27	24.00
5	16QAM	12	0	23.11	23.19	23.36	23.20	23.15	24.00
5	16QAM	12	7	23.16	23.15	23.34	23.24	23.19	24.00
5	16QAM	12	13	23.14	23.24	23.29	23.17	23.08	24.00
5	16QAM	25	0	23.12	23.16	23.29	23.17	23.15	24.00
5	64QAM	1	0	23.19	23.18	23.37	23.25	23.22	24.00
5	64QAM	1	12	23.27	23.40	23.56	23.44	23.37	24.00
5	64QAM	1	24	23.14	23.14	23.23	23.18	23.07	24.00
5	64QAM	12	0	22.23	22.28	22.28	22.10	22.25	23.00
5	64QAM	12	7	22.10	22.17	22.29	22.14	22.09	23.00
5	64QAM	12	13	22.07	22.34	22.31	22.10	22.16	23.00
5	64QAM	25	0	22.12	22.13	22.30	22.07	22.18	23.00
5	256QAM	1	0	20.00	20.16	20.22	20.01	20.11	21.00
5	256QAM	1	12	20.05	20.12	20.21	20.20	20.04	21.00
5	256QAM	1	24	20.00	20.15	20.14	20.05	20.00	21.00
5	256QAM	12	0	20.01	20.21	20.35	20.26	20.25	21.00
5	256QAM	12	7	20.02	20.20	20.32	20.11	20.12	21.00
5	256QAM	12	13	20.02	20.14	20.32	20.20	20.14	21.00
5	256QAM	25	0	20.14	20.32	20.30	20.19	20.15	21.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.54	23.65	23.75	23.62	23.60	24.00
20	QPSK	1	49	23.51	23.57	23.74	23.56	23.57	24.00
20	QPSK	1	99	23.35	23.46	23.57	23.48	23.44	24.00
20	QPSK	50	0	23.50	23.60	23.72	23.50	23.52	24.00
20	QPSK	50	24	23.46	23.59	23.70	23.61	23.56	24.00
20	QPSK	50	50	23.52	23.62	23.71	23.53	23.54	24.00
20	QPSK	100	0	23.40	23.48	23.64	23.48	23.45	24.00
20	16QAM	1	0	23.43	23.51	23.66	23.47	23.54	24.00
20	16QAM	1	49	23.49	23.70	23.65	23.59	23.66	24.00
20	16QAM	1	99	23.34	23.46	23.52	23.36	23.40	24.00
20	16QAM	50	0	23.24	23.33	23.46	23.34	23.24	24.00
20	16QAM	50	24	23.25	23.27	23.44	23.32	23.29	24.00
20	16QAM	50	50	23.15	23.26	23.42	23.29	23.19	24.00
20	16QAM	100	0	23.14	23.28	23.37	23.21	23.18	24.00
20	64QAM	1	0	23.29	23.30	23.44	23.29	23.23	24.00
20	64QAM	1	49	23.40	23.48	23.59	23.46	23.42	24.00
20	64QAM	1	99	23.21	23.25	23.37	23.29	23.19	24.00
20	64QAM	50	0	22.25	22.30	22.42	22.22	22.31	23.00
20	64QAM	50	24	22.23	22.22	22.38	22.27	22.17	23.00
20	64QAM	50	50	22.22	22.36	22.41	22.25	22.21	23.00
20	64QAM	100	0	22.22	22.22	22.39	22.19	22.28	23.00
20	256QAM	1	0	20.01	20.21	20.28	20.11	20.13	21.00
20	256QAM	1	49	20.16	20.26	20.35	20.24	20.14	21.00
20	256QAM	1	99	20.02	20.23	20.27	20.18	20.06	21.00
20	256QAM	50	0	20.16	20.32	20.41	20.35	20.29	21.00
20	256QAM	50	24	20.16	20.31	20.38	20.22	20.18	21.00
20	256QAM	50	50	20.15	20.22	20.37	20.31	20.15	21.00
20	256QAM	100	0	20.19	20.34	20.39	20.32	20.20	21.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.44	23.51	23.53	23.61	23.53	24.00
15	QPSK	1	37	23.43	23.54	23.63	23.42	23.53	24.00
15	QPSK	1	74	23.31	23.32	23.43	23.45	23.40	24.00
15	QPSK	36	0	23.38	23.49	23.68	23.44	23.46	24.00
15	QPSK	36	20	23.41	23.58	23.60	23.50	23.48	24.00
15	QPSK	36	39	23.42	23.52	23.62	23.38	23.48	24.00
15	QPSK	75	0	23.25	23.39	23.61	23.40	23.30	24.00
15	16QAM	1	0	23.33	23.44	23.61	23.35	23.48	24.00
15	16QAM	1	37	23.43	23.67	23.71	23.45	23.54	24.00
15	16QAM	1	74	23.19	23.36	23.40	23.29	23.33	24.00
15	16QAM	36	0	23.17	23.20	23.38	23.31	23.11	24.00
15	16QAM	36	20	23.17	23.21	23.34	23.29	23.18	24.00
15	16QAM	36	39	23.01	23.15	23.37	23.25	23.14	24.00
15	16QAM	75	0	23.10	23.26	23.28	23.09	23.12	24.00
15	64QAM	1	0	23.25	23.24	23.42	23.15	23.20	24.00
15	64QAM	1	37	23.35	23.45	23.49	23.40	23.29	24.00
15	64QAM	1	74	23.09	23.23	23.35	23.22	23.17	24.00
15	64QAM	36	0	22.12	22.26	22.40	22.19	22.17	23.00
15	64QAM	36	20	22.09	22.07	22.30	22.13	22.15	23.00
15	64QAM	36	39	22.08	22.24	22.31	22.15	22.12	23.00
15	64QAM	75	0	22.11	22.10	22.29	22.05	22.21	23.00
15	256QAM	1	0	20.02	20.12	20.23	20.00	20.08	21.00
15	256QAM	1	37	20.04	20.13	20.21	20.09	20.09	21.00
15	256QAM	1	74	20.00	20.18	20.20	20.11	20.01	21.00
15	256QAM	36	0	20.09	20.18	20.34	20.32	20.21	21.00
15	256QAM	36	20	20.12	20.28	20.36	20.09	20.09	21.00
15	256QAM	36	39	20.11	20.12	20.27	20.28	20.08	21.00
15	256QAM	75	0	20.11	20.30	20.31	20.22	20.10	21.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.53	23.54	23.60	23.52	24.00
10	QPSK	1	25	23.39	23.53	23.63	23.49	23.46	24.00
10	QPSK	1	49	23.33	23.32	23.45	23.39	23.41	24.00
10	QPSK	25	0	23.36	23.58	23.63	23.36	23.41	24.00



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10	QPSK	25	12	23.41	23.54	23.62	23.55	23.53	24.00
10	QPSK	25	25	23.40	23.48	23.58	23.49	23.50	24.00
10	QPSK	50	0	23.27	23.43	23.55	23.42	23.41	24.00
10	16QAM	1	0	23.33	23.42	23.53	23.34	23.43	24.00
10	16QAM	1	25	23.48	23.64	23.71	23.45	23.59	24.00
10	16QAM	1	49	23.20	23.32	23.45	23.28	23.30	24.00
10	16QAM	25	0	23.22	23.24	23.38	23.30	23.21	24.00
10	16QAM	25	12	23.12	23.26	23.41	23.19	23.20	24.00
10	16QAM	25	25	23.08	23.23	23.33	23.18	23.09	24.00
10	16QAM	50	0	23.04	23.16	23.24	23.11	23.07	24.00
10	64QAM	1	0	23.21	23.19	23.35	23.22	23.14	24.00
10	64QAM	1	25	23.33	23.39	23.47	23.36	23.27	24.00
10	64QAM	1	49	23.19	23.21	23.25	23.22	23.14	24.00
10	64QAM	25	0	22.17	22.17	22.28	22.07	22.28	23.00
10	64QAM	25	12	22.21	22.09	22.32	22.21	22.15	23.00
10	64QAM	25	25	22.18	22.26	22.38	22.18	22.13	23.00
10	64QAM	50	0	22.07	22.16	22.36	22.06	22.27	23.00
10	256QAM	1	0	20.00	20.19	20.23	20.10	20.10	21.00
10	256QAM	1	25	20.04	20.22	20.25	20.11	20.09	21.00
10	256QAM	1	49	20.01	20.21	20.21	20.04	20.01	21.00
10	256QAM	25	0	20.09	20.29	20.33	20.27	20.18	21.00
10	256QAM	25	12	20.10	20.21	20.36	20.15	20.15	21.00
10	256QAM	25	25	20.06	20.13	20.32	20.21	20.05	21.00
10	256QAM	50	0	20.09	20.32	20.36	20.25	20.08	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.54	23.59	23.50	23.49	24.00
5	QPSK	1	12	23.49	23.52	23.69	23.52	23.54	24.00
5	QPSK	1	24	23.24	23.43	23.52	23.42	23.36	24.00
5	QPSK	12	0	23.44	23.57	23.68	23.36	23.46	24.00
5	QPSK	12	7	23.41	23.51	23.60	23.46	23.54	24.00
5	QPSK	12	13	23.50	23.61	23.62	23.45	23.40	24.00
5	QPSK	25	0	23.35	23.37	23.51	23.38	23.39	24.00
5	16QAM	1	0	23.30	23.39	23.57	23.43	23.41	24.00
5	16QAM	1	12	23.42	23.62	23.66	23.45	23.57	24.00
5	16QAM	1	24	23.21	23.38	23.48	23.34	23.27	24.00
5	16QAM	12	0	23.11	23.19	23.36	23.20	23.15	24.00
5	16QAM	12	7	23.16	23.15	23.34	23.24	23.19	24.00
5	16QAM	12	13	23.14	23.24	23.29	23.17	23.08	24.00
5	16QAM	25	0	23.12	23.16	23.29	23.17	23.15	24.00
5	64QAM	1	0	23.19	23.18	23.37	23.25	23.22	24.00
5	64QAM	1	12	23.27	23.40	23.56	23.44	23.37	24.00
5	64QAM	1	24	23.14	23.14	23.23	23.18	23.07	24.00
5	64QAM	12	0	22.23	22.28	22.28	22.10	22.25	23.00
5	64QAM	12	7	22.10	22.17	22.29	22.14	22.09	23.00
5	64QAM	12	13	22.07	22.34	22.31	22.10	22.16	23.00
5	64QAM	25	0	22.12	22.13	22.30	22.07	22.18	23.00
5	256QAM	1	0	20.00	20.16	20.22	20.01	20.11	21.00
5	256QAM	1	12	20.05	20.12	20.21	20.20	20.04	21.00
5	256QAM	1	24	20.00	20.15	20.14	20.05	20.00	21.00
5	256QAM	12	0	20.01	20.21	20.35	20.26	20.25	21.00
5	256QAM	12	7	20.02	20.20	20.32	20.11	20.12	21.00
5	256QAM	12	13	20.02	20.14	20.32	20.20	20.14	21.00
5	256QAM	25	0	20.14	20.32	20.30	20.19	20.15	21.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

8_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.54	23.65	23.75	23.62	23.60	24.00
20	QPSK	1	49	23.51	23.57	23.74	23.56	23.57	24.00
20	QPSK	1	99	23.35	23.46	23.57	23.48	23.44	24.00
20	QPSK	50	0	23.65	23.68	23.72	23.63	23.62	24.00
20	QPSK	50	24	23.46	23.59	23.70	23.61	23.56	24.00
20	QPSK	50	50	23.52	23.62	23.71	23.53	23.54	24.00
20	QPSK	100	0	23.40	23.48	23.64	23.48	23.45	24.00
20	16QAM	1	0	23.43	23.51	23.66	23.47	23.54	24.00
20	16QAM	1	49	23.49	23.70	23.65	23.59	23.66	24.00
20	16QAM	1	99	23.34	23.46	23.52	23.36	23.40	24.00
20	16QAM	50	0	23.24	23.33	23.46	23.34	23.24	24.00
20	16QAM	50	24	23.25	23.27	23.44	23.32	23.29	24.00
20	16QAM	50	50	23.15	23.26	23.42	23.29	23.19	24.00
20	16QAM	100	0	23.14	23.28	23.37	23.21	23.18	24.00
20	64QAM	1	0	23.29	23.30	23.44	23.29	23.23	24.00
20	64QAM	1	49	23.40	23.48	23.59	23.46	23.42	24.00
20	64QAM	1	99	23.21	23.25	23.37	23.29	23.19	24.00
20	64QAM	50	0	22.25	22.30	22.42	22.22	22.31	23.00
20	64QAM	50	24	22.23	22.22	22.38	22.27	22.17	23.00
20	64QAM	50	50	22.22	22.36	22.41	22.25	22.21	23.00
20	64QAM	100	0	22.22	22.22	22.39	22.19	22.28	23.00
20	256QAM	1	0	20.01	20.21	20.28	20.11	20.13	21.00
20	256QAM	1	49	20.16	20.26	20.35	20.24	20.14	21.00
20	256QAM	1	99	20.02	20.23	20.27	20.18	20.06	21.00
20	256QAM	50	0	20.16	20.32	20.41	20.35	20.29	21.00
20	256QAM	50	24	20.16	20.31	20.38	20.22	20.18	21.00
20	256QAM	50	50	20.15	20.22	20.37	20.31	20.15	21.00
20	256QAM	100	0	20.19	20.34	20.39	20.32	20.20	21.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.44	23.51	23.53	23.61	23.53	24.00
15	QPSK	1	37	23.43	23.54	23.63	23.42	23.53	24.00
15	QPSK	1	74	23.31	23.32	23.43	23.45	23.40	24.00
15	QPSK	36	0	23.38	23.49	23.68	23.44	23.46	24.00
15	QPSK	36	20	23.41	23.58	23.60	23.50	23.48	24.00
15	QPSK	36	39	23.42	23.52	23.62	23.38	23.48	24.00
15	QPSK	75	0	23.25	23.39	23.61	23.40	23.30	24.00
15	16QAM	1	0	23.33	23.44	23.61	23.35	23.48	24.00
15	16QAM	1	37	23.43	23.67	23.71	23.45	23.54	24.00
15	16QAM	1	74	23.19	23.36	23.40	23.29	23.33	24.00
15	16QAM	36	0	23.17	23.20	23.38	23.31	23.11	24.00
15	16QAM	36	20	23.17	23.21	23.34	23.29	23.18	24.00
15	16QAM	36	39	23.01	23.15	23.37	23.25	23.14	24.00
15	16QAM	75	0	23.10	23.26	23.28	23.09	23.12	24.00
15	64QAM	1	0	23.25	23.24	23.42	23.15	23.20	24.00
15	64QAM	1	37	23.35	23.45	23.49	23.40	23.29	24.00
15	64QAM	1	74	23.09	23.23	23.35	23.22	23.17	24.00
15	64QAM	36	0	22.12	22.26	22.40	22.19	22.17	23.00
15	64QAM	36	20	22.09	22.07	22.30	22.13	22.15	23.00
15	64QAM	36	39	22.08	22.24	22.31	22.15	22.12	23.00
15	64QAM	75	0	22.11	22.10	22.29	22.05	22.21	23.00
15	256QAM	1	0	20.02	20.12	20.23	20.00	20.08	21.00
15	256QAM	1	37	20.04	20.13	20.21	20.09	20.09	21.00
15	256QAM	1	74	20.00	20.18	20.20	20.11	20.01	21.00
15	256QAM	36	0	20.09	20.18	20.34	20.32	20.21	21.00
15	256QAM	36	20	20.12	20.28	20.36	20.09	20.09	21.00
15	256QAM	36	39	20.11	20.12	20.27	20.28	20.08	21.00
15	256QAM	75	0	20.11	20.30	20.31	20.22	20.10	21.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.53	23.54	23.60	23.52	24.00
10	QPSK	1	25	23.39	23.53	23.63	23.49	23.46	24.00
10	QPSK	1	49	23.33	23.32	23.45	23.39	23.41	24.00
10	QPSK	25	0	23.36	23.58	23.63	23.36	23.41	24.00



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Report No. : FA572502

10	QPSK	25	12	23.41	23.54	23.62	23.55	23.53	24.00
10	QPSK	25	25	23.40	23.48	23.58	23.49	23.50	24.00
10	QPSK	50	0	23.27	23.43	23.55	23.42	23.41	24.00
10	16QAM	1	0	23.33	23.42	23.53	23.34	23.43	24.00
10	16QAM	1	25	23.48	23.64	23.71	23.45	23.59	24.00
10	16QAM	1	49	23.20	23.32	23.45	23.28	23.30	24.00
10	16QAM	25	0	23.22	23.24	23.38	23.30	23.21	24.00
10	16QAM	25	12	23.12	23.26	23.41	23.19	23.20	24.00
10	16QAM	25	25	23.08	23.23	23.33	23.18	23.09	24.00
10	16QAM	50	0	23.04	23.16	23.24	23.11	23.07	24.00
10	64QAM	1	0	23.21	23.19	23.35	23.22	23.14	24.00
10	64QAM	1	25	23.33	23.39	23.47	23.36	23.27	24.00
10	64QAM	1	49	23.19	23.21	23.25	23.22	23.14	24.00
10	64QAM	25	0	22.17	22.17	22.28	22.07	22.28	23.00
10	64QAM	25	12	22.21	22.09	22.32	22.21	22.15	23.00
10	64QAM	25	25	22.18	22.26	22.38	22.18	22.13	23.00
10	64QAM	50	0	22.07	22.16	22.36	22.06	22.27	23.00
10	256QAM	1	0	20.00	20.19	20.23	20.10	20.10	21.00
10	256QAM	1	25	20.04	20.22	20.25	20.11	20.09	21.00
10	256QAM	1	49	20.01	20.21	20.21	20.04	20.01	21.00
10	256QAM	25	0	20.09	20.29	20.33	20.27	20.18	21.00
10	256QAM	25	12	20.10	20.21	20.36	20.15	20.15	21.00
10	256QAM	25	25	20.06	20.13	20.32	20.21	20.05	21.00
10	256QAM	50	0	20.09	20.32	20.36	20.25	20.08	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.54	23.59	23.50	23.49	24.00
5	QPSK	1	12	23.49	23.52	23.69	23.52	23.54	24.00
5	QPSK	1	24	23.24	23.43	23.52	23.42	23.36	24.00
5	QPSK	12	0	23.44	23.57	23.68	23.36	23.46	24.00
5	QPSK	12	7	23.41	23.51	23.60	23.46	23.54	24.00
5	QPSK	12	13	23.50	23.61	23.62	23.45	23.40	24.00
5	QPSK	25	0	23.35	23.37	23.51	23.38	23.39	24.00
5	16QAM	1	0	23.30	23.39	23.57	23.43	23.41	24.00
5	16QAM	1	12	23.42	23.62	23.66	23.45	23.57	24.00
5	16QAM	1	24	23.21	23.38	23.48	23.34	23.27	24.00
5	16QAM	12	0	23.11	23.19	23.36	23.20	23.15	24.00
5	16QAM	12	7	23.16	23.15	23.34	23.24	23.19	24.00
5	16QAM	12	13	23.14	23.24	23.29	23.17	23.08	24.00
5	16QAM	25	0	23.12	23.16	23.29	23.17	23.15	24.00
5	64QAM	1	0	23.19	23.18	23.37	23.25	23.22	24.00
5	64QAM	1	12	23.27	23.40	23.56	23.44	23.37	24.00
5	64QAM	1	24	23.14	23.14	23.23	23.18	23.07	24.00
5	64QAM	12	0	22.23	22.28	22.28	22.10	22.25	23.00
5	64QAM	12	7	22.10	22.17	22.29	22.14	22.09	23.00
5	64QAM	12	13	22.07	22.34	22.31	22.10	22.16	23.00
5	64QAM	25	0	22.12	22.13	22.30	22.07	22.18	23.00
5	256QAM	1	0	20.00	20.16	20.22	20.01	20.11	21.00
5	256QAM	1	12	20.05	20.12	20.21	20.20	20.04	21.00
5	256QAM	1	24	20.00	20.15	20.14	20.05	20.00	21.00
5	256QAM	12	0	20.01	20.21	20.35	20.26	20.25	21.00
5	256QAM	12	7	20.02	20.20	20.32	20.11	20.12	21.00
5	256QAM	12	13	20.02	20.14	20.32	20.20	20.14	21.00
5	256QAM	25	0	20.14	20.32	20.30	20.19	20.15	21.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

8_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	24.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.54	23.65	23.75	23.62	23.60	24.00
20	QPSK	1	49	23.51	23.57	23.74	23.56	23.57	24.00
20	QPSK	1	99	23.35	23.46	23.57	23.48	23.44	24.00
20	QPSK	50	0	23.70	23.68	23.72	23.66	23.62	24.00
20	QPSK	50	24	23.46	23.59	23.70	23.61	23.56	24.00
20	QPSK	50	50	23.52	23.62	23.71	23.53	23.54	24.00
20	QPSK	100	0	23.40	23.48	23.64	23.48	23.45	24.00
20	16QAM	1	0	23.43	23.51	23.66	23.47	23.54	24.00
20	16QAM	1	49	23.49	23.70	23.65	23.59	23.66	24.00
20	16QAM	1	99	23.34	23.46	23.52	23.36	23.40	24.00
20	16QAM	50	0	23.24	23.33	23.46	23.34	23.24	24.00
20	16QAM	50	24	23.25	23.27	23.44	23.32	23.29	24.00
20	16QAM	50	50	23.15	23.26	23.42	23.29	23.19	24.00
20	16QAM	100	0	23.14	23.28	23.37	23.21	23.18	24.00
20	64QAM	1	0	23.29	23.30	23.44	23.29	23.23	24.00
20	64QAM	1	49	23.40	23.48	23.59	23.46	23.42	24.00
20	64QAM	1	99	23.21	23.25	23.37	23.29	23.19	24.00
20	64QAM	50	0	22.25	22.30	22.42	22.22	22.31	23.00
20	64QAM	50	24	22.23	22.22	22.38	22.27	22.17	23.00
20	64QAM	50	50	22.22	22.36	22.41	22.25	22.21	23.00
20	64QAM	100	0	22.22	22.22	22.39	22.19	22.28	23.00
20	256QAM	1	0	20.01	20.21	20.28	20.11	20.13	21.00
20	256QAM	1	49	20.16	20.26	20.35	20.24	20.14	21.00
20	256QAM	1	99	20.02	20.23	20.27	20.18	20.06	21.00
20	256QAM	50	0	20.16	20.32	20.41	20.35	20.29	21.00
20	256QAM	50	24	20.16	20.31	20.38	20.22	20.18	21.00
20	256QAM	50	50	20.15	20.22	20.37	20.31	20.15	21.00
20	256QAM	100	0	20.19	20.34	20.39	20.32	20.20	21.00
Channel				39725	40173	40620	41068	41515	24.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.44	23.51	23.53	23.61	23.53	24.00
15	QPSK	1	37	23.43	23.54	23.63	23.42	23.53	24.00
15	QPSK	1	74	23.31	23.32	23.43	23.45	23.40	24.00
15	QPSK	36	0	23.38	23.49	23.68	23.44	23.46	24.00
15	QPSK	36	20	23.41	23.58	23.60	23.50	23.48	24.00
15	QPSK	36	39	23.42	23.52	23.62	23.38	23.48	24.00
15	QPSK	75	0	23.25	23.39	23.61	23.40	23.30	24.00
15	16QAM	1	0	23.33	23.44	23.61	23.35	23.48	24.00
15	16QAM	1	37	23.43	23.67	23.71	23.45	23.54	24.00
15	16QAM	1	74	23.19	23.36	23.40	23.29	23.33	24.00
15	16QAM	36	0	23.17	23.20	23.38	23.31	23.11	24.00
15	16QAM	36	20	23.17	23.21	23.34	23.29	23.18	24.00
15	16QAM	36	39	23.01	23.15	23.37	23.25	23.14	24.00
15	16QAM	75	0	23.10	23.26	23.28	23.09	23.12	24.00
15	64QAM	1	0	23.25	23.24	23.42	23.15	23.20	24.00
15	64QAM	1	37	23.35	23.45	23.49	23.40	23.29	24.00
15	64QAM	1	74	23.09	23.23	23.35	23.22	23.17	24.00
15	64QAM	36	0	22.12	22.26	22.40	22.19	22.17	23.00
15	64QAM	36	20	22.09	22.07	22.30	22.13	22.15	23.00
15	64QAM	36	39	22.08	22.24	22.31	22.15	22.12	23.00
15	64QAM	75	0	22.11	22.10	22.29	22.05	22.21	23.00
15	256QAM	1	0	20.02	20.12	20.23	20.00	20.08	21.00
15	256QAM	1	37	20.04	20.13	20.21	20.09	20.09	21.00
15	256QAM	1	74	20.00	20.18	20.20	20.11	20.01	21.00
15	256QAM	36	0	20.09	20.18	20.34	20.32	20.21	21.00
15	256QAM	36	20	20.12	20.28	20.36	20.09	20.09	21.00
15	256QAM	36	39	20.11	20.12	20.27	20.28	20.08	21.00
15	256QAM	75	0	20.11	20.30	20.31	20.22	20.10	21.00
Channel				39700	40160	40620	41080	41540	24.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.47	23.53	23.54	23.60	23.52	24.00
10	QPSK	1	25	23.39	23.53	23.63	23.49	23.46	24.00
10	QPSK	1	49	23.33	23.32	23.45	23.39	23.41	24.00
10	QPSK	25	0	23.36	23.58	23.63	23.36	23.41	24.00



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10	QPSK	25	12	23.41	23.54	23.62	23.55	23.53	24.00
10	QPSK	25	25	23.40	23.48	23.58	23.49	23.50	24.00
10	QPSK	50	0	23.27	23.43	23.55	23.42	23.41	24.00
10	16QAM	1	0	23.33	23.42	23.53	23.34	23.43	24.00
10	16QAM	1	25	23.48	23.64	23.71	23.45	23.59	24.00
10	16QAM	1	49	23.20	23.32	23.45	23.28	23.30	24.00
10	16QAM	25	0	23.22	23.24	23.38	23.30	23.21	24.00
10	16QAM	25	12	23.12	23.26	23.41	23.19	23.20	24.00
10	16QAM	25	25	23.08	23.23	23.33	23.18	23.09	24.00
10	16QAM	50	0	23.04	23.16	23.24	23.11	23.07	24.00
10	64QAM	1	0	23.21	23.19	23.35	23.22	23.14	24.00
10	64QAM	1	25	23.33	23.39	23.47	23.36	23.27	24.00
10	64QAM	1	49	23.19	23.21	23.25	23.22	23.14	24.00
10	64QAM	25	0	22.17	22.17	22.28	22.07	22.28	23.00
10	64QAM	25	12	22.21	22.09	22.32	22.21	22.15	23.00
10	64QAM	25	25	22.18	22.26	22.38	22.18	22.13	23.00
10	64QAM	50	0	22.07	22.16	22.36	22.06	22.27	23.00
10	256QAM	1	0	20.00	20.19	20.23	20.10	20.10	21.00
10	256QAM	1	25	20.04	20.22	20.25	20.11	20.09	21.00
10	256QAM	1	49	20.01	20.21	20.21	20.04	20.01	21.00
10	256QAM	25	0	20.09	20.29	20.33	20.27	20.18	21.00
10	256QAM	25	12	20.10	20.21	20.36	20.15	20.15	21.00
10	256QAM	25	25	20.06	20.13	20.32	20.21	20.05	21.00
10	256QAM	50	0	20.09	20.32	20.36	20.25	20.08	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.47	23.54	23.59	23.50	23.49	24.00
5	QPSK	1	12	23.49	23.52	23.69	23.52	23.54	24.00
5	QPSK	1	24	23.24	23.43	23.52	23.42	23.36	24.00
5	QPSK	12	0	23.44	23.57	23.68	23.36	23.46	24.00
5	QPSK	12	7	23.41	23.51	23.60	23.46	23.54	24.00
5	QPSK	12	13	23.50	23.61	23.62	23.45	23.40	24.00
5	QPSK	25	0	23.35	23.37	23.51	23.38	23.39	24.00
5	16QAM	1	0	23.30	23.39	23.57	23.43	23.41	24.00
5	16QAM	1	12	23.42	23.62	23.66	23.45	23.57	24.00
5	16QAM	1	24	23.21	23.38	23.48	23.34	23.27	24.00
5	16QAM	12	0	23.11	23.19	23.36	23.20	23.15	24.00
5	16QAM	12	7	23.16	23.15	23.34	23.24	23.19	24.00
5	16QAM	12	13	23.14	23.24	23.29	23.17	23.08	24.00
5	16QAM	25	0	23.12	23.16	23.29	23.17	23.15	24.00
5	64QAM	1	0	23.19	23.18	23.37	23.25	23.22	24.00
5	64QAM	1	12	23.27	23.40	23.56	23.44	23.37	24.00
5	64QAM	1	24	23.14	23.14	23.23	23.18	23.07	24.00
5	64QAM	12	0	22.23	22.28	22.28	22.10	22.25	23.00
5	64QAM	12	7	22.10	22.17	22.29	22.14	22.09	23.00
5	64QAM	12	13	22.07	22.34	22.31	22.10	22.16	23.00
5	64QAM	25	0	22.12	22.13	22.30	22.07	22.18	23.00
5	256QAM	1	0	20.00	20.16	20.22	20.01	20.11	21.00
5	256QAM	1	12	20.05	20.12	20.21	20.20	20.04	21.00
5	256QAM	1	24	20.00	20.15	20.14	20.05	20.00	21.00
5	256QAM	12	0	20.01	20.21	20.35	20.26	20.25	21.00
5	256QAM	12	7	20.02	20.20	20.32	20.11	20.12	21.00
5	256QAM	12	13	20.02	20.14	20.32	20.20	20.14	21.00
5	256QAM	25	0	20.14	20.32	20.30	20.19	20.15	21.00



【LTE Band 41__FCC (2496~2690MHz)_Ant

8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	21.70
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.69	20.66	20.75	20.70	20.69	21.70
20	QPSK	1	49	20.62	20.56	20.64	20.55	20.54	21.70
20	QPSK	1	99	20.60	20.57	20.53	20.57	20.55	21.70
20	QPSK	50	0	20.68	20.64	20.73	20.66	20.72	21.70
20	QPSK	50	24	20.54	20.63	20.52	20.50	20.49	21.70
20	QPSK	50	50	20.64	20.57	20.54	20.51	20.68	21.70
20	QPSK	100	0	20.66	20.58	20.65	20.57	20.53	21.70
20	16QAM	1	0	20.59	20.68	20.54	20.59	20.53	21.70
20	16QAM	1	49	20.67	20.59	20.61	20.64	20.67	21.70
20	16QAM	1	99	20.63	20.57	20.70	20.53	20.65	21.70
20	16QAM	50	0	20.63	20.56	20.53	20.62	20.61	21.70
20	16QAM	50	24	20.66	20.52	20.62	20.68	20.55	21.70
20	16QAM	50	50	20.51	20.66	20.59	20.61	20.70	21.70
20	16QAM	100	0	20.55	20.72	20.50	20.48	20.71	21.70
20	64QAM	1	0	20.69	20.69	20.50	20.68	20.70	21.70
20	64QAM	1	49	20.49	20.60	20.60	20.61	20.52	21.70
20	64QAM	1	99	20.63	20.62	20.72	20.67	20.65	21.70
20	64QAM	50	0	20.54	20.67	20.54	20.48	20.51	21.70
20	64QAM	50	24	20.52	20.57	20.53	20.54	20.60	21.70
20	64QAM	50	50	20.70	20.57	20.70	20.52	20.48	21.70
20	64QAM	100	0	20.64	20.59	20.60	20.55	20.60	21.70
20	256QAM	1	0	19.83	19.71	19.86	19.81	19.72	21.00
20	256QAM	1	49	19.91	19.75	19.81	19.83	19.69	21.00
20	256QAM	1	99	19.82	19.81	19.83	19.76	19.77	21.00
20	256QAM	50	0	19.73	19.83	19.86	19.84	19.74	21.00
20	256QAM	50	24	19.78	19.70	19.77	19.72	19.75	21.00
20	256QAM	50	50	19.81	19.84	19.91	19.69	19.82	21.00
20	256QAM	100	0	19.90	19.78	19.87	19.84	19.82	21.00
Channel				39725	40173	40620	41068	41515	21.70
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.66	20.64	20.74	20.66	20.59	21.70
15	QPSK	1	37	20.59	20.54	20.52	20.45	20.42	21.70
15	QPSK	1	74	20.55	20.45	20.46	20.44	20.52	21.70
15	QPSK	36	0	20.46	20.48	20.63	20.58	20.58	21.70
15	QPSK	36	20	20.40	20.59	20.51	20.42	20.48	21.70
15	QPSK	36	39	20.62	20.46	20.42	20.38	20.67	21.70
15	QPSK	75	0	20.51	20.46	20.62	20.50	20.49	21.70
15	16QAM	1	0	20.55	20.56	20.42	20.49	20.47	21.70
15	16QAM	1	37	20.59	20.50	20.59	20.61	20.56	21.70
15	16QAM	1	74	20.61	20.53	20.64	20.49	20.64	21.70
15	16QAM	36	0	20.57	20.43	20.45	20.54	20.48	21.70
15	16QAM	36	20	20.63	20.45	20.56	20.54	20.42	21.70
15	16QAM	36	39	20.42	20.62	20.45	20.54	20.58	21.70
15	16QAM	75	0	20.50	20.61	20.36	20.41	20.57	21.70
15	64QAM	1	0	20.60	20.56	20.44	20.60	20.67	21.70
15	64QAM	1	37	20.38	20.59	20.48	20.55	20.43	21.70
15	64QAM	1	74	20.59	20.48	20.59	20.65	20.55	21.70
15	64QAM	36	0	20.48	20.62	20.41	20.39	20.44	21.70
15	64QAM	36	20	20.42	20.51	20.48	20.50	20.48	21.70
15	64QAM	36	39	20.65	20.54	20.68	20.40	20.45	21.70
15	64QAM	75	0	20.51	20.46	20.47	20.46	20.55	21.70
15	256QAM	1	0	19.75	19.63	19.79	19.68	19.57	21.00
15	256QAM	1	37	19.86	19.62	19.79	19.70	19.63	21.00
15	256QAM	1	74	19.68	19.77	19.68	19.63	19.67	21.00
15	256QAM	36	0	19.72	19.70	19.79	19.71	19.70	21.00
15	256QAM	36	20	19.63	19.62	19.64	19.67	19.68	21.00
15	256QAM	36	39	19.79	19.76	19.84	19.58	19.70	21.00
15	256QAM	75	0	19.78	19.68	19.73	19.77	19.69	21.00
Channel				39700	40160	40620	41080	41540	21.70
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.65	20.61	20.66	20.63	20.55	21.70
10	QPSK	1	25	20.50	20.54	20.60	20.54	20.53	21.70
10	QPSK	1	49	20.49	20.51	20.42	20.54	20.53	21.70
10	QPSK	25	0	20.51	20.52	20.68	20.65	20.61	21.70



10	QPSK	25	12	20.45	20.53	20.43	20.46	20.40	21.70
10	QPSK	25	25	20.54	20.53	20.42	20.36	20.61	21.70
10	QPSK	50	0	20.61	20.48	20.60	20.45	20.46	21.70
10	16QAM	1	0	20.48	20.58	20.52	20.51	20.48	21.70
10	16QAM	1	25	20.62	20.53	20.53	20.55	20.64	21.70
10	16QAM	1	49	20.62	20.56	20.55	20.49	20.63	21.70
10	16QAM	25	0	20.57	20.53	20.44	20.50	20.57	21.70
10	16QAM	25	12	20.56	20.38	20.56	20.56	20.54	21.70
10	16QAM	25	25	20.39	20.52	20.57	20.58	20.65	21.70
10	16QAM	50	0	20.51	20.57	20.46	20.41	20.58	21.70
10	64QAM	1	0	20.55	20.55	20.37	20.66	20.57	21.70
10	64QAM	1	25	20.42	20.52	20.47	20.54	20.48	21.70
10	64QAM	1	49	20.57	20.47	20.59	20.52	20.57	21.70
10	64QAM	25	0	20.43	20.58	20.50	20.34	20.40	21.70
10	64QAM	25	12	20.42	20.56	20.43	20.44	20.57	21.70
10	64QAM	25	25	20.56	20.43	20.69	20.37	20.47	21.70
10	64QAM	50	0	20.56	20.57	20.57	20.52	20.48	21.70
10	256QAM	1	0	19.71	19.62	19.80	19.76	19.66	21.00
10	256QAM	1	25	19.85	19.68	19.77	19.77	19.57	21.00
10	256QAM	1	49	19.76	19.67	19.75	19.68	19.71	21.00
10	256QAM	25	0	19.66	19.74	19.82	19.81	19.64	21.00
10	256QAM	25	12	19.71	19.57	19.65	19.63	19.73	21.00
10	256QAM	25	25	19.74	19.81	19.87	19.54	19.74	21.00
10	256QAM	50	0	19.77	19.64	19.82	19.79	19.72	21.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	20.59	20.53	20.63	20.64	20.57	21.70
5	QPSK	1	12	20.60	20.47	20.52	20.46	20.40	21.70
5	QPSK	1	24	20.48	20.43	20.44	20.45	20.46	21.70
5	QPSK	12	0	20.56	20.41	20.67	20.55	20.62	21.70
5	QPSK	12	7	20.50	20.52	20.39	20.46	20.44	21.70
5	QPSK	12	13	20.61	20.45	20.46	20.47	20.58	21.70
5	QPSK	25	0	20.52	20.57	20.56	20.49	20.45	21.70
5	16QAM	1	0	20.57	20.56	20.43	20.54	20.41	21.70
5	16QAM	1	12	20.56	20.56	20.47	20.54	20.56	21.70
5	16QAM	1	24	20.49	20.54	20.64	20.46	20.53	21.70
5	16QAM	12	0	20.58	20.48	20.47	20.50	20.48	21.70
5	16QAM	12	7	20.59	20.45	20.54	20.67	20.42	21.70
5	16QAM	12	13	20.44	20.59	20.54	20.53	20.57	21.70
5	16QAM	25	0	20.43	20.65	20.41	20.42	20.65	21.70
5	64QAM	1	0	20.57	20.67	20.39	20.58	20.66	21.70
5	64QAM	1	12	20.45	20.45	20.57	20.57	20.37	21.70
5	64QAM	1	24	20.49	20.61	20.61	20.64	20.60	21.70
5	64QAM	12	0	20.47	20.54	20.53	20.40	20.38	21.70
5	64QAM	12	7	20.46	20.43	20.38	20.40	20.54	21.70
5	64QAM	12	13	20.63	20.53	20.66	20.41	20.39	21.70
5	64QAM	25	0	20.54	20.45	20.56	20.52	20.59	21.70
5	256QAM	1	0	19.69	19.56	19.77	19.68	19.60	21.00
5	256QAM	1	12	19.76	19.61	19.72	19.79	19.65	21.00
5	256QAM	1	24	19.69	19.76	19.69	19.73	19.62	21.00
5	256QAM	12	0	19.63	19.79	19.76	19.80	19.66	21.00
5	256QAM	12	7	19.65	19.66	19.76	19.70	19.66	21.00
5	256QAM	12	13	19.69	19.78	19.86	19.63	19.75	21.00
5	256QAM	25	0	19.76	19.70	19.85	19.73	19.67	21.00



【LTE Band 41__FCC
(2496~2690MHz)_HPUE_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.66	26.59	26.69	26.56	26.62	27.00
20	QPSK	1	49	26.55	26.48	26.61	26.41	26.46	27.00
20	QPSK	1	99	26.53	26.47	26.63	26.38	26.52	27.00
20	QPSK	50	0	26.58	26.50	26.66	26.45	26.47	27.00
20	QPSK	50	24	26.49	26.45	26.62	26.35	26.52	27.00
20	QPSK	50	50	26.51	26.39	26.58	26.40	26.39	27.00
20	QPSK	100	0	26.40	26.44	26.55	26.28	26.44	27.00
20	16QAM	1	0	26.47	26.40	26.54	26.28	26.35	27.00
20	16QAM	1	49	26.46	26.33	26.53	26.37	26.45	27.00
20	16QAM	1	99	26.42	26.39	26.57	26.35	26.42	27.00
20	16QAM	50	0	25.98	25.93	26.15	25.88	26.02	26.50
20	16QAM	50	24	26.04	26.00	26.11	25.84	25.93	26.50
20	16QAM	50	50	25.99	25.91	26.08	25.84	25.89	26.50
20	16QAM	100	0	25.90	25.82	26.06	25.88	25.86	26.50
20	64QAM	1	0	26.46	26.35	26.55	26.38	26.38	27.00
20	64QAM	1	49	26.34	26.40	26.51	26.32	26.38	27.00
20	64QAM	1	99	26.39	26.32	26.49	26.31	26.28	27.00
20	64QAM	50	0	25.07	25.06	25.21	24.95	25.07	25.50
20	64QAM	50	24	25.03	25.03	25.18	24.97	25.06	25.50
20	64QAM	50	50	25.01	25.01	25.16	24.95	24.97	25.50
20	64QAM	100	0	24.98	24.92	25.11	24.95	24.93	25.50
20	256QAM	1	0	23.55	23.51	23.63	23.42	23.51	24.00
20	256QAM	1	49	23.52	23.37	23.58	23.35	23.40	24.00
20	256QAM	1	99	23.55	23.46	23.59	23.38	23.46	24.00
20	256QAM	50	0	23.40	23.27	23.51	23.29	23.33	24.00
20	256QAM	50	24	23.41	23.43	23.55	23.37	23.44	24.00
20	256QAM	50	50	23.40	23.40	23.57	23.43	23.48	24.00
20	256QAM	100	0	23.43	23.29	23.52	23.39	23.45	24.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.52	26.44	26.63	26.51	26.58	27.00
15	QPSK	1	37	26.46	26.46	26.51	26.38	26.33	27.00
15	QPSK	1	74	26.38	26.36	26.57	26.35	26.47	27.00
15	QPSK	36	0	26.52	26.41	26.59	26.37	26.36	27.00
15	QPSK	36	20	26.45	26.37	26.55	26.33	26.46	27.00
15	QPSK	36	39	26.44	26.26	26.54	26.27	26.29	27.00
15	QPSK	75	0	26.35	26.35	26.46	26.26	26.39	27.00
15	16QAM	1	0	26.45	26.38	26.51	26.18	26.30	27.00
15	16QAM	1	37	26.31	26.27	26.43	26.24	26.34	27.00
15	16QAM	1	74	26.31	26.33	26.48	26.27	26.28	27.00
15	16QAM	36	0	25.94	25.91	26.07	25.78	25.89	26.50
15	16QAM	36	20	25.96	25.92	26.04	25.83	25.79	26.50
15	16QAM	36	39	25.96	25.85	26.03	25.73	25.88	26.50
15	16QAM	75	0	25.85	25.76	26.04	25.80	25.72	26.50
15	64QAM	1	0	26.32	26.21	26.48	26.31	26.24	27.00
15	64QAM	1	37	26.22	26.25	26.47	26.18	26.31	27.00
15	64QAM	1	74	26.38	26.25	26.43	26.25	26.25	27.00
15	64QAM	36	0	24.96	24.99	25.13	24.80	25.00	25.50
15	64QAM	36	20	24.95	24.88	25.04	24.89	25.03	25.50
15	64QAM	36	39	24.99	24.99	25.04	24.83	24.87	25.50
15	64QAM	75	0	24.90	24.85	25.07	24.93	24.80	25.50
15	256QAM	1	0	23.50	23.43	23.53	23.28	23.47	24.00
15	256QAM	1	37	23.48	23.36	23.50	23.34	23.30	24.00
15	256QAM	1	74	23.51	23.39	23.48	23.29	23.32	24.00
15	256QAM	36	0	23.36	23.23	23.48	23.21	23.25	24.00
15	256QAM	36	20	23.31	23.36	23.52	23.29	23.34	24.00
15	256QAM	36	39	23.33	23.30	23.50	23.36	23.42	24.00
15	256QAM	75	0	23.37	23.25	23.40	23.36	23.31	24.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.55	26.45	26.54	26.53	26.52	27.00
10	QPSK	1	25	26.42	26.43	26.56	26.27	26.32	27.00
10	QPSK	1	49	26.44	26.34	26.59	26.26	26.51	27.00