



FCC SAR Test Report

Report No. : FA5N1310

15	16QAM	1	37	16.37	16.36	16.45	16.34	16.30	17.90
15	16QAM	1	74	16.31	16.39	16.40	16.29	16.37	17.90
15	16QAM	36	0	16.41	16.32	16.37	16.37	16.36	17.90
15	16QAM	36	20	16.43	16.36	16.37	16.33	16.24	17.90
15	16QAM	36	39	16.34	16.39	16.41	16.36	16.41	17.90
15	16QAM	75	0	16.26	16.47	16.42	16.38	16.36	17.90
15	64QAM	1	0	16.44	16.42	16.37	16.39	16.34	17.90
15	64QAM	1	37	16.43	16.48	16.47	16.38	16.38	17.90
15	64QAM	1	74	16.42	16.39	16.44	16.31	16.23	17.90
15	64QAM	36	0	16.28	16.42	16.47	16.40	16.32	17.90
15	64QAM	36	20	16.36	16.39	16.36	16.36	16.43	17.90
15	64QAM	36	39	16.41	16.37	16.44	16.44	16.39	17.90
15	64QAM	75	0	16.28	16.35	16.31	16.28	16.42	17.90
15	256QAM	1	0	16.36	16.43	16.36	16.32	16.34	17.90
15	256QAM	1	37	16.43	16.33	16.39	16.27	16.27	17.90
15	256QAM	1	74	16.38	16.31	16.43	16.30	16.37	17.90
15	256QAM	36	0	16.40	16.37	16.35	16.33	16.22	17.90
15	256QAM	36	20	16.40	16.39	16.35	16.29	16.37	17.90
15	256QAM	36	39	16.33	16.40	16.36	16.29	16.29	17.90
15	256QAM	75	0	16.30	16.38	16.31	16.35	16.33	17.90
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.41	16.47	16.52	16.41	16.44	17.90
10	QPSK	1	25	16.35	16.35	16.42	16.29	16.28	17.90
10	QPSK	1	49	16.34	16.40	16.40	16.30	16.34	17.90
10	QPSK	25	0	16.32	16.49	16.48	16.44	16.34	17.90
10	QPSK	25	12	16.36	16.43	16.50	16.34	16.27	17.90
10	QPSK	25	25	16.39	16.40	16.34	16.37	16.34	17.90
10	QPSK	50	0	16.23	16.39	16.35	16.30	16.32	17.90
10	16QAM	1	0	16.33	16.45	16.43	16.43	16.34	17.90
10	16QAM	1	25	16.33	16.33	16.50	16.36	16.42	17.90
10	16QAM	1	49	16.37	16.42	16.33	16.29	16.37	17.90
10	16QAM	25	0	16.31	16.28	16.37	16.38	16.34	17.90
10	16QAM	25	12	16.39	16.37	16.43	16.40	16.33	17.90
10	16QAM	25	25	16.40	16.43	16.41	16.38	16.41	17.90
10	16QAM	50	0	16.38	16.42	16.50	16.44	16.32	17.90
10	64QAM	1	0	16.43	16.47	16.33	16.34	16.32	17.90
10	64QAM	1	25	16.36	16.47	16.49	16.28	16.34	17.90
10	64QAM	1	49	16.35	16.35	16.41	16.32	16.31	17.90
10	64QAM	25	0	16.37	16.35	16.45	16.35	16.32	17.90
10	64QAM	25	12	16.38	16.41	16.43	16.35	16.32	17.90
10	64QAM	25	25	16.41	16.36	16.49	16.37	16.40	17.90
10	64QAM	50	0	16.34	16.42	16.30	16.30	16.39	17.90
10	256QAM	1	0	16.41	16.46	16.34	16.32	16.28	17.90
10	256QAM	1	25	16.42	16.36	16.40	16.30	16.30	17.90
10	256QAM	1	49	16.38	16.35	16.43	16.42	16.38	17.90
10	256QAM	25	0	16.42	16.36	16.41	16.41	16.29	17.90
10	256QAM	25	12	16.33	16.29	16.45	16.34	16.43	17.90
10	256QAM	25	25	16.41	16.34	16.44	16.30	16.28	17.90
10	256QAM	50	0	16.29	16.33	16.39	16.41	16.34	17.90
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	16.44	16.43	16.43	16.43	16.42	17.90
5	QPSK	1	12	16.25	16.33	16.51	16.30	16.35	17.90
5	QPSK	1	24	16.38	16.30	16.42	16.29	16.43	17.90
5	QPSK	12	0	16.37	16.41	16.47	16.39	16.35	17.90
5	QPSK	12	7	16.40	16.37	16.43	16.44	16.24	17.90
5	QPSK	12	13	16.44	16.28	16.39	16.42	16.31	17.90
5	QPSK	25	0	16.26	16.42	16.28	16.28	16.27	17.90
5	16QAM	1	0	16.38	16.39	16.51	16.37	16.40	17.90
5	16QAM	1	12	16.33	16.32	16.48	16.41	16.39	17.90
5	16QAM	1	24	16.37	16.45	16.42	16.26	16.30	17.90
5	16QAM	12	0	16.41	16.29	16.46	16.48	16.29	17.90
5	16QAM	12	7	16.44	16.36	16.36	16.35	16.24	17.90
5	16QAM	12	13	16.40	16.33	16.47	16.35	16.35	17.90
5	16QAM	25	0	16.35	16.47	16.48	16.34	16.42	17.90
5	64QAM	1	0	16.41	16.38	16.36	16.40	16.34	17.90
5	64QAM	1	12	16.43	16.42	16.39	16.32	16.29	17.90
5	64QAM	1	24	16.42	16.31	16.35	16.23	16.36	17.90
5	64QAM	12	0	16.35	16.41	16.43	16.42	16.28	17.90
5	64QAM	12	7	16.37	16.39	16.40	16.39	16.39	17.90
5	64QAM	12	13	16.41	16.44	16.36	16.45	16.33	17.90
5	64QAM	25	0	16.25	16.43	16.38	16.31	16.32	17.90
5	256QAM	1	0	16.33	16.43	16.43	16.29	16.30	17.90
5	256QAM	1	12	16.36	16.33	16.37	16.30	16.23	17.90
5	256QAM	1	24	16.38	16.39	16.45	16.32	16.32	17.90



5	256QAM	12	0	16.47	16.29	16.34	16.43	16.23	17.90
5	256QAM	12	7	16.37	16.37	16.43	16.33	16.42	17.90
5	256QAM	12	13	16.37	16.40	16.36	16.31	16.32	17.90
5	256QAM	25	0	16.34	16.25	16.33	16.42	16.35	17.90

【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	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.31	23.26	23.35	23.19	23.22	24.30
20	QPSK	1	49	23.03	22.89	23.11	22.88	22.84	24.30
20	QPSK	1	99	22.94	22.86	23.06	22.77	22.90	24.30
20	QPSK	50	0	23.11	23.07	23.18	23.16	23.15	24.30
20	QPSK	50	24	22.99	22.95	23.16	22.92	22.96	24.30
20	QPSK	50	50	22.98	23.02	23.12	22.93	22.94	24.30
20	QPSK	100	0	23.10	23.09	23.21	23.14	23.12	24.30
20	16QAM	1	0	23.06	23.12	23.24	23.06	23.02	24.30
20	16QAM	1	49	23.09	23.03	23.19	22.92	23.00	24.30
20	16QAM	1	99	22.95	23.01	23.11	22.88	22.96	24.30
20	16QAM	50	0	22.51	22.51	22.67	22.46	22.40	23.80
20	16QAM	50	24	22.38	22.36	22.56	22.34	22.32	23.80
20	16QAM	50	50	22.64	22.53	22.71	22.46	22.47	23.80
20	16QAM	100	0	22.47	22.42	22.57	22.31	22.35	23.80
20	64QAM	1	0	22.48	22.37	22.59	22.38	22.36	23.80
20	64QAM	1	49	22.54	22.49	22.64	22.36	22.41	23.80
20	64QAM	1	99	22.45	22.39	22.62	22.37	22.47	23.80
20	64QAM	50	0	21.67	21.51	21.72	21.51	21.49	22.80
20	64QAM	50	24	21.58	21.50	21.72	21.49	21.56	22.80
20	64QAM	50	50	21.64	21.59	21.72	21.47	21.52	22.80
20	64QAM	100	0	21.54	21.47	21.60	21.40	21.43	22.80
20	256QAM	1	0	19.42	19.40	19.60	19.35	19.39	20.80
20	256QAM	1	49	19.61	19.59	19.70	19.48	19.47	20.80
20	256QAM	1	99	19.49	19.40	19.63	19.43	19.49	20.80
20	256QAM	50	0	19.46	19.44	19.57	19.35	19.37	20.80
20	256QAM	50	24	19.43	19.39	19.58	19.38	19.38	20.80
20	256QAM	50	50	19.61	19.62	19.71	19.43	19.56	20.80
20	256QAM	100	0	19.50	19.41	19.63	19.36	19.38	20.80
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	23.29	23.23	23.34	23.06	23.07	24.30
15	QPSK	1	37	22.96	22.84	22.98	22.85	22.70	24.30
15	QPSK	1	74	22.88	22.73	23.01	22.75	22.76	24.30
15	QPSK	36	0	23.06	23.06	23.14	23.10	23.09	24.30
15	QPSK	36	20	22.95	22.84	23.05	22.87	22.91	24.30
15	QPSK	36	39	22.88	22.96	23.09	22.89	22.83	24.30
15	QPSK	75	0	22.97	23.01	23.09	23.11	23.11	24.30
15	16QAM	1	0	22.95	22.98	23.16	22.91	22.90	24.30
15	16QAM	1	37	22.99	22.95	23.14	22.78	22.89	24.30
15	16QAM	1	74	22.92	22.98	22.96	22.80	22.90	24.30
15	16QAM	36	0	22.44	22.40	22.53	22.33	22.30	23.80
15	16QAM	36	20	22.34	22.21	22.50	22.30	22.17	23.80
15	16QAM	36	39	22.57	22.46	22.57	22.35	22.39	23.80
15	16QAM	75	0	22.35	22.32	22.44	22.26	22.33	23.80
15	64QAM	1	0	22.44	22.26	22.47	22.26	22.28	23.80
15	64QAM	1	37	22.53	22.48	22.52	22.24	22.28	23.80
15	64QAM	1	74	22.31	22.32	22.55	22.32	22.41	23.80
15	64QAM	36	0	21.52	21.46	21.68	21.37	21.38	22.80
15	64QAM	36	20	21.53	21.43	21.70	21.41	21.53	22.80
15	64QAM	36	39	21.50	21.46	21.67	21.43	21.51	22.80
15	64QAM	75	0	21.44	21.38	21.58	21.34	21.40	22.80
15	256QAM	1	0	19.36	19.32	19.58	19.24	19.27	20.80
15	256QAM	1	37	19.60	19.51	19.65	19.35	19.44	20.80
15	256QAM	1	74	19.45	19.25	19.58	19.40	19.46	20.80
15	256QAM	36	0	19.42	19.31	19.49	19.26	19.25	20.80
15	256QAM	36	20	19.37	19.29	19.55	19.27	19.26	20.80
15	256QAM	36	39	19.52	19.56	19.61	19.31	19.53	20.80
15	256QAM	75	0	19.40	19.32	19.59	19.25	19.31	20.80
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.27	23.17	23.20	23.17	23.17	24.30

10	QPSK	1	25	22.98	22.78	23.07	22.78	22.70	24.30
10	QPSK	1	49	22.80	22.72	23.03	22.72	22.84	24.30
10	QPSK	25	0	23.05	22.99	23.08	23.09	23.07	24.30
10	QPSK	25	12	22.86	22.86	23.03	22.89	22.81	24.30
10	QPSK	25	25	22.94	22.94	22.99	22.78	22.80	24.30
10	QPSK	50	0	23.04	22.99	23.18	23.07	23.03	24.30
10	16QAM	1	0	23.04	23.05	23.15	23.01	23.01	24.30
10	16QAM	1	25	22.96	22.97	23.15	22.85	22.91	24.30
10	16QAM	1	49	22.92	22.96	23.02	22.73	22.82	24.30
10	16QAM	25	0	22.40	22.46	22.62	22.35	22.38	23.80
10	16QAM	25	12	22.27	22.29	22.54	22.20	22.23	23.80
10	16QAM	25	25	22.57	22.51	22.56	22.39	22.40	23.80
10	16QAM	50	0	22.32	22.31	22.55	22.22	22.30	23.80
10	64QAM	1	0	22.47	22.24	22.51	22.31	22.23	23.80
10	64QAM	1	25	22.47	22.40	22.61	22.29	22.39	23.80
10	64QAM	1	49	22.31	22.29	22.48	22.26	22.45	23.80
10	64QAM	25	0	21.53	21.40	21.60	21.41	21.35	22.80
10	64QAM	25	12	21.50	21.47	21.68	21.47	21.49	22.80
10	64QAM	25	25	21.56	21.56	21.57	21.33	21.50	22.80
10	64QAM	50	0	21.52	21.35	21.59	21.25	21.39	22.80
10	256QAM	1	0	19.30	19.26	19.46	19.20	19.31	20.80
10	256QAM	1	25	19.48	19.51	19.64	19.37	19.32	20.80
10	256QAM	1	49	19.44	19.33	19.54	19.32	19.38	20.80
10	256QAM	25	0	19.33	19.40	19.56	19.22	19.32	20.80
10	256QAM	25	12	19.36	19.32	19.54	19.29	19.28	20.80
10	256QAM	25	25	19.59	19.54	19.64	19.39	19.43	20.80
10	256QAM	50	0	19.46	19.31	19.56	19.32	19.26	20.80
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	23.25	23.19	23.26	23.15	23.12	24.30
5	QPSK	1	12	22.98	22.74	23.03	22.80	22.75	24.30
5	QPSK	1	24	22.85	22.75	23.05	22.66	22.76	24.30
5	QPSK	12	0	23.10	23.03	23.05	23.13	23.07	24.30
5	QPSK	12	7	22.92	22.83	23.08	22.84	22.93	24.30
5	QPSK	12	13	22.88	22.90	23.10	22.90	22.89	24.30
5	QPSK	25	0	23.06	23.00	23.12	23.06	23.01	24.30
5	16QAM	1	0	23.03	23.04	23.18	23.05	22.96	24.30
5	16QAM	1	12	22.98	23.00	23.05	22.89	22.88	24.30
5	16QAM	1	24	22.81	22.99	23.07	22.75	22.86	24.30
5	16QAM	12	0	22.45	22.41	22.59	22.37	22.31	23.80
5	16QAM	12	7	22.27	22.32	22.44	22.19	22.25	23.80
5	16QAM	12	13	22.49	22.38	22.69	22.38	22.33	23.80
5	16QAM	25	0	22.42	22.34	22.42	22.23	22.25	23.80
5	64QAM	1	0	22.44	22.35	22.53	22.30	22.25	23.80
5	64QAM	1	12	22.47	22.34	22.59	22.21	22.34	23.80
5	64QAM	1	24	22.38	22.37	22.61	22.22	22.40	23.80
5	64QAM	12	0	21.54	21.45	21.61	21.39	21.48	22.80
5	64QAM	12	7	21.44	21.43	21.65	21.41	21.52	22.80
5	64QAM	12	13	21.51	21.45	21.65	21.37	21.38	22.80
5	64QAM	25	0	21.52	21.34	21.47	21.26	21.40	22.80
5	256QAM	1	0	19.29	19.33	19.50	19.31	19.32	20.80
5	256QAM	1	12	19.55	19.54	19.60	19.34	19.45	20.80
5	256QAM	1	24	19.35	19.36	19.61	19.29	19.38	20.80
5	256QAM	12	0	19.43	19.42	19.55	19.23	19.33	20.80
5	256QAM	12	7	19.41	19.26	19.47	19.25	19.25	20.80
5	256QAM	12	13	19.46	19.50	19.66	19.34	19.51	20.80
5	256QAM	25	0	19.37	19.36	19.58	19.33	19.28	20.80

【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	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.84	24.81	24.89	24.82	24.77	26.00
20	QPSK	1	49	24.47	24.48	24.61	24.41	24.45	26.00
20	QPSK	1	99	24.52	24.54	24.72	24.60	24.50	26.00
20	QPSK	50	0	23.85	23.82	23.87	23.81	23.69	25.00
20	QPSK	50	24	23.60	23.55	23.70	23.61	23.45	25.00
20	QPSK	50	50	23.62	23.53	23.71	23.61	23.49	25.00
20	QPSK	100	0	23.63	23.69	23.79	23.58	23.54	25.00
20	16QAM	1	0	23.66	23.70	23.85	23.73	23.70	25.00



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20	16QAM	1	49	23.68	23.56	23.77	23.62	23.63	25.00
20	16QAM	1	99	23.66	23.65	23.76	23.58	23.60	25.00
20	16QAM	50	0	22.53	22.55	22.69	22.61	22.50	24.00
20	16QAM	50	24	22.69	22.71	22.85	22.65	22.67	24.00
20	16QAM	50	50	22.62	22.69	22.81	22.72	22.59	24.00
20	16QAM	100	0	22.58	22.67	22.77	22.65	22.54	24.00
20	64QAM	1	0	22.71	22.75	22.90	22.76	22.74	24.00
20	64QAM	1	49	22.65	22.68	22.77	22.57	22.52	24.00
20	64QAM	1	99	22.75	22.63	22.84	22.70	22.59	24.00
20	64QAM	50	0	21.78	21.77	21.87	21.75	21.64	23.00
20	64QAM	50	24	21.71	21.65	21.82	21.71	21.67	23.00
20	64QAM	50	50	21.83	21.80	21.91	21.82	21.77	23.00
20	64QAM	100	0	21.73	21.66	21.83	21.66	21.64	23.00
20	256QAM	1	0	19.73	19.78	19.91	19.76	19.75	21.00
20	256QAM	1	49	19.63	19.66	19.79	19.59	19.55	21.00
20	256QAM	1	99	19.67	19.70	19.85	19.76	19.74	21.00
20	256QAM	50	0	19.78	19.68	19.83	19.65	19.68	21.00
20	256QAM	50	24	19.70	19.66	19.82	19.65	19.68	21.00
20	256QAM	50	50	19.68	19.65	19.85	19.73	19.62	21.00
20	256QAM	100	0	19.58	19.58	19.69	19.51	19.58	21.00
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	24.80	24.73	24.85	24.79	24.70	26.00
15	QPSK	1	37	24.33	24.35	24.46	24.27	24.36	26.00
15	QPSK	1	74	24.46	24.45	24.67	24.46	24.41	26.00
15	QPSK	36	0	23.83	23.79	23.73	23.79	23.68	25.00
15	QPSK	36	20	23.52	23.46	23.68	23.48	23.34	25.00
15	QPSK	36	39	23.59	23.51	23.70	23.51	23.39	25.00
15	QPSK	75	0	23.49	23.61	23.74	23.43	23.40	25.00
15	16QAM	1	0	23.62	23.68	23.74	23.68	23.60	25.00
15	16QAM	1	37	23.56	23.51	23.68	23.52	23.57	25.00
15	16QAM	1	74	23.63	23.52	23.67	23.53	23.45	25.00
15	16QAM	36	0	22.42	22.44	22.66	22.54	22.37	24.00
15	16QAM	36	20	22.54	22.59	22.80	22.54	22.56	24.00
15	16QAM	36	39	22.54	22.60	22.80	22.59	22.50	24.00
15	16QAM	75	0	22.47	22.53	22.67	22.57	22.51	24.00
15	64QAM	1	0	22.57	22.67	22.77	22.65	22.72	24.00
15	64QAM	1	37	22.54	22.57	22.72	22.49	22.43	24.00
15	64QAM	1	74	22.60	22.55	22.80	22.57	22.46	24.00
15	64QAM	36	0	21.77	21.67	21.77	21.70	21.50	23.00
15	64QAM	36	20	21.63	21.56	21.69	21.63	21.57	23.00
15	64QAM	36	39	21.79	21.72	21.83	21.72	21.63	23.00
15	64QAM	75	0	21.66	21.60	21.68	21.57	21.54	23.00
15	256QAM	1	0	19.62	19.70	19.86	19.67	19.61	21.00
15	256QAM	1	37	19.52	19.60	19.72	19.46	19.49	21.00
15	256QAM	1	74	19.57	19.65	19.84	19.69	19.72	21.00
15	256QAM	36	0	19.64	19.54	19.69	19.62	19.65	21.00
15	256QAM	36	20	19.58	19.62	19.70	19.59	19.54	21.00
15	256QAM	36	39	19.61	19.62	19.79	19.65	19.53	21.00
15	256QAM	75	0	19.43	19.51	19.66	19.38	19.51	21.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.78	24.73	24.74	24.75	24.72	26.00
10	QPSK	1	25	24.42	24.40	24.52	24.28	24.40	26.00
10	QPSK	1	49	24.37	24.50	24.63	24.56	24.47	26.00
10	QPSK	25	0	23.82	23.78	23.83	23.76	23.61	25.00
10	QPSK	25	12	23.56	23.53	23.67	23.54	23.33	25.00
10	QPSK	25	25	23.60	23.45	23.57	23.56	23.38	25.00
10	QPSK	50	0	23.57	23.57	23.73	23.50	23.48	25.00
10	16QAM	1	0	23.64	23.69	23.82	23.69	23.68	25.00
10	16QAM	1	25	23.61	23.45	23.71	23.51	23.61	25.00
10	16QAM	1	49	23.55	23.58	23.72	23.47	23.48	25.00
10	16QAM	25	0	22.48	22.42	22.55	22.59	22.47	24.00
10	16QAM	25	12	22.56	22.63	22.80	22.52	22.58	24.00
10	16QAM	25	25	22.58	22.62	22.68	22.67	22.49	24.00
10	16QAM	50	0	22.49	22.66	22.62	22.60	22.47	24.00
10	64QAM	1	0	22.58	22.72	22.86	22.72	22.64	24.00
10	64QAM	1	25	22.60	22.57	22.63	22.51	22.50	24.00
10	64QAM	1	49	22.62	22.48	22.83	22.61	22.55	24.00
10	64QAM	25	0	21.71	21.65	21.84	21.71	21.53	23.00
10	64QAM	25	12	21.68	21.58	21.75	21.70	21.62	23.00
10	64QAM	25	25	21.82	21.73	21.80	21.80	21.64	23.00
10	64QAM	50	0	21.70	21.55	21.76	21.62	21.62	23.00
10	256QAM	1	0	19.62	19.69	19.80	19.62	19.61	21.00
10	256QAM	1	25	19.59	19.56	19.69	19.46	19.42	21.00
10	256QAM	1	49	19.64	19.61	19.79	19.66	19.71	21.00



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10	256QAM	25	0	19.68	19.66	19.81	19.55	19.59	21.00
10	256QAM	25	12	19.58	19.64	19.68	19.59	19.66	21.00
10	256QAM	25	25	19.56	19.63	19.80	19.66	19.52	21.00
10	256QAM	50	0	19.44	19.53	19.66	19.49	19.47	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	24.79	24.77	24.88	24.81	24.72	26.00
5	QPSK	1	12	24.40	24.46	24.58	24.39	24.35	26.00
5	QPSK	1	24	24.50	24.41	24.71	24.56	24.42	26.00
5	QPSK	12	0	23.76	23.70	23.76	23.74	23.62	25.00
5	QPSK	12	7	23.56	23.51	23.68	23.55	23.41	25.00
5	QPSK	12	13	23.53	23.45	23.57	23.50	23.36	25.00
5	QPSK	25	0	23.54	23.63	23.65	23.55	23.52	25.00
5	16QAM	1	0	23.56	23.67	23.81	23.71	23.57	25.00
5	16QAM	1	12	23.63	23.53	23.65	23.61	23.61	25.00
5	16QAM	1	24	23.57	23.58	23.62	23.44	23.51	25.00
5	16QAM	12	0	22.43	22.41	22.55	22.56	22.38	24.00
5	16QAM	12	7	22.62	22.64	22.77	22.62	22.63	24.00
5	16QAM	12	13	22.48	22.58	22.75	22.64	22.45	24.00
5	16QAM	25	0	22.44	22.60	22.66	22.61	22.46	24.00
5	64QAM	1	0	22.65	22.67	22.75	22.71	22.65	24.00
5	64QAM	1	12	22.62	22.57	22.70	22.52	22.47	24.00
5	64QAM	1	24	22.67	22.59	22.71	22.68	22.55	24.00
5	64QAM	12	0	21.71	21.73	21.85	21.72	21.50	23.00
5	64QAM	12	7	21.69	21.58	21.75	21.67	21.63	23.00
5	64QAM	12	13	21.82	21.79	21.83	21.67	21.67	23.00
5	64QAM	25	0	21.65	21.63	21.73	21.57	21.53	23.00
5	256QAM	1	0	19.58	19.68	19.79	19.67	19.64	21.00
5	256QAM	1	12	19.57	19.62	19.72	19.45	19.46	21.00
5	256QAM	1	24	19.56	19.59	19.81	19.71	19.70	21.00
5	256QAM	12	0	19.71	19.57	19.78	19.63	19.57	21.00
5	256QAM	12	7	19.58	19.56	19.79	19.63	19.61	21.00
5	256QAM	12	13	19.59	19.61	19.76	19.63	19.54	21.00
5	256QAM	25	0	19.55	19.52	19.56	19.43	19.46	21.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.82	20.85	20.76	22.00
20	QPSK	1	49	20.55	20.71	20.50	22.00
20	QPSK	1	99	20.59	20.74	20.54	22.00
20	QPSK	50	0	19.88	19.92	19.83	21.00
20	QPSK	50	24	19.58	19.68	19.50	21.00
20	QPSK	50	50	19.69	19.84	19.64	21.00
20	QPSK	100	0	19.81	19.89	19.69	21.00
20	16QAM	1	0	19.60	19.67	19.57	21.00
20	16QAM	1	49	19.59	19.72	19.55	21.00
20	16QAM	1	99	19.67	19.78	19.58	21.00
20	16QAM	50	0	18.63	18.76	18.54	20.00
20	16QAM	50	24	18.55	18.65	18.55	20.00
20	16QAM	50	50	18.63	18.78	18.66	20.00
20	16QAM	100	0	18.58	18.66	18.44	20.00
20	64QAM	1	0	18.67	18.77	18.56	20.00
20	64QAM	1	49	18.62	18.78	18.65	20.00
20	64QAM	1	99	18.65	18.83	18.73	20.00
20	64QAM	50	0	17.55	17.63	17.44	19.00
20	64QAM	50	24	17.69	17.82	17.67	19.00
20	64QAM	50	50	17.62	17.71	17.55	19.00
20	64QAM	100	0	17.55	17.66	17.56	19.00
20	256QAM	1	0	15.65	15.78	15.61	17.00
20	256QAM	1	49	15.82	15.86	15.64	17.00
20	256QAM	1	99	15.71	15.78	15.58	17.00
20	256QAM	50	0	15.62	15.78	15.57	17.00
20	256QAM	50	24	15.58	15.65	15.52	17.00
20	256QAM	50	50	15.59	15.72	15.61	17.00
20	256QAM	100	0	15.52	15.63	15.50	17.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.69	20.83	20.65	22.00



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15	QPSK	1	37	20.42	20.62	20.48	22.00
15	QPSK	1	74	20.46	20.63	20.47	22.00
15	QPSK	36	0	19.82	19.89	19.81	21.00
15	QPSK	36	20	19.49	19.57	19.47	21.00
15	QPSK	36	39	19.59	19.82	19.50	21.00
15	QPSK	75	0	19.70	19.80	19.59	21.00
15	16QAM	1	0	19.52	19.55	19.52	21.00
15	16QAM	1	37	19.48	19.60	19.44	21.00
15	16QAM	1	74	19.60	19.73	19.47	21.00
15	16QAM	36	0	18.52	18.75	18.45	20.00
15	16QAM	36	20	18.45	18.60	18.47	20.00
15	16QAM	36	39	18.51	18.66	18.52	20.00
15	16QAM	75	0	18.51	18.61	18.33	20.00
15	64QAM	1	0	18.65	18.73	18.48	20.00
15	64QAM	1	37	18.52	18.72	18.55	20.00
15	64QAM	1	74	18.54	18.70	18.61	20.00
15	64QAM	36	0	17.51	17.53	17.41	19.00
15	64QAM	36	20	17.57	17.67	17.66	19.00
15	64QAM	36	39	17.47	17.69	17.51	19.00
15	64QAM	75	0	17.47	17.55	17.50	19.00
15	256QAM	1	0	15.52	15.71	15.60	17.00
15	256QAM	1	37	15.77	15.76	15.63	17.00
15	256QAM	1	74	15.60	15.65	15.56	17.00
15	256QAM	36	0	15.61	15.73	15.45	17.00
15	256QAM	36	20	15.45	15.51	15.49	17.00
15	256QAM	36	39	15.49	15.64	15.56	17.00
15	256QAM	75	0	15.49	15.59	15.43	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.79	20.78	20.69	22.00
10	QPSK	1	25	20.48	20.69	20.39	22.00
10	QPSK	1	49	20.46	20.60	20.47	22.00
10	QPSK	25	0	19.81	19.85	19.71	21.00
10	QPSK	25	12	19.43	19.63	19.43	21.00
10	QPSK	25	25	19.62	19.83	19.59	21.00
10	QPSK	50	0	19.68	19.82	19.58	21.00
10	16QAM	1	0	19.50	19.64	19.52	21.00
10	16QAM	1	25	19.56	19.61	19.40	21.00
10	16QAM	1	49	19.64	19.74	19.51	21.00
10	16QAM	25	0	18.50	18.64	18.43	20.00
10	16QAM	25	12	18.52	18.51	18.53	20.00
10	16QAM	25	25	18.53	18.77	18.52	20.00
10	16QAM	50	0	18.53	18.59	18.31	20.00
10	64QAM	1	0	18.65	18.75	18.45	20.00
10	64QAM	1	25	18.55	18.77	18.56	20.00
10	64QAM	1	49	18.60	18.71	18.68	20.00
10	64QAM	25	0	17.45	17.57	17.31	19.00
10	64QAM	25	12	17.66	17.70	17.54	19.00
10	64QAM	25	25	17.60	17.59	17.50	19.00
10	64QAM	50	0	17.40	17.61	17.51	19.00
10	256QAM	1	0	15.61	15.76	15.46	17.00
10	256QAM	1	25	15.73	15.73	15.54	17.00
10	256QAM	1	49	15.68	15.68	15.48	17.00
10	256QAM	25	0	15.51	15.75	15.53	17.00
10	256QAM	25	12	15.56	15.62	15.38	17.00
10	256QAM	25	25	15.46	15.64	15.57	17.00
10	256QAM	50	0	15.47	15.56	15.43	17.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.71	20.72	20.62	22.00
5	QPSK	1	12	20.54	20.67	20.36	22.00
5	QPSK	1	24	20.52	20.65	20.41	22.00
5	QPSK	12	0	19.79	19.90	19.74	21.00
5	QPSK	12	7	19.52	19.58	19.43	21.00
5	QPSK	12	13	19.61	19.78	19.58	21.00
5	QPSK	25	0	19.66	19.83	19.59	21.00
5	16QAM	1	0	19.55	19.63	19.48	21.00
5	16QAM	1	12	19.55	19.59	19.49	21.00
5	16QAM	1	24	19.59	19.74	19.49	21.00
5	16QAM	12	0	18.49	18.65	18.52	20.00
5	16QAM	12	7	18.50	18.54	18.50	20.00
5	16QAM	12	13	18.53	18.65	18.63	20.00
5	16QAM	25	0	18.47	18.57	18.34	20.00
5	64QAM	1	0	18.55	18.74	18.43	20.00
5	64QAM	1	12	18.49	18.70	18.62	20.00
5	64QAM	1	24	18.55	18.71	18.61	20.00
5	64QAM	12	0	17.42	17.53	17.34	19.00
5	64QAM	12	7	17.68	17.77	17.64	19.00



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5	64QAM	12	13	17.50	17.56	17.53	19.00
5	64QAM	25	0	17.51	17.53	17.50	19.00
5	256QAM	1	0	15.50	15.72	15.49	17.00
5	256QAM	1	12	15.71	15.76	15.53	17.00
5	256QAM	1	24	15.60	15.77	15.43	17.00
5	256QAM	12	0	15.58	15.76	15.54	17.00
5	256QAM	12	7	15.48	15.59	15.49	17.00
5	256QAM	12	13	15.45	15.70	15.56	17.00
5	256QAM	25	0	15.49	15.49	15.42	17.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.44	20.59	20.55	22.00
20	QPSK	1	49	20.18	20.35	20.29	22.00
20	QPSK	1	99	20.05	20.31	20.21	22.00
20	QPSK	50	0	19.58	19.61	19.53	21.00
20	QPSK	50	24	19.21	19.41	19.27	21.00
20	QPSK	50	50	19.33	19.59	19.48	21.00
20	QPSK	100	0	19.31	19.55	19.36	21.00
20	16QAM	1	0	19.36	19.55	19.43	21.00
20	16QAM	1	49	19.17	19.39	19.24	21.00
20	16QAM	1	99	19.25	19.50	19.37	21.00
20	16QAM	50	0	18.34	18.51	18.41	20.00
20	16QAM	50	24	18.20	18.42	18.37	20.00
20	16QAM	50	50	18.22	18.49	18.36	20.00
20	16QAM	100	0	18.29	18.44	18.38	20.00
20	64QAM	1	0	18.27	18.51	18.39	20.00
20	64QAM	1	49	18.30	18.55	18.40	20.00
20	64QAM	1	99	18.28	18.53	18.36	20.00
20	64QAM	50	0	17.43	17.60	17.47	19.00
20	64QAM	50	24	17.34	17.54	17.47	19.00
20	64QAM	50	50	17.17	17.44	17.27	19.00
20	64QAM	100	0	17.28	17.42	17.32	19.00
20	256QAM	1	0	15.22	15.42	15.32	17.00
20	256QAM	1	49	15.31	15.49	15.43	17.00
20	256QAM	1	99	15.24	15.42	15.33	17.00
20	256QAM	50	0	15.31	15.54	15.43	17.00
20	256QAM	50	24	15.26	15.39	15.25	17.00
20	256QAM	50	50	15.31	15.47	15.42	17.00
20	256QAM	100	0	15.46	15.59	15.46	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.37	20.45	20.49	22.00
15	QPSK	1	37	20.04	20.29	20.16	22.00
15	QPSK	1	74	20.02	20.18	20.09	22.00
15	QPSK	36	0	19.52	19.58	19.40	21.00
15	QPSK	36	20	19.14	19.35	19.16	21.00
15	QPSK	36	39	19.24	19.56	19.46	21.00
15	QPSK	75	0	19.23	19.48	19.35	21.00
15	16QAM	1	0	19.30	19.53	19.40	21.00
15	16QAM	1	37	19.15	19.32	19.14	21.00
15	16QAM	1	74	19.21	19.38	19.33	21.00
15	16QAM	36	0	18.21	18.48	18.39	20.00
15	16QAM	36	20	18.19	18.29	18.29	20.00
15	16QAM	36	39	18.08	18.38	18.32	20.00
15	16QAM	75	0	18.20	18.37	18.31	20.00
15	64QAM	1	0	18.14	18.46	18.28	20.00
15	64QAM	1	37	18.27	18.52	18.32	20.00
15	64QAM	1	74	18.17	18.48	18.22	20.00
15	64QAM	36	0	17.39	17.50	17.37	19.00
15	64QAM	36	20	17.27	17.52	17.39	19.00
15	64QAM	36	39	17.04	17.37	17.20	19.00
15	64QAM	75	0	17.20	17.39	17.17	19.00
15	256QAM	1	0	15.13	15.29	15.26	17.00
15	256QAM	1	37	15.16	15.47	15.36	17.00
15	256QAM	1	74	15.12	15.37	15.29	17.00
15	256QAM	36	0	15.27	15.47	15.35	17.00
15	256QAM	36	20	15.13	15.30	15.15	17.00
15	256QAM	36	39	15.17	15.35	15.34	17.00



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15	256QAM	75	0	15.38	15.55	15.44	17.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.41	20.57	20.40	22.00
10	QPSK	1	25	20.08	20.23	20.26	22.00
10	QPSK	1	49	20.00	20.23	20.19	22.00
10	QPSK	25	0	19.44	19.58	19.42	21.00
10	QPSK	25	12	19.14	19.29	19.13	21.00
10	QPSK	25	25	19.31	19.51	19.40	21.00
10	QPSK	50	0	19.18	19.47	19.27	21.00
10	16QAM	1	0	19.21	19.44	19.36	21.00
10	16QAM	1	25	19.06	19.34	19.10	21.00
10	16QAM	1	49	19.24	19.40	19.30	21.00
10	16QAM	25	0	18.29	18.42	18.37	20.00
10	16QAM	25	12	18.05	18.32	18.25	20.00
10	16QAM	25	25	18.09	18.34	18.28	20.00
10	16QAM	50	0	18.28	18.30	18.24	20.00
10	64QAM	1	0	18.21	18.48	18.37	20.00
10	64QAM	1	25	18.26	18.48	18.29	20.00
10	64QAM	1	49	18.19	18.43	18.29	20.00
10	64QAM	25	0	17.31	17.45	17.35	19.00
10	64QAM	25	12	17.26	17.51	17.44	19.00
10	64QAM	25	25	17.07	17.43	17.17	19.00
10	64QAM	50	0	17.16	17.39	17.19	19.00
10	256QAM	1	0	15.15	15.37	15.18	17.00
10	256QAM	1	25	15.27	15.40	15.39	17.00
10	256QAM	1	49	15.14	15.33	15.31	17.00
10	256QAM	25	0	15.17	15.49	15.31	17.00
10	256QAM	25	12	15.14	15.33	15.16	17.00
10	256QAM	25	25	15.28	15.35	15.31	17.00
10	256QAM	50	0	15.43	15.46	15.32	17.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.43	20.52	20.49	22.00
5	QPSK	1	12	20.05	20.22	20.14	22.00
5	QPSK	1	24	20.01	20.27	20.19	22.00
5	QPSK	12	0	19.51	19.54	19.39	21.00
5	QPSK	12	7	19.15	19.37	19.13	21.00
5	QPSK	12	13	19.19	19.57	19.37	21.00
5	QPSK	25	0	19.22	19.46	19.27	21.00
5	16QAM	1	0	19.26	19.50	19.42	21.00
5	16QAM	1	12	19.11	19.37	19.09	21.00
5	16QAM	1	24	19.17	19.47	19.36	21.00
5	16QAM	12	0	18.21	18.49	18.27	20.00
5	16QAM	12	7	18.05	18.32	18.35	20.00
5	16QAM	12	13	18.15	18.38	18.28	20.00
5	16QAM	25	0	18.19	18.34	18.25	20.00
5	64QAM	1	0	18.24	18.43	18.37	20.00
5	64QAM	1	12	18.22	18.49	18.32	20.00
5	64QAM	1	24	18.13	18.49	18.32	20.00
5	64QAM	12	0	17.41	17.58	17.33	19.00
5	64QAM	12	7	17.20	17.40	17.33	19.00
5	64QAM	12	13	17.10	17.30	17.15	19.00
5	64QAM	25	0	17.19	17.37	17.18	19.00
5	256QAM	1	0	15.14	15.35	15.27	17.00
5	256QAM	1	12	15.18	15.38	15.35	17.00
5	256QAM	1	24	15.23	15.28	15.25	17.00
5	256QAM	12	0	15.16	15.45	15.30	17.00
5	256QAM	12	7	15.18	15.38	15.23	17.00
5	256QAM	12	13	15.17	15.46	15.40	17.00
5	256QAM	25	0	15.32	15.44	15.31	17.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.82	20.85	20.76	22.00
20	QPSK	1	49	20.55	20.71	20.50	22.00
20	QPSK	1	99	20.59	20.74	20.54	22.00
20	QPSK	50	0	19.88	19.92	19.83	21.00
20	QPSK	50	24	19.58	19.68	19.50	21.00



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20	QPSK	50	50	19.69	19.84	19.64	21.00
20	QPSK	100	0	19.81	19.89	19.69	21.00
20	16QAM	1	0	19.60	19.67	19.57	21.00
20	16QAM	1	49	19.59	19.72	19.55	21.00
20	16QAM	1	99	19.67	19.78	19.58	21.00
20	16QAM	50	0	18.63	18.76	18.54	20.00
20	16QAM	50	24	18.55	18.65	18.55	20.00
20	16QAM	50	50	18.63	18.78	18.66	20.00
20	16QAM	100	0	18.58	18.66	18.44	20.00
20	64QAM	1	0	18.67	18.77	18.56	20.00
20	64QAM	1	49	18.62	18.78	18.65	20.00
20	64QAM	1	99	18.65	18.83	18.73	20.00
20	64QAM	50	0	17.55	17.63	17.44	19.00
20	64QAM	50	24	17.69	17.82	17.67	19.00
20	64QAM	50	50	17.62	17.71	17.55	19.00
20	64QAM	100	0	17.55	17.66	17.56	19.00
20	256QAM	1	0	15.65	15.78	15.61	17.00
20	256QAM	1	49	15.82	15.86	15.64	17.00
20	256QAM	1	99	15.71	15.78	15.58	17.00
20	256QAM	50	0	15.62	15.78	15.57	17.00
20	256QAM	50	24	15.58	15.65	15.52	17.00
20	256QAM	50	50	15.59	15.72	15.61	17.00
20	256QAM	100	0	15.52	15.63	15.50	17.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	20.69	20.83	20.65	22.00
15	QPSK	1	37	20.42	20.62	20.48	22.00
15	QPSK	1	74	20.46	20.63	20.47	22.00
15	QPSK	36	0	19.82	19.89	19.81	21.00
15	QPSK	36	20	19.49	19.57	19.47	21.00
15	QPSK	36	39	19.59	19.82	19.50	21.00
15	QPSK	75	0	19.70	19.80	19.59	21.00
15	16QAM	1	0	19.52	19.55	19.52	21.00
15	16QAM	1	37	19.48	19.60	19.44	21.00
15	16QAM	1	74	19.60	19.73	19.47	21.00
15	16QAM	36	0	18.52	18.75	18.45	20.00
15	16QAM	36	20	18.45	18.60	18.47	20.00
15	16QAM	36	39	18.51	18.66	18.52	20.00
15	16QAM	75	0	18.51	18.61	18.33	20.00
15	64QAM	1	0	18.65	18.73	18.48	20.00
15	64QAM	1	37	18.52	18.72	18.55	20.00
15	64QAM	1	74	18.54	18.70	18.61	20.00
15	64QAM	36	0	17.51	17.53	17.41	19.00
15	64QAM	36	20	17.57	17.67	17.66	19.00
15	64QAM	36	39	17.47	17.69	17.51	19.00
15	64QAM	75	0	17.47	17.55	17.50	19.00
15	256QAM	1	0	15.52	15.71	15.60	17.00
15	256QAM	1	37	15.77	15.76	15.63	17.00
15	256QAM	1	74	15.60	15.65	15.56	17.00
15	256QAM	36	0	15.61	15.73	15.45	17.00
15	256QAM	36	20	15.45	15.51	15.49	17.00
15	256QAM	36	39	15.49	15.64	15.56	17.00
15	256QAM	75	0	15.49	15.59	15.43	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.79	20.78	20.69	22.00
10	QPSK	1	25	20.48	20.69	20.39	22.00
10	QPSK	1	49	20.46	20.60	20.47	22.00
10	QPSK	25	0	19.81	19.85	19.71	21.00
10	QPSK	25	12	19.43	19.63	19.43	21.00
10	QPSK	25	25	19.62	19.83	19.59	21.00
10	QPSK	50	0	19.68	19.82	19.58	21.00
10	16QAM	1	0	19.50	19.64	19.52	21.00
10	16QAM	1	25	19.56	19.61	19.40	21.00
10	16QAM	1	49	19.64	19.74	19.51	21.00
10	16QAM	25	0	18.50	18.64	18.43	20.00
10	16QAM	25	12	18.52	18.51	18.53	20.00
10	16QAM	25	25	18.53	18.77	18.52	20.00
10	16QAM	50	0	18.53	18.59	18.31	20.00
10	64QAM	1	0	18.65	18.75	18.45	20.00
10	64QAM	1	25	18.55	18.77	18.56	20.00
10	64QAM	1	49	18.60	18.71	18.68	20.00
10	64QAM	25	0	17.45	17.57	17.31	19.00
10	64QAM	25	12	17.66	17.70	17.54	19.00
10	64QAM	25	25	17.60	17.59	17.50	19.00
10	64QAM	50	0	17.40	17.61	17.51	19.00
10	256QAM	1	0	15.61	15.76	15.46	17.00
10	256QAM	1	25	15.73	15.73	15.54	17.00



10	256QAM	1	49	15.68	15.68	15.48	17.00
10	256QAM	25	0	15.51	15.75	15.53	17.00
10	256QAM	25	12	15.56	15.62	15.38	17.00
10	256QAM	25	25	15.46	15.64	15.57	17.00
10	256QAM	50	0	15.47	15.56	15.43	17.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	20.71	20.72	20.62	22.00
5	QPSK	1	12	20.54	20.67	20.36	22.00
5	QPSK	1	24	20.52	20.65	20.41	22.00
5	QPSK	12	0	19.79	19.90	19.74	21.00
5	QPSK	12	7	19.52	19.58	19.43	21.00
5	QPSK	12	13	19.61	19.78	19.58	21.00
5	QPSK	25	0	19.66	19.83	19.59	21.00
5	16QAM	1	0	19.55	19.63	19.48	21.00
5	16QAM	1	12	19.55	19.59	19.49	21.00
5	16QAM	1	24	19.59	19.74	19.49	21.00
5	16QAM	12	0	18.49	18.65	18.52	20.00
5	16QAM	12	7	18.50	18.54	18.50	20.00
5	16QAM	12	13	18.53	18.65	18.63	20.00
5	16QAM	25	0	18.47	18.57	18.34	20.00
5	64QAM	1	0	18.55	18.74	18.43	20.00
5	64QAM	1	12	18.49	18.70	18.62	20.00
5	64QAM	1	24	18.55	18.71	18.61	20.00
5	64QAM	12	0	17.42	17.53	17.34	19.00
5	64QAM	12	7	17.68	17.77	17.64	19.00
5	64QAM	12	13	17.50	17.56	17.53	19.00
5	64QAM	25	0	17.51	17.53	17.50	19.00
5	256QAM	1	0	15.50	15.72	15.49	17.00
5	256QAM	1	12	15.71	15.76	15.53	17.00
5	256QAM	1	24	15.60	15.77	15.43	17.00
5	256QAM	12	0	15.58	15.76	15.54	17.00
5	256QAM	12	7	15.48	15.59	15.49	17.00
5	256QAM	12	13	15.45	15.70	15.56	17.00
5	256QAM	25	0	15.49	15.49	15.42	17.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.44	20.59	20.55	22.00
20	QPSK	1	49	20.18	20.35	20.29	22.00
20	QPSK	1	99	20.05	20.31	20.21	22.00
20	QPSK	50	0	19.58	19.61	19.53	21.00
20	QPSK	50	24	19.21	19.41	19.27	21.00
20	QPSK	50	50	19.33	19.59	19.48	21.00
20	QPSK	100	0	19.31	19.55	19.36	21.00
20	16QAM	1	0	19.36	19.55	19.43	21.00
20	16QAM	1	49	19.17	19.39	19.24	21.00
20	16QAM	1	99	19.25	19.50	19.37	21.00
20	16QAM	50	0	18.34	18.51	18.41	20.00
20	16QAM	50	24	18.20	18.42	18.37	20.00
20	16QAM	50	50	18.22	18.49	18.36	20.00
20	16QAM	100	0	18.29	18.44	18.38	20.00
20	64QAM	1	0	18.27	18.51	18.39	20.00
20	64QAM	1	49	18.30	18.55	18.40	20.00
20	64QAM	1	99	18.28	18.53	18.36	20.00
20	64QAM	50	0	17.43	17.60	17.47	19.00
20	64QAM	50	24	17.34	17.54	17.47	19.00
20	64QAM	50	50	17.17	17.44	17.27	19.00
20	64QAM	100	0	17.28	17.42	17.32	19.00
20	256QAM	1	0	15.22	15.42	15.32	17.00
20	256QAM	1	49	15.31	15.49	15.43	17.00
20	256QAM	1	99	15.24	15.42	15.33	17.00
20	256QAM	50	0	15.31	15.54	15.43	17.00
20	256QAM	50	24	15.26	15.39	15.25	17.00
20	256QAM	50	50	15.31	15.47	15.42	17.00
20	256QAM	100	0	15.46	15.59	15.46	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.37	20.45	20.49	22.00



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15	QPSK	1	37	20.04	20.29	20.16	22.00
15	QPSK	1	74	20.02	20.18	20.09	22.00
15	QPSK	36	0	19.52	19.58	19.40	21.00
15	QPSK	36	20	19.14	19.35	19.16	21.00
15	QPSK	36	39	19.24	19.56	19.46	21.00
15	QPSK	75	0	19.23	19.48	19.35	21.00
15	16QAM	1	0	19.30	19.53	19.40	21.00
15	16QAM	1	37	19.15	19.32	19.14	21.00
15	16QAM	1	74	19.21	19.38	19.33	21.00
15	16QAM	36	0	18.21	18.48	18.39	20.00
15	16QAM	36	20	18.19	18.29	18.29	20.00
15	16QAM	36	39	18.08	18.38	18.32	20.00
15	16QAM	75	0	18.20	18.37	18.31	20.00
15	64QAM	1	0	18.14	18.46	18.28	20.00
15	64QAM	1	37	18.27	18.52	18.32	20.00
15	64QAM	1	74	18.17	18.48	18.22	20.00
15	64QAM	36	0	17.39	17.50	17.37	19.00
15	64QAM	36	20	17.27	17.52	17.39	19.00
15	64QAM	36	39	17.04	17.37	17.20	19.00
15	64QAM	75	0	17.20	17.39	17.17	19.00
15	256QAM	1	0	15.13	15.29	15.26	17.00
15	256QAM	1	37	15.16	15.47	15.36	17.00
15	256QAM	1	74	15.12	15.37	15.29	17.00
15	256QAM	36	0	15.27	15.47	15.35	17.00
15	256QAM	36	20	15.13	15.30	15.15	17.00
15	256QAM	36	39	15.17	15.35	15.34	17.00
15	256QAM	75	0	15.38	15.55	15.44	17.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.41	20.57	20.40	22.00
10	QPSK	1	25	20.08	20.23	20.26	22.00
10	QPSK	1	49	20.00	20.23	20.19	22.00
10	QPSK	25	0	19.44	19.58	19.42	21.00
10	QPSK	25	12	19.14	19.29	19.13	21.00
10	QPSK	25	25	19.31	19.51	19.40	21.00
10	QPSK	50	0	19.18	19.47	19.27	21.00
10	16QAM	1	0	19.21	19.44	19.36	21.00
10	16QAM	1	25	19.06	19.34	19.10	21.00
10	16QAM	1	49	19.24	19.40	19.30	21.00
10	16QAM	25	0	18.29	18.42	18.37	20.00
10	16QAM	25	12	18.05	18.32	18.25	20.00
10	16QAM	25	25	18.09	18.34	18.28	20.00
10	16QAM	50	0	18.28	18.30	18.24	20.00
10	64QAM	1	0	18.21	18.48	18.37	20.00
10	64QAM	1	25	18.26	18.48	18.29	20.00
10	64QAM	1	49	18.19	18.43	18.29	20.00
10	64QAM	25	0	17.31	17.45	17.35	19.00
10	64QAM	25	12	17.26	17.51	17.44	19.00
10	64QAM	25	25	17.07	17.43	17.17	19.00
10	64QAM	50	0	17.16	17.39	17.19	19.00
10	256QAM	1	0	15.15	15.37	15.18	17.00
10	256QAM	1	25	15.27	15.40	15.39	17.00
10	256QAM	1	49	15.14	15.33	15.31	17.00
10	256QAM	25	0	15.17	15.49	15.31	17.00
10	256QAM	25	12	15.14	15.33	15.16	17.00
10	256QAM	25	25	15.28	15.35	15.31	17.00
10	256QAM	50	0	15.43	15.46	15.32	17.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.43	20.52	20.49	22.00
5	QPSK	1	12	20.05	20.22	20.14	22.00
5	QPSK	1	24	20.01	20.27	20.19	22.00
5	QPSK	12	0	19.51	19.54	19.39	21.00
5	QPSK	12	7	19.15	19.37	19.13	21.00
5	QPSK	12	13	19.19	19.57	19.37	21.00
5	QPSK	25	0	19.22	19.46	19.27	21.00
5	16QAM	1	0	19.26	19.50	19.42	21.00
5	16QAM	1	12	19.11	19.37	19.09	21.00
5	16QAM	1	24	19.17	19.47	19.36	21.00
5	16QAM	12	0	18.21	18.49	18.27	20.00
5	16QAM	12	7	18.05	18.32	18.35	20.00
5	16QAM	12	13	18.15	18.38	18.28	20.00
5	16QAM	25	0	18.19	18.34	18.25	20.00
5	64QAM	1	0	18.24	18.43	18.37	20.00
5	64QAM	1	12	18.22	18.49	18.32	20.00
5	64QAM	1	24	18.13	18.49	18.32	20.00
5	64QAM	12	0	17.41	17.58	17.33	19.00
5	64QAM	12	7	17.20	17.40	17.33	19.00



5	64QAM	12	13	17.10	17.30	17.15	19.00
5	64QAM	25	0	17.19	17.37	17.18	19.00
5	256QAM	1	0	15.14	15.35	15.27	17.00
5	256QAM	1	12	15.18	15.38	15.35	17.00
5	256QAM	1	24	15.23	15.28	15.25	17.00
5	256QAM	12	0	15.16	15.45	15.30	17.00
5	256QAM	12	7	15.18	15.38	15.23	17.00
5	256QAM	12	13	15.17	15.46	15.40	17.00
5	256QAM	25	0	15.32	15.44	15.31	17.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	19.68	19.71	19.66	20.50
20	QPSK	1	49	19.39	19.52	19.36	20.50
20	QPSK	1	99	19.34	19.49	19.39	20.50
20	QPSK	50	0	19.57	19.60	19.52	20.50
20	QPSK	50	24	19.43	19.59	19.42	20.50
20	QPSK	50	50	19.31	19.48	19.31	20.50
20	QPSK	100	0	19.40	19.49	19.45	20.50
20	16QAM	1	0	19.31	19.47	19.36	20.50
20	16QAM	1	49	19.44	19.50	19.37	20.50
20	16QAM	1	99	19.45	19.57	19.42	20.50
20	16QAM	50	0	18.36	18.48	18.42	20.00
20	16QAM	50	24	18.49	18.56	18.48	20.00
20	16QAM	50	50	18.46	18.51	18.38	20.00
20	16QAM	100	0	18.54	18.59	18.48	20.00
20	64QAM	1	0	18.47	18.59	18.46	20.00
20	64QAM	1	49	18.37	18.54	18.39	20.00
20	64QAM	1	99	18.27	18.43	18.32	20.00
20	64QAM	50	0	17.35	17.52	17.33	19.00
20	64QAM	50	24	17.34	17.49	17.30	19.00
20	64QAM	50	50	17.41	17.53	17.47	19.00
20	64QAM	100	0	17.47	17.59	17.46	19.00
20	256QAM	1	0	15.36	15.49	15.35	17.00
20	256QAM	1	49	15.48	15.52	15.43	17.00
20	256QAM	1	99	15.35	15.51	15.42	17.00
20	256QAM	50	0	15.50	15.54	15.36	17.00
20	256QAM	50	24	15.42	15.59	15.51	17.00
20	256QAM	50	50	15.39	15.43	15.25	17.00
20	256QAM	100	0	15.32	15.49	15.43	17.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	19.67	19.61	19.54	20.50
15	QPSK	1	37	19.26	19.50	19.28	20.50
15	QPSK	1	74	19.24	19.43	19.33	20.50
15	QPSK	36	0	19.48	19.52	19.51	20.50
15	QPSK	36	20	19.40	19.47	19.39	20.50
15	QPSK	36	39	19.26	19.42	19.23	20.50
15	QPSK	75	0	19.31	19.37	19.33	20.50
15	16QAM	1	0	19.21	19.37	19.29	20.50
15	16QAM	1	37	19.35	19.39	19.33	20.50
15	16QAM	1	74	19.32	19.54	19.35	20.50
15	16QAM	36	0	18.25	18.44	18.38	20.00
15	16QAM	36	20	18.39	18.44	18.35	20.00
15	16QAM	36	39	18.31	18.47	18.27	20.00
15	16QAM	75	0	18.45	18.44	18.46	20.00
15	64QAM	1	0	18.37	18.50	18.43	20.00
15	64QAM	1	37	18.32	18.43	18.35	20.00
15	64QAM	1	74	18.17	18.36	18.18	20.00
15	64QAM	36	0	17.32	17.41	17.19	19.00
15	64QAM	36	20	17.31	17.39	17.23	19.00
15	64QAM	36	39	17.35	17.44	17.36	19.00
15	64QAM	75	0	17.37	17.53	17.34	19.00
15	256QAM	1	0	15.33	15.36	15.24	17.00
15	256QAM	1	37	15.42	15.40	15.40	17.00
15	256QAM	1	74	15.22	15.37	15.30	17.00
15	256QAM	36	0	15.41	15.52	15.25	17.00
15	256QAM	36	20	15.32	15.54	15.46	17.00
15	256QAM	36	39	15.30	15.38	15.16	17.00



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15	256QAM	75	0	15.28	15.35	15.37	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	19.55	19.57	19.53	20.50
10	QPSK	1	25	19.33	19.39	19.35	20.50
10	QPSK	1	49	19.23	19.37	19.25	20.50
10	QPSK	25	0	19.54	19.48	19.47	20.50
10	QPSK	25	12	19.29	19.46	19.27	20.50
10	QPSK	25	25	19.28	19.41	19.23	20.50
10	QPSK	50	0	19.35	19.34	19.42	20.50
10	16QAM	1	0	19.20	19.45	19.29	20.50
10	16QAM	1	25	19.39	19.47	19.28	20.50
10	16QAM	1	49	19.40	19.46	19.40	20.50
10	16QAM	25	0	18.34	18.38	18.40	20.00
10	16QAM	25	12	18.40	18.51	18.45	20.00
10	16QAM	25	25	18.40	18.49	18.28	20.00
10	16QAM	50	0	18.52	18.47	18.34	20.00
10	64QAM	1	0	18.35	18.55	18.32	20.00
10	64QAM	1	25	18.33	18.40	18.29	20.00
10	64QAM	1	49	18.22	18.39	18.29	20.00
10	64QAM	25	0	17.23	17.51	17.29	19.00
10	64QAM	25	12	17.32	17.39	17.27	19.00
10	64QAM	25	25	17.32	17.41	17.35	19.00
10	64QAM	50	0	17.43	17.56	17.34	19.00
10	256QAM	1	0	15.30	15.48	15.27	17.00
10	256QAM	1	25	15.47	15.50	15.35	17.00
10	256QAM	1	49	15.24	15.43	15.36	17.00
10	256QAM	25	0	15.45	15.39	15.22	17.00
10	256QAM	25	12	15.28	15.57	15.38	17.00
10	256QAM	25	25	15.32	15.33	15.17	17.00
10	256QAM	50	0	15.30	15.40	15.40	17.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	19.59	19.61	19.58	20.50
5	QPSK	1	12	19.29	19.51	19.27	20.50
5	QPSK	1	24	19.29	19.48	19.38	20.50
5	QPSK	12	0	19.47	19.48	19.47	20.50
5	QPSK	12	7	19.37	19.57	19.33	20.50
5	QPSK	12	13	19.22	19.41	19.28	20.50
5	QPSK	25	0	19.33	19.46	19.42	20.50
5	16QAM	1	0	19.28	19.36	19.32	20.50
5	16QAM	1	12	19.30	19.37	19.32	20.50
5	16QAM	1	24	19.33	19.46	19.28	20.50
5	16QAM	12	0	18.25	18.43	18.35	20.00
5	16QAM	12	7	18.39	18.54	18.46	20.00
5	16QAM	12	13	18.35	18.47	18.25	20.00
5	16QAM	25	0	18.39	18.58	18.41	20.00
5	64QAM	1	0	18.37	18.47	18.44	20.00
5	64QAM	1	12	18.27	18.51	18.30	20.00
5	64QAM	1	24	18.21	18.33	18.20	20.00
5	64QAM	12	0	17.22	17.44	17.23	19.00
5	64QAM	12	7	17.21	17.38	17.26	19.00
5	64QAM	12	13	17.32	17.42	17.42	19.00
5	64QAM	25	0	17.36	17.47	17.41	19.00
5	256QAM	1	0	15.28	15.36	15.21	17.00
5	256QAM	1	12	15.35	15.40	15.40	17.00
5	256QAM	1	24	15.32	15.46	15.28	17.00
5	256QAM	12	0	15.42	15.51	15.31	17.00
5	256QAM	12	7	15.41	15.53	15.48	17.00
5	256QAM	12	13	15.31	15.39	15.12	17.00
5	256QAM	25	0	15.19	15.46	15.29	17.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	19.62	19.68	19.64	20.50
20	QPSK	1	49	19.30	19.39	19.31	20.50
20	QPSK	1	99	19.21	19.39	19.27	20.50
20	QPSK	50	0	19.52	19.60	19.54	20.50
20	QPSK	50	24	19.34	19.52	19.41	20.50
20	QPSK	50	50	19.50	19.58	19.50	20.50
20	QPSK	100	0	19.32	19.37	19.35	20.50
20	16QAM	1	0	19.28	19.42	19.26	20.50
20	16QAM	1	49	19.39	19.50	19.32	20.50
20	16QAM	1	99	19.43	19.55	19.49	20.50
20	16QAM	50	0	18.35	18.44	18.29	20.00
20	16QAM	50	24	18.23	18.37	18.22	20.00
20	16QAM	50	50	18.23	18.37	18.29	20.00
20	16QAM	100	0	18.40	18.51	18.35	20.00
20	64QAM	1	0	18.30	18.46	18.36	20.00
20	64QAM	1	49	18.48	18.56	18.45	20.00
20	64QAM	1	99	18.49	18.60	18.47	20.00
20	64QAM	50	0	17.31	17.38	17.29	19.00
20	64QAM	50	24	17.37	17.51	17.38	19.00
20	64QAM	50	50	17.40	17.48	17.30	19.00
20	64QAM	100	0	17.46	17.57	17.41	19.00
20	256QAM	1	0	15.44	15.56	15.51	17.00
20	256QAM	1	49	15.44	15.54	15.43	17.00
20	256QAM	1	99	15.34	15.48	15.44	17.00
20	256QAM	50	0	15.37	15.53	15.45	17.00
20	256QAM	50	24	15.35	15.47	15.40	17.00
20	256QAM	50	50	15.25	15.39	15.25	17.00
20	256QAM	100	0	15.39	15.50	15.43	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	19.59	19.64	19.58	20.50
15	QPSK	1	37	19.20	19.37	19.29	20.50
15	QPSK	1	74	19.07	19.34	19.24	20.50
15	QPSK	36	0	19.38	19.58	19.40	20.50
15	QPSK	36	20	19.22	19.39	19.38	20.50
15	QPSK	36	39	19.42	19.49	19.46	20.50
15	QPSK	75	0	19.25	19.30	19.30	20.50
15	16QAM	1	0	19.15	19.29	19.18	20.50
15	16QAM	1	37	19.35	19.48	19.17	20.50
15	16QAM	1	74	19.31	19.45	19.41	20.50
15	16QAM	36	0	18.25	18.35	18.24	20.00
15	16QAM	36	20	18.17	18.34	18.12	20.00
15	16QAM	36	39	18.21	18.29	18.24	20.00
15	16QAM	75	0	18.30	18.45	18.22	20.00
15	64QAM	1	0	18.21	18.39	18.32	20.00
15	64QAM	1	37	18.37	18.49	18.32	20.00
15	64QAM	1	74	18.41	18.52	18.40	20.00
15	64QAM	36	0	17.20	17.26	17.25	19.00
15	64QAM	36	20	17.24	17.45	17.23	19.00
15	64QAM	36	39	17.26	17.34	17.22	19.00
15	64QAM	75	0	17.44	17.48	17.36	19.00
15	256QAM	1	0	15.39	15.54	15.43	17.00
15	256QAM	1	37	15.31	15.46	15.32	17.00
15	256QAM	1	74	15.27	15.44	15.36	17.00
15	256QAM	36	0	15.26	15.47	15.44	17.00
15	256QAM	36	20	15.30	15.43	15.39	17.00
15	256QAM	36	39	15.15	15.36	15.14	17.00
15	256QAM	75	0	15.32	15.45	15.28	17.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	19.49	19.58	19.58	20.50
10	QPSK	1	25	19.18	19.36	19.25	20.50
10	QPSK	1	49	19.09	19.34	19.24	20.50
10	QPSK	25	0	19.41	19.47	19.50	20.50
10	QPSK	25	12	19.23	19.43	19.31	20.50
10	QPSK	25	25	19.43	19.53	19.45	20.50
10	QPSK	50	0	19.18	19.35	19.28	20.50
10	16QAM	1	0	19.25	19.35	19.22	20.50
10	16QAM	1	25	19.32	19.47	19.23	20.50
10	16QAM	1	49	19.31	19.47	19.38	20.50
10	16QAM	25	0	18.20	18.40	18.25	20.00



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10	16QAM	25	12	18.15	18.24	18.18	20.00
10	16QAM	25	25	18.21	18.23	18.23	20.00
10	16QAM	50	0	18.34	18.38	18.30	20.00
10	64QAM	1	0	18.25	18.35	18.29	20.00
10	64QAM	1	25	18.44	18.43	18.39	20.00
10	64QAM	1	49	18.47	18.46	18.36	20.00
10	64QAM	25	0	17.25	17.27	17.26	19.00
10	64QAM	25	12	17.26	17.39	17.28	19.00
10	64QAM	25	25	17.35	17.43	17.29	19.00
10	64QAM	50	0	17.33	17.49	17.31	19.00
10	256QAM	1	0	15.37	15.41	15.36	17.00
10	256QAM	1	25	15.36	15.42	15.37	17.00
10	256QAM	1	49	15.21	15.38	15.34	17.00
10	256QAM	25	0	15.34	15.50	15.33	17.00
10	256QAM	25	12	15.23	15.34	15.35	17.00
10	256QAM	25	25	15.13	15.30	15.13	17.00
10	256QAM	50	0	15.31	15.47	15.31	17.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	19.59	19.53	19.58	20.50
5	QPSK	1	12	19.20	19.36	19.24	20.50
5	QPSK	1	24	19.13	19.27	19.22	20.50
5	QPSK	12	0	19.37	19.53	19.52	20.50
5	QPSK	12	7	19.27	19.43	19.33	20.50
5	QPSK	12	13	19.45	19.51	19.48	20.50
5	QPSK	25	0	19.29	19.31	19.33	20.50
5	16QAM	1	0	19.14	19.29	19.18	20.50
5	16QAM	1	12	19.33	19.35	19.27	20.50
5	16QAM	1	24	19.33	19.52	19.36	20.50
5	16QAM	12	0	18.20	18.37	18.19	20.00
5	16QAM	12	7	18.15	18.28	18.15	20.00
5	16QAM	12	13	18.13	18.24	18.16	20.00
5	16QAM	25	0	18.35	18.48	18.31	20.00
5	64QAM	1	0	18.23	18.38	18.24	20.00
5	64QAM	1	12	18.45	18.43	18.38	20.00
5	64QAM	1	24	18.44	18.47	18.33	20.00
5	64QAM	12	0	17.21	17.33	17.25	19.00
5	64QAM	12	7	17.32	17.49	17.24	19.00
5	64QAM	12	13	17.28	17.43	17.28	19.00
5	64QAM	25	0	17.42	17.53	17.28	19.00
5	256QAM	1	0	15.38	15.55	15.50	17.00
5	256QAM	1	12	15.29	15.44	15.39	17.00
5	256QAM	1	24	15.28	15.41	15.39	17.00
5	256QAM	12	0	15.36	15.40	15.42	17.00
5	256QAM	12	7	15.31	15.38	15.29	17.00
5	256QAM	12	13	15.20	15.28	15.23	17.00
5	256QAM	25	0	15.33	15.41	15.29	17.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.82	20.85	20.76	22.00
20	QPSK	1	49	20.55	20.71	20.50	22.00
20	QPSK	1	99	20.59	20.74	20.54	22.00
20	QPSK	50	0	19.88	19.92	19.83	21.00
20	QPSK	50	24	19.58	19.68	19.50	21.00
20	QPSK	50	50	19.69	19.84	19.64	21.00
20	QPSK	100	0	19.81	19.89	19.69	21.00
20	16QAM	1	0	19.60	19.67	19.57	21.00
20	16QAM	1	49	19.59	19.72	19.55	21.00
20	16QAM	1	99	19.67	19.78	19.58	21.00
20	16QAM	50	0	18.63	18.76	18.54	20.00
20	16QAM	50	24	18.55	18.65	18.55	20.00
20	16QAM	50	50	18.63	18.78	18.66	20.00
20	16QAM	100	0	18.58	18.66	18.44	20.00
20	64QAM	1	0	18.67	18.77	18.56	20.00
20	64QAM	1	49	18.62	18.78	18.65	20.00
20	64QAM	1	99	18.65	18.83	18.73	20.00
20	64QAM	50	0	17.55	17.63	17.44	19.00
20	64QAM	50	24	17.69	17.82	17.67	19.00



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20	64QAM	50	50	17.62	17.71	17.55	19.00
20	64QAM	100	0	17.55	17.66	17.56	19.00
20	256QAM	1	0	15.65	15.78	15.61	17.00
20	256QAM	1	49	15.82	15.86	15.64	17.00
20	256QAM	1	99	15.71	15.78	15.58	17.00
20	256QAM	50	0	15.62	15.78	15.57	17.00
20	256QAM	50	24	15.58	15.65	15.52	17.00
20	256QAM	50	50	15.59	15.72	15.61	17.00
20	256QAM	100	0	15.52	15.63	15.50	17.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	20.69	20.83	20.65	22.00
15	QPSK	1	37	20.42	20.62	20.48	22.00
15	QPSK	1	74	20.46	20.63	20.47	22.00
15	QPSK	36	0	19.82	19.89	19.81	21.00
15	QPSK	36	20	19.49	19.57	19.47	21.00
15	QPSK	36	39	19.59	19.82	19.50	21.00
15	QPSK	75	0	19.70	19.80	19.59	21.00
15	16QAM	1	0	19.52	19.55	19.52	21.00
15	16QAM	1	37	19.48	19.60	19.44	21.00
15	16QAM	1	74	19.60	19.73	19.47	21.00
15	16QAM	36	0	18.52	18.75	18.45	20.00
15	16QAM	36	20	18.45	18.60	18.47	20.00
15	16QAM	36	39	18.51	18.66	18.52	20.00
15	16QAM	75	0	18.51	18.61	18.33	20.00
15	64QAM	1	0	18.65	18.73	18.48	20.00
15	64QAM	1	37	18.52	18.72	18.55	20.00
15	64QAM	1	74	18.54	18.70	18.61	20.00
15	64QAM	36	0	17.51	17.53	17.41	19.00
15	64QAM	36	20	17.57	17.67	17.66	19.00
15	64QAM	36	39	17.47	17.69	17.51	19.00
15	64QAM	75	0	17.47	17.55	17.50	19.00
15	256QAM	1	0	15.52	15.71	15.60	17.00
15	256QAM	1	37	15.77	15.76	15.63	17.00
15	256QAM	1	74	15.60	15.65	15.56	17.00
15	256QAM	36	0	15.61	15.73	15.45	17.00
15	256QAM	36	20	15.45	15.51	15.49	17.00
15	256QAM	36	39	15.49	15.64	15.56	17.00
15	256QAM	75	0	15.49	15.59	15.43	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.79	20.78	20.69	22.00
10	QPSK	1	25	20.48	20.69	20.39	22.00
10	QPSK	1	49	20.46	20.60	20.47	22.00
10	QPSK	25	0	19.81	19.85	19.71	21.00
10	QPSK	25	12	19.43	19.63	19.43	21.00
10	QPSK	25	25	19.62	19.83	19.59	21.00
10	QPSK	50	0	19.68	19.82	19.58	21.00
10	16QAM	1	0	19.50	19.64	19.52	21.00
10	16QAM	1	25	19.56	19.61	19.40	21.00
10	16QAM	1	49	19.64	19.74	19.51	21.00
10	16QAM	25	0	18.50	18.64	18.43	20.00
10	16QAM	25	12	18.52	18.51	18.53	20.00
10	16QAM	25	25	18.53	18.77	18.52	20.00
10	16QAM	50	0	18.53	18.59	18.31	20.00
10	64QAM	1	0	18.65	18.75	18.45	20.00
10	64QAM	1	25	18.55	18.77	18.56	20.00
10	64QAM	1	49	18.60	18.71	18.68	20.00
10	64QAM	25	0	17.45	17.57	17.31	19.00
10	64QAM	25	12	17.66	17.70	17.54	19.00
10	64QAM	25	25	17.60	17.59	17.50	19.00
10	64QAM	50	0	17.40	17.61	17.51	19.00
10	256QAM	1	0	15.61	15.76	15.46	17.00
10	256QAM	1	25	15.73	15.73	15.54	17.00
10	256QAM	1	49	15.68	15.68	15.48	17.00
10	256QAM	25	0	15.51	15.75	15.53	17.00
10	256QAM	25	12	15.56	15.62	15.38	17.00
10	256QAM	25	25	15.46	15.64	15.57	17.00
10	256QAM	50	0	15.47	15.56	15.43	17.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.71	20.72	20.62	22.00
5	QPSK	1	12	20.54	20.67	20.36	22.00
5	QPSK	1	24	20.52	20.65	20.41	22.00
5	QPSK	12	0	19.79	19.90	19.74	21.00
5	QPSK	12	7	19.52	19.58	19.43	21.00
5	QPSK	12	13	19.61	19.78	19.58	21.00
5	QPSK	25	0	19.66	19.83	19.59	21.00



5	16QAM	1	0	19.55	19.63	19.48	21.00
5	16QAM	1	12	19.55	19.59	19.49	21.00
5	16QAM	1	24	19.59	19.74	19.49	21.00
5	16QAM	12	0	18.49	18.65	18.52	20.00
5	16QAM	12	7	18.50	18.54	18.50	20.00
5	16QAM	12	13	18.53	18.65	18.63	20.00
5	16QAM	25	0	18.47	18.57	18.34	20.00
5	64QAM	1	0	18.55	18.74	18.43	20.00
5	64QAM	1	12	18.49	18.70	18.62	20.00
5	64QAM	1	24	18.55	18.71	18.61	20.00
5	64QAM	12	0	17.42	17.53	17.34	19.00
5	64QAM	12	7	17.68	17.77	17.64	19.00
5	64QAM	12	13	17.50	17.56	17.53	19.00
5	64QAM	25	0	17.51	17.53	17.50	19.00
5	256QAM	1	0	15.50	15.72	15.49	17.00
5	256QAM	1	12	15.71	15.76	15.53	17.00
5	256QAM	1	24	15.60	15.77	15.43	17.00
5	256QAM	12	0	15.58	15.76	15.54	17.00
5	256QAM	12	7	15.48	15.59	15.49	17.00
5	256QAM	12	13	15.45	15.70	15.56	17.00
5	256QAM	25	0	15.49	15.49	15.42	17.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.44	20.59	20.55	22.00
20	QPSK	1	49	20.18	20.35	20.29	22.00
20	QPSK	1	99	20.05	20.31	20.21	22.00
20	QPSK	50	0	19.58	19.61	19.53	21.00
20	QPSK	50	24	19.21	19.41	19.27	21.00
20	QPSK	50	50	19.33	19.59	19.48	21.00
20	QPSK	100	0	19.31	19.55	19.36	21.00
20	16QAM	1	0	19.36	19.55	19.43	21.00
20	16QAM	1	49	19.17	19.39	19.24	21.00
20	16QAM	1	99	19.25	19.50	19.37	21.00
20	16QAM	50	0	18.34	18.51	18.41	20.00
20	16QAM	50	24	18.20	18.42	18.37	20.00
20	16QAM	50	50	18.22	18.49	18.36	20.00
20	16QAM	100	0	18.29	18.44	18.38	20.00
20	64QAM	1	0	18.27	18.51	18.39	20.00
20	64QAM	1	49	18.30	18.55	18.40	20.00
20	64QAM	1	99	18.28	18.53	18.36	20.00
20	64QAM	50	0	17.43	17.60	17.47	19.00
20	64QAM	50	24	17.34	17.54	17.47	19.00
20	64QAM	50	50	17.17	17.44	17.27	19.00
20	64QAM	100	0	17.28	17.42	17.32	19.00
20	256QAM	1	0	15.22	15.42	15.32	17.00
20	256QAM	1	49	15.31	15.49	15.43	17.00
20	256QAM	1	99	15.24	15.42	15.33	17.00
20	256QAM	50	0	15.31	15.54	15.43	17.00
20	256QAM	50	24	15.26	15.39	15.25	17.00
20	256QAM	50	50	15.31	15.47	15.42	17.00
20	256QAM	100	0	15.46	15.59	15.46	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.37	20.45	20.49	22.00
15	QPSK	1	37	20.04	20.29	20.16	22.00
15	QPSK	1	74	20.02	20.18	20.09	22.00
15	QPSK	36	0	19.52	19.58	19.40	21.00
15	QPSK	36	20	19.14	19.35	19.16	21.00
15	QPSK	36	39	19.24	19.56	19.46	21.00
15	QPSK	75	0	19.23	19.48	19.35	21.00
15	16QAM	1	0	19.30	19.53	19.40	21.00
15	16QAM	1	37	19.15	19.32	19.14	21.00
15	16QAM	1	74	19.21	19.38	19.33	21.00
15	16QAM	36	0	18.21	18.48	18.39	20.00
15	16QAM	36	20	18.19	18.29	18.29	20.00
15	16QAM	36	39	18.08	18.38	18.32	20.00
15	16QAM	75	0	18.20	18.37	18.31	20.00
15	64QAM	1	0	18.14	18.46	18.28	20.00



15	64QAM	1	37	18.27	18.52	18.32	20.00
15	64QAM	1	74	18.17	18.48	18.22	20.00
15	64QAM	36	0	17.39	17.50	17.37	19.00
15	64QAM	36	20	17.27	17.52	17.39	19.00
15	64QAM	36	39	17.04	17.37	17.20	19.00
15	64QAM	75	0	17.20	17.39	17.17	19.00
15	256QAM	1	0	15.13	15.29	15.26	17.00
15	256QAM	1	37	15.16	15.47	15.36	17.00
15	256QAM	1	74	15.12	15.37	15.29	17.00
15	256QAM	36	0	15.27	15.47	15.35	17.00
15	256QAM	36	20	15.13	15.30	15.15	17.00
15	256QAM	36	39	15.17	15.35	15.34	17.00
15	256QAM	75	0	15.38	15.55	15.44	17.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.41	20.57	20.40	22.00
10	QPSK	1	25	20.08	20.23	20.26	22.00
10	QPSK	1	49	20.00	20.23	20.19	22.00
10	QPSK	25	0	19.44	19.58	19.42	21.00
10	QPSK	25	12	19.14	19.29	19.13	21.00
10	QPSK	25	25	19.31	19.51	19.40	21.00
10	QPSK	50	0	19.18	19.47	19.27	21.00
10	16QAM	1	0	19.21	19.44	19.36	21.00
10	16QAM	1	25	19.06	19.34	19.10	21.00
10	16QAM	1	49	19.24	19.40	19.30	21.00
10	16QAM	25	0	18.29	18.42	18.37	20.00
10	16QAM	25	12	18.05	18.32	18.25	20.00
10	16QAM	25	25	18.09	18.34	18.28	20.00
10	16QAM	50	0	18.28	18.30	18.24	20.00
10	64QAM	1	0	18.21	18.48	18.37	20.00
10	64QAM	1	25	18.26	18.48	18.29	20.00
10	64QAM	1	49	18.19	18.43	18.29	20.00
10	64QAM	25	0	17.31	17.45	17.35	19.00
10	64QAM	25	12	17.26	17.51	17.44	19.00
10	64QAM	25	25	17.07	17.43	17.17	19.00
10	64QAM	50	0	17.16	17.39	17.19	19.00
10	256QAM	1	0	15.15	15.37	15.18	17.00
10	256QAM	1	25	15.27	15.40	15.39	17.00
10	256QAM	1	49	15.14	15.33	15.31	17.00
10	256QAM	25	0	15.17	15.49	15.31	17.00
10	256QAM	25	12	15.14	15.33	15.16	17.00
10	256QAM	25	25	15.28	15.35	15.31	17.00
10	256QAM	50	0	15.43	15.46	15.32	17.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.43	20.52	20.49	22.00
5	QPSK	1	12	20.05	20.22	20.14	22.00
5	QPSK	1	24	20.01	20.27	20.19	22.00
5	QPSK	12	0	19.51	19.54	19.39	21.00
5	QPSK	12	7	19.15	19.37	19.13	21.00
5	QPSK	12	13	19.19	19.57	19.37	21.00
5	QPSK	25	0	19.22	19.46	19.27	21.00
5	16QAM	1	0	19.26	19.50	19.42	21.00
5	16QAM	1	12	19.11	19.37	19.09	21.00
5	16QAM	1	24	19.17	19.47	19.36	21.00
5	16QAM	12	0	18.21	18.49	18.27	20.00
5	16QAM	12	7	18.05	18.32	18.35	20.00
5	16QAM	12	13	18.15	18.38	18.28	20.00
5	16QAM	25	0	18.19	18.34	18.25	20.00
5	64QAM	1	0	18.24	18.43	18.37	20.00
5	64QAM	1	12	18.22	18.49	18.32	20.00
5	64QAM	1	24	18.13	18.49	18.32	20.00
5	64QAM	12	0	17.41	17.58	17.33	19.00
5	64QAM	12	7	17.20	17.40	17.33	19.00
5	64QAM	12	13	17.10	17.30	17.15	19.00
5	64QAM	25	0	17.19	17.37	17.18	19.00
5	256QAM	1	0	15.14	15.35	15.27	17.00
5	256QAM	1	12	15.18	15.38	15.35	17.00
5	256QAM	1	24	15.23	15.28	15.25	17.00
5	256QAM	12	0	15.16	15.45	15.30	17.00
5	256QAM	12	7	15.18	15.38	15.23	17.00
5	256QAM	12	13	15.17	15.46	15.40	17.00
5	256QAM	25	0	15.32	15.44	15.31	17.00



【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	14.55	14.59	14.51	15.80
20	QPSK	1	49	14.51	14.54	14.47	15.80
20	QPSK	1	99	14.51	14.47	14.39	15.80
20	QPSK	50	0	14.42	14.58	14.48	15.80
20	QPSK	50	24	14.42	14.55	14.46	15.80
20	QPSK	50	50	14.42	14.46	14.41	15.80
20	QPSK	100	0	14.41	14.45	14.43	15.80
20	16QAM	1	0	14.50	14.51	14.37	15.80
20	16QAM	1	49	14.43	14.48	14.42	15.80
20	16QAM	1	99	14.46	14.47	14.44	15.80
20	16QAM	50	0	14.52	14.44	14.41	15.80
20	16QAM	50	24	14.48	14.44	14.41	15.80
20	16QAM	50	50	14.51	14.49	14.37	15.80
20	16QAM	100	0	14.47	14.52	14.41	15.80
20	64QAM	1	0	14.45	14.54	14.39	15.80
20	64QAM	1	49	14.45	14.51	14.47	15.80
20	64QAM	1	99	14.48	14.44	14.42	15.80
20	64QAM	50	0	14.51	14.50	14.39	15.80
20	64QAM	50	24	14.41	14.50	14.47	15.80
20	64QAM	50	50	14.51	14.46	14.39	15.80
20	64QAM	100	0	14.47	14.45	14.40	15.80
20	256QAM	1	0	14.51	14.44	14.36	15.80
20	256QAM	1	49	14.41	14.46	14.42	15.80
20	256QAM	1	99	14.41	14.48	14.42	15.80
20	256QAM	50	0	14.44	14.55	14.42	15.80
20	256QAM	50	24	14.48	14.48	14.45	15.80
20	256QAM	50	50	14.52	14.55	14.43	15.80
20	256QAM	100	0	14.46	14.51	14.46	15.80
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	14.47	14.49	14.36	15.80
15	QPSK	1	37	14.40	14.49	14.40	15.80
15	QPSK	1	74	14.46	14.36	14.38	15.80
15	QPSK	36	0	14.31	14.52	14.45	15.80
15	QPSK	36	20	14.37	14.45	14.40	15.80
15	QPSK	36	39	14.36	14.37	14.28	15.80
15	QPSK	75	0	14.35	14.33	14.41	15.80
15	16QAM	1	0	14.36	14.42	14.28	15.80
15	16QAM	1	37	14.35	14.34	14.31	15.80
15	16QAM	1	74	14.36	14.45	14.39	15.80
15	16QAM	36	0	14.43	14.32	14.28	15.80
15	16QAM	36	20	14.46	14.39	14.33	15.80
15	16QAM	36	39	14.36	14.40	14.32	15.80
15	16QAM	75	0	14.42	14.45	14.38	15.80
15	64QAM	1	0	14.36	14.47	14.24	15.80
15	64QAM	1	37	14.36	14.37	14.33	15.80
15	64QAM	1	74	14.38	14.30	14.40	15.80
15	64QAM	36	0	14.39	14.49	14.25	15.80
15	64QAM	36	20	14.35	14.42	14.39	15.80
15	64QAM	36	39	14.37	14.32	14.37	15.80
15	64QAM	75	0	14.39	14.40	14.34	15.80
15	256QAM	1	0	14.37	14.39	14.23	15.80
15	256QAM	1	37	14.31	14.44	14.40	15.80
15	256QAM	1	74	14.28	14.40	14.27	15.80
15	256QAM	36	0	14.39	14.46	14.31	15.80
15	256QAM	36	20	14.36	14.36	14.31	15.80
15	256QAM	36	39	14.39	14.54	14.31	15.80
15	256QAM	75	0	14.35	14.36	14.32	15.80
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	14.49	14.45	14.48	15.80
10	QPSK	1	25	14.39	14.46	14.45	15.80
10	QPSK	1	49	14.37	14.36	14.37	15.80
10	QPSK	25	0	14.28	14.46	14.45	15.80
10	QPSK	25	12	14.40	14.41	14.44	15.80
10	QPSK	25	25	14.28	14.39	14.40	15.80
10	QPSK	50	0	14.31	14.35	14.30	15.80
10	16QAM	1	0	14.38	14.39	14.29	15.80
10	16QAM	1	25	14.37	14.37	14.36	15.80
10	16QAM	1	49	14.32	14.32	14.37	15.80
10	16QAM	25	0	14.45	14.40	14.32	15.80
10	16QAM	25	12	14.42	14.38	14.33	15.80



10	16QAM	25	25	14.49	14.39	14.27	15.80
10	16QAM	50	0	14.34	14.45	14.35	15.80
10	64QAM	1	0	14.38	14.51	14.35	15.80
10	64QAM	1	25	14.40	14.42	14.43	15.80
10	64QAM	1	49	14.45	14.38	14.41	15.80
10	64QAM	25	0	14.46	14.45	14.33	15.80
10	64QAM	25	12	14.28	14.44	14.44	15.80
10	64QAM	25	25	14.45	14.36	14.25	15.80
10	64QAM	50	0	14.33	14.38	14.33	15.80
10	256QAM	1	0	14.48	14.37	14.22	15.80
10	256QAM	1	25	14.36	14.37	14.40	15.80
10	256QAM	1	49	14.30	14.43	14.33	15.80
10	256QAM	25	0	14.32	14.45	14.34	15.80
10	256QAM	25	12	14.42	14.34	14.35	15.80
10	256QAM	25	25	14.38	14.47	14.33	15.80
10	256QAM	50	0	14.31	14.43	14.31	15.80
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	14.42	14.52	14.47	15.80
5	QPSK	1	12	14.48	14.52	14.32	15.80
5	QPSK	1	24	14.46	14.33	14.33	15.80
5	QPSK	12	0	14.40	14.56	14.38	15.80
5	QPSK	12	7	14.28	14.44	14.44	15.80
5	QPSK	12	13	14.39	14.39	14.29	15.80
5	QPSK	25	0	14.40	14.30	14.40	15.80
5	16QAM	1	0	14.38	14.42	14.30	15.80
5	16QAM	1	12	14.32	14.37	14.39	15.80
5	16QAM	1	24	14.39	14.33	14.35	15.80
5	16QAM	12	0	14.46	14.35	14.37	15.80
5	16QAM	12	7	14.45	14.37	14.37	15.80
5	16QAM	12	13	14.42	14.45	14.27	15.80
5	16QAM	25	0	14.34	14.46	14.27	15.80
5	64QAM	1	0	14.38	14.42	14.35	15.80
5	64QAM	1	12	14.42	14.42	14.40	15.80
5	64QAM	1	24	14.36	14.29	14.27	15.80
5	64QAM	12	0	14.37	14.40	14.33	15.80
5	64QAM	12	7	14.34	14.37	14.44	15.80
5	64QAM	12	13	14.42	14.35	14.29	15.80
5	64QAM	25	0	14.42	14.41	14.33	15.80
5	256QAM	1	0	14.48	14.39	14.29	15.80
5	256QAM	1	12	14.31	14.34	14.35	15.80
5	256QAM	1	24	14.29	14.34	14.29	15.80
5	256QAM	12	0	14.40	14.46	14.37	15.80
5	256QAM	12	7	14.41	14.45	14.32	15.80
5	256QAM	12	13	14.40	14.54	14.31	15.80
5	256QAM	25	0	14.31	14.47	14.43	15.80

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	14.41	14.45	14.29	15.80
20	QPSK	1	49	14.32	14.41	14.33	15.80
20	QPSK	1	99	14.31	14.22	14.16	15.80
20	QPSK	50	0	14.28	14.43	14.26	15.80
20	QPSK	50	24	14.27	14.38	14.21	15.80
20	QPSK	50	50	14.21	14.22	14.25	15.80
20	QPSK	100	0	14.25	14.22	14.27	15.80
20	16QAM	1	0	14.25	14.26	14.24	15.80
20	16QAM	1	49	14.30	14.28	14.27	15.80
20	16QAM	1	99	14.27	14.31	14.31	15.80
20	16QAM	50	0	14.31	14.24	14.22	15.80
20	16QAM	50	24	14.33	14.21	14.19	15.80
20	16QAM	50	50	14.27	14.29	14.16	15.80
20	16QAM	100	0	14.33	14.38	14.20	15.80
20	64QAM	1	0	14.28	14.35	14.14	15.80
20	64QAM	1	49	14.24	14.34	14.32	15.80
20	64QAM	1	99	14.30	14.30	14.18	15.80
20	64QAM	50	0	14.27	14.36	14.17	15.80
20	64QAM	50	24	14.21	14.26	14.27	15.80
20	64QAM	50	50	14.37	14.26	14.15	15.80



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20	64QAM	100	0	14.28	14.30	14.15	15.80
20	256QAM	1	0	14.36	14.28	14.11	15.80
20	256QAM	1	49	14.21	14.30	14.26	15.80
20	256QAM	1	99	14.25	14.28	14.26	15.80
20	256QAM	50	0	14.29	14.38	14.19	15.80
20	256QAM	50	24	14.24	14.29	14.22	15.80
20	256QAM	50	50	14.38	14.35	14.19	15.80
20	256QAM	100	0	14.23	14.35	14.29	15.80
Channel				43165	43340	43515	Tune-up limit
Frequency (MHz)				3557.5	3575	3592.5	(dBm)
15	QPSK	1	0	14.29	14.33	14.20	15.80
15	QPSK	1	37	14.23	14.33	14.24	15.80
15	QPSK	1	74	14.26	14.18	14.11	15.80
15	QPSK	36	0	14.17	14.31	14.24	15.80
15	QPSK	36	20	14.25	14.35	14.18	15.80
15	QPSK	36	39	14.18	14.14	14.16	15.80
15	QPSK	75	0	14.14	14.16	14.18	15.80
15	16QAM	1	0	14.24	14.16	14.14	15.80
15	16QAM	1	37	14.19	14.21	14.15	15.80
15	16QAM	1	74	14.19	14.22	14.19	15.80
15	16QAM	36	0	14.26	14.18	14.19	15.80
15	16QAM	36	20	14.23	14.08	14.12	15.80
15	16QAM	36	39	14.13	14.23	14.07	15.80
15	16QAM	75	0	14.21	14.24	14.13	15.80
15	64QAM	1	0	14.14	14.21	14.06	15.80
15	64QAM	1	37	14.15	14.24	14.21	15.80
15	64QAM	1	74	14.28	14.26	14.08	15.80
15	64QAM	36	0	14.12	14.31	14.05	15.80
15	64QAM	36	20	14.14	14.17	14.13	15.80
15	64QAM	36	39	14.26	14.16	14.08	15.80
15	64QAM	75	0	14.19	14.25	14.03	15.80
15	256QAM	1	0	14.28	14.16	14.00	15.80
15	256QAM	1	37	14.10	14.20	14.14	15.80
15	256QAM	1	74	14.17	14.15	14.17	15.80
15	256QAM	36	0	14.25	14.34	14.16	15.80
15	256QAM	36	20	14.16	14.24	14.16	15.80
15	256QAM	36	39	14.26	14.23	14.16	15.80
15	256QAM	75	0	14.17	14.33	14.16	15.80
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	14.28	14.38	14.18	15.80
10	QPSK	1	25	14.22	14.32	14.28	15.80
10	QPSK	1	49	14.28	14.15	14.03	15.80
10	QPSK	25	0	14.19	14.35	14.18	15.80
10	QPSK	25	12	14.14	14.32	14.13	15.80
10	QPSK	25	25	14.19	14.11	14.22	15.80
10	QPSK	50	0	14.15	14.14	14.21	15.80
10	16QAM	1	0	14.20	14.20	14.16	15.80
10	16QAM	1	25	14.21	14.22	14.14	15.80
10	16QAM	1	49	14.17	14.18	14.18	15.80
10	16QAM	25	0	14.24	14.20	14.10	15.80
10	16QAM	25	12	14.24	14.07	14.17	15.80
10	16QAM	25	25	14.13	14.25	14.03	15.80
10	16QAM	50	0	14.25	14.29	14.14	15.80
10	64QAM	1	0	14.17	14.24	14.10	15.80
10	64QAM	1	25	14.21	14.24	14.21	15.80
10	64QAM	1	49	14.26	14.20	14.04	15.80
10	64QAM	25	0	14.12	14.25	14.11	15.80
10	64QAM	25	12	14.16	14.13	14.26	15.80
10	64QAM	25	25	14.26	14.15	14.03	15.80
10	64QAM	50	0	14.13	14.27	14.04	15.80
10	256QAM	1	0	14.29	14.13	13.99	15.80
10	256QAM	1	25	14.07	14.16	14.24	15.80
10	256QAM	1	49	14.15	14.18	14.17	15.80
10	256QAM	25	0	14.23	14.28	14.13	15.80
10	256QAM	25	12	14.23	14.19	14.14	15.80
10	256QAM	25	25	14.26	14.23	14.12	15.80
10	256QAM	50	0	14.18	14.28	14.27	15.80
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	14.39	14.32	14.18	15.80
5	QPSK	1	12	14.20	14.38	14.29	15.80
5	QPSK	1	24	14.27	14.14	14.15	15.80
5	QPSK	12	0	14.14	14.42	14.20	15.80
5	QPSK	12	7	14.26	14.23	14.18	15.80
5	QPSK	12	13	14.08	14.09	14.19	15.80
5	QPSK	25	0	14.22	14.17	14.23	15.80
5	16QAM	1	0	14.16	14.19	14.09	15.80



5	16QAM	1	12	14.17	14.19	14.18	15.80
5	16QAM	1	24	14.19	14.25	14.27	15.80
5	16QAM	12	0	14.23	14.22	14.20	15.80
5	16QAM	12	7	14.31	14.18	14.13	15.80
5	16QAM	12	13	14.21	14.18	14.13	15.80
5	16QAM	25	0	14.32	14.26	14.05	15.80
5	64QAM	1	0	14.17	14.32	14.12	15.80
5	64QAM	1	12	14.21	14.27	14.28	15.80
5	64QAM	1	24	14.20	14.22	14.05	15.80
5	64QAM	12	0	14.26	14.35	14.15	15.80
5	64QAM	12	7	14.15	14.20	14.20	15.80
5	64QAM	12	13	14.31	14.21	14.02	15.80
5	64QAM	25	0	14.18	14.17	14.07	15.80
5	256QAM	1	0	14.29	14.21	14.09	15.80
5	256QAM	1	12	14.11	14.23	14.19	15.80
5	256QAM	1	24	14.19	14.16	14.13	15.80
5	256QAM	12	0	14.26	14.23	14.09	15.80
5	256QAM	12	7	14.18	14.15	14.08	15.80
5	256QAM	12	13	14.24	14.23	14.06	15.80
5	256QAM	25	0	14.15	14.21	14.27	15.80

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	18.15	18.19	18.11	19.30
20	QPSK	1	49	18.03	18.11	17.97	19.30
20	QPSK	1	99	17.84	17.95	17.84	19.30
20	QPSK	50	0	17.92	18.00	17.91	19.30
20	QPSK	50	24	17.85	17.99	17.79	19.30
20	QPSK	50	50	17.85	17.93	17.81	19.30
20	QPSK	100	0	17.95	18.01	17.89	19.30
20	16QAM	1	0	17.90	17.98	17.83	19.30
20	16QAM	1	49	18.04	18.09	17.94	19.30
20	16QAM	1	99	17.94	18.02	17.92	19.30
20	16QAM	50	0	17.77	17.88	17.76	19.30
20	16QAM	50	24	17.79	17.87	17.72	19.30
20	16QAM	50	50	17.89	18.00	17.83	19.30
20	16QAM	100	0	17.78	17.97	17.85	19.30
20	64QAM	1	0	17.96	18.09	17.92	19.30
20	64QAM	1	49	17.88	17.93	17.75	19.30
20	64QAM	1	99	17.81	17.91	17.75	19.30
20	64QAM	50	0	17.44	17.52	17.36	19.00
20	64QAM	50	24	17.39	17.51	17.33	19.00
20	64QAM	50	50	17.24	17.42	17.20	19.00
20	64QAM	100	0	17.42	17.56	17.42	19.00
20	256QAM	1	0	15.35	15.43	15.33	17.00
20	256QAM	1	49	15.55	15.60	15.42	17.00
20	256QAM	1	99	15.38	15.47	15.27	17.00
20	256QAM	50	0	15.33	15.42	15.25	17.00
20	256QAM	50	24	15.36	15.49	15.35	17.00
20	256QAM	50	50	15.33	15.39	15.24	17.00
20	256QAM	100	0	15.32	15.49	15.34	17.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	18.08	18.10	17.98	19.30
15	QPSK	1	37	18.02	17.98	17.92	19.30
15	QPSK	1	74	17.78	17.93	17.73	19.30
15	QPSK	36	0	17.89	17.95	17.82	19.30
15	QPSK	36	20	17.81	17.86	17.71	19.30
15	QPSK	36	39	17.83	17.82	17.71	19.30
15	QPSK	75	0	17.90	17.88	17.81	19.30
15	16QAM	1	0	17.85	17.93	17.80	19.30
15	16QAM	1	37	18.02	18.04	17.90	19.30
15	16QAM	1	74	17.83	17.96	17.89	19.30
15	16QAM	36	0	17.65	17.85	17.61	19.30
15	16QAM	36	20	17.69	17.73	17.62	19.30
15	16QAM	36	39	17.82	17.97	17.71	19.30
15	16QAM	75	0	17.68	17.94	17.71	19.30
15	64QAM	1	0	17.83	18.04	17.87	19.30
15	64QAM	1	37	17.77	17.90	17.68	19.30



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15	64QAM	1	74	17.73	17.85	17.62	19.30
15	64QAM	36	0	17.32	17.50	17.33	19.00
15	64QAM	36	20	17.24	17.38	17.19	19.00
15	64QAM	36	39	17.13	17.30	17.17	19.00
15	64QAM	75	0	17.30	17.44	17.28	19.00
15	256QAM	1	0	15.21	15.40	15.29	17.00
15	256QAM	1	37	15.45	15.58	15.29	17.00
15	256QAM	1	74	15.32	15.34	15.13	17.00
15	256QAM	36	0	15.29	15.40	15.16	17.00
15	256QAM	36	20	15.26	15.48	15.31	17.00
15	256QAM	36	39	15.22	15.33	15.12	17.00
15	256QAM	75	0	15.20	15.39	15.32	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	18.04	18.05	18.02	19.30
10	QPSK	1	25	17.89	18.07	17.84	19.30
10	QPSK	1	49	17.80	17.91	17.76	19.30
10	QPSK	25	0	17.81	17.87	17.77	19.30
10	QPSK	25	12	17.71	17.87	17.72	19.30
10	QPSK	25	25	17.83	17.87	17.77	19.30
10	QPSK	50	0	17.83	17.87	17.84	19.30
10	16QAM	1	0	17.87	17.87	17.71	19.30
10	16QAM	1	25	17.97	17.96	17.91	19.30
10	16QAM	1	49	17.80	17.90	17.82	19.30
10	16QAM	25	0	17.75	17.79	17.62	19.30
10	16QAM	25	12	17.70	17.85	17.60	19.30
10	16QAM	25	25	17.81	17.90	17.77	19.30
10	16QAM	50	0	17.65	17.91	17.76	19.30
10	64QAM	1	0	17.85	18.04	17.85	19.30
10	64QAM	1	25	17.84	17.88	17.69	19.30
10	64QAM	1	49	17.72	17.81	17.66	19.30
10	64QAM	25	0	17.40	17.40	17.32	19.00
10	64QAM	25	12	17.27	17.48	17.24	19.00
10	64QAM	25	25	17.11	17.38	17.16	19.00
10	64QAM	50	0	17.32	17.41	17.37	19.00
10	256QAM	1	0	15.31	15.41	15.21	17.00
10	256QAM	1	25	15.53	15.58	15.34	17.00
10	256QAM	1	49	15.31	15.46	15.24	17.00
10	256QAM	25	0	15.27	15.38	15.12	17.00
10	256QAM	25	12	15.32	15.43	15.25	17.00
10	256QAM	25	25	15.28	15.32	15.15	17.00
10	256QAM	50	0	15.22	15.37	15.21	17.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	18.12	18.15	18.01	19.30
5	QPSK	1	12	18.00	18.01	17.82	19.30
5	QPSK	1	24	17.77	17.93	17.81	19.30
5	QPSK	12	0	17.88	17.93	17.83	19.30
5	QPSK	12	7	17.73	17.88	17.71	19.30
5	QPSK	12	13	17.71	17.88	17.78	19.30
5	QPSK	25	0	17.82	17.90	17.80	19.30
5	16QAM	1	0	17.76	17.97	17.74	19.30
5	16QAM	1	12	18.00	18.05	17.84	19.30
5	16QAM	1	24	17.79	17.96	17.87	19.30
5	16QAM	12	0	17.67	17.83	17.67	19.30
5	16QAM	12	7	17.69	17.80	17.65	19.30
5	16QAM	12	13	17.87	17.86	17.72	19.30
5	16QAM	25	0	17.67	17.84	17.70	19.30
5	64QAM	1	0	17.91	17.95	17.84	19.30
5	64QAM	1	12	17.78	17.88	17.62	19.30
5	64QAM	1	24	17.67	17.76	17.73	19.30
5	64QAM	12	0	17.36	17.49	17.27	19.00
5	64QAM	12	7	17.34	17.44	17.31	19.00
5	64QAM	12	13	17.17	17.30	17.08	19.00
5	64QAM	25	0	17.33	17.44	17.41	19.00
5	256QAM	1	0	15.23	15.42	15.31	17.00
5	256QAM	1	12	15.54	15.54	15.31	17.00
5	256QAM	1	24	15.24	15.41	15.24	17.00
5	256QAM	12	0	15.19	15.28	15.20	17.00
5	256QAM	12	7	15.35	15.44	15.32	17.00
5	256QAM	12	13	15.30	15.27	15.14	17.00
5	256QAM	25	0	15.21	15.37	15.21	17.00



【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	18.11	18.15	18.08	19.30
20	QPSK	1	49	17.69	17.84	17.63	19.30
20	QPSK	1	99	17.73	17.90	17.70	19.30
20	QPSK	50	0	17.95	17.97	17.92	19.30
20	QPSK	50	24	17.83	17.97	17.78	19.30
20	QPSK	50	50	17.78	17.97	17.78	19.30
20	QPSK	100	0	17.69	17.85	17.78	19.30
20	16QAM	1	0	17.71	17.88	17.68	19.30
20	16QAM	1	49	17.94	18.06	17.92	19.30
20	16QAM	1	99	17.87	18.02	17.93	19.30
20	16QAM	50	0	17.91	18.00	17.90	19.30
20	16QAM	50	24	17.93	18.03	17.89	19.30
20	16QAM	50	50	17.94	18.02	17.81	19.30
20	16QAM	100	0	17.94	18.07	17.95	19.30
20	64QAM	1	0	17.82	17.92	17.73	19.30
20	64QAM	1	49	17.82	17.89	17.77	19.30
20	64QAM	1	99	17.91	18.03	17.86	19.30
20	64QAM	50	0	17.22	17.39	17.27	19.00
20	64QAM	50	24	17.31	17.42	17.33	19.00
20	64QAM	50	50	17.31	17.50	17.35	19.00
20	64QAM	100	0	17.26	17.37	17.25	19.00
20	256QAM	1	0	15.48	15.55	15.46	17.00
20	256QAM	1	49	15.37	15.44	15.24	17.00
20	256QAM	1	99	15.25	15.40	15.30	17.00
20	256QAM	50	0	15.25	15.38	15.29	17.00
20	256QAM	50	24	15.32	15.45	15.33	17.00
20	256QAM	50	50	15.34	15.48	15.29	17.00
20	256QAM	100	0	15.22	15.38	15.26	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	17.97	18.02	18.02	19.30
15	QPSK	1	37	17.65	17.71	17.56	19.30
15	QPSK	1	74	17.62	17.85	17.62	19.30
15	QPSK	36	0	17.81	17.94	17.83	19.30
15	QPSK	36	20	17.75	17.90	17.65	19.30
15	QPSK	36	39	17.71	17.84	17.76	19.30
15	QPSK	75	0	17.60	17.72	17.68	19.30
15	16QAM	1	0	17.58	17.78	17.56	19.30
15	16QAM	1	37	17.86	17.96	17.84	19.30
15	16QAM	1	74	17.85	17.93	17.80	19.30
15	16QAM	36	0	17.80	17.94	17.87	19.30
15	16QAM	36	20	17.87	17.93	17.84	19.30
15	16QAM	36	39	17.86	17.95	17.70	19.30
15	16QAM	75	0	17.80	17.92	17.84	19.30
15	64QAM	1	0	17.73	17.87	17.66	19.30
15	64QAM	1	37	17.76	17.78	17.64	19.30
15	64QAM	1	74	17.77	17.90	17.71	19.30
15	64QAM	36	0	17.18	17.33	17.19	19.00
15	64QAM	36	20	17.24	17.39	17.27	19.00
15	64QAM	36	39	17.25	17.47	17.32	19.00
15	64QAM	75	0	17.12	17.28	17.14	19.00
15	256QAM	1	0	15.34	15.44	15.38	17.00
15	256QAM	1	37	15.33	15.38	15.21	17.00
15	256QAM	1	74	15.19	15.36	15.18	17.00
15	256QAM	36	0	15.12	15.30	15.24	17.00
15	256QAM	36	20	15.26	15.34	15.26	17.00
15	256QAM	36	39	15.28	15.46	15.19	17.00
15	256QAM	75	0	15.20	15.30	15.25	17.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	18.06	18.06	18.03	19.30
10	QPSK	1	25	17.62	17.76	17.60	19.30
10	QPSK	1	49	17.59	17.78	17.67	19.30
10	QPSK	25	0	17.92	17.94	17.86	19.30
10	QPSK	25	12	17.73	17.93	17.74	19.30
10	QPSK	25	25	17.73	17.90	17.69	19.30
10	QPSK	50	0	17.55	17.83	17.68	19.30
10	16QAM	1	0	17.62	17.78	17.58	19.30
10	16QAM	1	25	17.82	18.01	17.84	19.30
10	16QAM	1	49	17.78	17.96	17.89	19.30
10	16QAM	25	0	17.85	17.99	17.80	19.30
10	16QAM	25	12	17.84	17.94	17.83	19.30



10	16QAM	25	25	17.84	17.90	17.72	19.30
10	16QAM	50	0	17.89	18.04	17.89	19.30
10	64QAM	1	0	17.80	17.89	17.63	19.30
10	64QAM	1	25	17.80	17.88	17.68	19.30
10	64QAM	1	49	17.85	17.88	17.75	19.30
10	64QAM	25	0	17.18	17.35	17.18	19.00
10	64QAM	25	12	17.22	17.32	17.22	19.00
10	64QAM	25	25	17.20	17.44	17.24	19.00
10	64QAM	50	0	17.18	17.30	17.23	19.00
10	256QAM	1	0	15.45	15.52	15.32	17.00
10	256QAM	1	25	15.27	15.43	15.19	17.00
10	256QAM	1	49	15.12	15.31	15.22	17.00
10	256QAM	25	0	15.24	15.36	15.24	17.00
10	256QAM	25	12	15.27	15.40	15.21	17.00
10	256QAM	25	25	15.20	15.41	15.17	17.00
10	256QAM	50	0	15.12	15.27	15.19	17.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	17.96	18.09	17.97	19.30
5	QPSK	1	12	17.55	17.81	17.55	19.30
5	QPSK	1	24	17.58	17.75	17.56	19.30
5	QPSK	12	0	17.87	17.89	17.80	19.30
5	QPSK	12	7	17.77	17.87	17.65	19.30
5	QPSK	12	13	17.65	17.89	17.65	19.30
5	QPSK	25	0	17.55	17.73	17.76	19.30
5	16QAM	1	0	17.63	17.83	17.58	19.30
5	16QAM	1	12	17.91	17.94	17.82	19.30
5	16QAM	1	24	17.75	17.90	17.83	19.30
5	16QAM	12	0	17.80	17.90	17.80	19.30
5	16QAM	12	7	17.81	17.90	17.79	19.30
5	16QAM	12	13	17.79	17.87	17.70	19.30
5	16QAM	25	0	17.83	18.01	17.93	19.30
5	64QAM	1	0	17.77	17.81	17.66	19.30
5	64QAM	1	12	17.77	17.84	17.67	19.30
5	64QAM	1	24	17.86	17.98	17.72	19.30
5	64QAM	12	0	17.18	17.25	17.23	19.00
5	64QAM	12	7	17.29	17.27	17.21	19.00
5	64QAM	12	13	17.17	17.39	17.25	19.00
5	64QAM	25	0	17.15	17.35	17.23	19.00
5	256QAM	1	0	15.42	15.53	15.38	17.00
5	256QAM	1	12	15.32	15.35	15.17	17.00
5	256QAM	1	24	15.12	15.36	15.18	17.00
5	256QAM	12	0	15.15	15.27	15.15	17.00
5	256QAM	12	7	15.26	15.37	15.26	17.00
5	256QAM	12	13	15.32	15.39	15.24	17.00
5	256QAM	25	0	15.10	15.25	15.15	17.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 2_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.82	20.85	20.76	22.00
20	QPSK	1	49	20.55	20.71	20.50	22.00
20	QPSK	1	99	20.59	20.74	20.54	22.00
20	QPSK	50	0	19.88	19.92	19.83	21.00
20	QPSK	50	24	19.58	19.68	19.50	21.00
20	QPSK	50	50	19.69	19.84	19.64	21.00
20	QPSK	100	0	19.81	19.89	19.69	21.00
20	16QAM	1	0	19.60	19.67	19.57	21.00
20	16QAM	1	49	19.59	19.72	19.55	21.00
20	16QAM	1	99	19.67	19.78	19.58	21.00
20	16QAM	50	0	18.63	18.76	18.54	20.00
20	16QAM	50	24	18.55	18.65	18.55	20.00
20	16QAM	50	50	18.63	18.78	18.66	20.00
20	16QAM	100	0	18.58	18.66	18.44	20.00
20	64QAM	1	0	18.67	18.77	18.56	20.00
20	64QAM	1	49	18.62	18.78	18.65	20.00
20	64QAM	1	99	18.65	18.83	18.73	20.00
20	64QAM	50	0	17.55	17.63	17.44	19.00
20	64QAM	50	24	17.69	17.82	17.67	19.00
20	64QAM	50	50	17.62	17.71	17.55	19.00



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20	64QAM	100	0	17.55	17.66	17.56	19.00
20	256QAM	1	0	15.65	15.78	15.61	17.00
20	256QAM	1	49	15.82	15.86	15.64	17.00
20	256QAM	1	99	15.71	15.78	15.58	17.00
20	256QAM	50	0	15.62	15.78	15.57	17.00
20	256QAM	50	24	15.58	15.65	15.52	17.00
20	256QAM	50	50	15.59	15.72	15.61	17.00
20	256QAM	100	0	15.52	15.63	15.50	17.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	20.69	20.83	20.65	22.00
15	QPSK	1	37	20.42	20.62	20.48	22.00
15	QPSK	1	74	20.46	20.63	20.47	22.00
15	QPSK	36	0	19.82	19.89	19.81	21.00
15	QPSK	36	20	19.49	19.57	19.47	21.00
15	QPSK	36	39	19.59	19.82	19.50	21.00
15	QPSK	75	0	19.70	19.80	19.59	21.00
15	16QAM	1	0	19.52	19.55	19.52	21.00
15	16QAM	1	37	19.48	19.60	19.44	21.00
15	16QAM	1	74	19.60	19.73	19.47	21.00
15	16QAM	36	0	18.52	18.75	18.45	20.00
15	16QAM	36	20	18.45	18.60	18.47	20.00
15	16QAM	36	39	18.51	18.66	18.52	20.00
15	16QAM	75	0	18.51	18.61	18.33	20.00
15	64QAM	1	0	18.65	18.73	18.48	20.00
15	64QAM	1	37	18.52	18.72	18.55	20.00
15	64QAM	1	74	18.54	18.70	18.61	20.00
15	64QAM	36	0	17.51	17.53	17.41	19.00
15	64QAM	36	20	17.57	17.67	17.66	19.00
15	64QAM	36	39	17.47	17.69	17.51	19.00
15	64QAM	75	0	17.47	17.55	17.50	19.00
15	256QAM	1	0	15.52	15.71	15.60	17.00
15	256QAM	1	37	15.77	15.76	15.63	17.00
15	256QAM	1	74	15.60	15.65	15.56	17.00
15	256QAM	36	0	15.61	15.73	15.45	17.00
15	256QAM	36	20	15.45	15.51	15.49	17.00
15	256QAM	36	39	15.49	15.64	15.56	17.00
15	256QAM	75	0	15.49	15.59	15.43	17.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.79	20.78	20.69	22.00
10	QPSK	1	25	20.48	20.69	20.39	22.00
10	QPSK	1	49	20.46	20.60	20.47	22.00
10	QPSK	25	0	19.81	19.85	19.71	21.00
10	QPSK	25	12	19.43	19.63	19.43	21.00
10	QPSK	25	25	19.62	19.83	19.59	21.00
10	QPSK	50	0	19.68	19.82	19.58	21.00
10	16QAM	1	0	19.50	19.64	19.52	21.00
10	16QAM	1	25	19.56	19.61	19.40	21.00
10	16QAM	1	49	19.64	19.74	19.51	21.00
10	16QAM	25	0	18.50	18.64	18.43	20.00
10	16QAM	25	12	18.52	18.51	18.53	20.00
10	16QAM	25	25	18.53	18.77	18.52	20.00
10	16QAM	50	0	18.53	18.59	18.31	20.00
10	64QAM	1	0	18.65	18.75	18.45	20.00
10	64QAM	1	25	18.55	18.77	18.56	20.00
10	64QAM	1	49	18.60	18.71	18.68	20.00
10	64QAM	25	0	17.45	17.57	17.31	19.00
10	64QAM	25	12	17.66	17.70	17.54	19.00
10	64QAM	25	25	17.60	17.59	17.50	19.00
10	64QAM	50	0	17.40	17.61	17.51	19.00
10	256QAM	1	0	15.61	15.76	15.46	17.00
10	256QAM	1	25	15.73	15.73	15.54	17.00
10	256QAM	1	49	15.68	15.68	15.48	17.00
10	256QAM	25	0	15.51	15.75	15.53	17.00
10	256QAM	25	12	15.56	15.62	15.38	17.00
10	256QAM	25	25	15.46	15.64	15.57	17.00
10	256QAM	50	0	15.47	15.56	15.43	17.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.71	20.72	20.62	22.00
5	QPSK	1	12	20.54	20.67	20.36	22.00
5	QPSK	1	24	20.52	20.65	20.41	22.00
5	QPSK	12	0	19.79	19.90	19.74	21.00
5	QPSK	12	7	19.52	19.58	19.43	21.00
5	QPSK	12	13	19.61	19.78	19.58	21.00
5	QPSK	25	0	19.66	19.83	19.59	21.00
5	16QAM	1	0	19.55	19.63	19.48	21.00



5	16QAM	1	12	19.55	19.59	19.49	21.00
5	16QAM	1	24	19.59	19.74	19.49	21.00
5	16QAM	12	0	18.49	18.65	18.52	20.00
5	16QAM	12	7	18.50	18.54	18.50	20.00
5	16QAM	12	13	18.53	18.65	18.63	20.00
5	16QAM	25	0	18.47	18.57	18.34	20.00
5	64QAM	1	0	18.55	18.74	18.43	20.00
5	64QAM	1	12	18.49	18.70	18.62	20.00
5	64QAM	1	24	18.55	18.71	18.61	20.00
5	64QAM	12	0	17.42	17.53	17.34	19.00
5	64QAM	12	7	17.68	17.77	17.64	19.00
5	64QAM	12	13	17.50	17.56	17.53	19.00
5	64QAM	25	0	17.51	17.53	17.50	19.00
5	256QAM	1	0	15.50	15.72	15.49	17.00
5	256QAM	1	12	15.71	15.76	15.53	17.00
5	256QAM	1	24	15.60	15.77	15.43	17.00
5	256QAM	12	0	15.58	15.76	15.54	17.00
5	256QAM	12	7	15.48	15.59	15.49	17.00
5	256QAM	12	13	15.45	15.70	15.56	17.00
5	256QAM	25	0	15.49	15.49	15.42	17.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 2_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.44	20.59	20.55	22.00
20	QPSK	1	49	20.18	20.35	20.29	22.00
20	QPSK	1	99	20.05	20.31	20.21	22.00
20	QPSK	50	0	19.58	19.61	19.53	21.00
20	QPSK	50	24	19.21	19.41	19.27	21.00
20	QPSK	50	50	19.33	19.59	19.48	21.00
20	QPSK	100	0	19.31	19.55	19.36	21.00
20	16QAM	1	0	19.36	19.55	19.43	21.00
20	16QAM	1	49	19.17	19.39	19.24	21.00
20	16QAM	1	99	19.25	19.50	19.37	21.00
20	16QAM	50	0	18.34	18.51	18.41	20.00
20	16QAM	50	24	18.20	18.42	18.37	20.00
20	16QAM	50	50	18.22	18.49	18.36	20.00
20	16QAM	100	0	18.29	18.44	18.38	20.00
20	64QAM	1	0	18.27	18.51	18.39	20.00
20	64QAM	1	49	18.30	18.55	18.40	20.00
20	64QAM	1	99	18.28	18.53	18.36	20.00
20	64QAM	50	0	17.43	17.60	17.47	19.00
20	64QAM	50	24	17.34	17.54	17.47	19.00
20	64QAM	50	50	17.17	17.44	17.27	19.00
20	64QAM	100	0	17.28	17.42	17.32	19.00
20	256QAM	1	0	15.22	15.42	15.32	17.00
20	256QAM	1	49	15.31	15.49	15.43	17.00
20	256QAM	1	99	15.24	15.42	15.33	17.00
20	256QAM	50	0	15.31	15.54	15.43	17.00
20	256QAM	50	24	15.26	15.39	15.25	17.00
20	256QAM	50	50	15.31	15.47	15.42	17.00
20	256QAM	100	0	15.46	15.59	15.46	17.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.37	20.45	20.49	22.00
15	QPSK	1	37	20.04	20.29	20.16	22.00
15	QPSK	1	74	20.02	20.18	20.09	22.00
15	QPSK	36	0	19.52	19.58	19.40	21.00
15	QPSK	36	20	19.14	19.35	19.16	21.00
15	QPSK	36	39	19.24	19.56	19.46	21.00
15	QPSK	75	0	19.23	19.48	19.35	21.00
15	16QAM	1	0	19.30	19.53	19.40	21.00
15	16QAM	1	37	19.15	19.32	19.14	21.00
15	16QAM	1	74	19.21	19.38	19.33	21.00
15	16QAM	36	0	18.21	18.48	18.39	20.00
15	16QAM	36	20	18.19	18.29	18.29	20.00
15	16QAM	36	39	18.08	18.38	18.32	20.00
15	16QAM	75	0	18.20	18.37	18.31	20.00
15	64QAM	1	0	18.14	18.46	18.28	20.00
15	64QAM	1	37	18.27	18.52	18.32	20.00



15	64QAM	1	74	18.17	18.48	18.22	20.00
15	64QAM	36	0	17.39	17.50	17.37	19.00
15	64QAM	36	20	17.27	17.52	17.39	19.00
15	64QAM	36	39	17.04	17.37	17.20	19.00
15	64QAM	75	0	17.20	17.39	17.17	19.00
15	256QAM	1	0	15.13	15.29	15.26	17.00
15	256QAM	1	37	15.16	15.47	15.36	17.00
15	256QAM	1	74	15.12	15.37	15.29	17.00
15	256QAM	36	0	15.27	15.47	15.35	17.00
15	256QAM	36	20	15.13	15.30	15.15	17.00
15	256QAM	36	39	15.17	15.35	15.34	17.00
15	256QAM	75	0	15.38	15.55	15.44	17.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	20.41	20.57	20.40	22.00
10	QPSK	1	25	20.08	20.23	20.26	22.00
10	QPSK	1	49	20.00	20.23	20.19	22.00
10	QPSK	25	0	19.44	19.58	19.42	21.00
10	QPSK	25	12	19.14	19.29	19.13	21.00
10	QPSK	25	25	19.31	19.51	19.40	21.00
10	QPSK	50	0	19.18	19.47	19.27	21.00
10	16QAM	1	0	19.21	19.44	19.36	21.00
10	16QAM	1	25	19.06	19.34	19.10	21.00
10	16QAM	1	49	19.24	19.40	19.30	21.00
10	16QAM	25	0	18.29	18.42	18.37	20.00
10	16QAM	25	12	18.05	18.32	18.25	20.00
10	16QAM	25	25	18.09	18.34	18.28	20.00
10	16QAM	50	0	18.28	18.30	18.24	20.00
10	64QAM	1	0	18.21	18.48	18.37	20.00
10	64QAM	1	25	18.26	18.48	18.29	20.00
10	64QAM	1	49	18.19	18.43	18.29	20.00
10	64QAM	25	0	17.31	17.45	17.35	19.00
10	64QAM	25	12	17.26	17.51	17.44	19.00
10	64QAM	25	25	17.07	17.43	17.17	19.00
10	64QAM	50	0	17.16	17.39	17.19	19.00
10	256QAM	1	0	15.15	15.37	15.18	17.00
10	256QAM	1	25	15.27	15.40	15.39	17.00
10	256QAM	1	49	15.14	15.33	15.31	17.00
10	256QAM	25	0	15.17	15.49	15.31	17.00
10	256QAM	25	12	15.14	15.33	15.16	17.00
10	256QAM	25	25	15.28	15.35	15.31	17.00
10	256QAM	50	0	15.43	15.46	15.32	17.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	20.43	20.52	20.49	22.00
5	QPSK	1	12	20.05	20.22	20.14	22.00
5	QPSK	1	24	20.01	20.27	20.19	22.00
5	QPSK	12	0	19.51	19.54	19.39	21.00
5	QPSK	12	7	19.15	19.37	19.13	21.00
5	QPSK	12	13	19.19	19.57	19.37	21.00
5	QPSK	25	0	19.22	19.46	19.27	21.00
5	16QAM	1	0	19.26	19.50	19.42	21.00
5	16QAM	1	12	19.11	19.37	19.09	21.00
5	16QAM	1	24	19.17	19.47	19.36	21.00
5	16QAM	12	0	18.21	18.49	18.27	20.00
5	16QAM	12	7	18.05	18.32	18.35	20.00
5	16QAM	12	13	18.15	18.38	18.28	20.00
5	16QAM	25	0	18.19	18.34	18.25	20.00
5	64QAM	1	0	18.24	18.43	18.37	20.00
5	64QAM	1	12	18.22	18.49	18.32	20.00
5	64QAM	1	24	18.13	18.49	18.32	20.00
5	64QAM	12	0	17.41	17.58	17.33	19.00
5	64QAM	12	7	17.20	17.40	17.33	19.00
5	64QAM	12	13	17.10	17.30	17.15	19.00
5	64QAM	25	0	17.19	17.37	17.18	19.00
5	256QAM	1	0	15.14	15.35	15.27	17.00
5	256QAM	1	12	15.18	15.38	15.35	17.00
5	256QAM	1	24	15.23	15.28	15.25	17.00
5	256QAM	12	0	15.16	15.45	15.30	17.00
5	256QAM	12	7	15.18	15.38	15.23	17.00
5	256QAM	12	13	15.17	15.46	15.40	17.00
5	256QAM	25	0	15.32	15.44	15.31	17.00



【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_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				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.06	23.12	23.02	24.00
20	QPSK	1	49	22.73	22.82	22.67	24.00
20	QPSK	1	99	22.77	22.89	22.75	24.00
20	QPSK	50	0	22.11	22.15	22.13	23.00
20	QPSK	50	24	22.02	22.09	21.94	23.00
20	QPSK	50	50	21.89	22.06	21.91	23.00
20	QPSK	100	0	22.01	22.13	21.97	23.00
20	16QAM	1	0	22.03	22.12	21.96	23.00
20	16QAM	1	49	21.86	22.06	21.94	23.00
20	16QAM	1	99	21.98	22.10	21.93	23.00
20	16QAM	50	0	20.94	21.03	20.84	22.00
20	16QAM	50	24	20.75	20.93	20.77	22.00
20	16QAM	50	50	20.85	21.05	20.92	22.00
20	16QAM	100	0	20.92	21.05	20.87	22.00
20	64QAM	1	0	20.95	21.06	20.87	22.00
20	64QAM	1	49	20.97	21.08	20.95	22.00
20	64QAM	1	99	20.85	21.04	20.85	22.00
20	64QAM	50	0	19.94	20.05	19.93	21.00
20	64QAM	50	24	19.77	19.92	19.74	21.00
20	64QAM	50	50	19.84	19.94	19.79	21.00
20	64QAM	100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00
20	256QAM	1	49	17.76	17.94	17.80	19.00
20	256QAM	1	99	17.78	17.91	17.81	19.00
20	256QAM	50	0	17.97	18.07	17.85	19.00
20	256QAM	50	24	17.80	17.97	17.77	19.00
20	256QAM	50	50	17.98	18.07	17.97	19.00
20	256QAM	100	0	17.87	17.94	17.83	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.98	23.10	23.00	24.00
15	QPSK	1	37	22.70	22.72	22.58	24.00
15	QPSK	1	74	22.63	22.80	22.67	24.00
15	QPSK	36	0	22.10	22.08	22.09	23.00
15	QPSK	36	20	22.00	21.96	21.86	23.00
15	QPSK	36	39	21.77	22.05	21.87	23.00
15	QPSK	75	0	21.88	22.02	21.90	23.00
15	16QAM	1	0	21.94	22.08	21.95	23.00
15	16QAM	1	37	21.79	22.00	21.92	23.00
15	16QAM	1	74	21.95	22.04	21.89	23.00
15	16QAM	36	0	20.85	20.96	20.83	22.00
15	16QAM	36	20	20.63	20.89	20.65	22.00
15	16QAM	36	39	20.70	21.02	20.87	22.00
15	16QAM	75	0	20.85	21.01	20.75	22.00
15	64QAM	1	0	20.84	21.00	20.85	22.00
15	64QAM	1	37	20.91	20.97	20.83	22.00
15	64QAM	1	74	20.71	20.89	20.73	22.00
15	64QAM	36	0	19.81	19.98	19.89	21.00
15	64QAM	36	20	19.69	19.88	19.61	21.00
15	64QAM	36	39	19.73	19.82	19.72	21.00
15	64QAM	75	0	19.88	20.03	19.76	21.00
15	256QAM	1	0	17.89	17.91	17.88	19.00
15	256QAM	1	37	17.62	17.93	17.73	19.00
15	256QAM	1	74	17.68	17.77	17.72	19.00
15	256QAM	36	0	17.95	18.00	17.77	19.00
15	256QAM	36	20	17.78	17.89	17.76	19.00
15	256QAM	36	39	17.89	17.99	17.86	19.00
15	256QAM	75	0	17.77	17.89	17.76	19.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.04	22.98	23.00	24.00
10	QPSK	1	25	22.63	22.76	22.53	24.00
10	QPSK	1	49	22.70	22.82	22.61	24.00
10	QPSK	25	0	21.99	22.03	22.07	23.00
10	QPSK	25	12	21.95	22.02	21.86	23.00
10	QPSK	25	25	21.78	22.01	21.84	23.00
10	QPSK	50	0	21.95	22.06	21.88	23.00
10	16QAM	1	0	21.94	22.08	21.89	23.00
10	16QAM	1	25	21.79	21.98	21.79	23.00
10	16QAM	1	49	21.92	21.97	21.82	23.00
10	16QAM	25	0	20.90	20.90	20.78	22.00
10	16QAM	25	12	20.72	20.82	20.73	22.00



10	16QAM	25	25	20.74	20.94	20.84	22.00
10	16QAM	50	0	20.81	20.91	20.80	22.00
10	64QAM	1	0	20.82	20.92	20.83	22.00
10	64QAM	1	25	20.90	21.07	20.88	22.00
10	64QAM	1	49	20.75	20.90	20.73	22.00
10	64QAM	25	0	19.90	19.94	19.82	21.00
10	64QAM	25	12	19.69	19.90	19.67	21.00
10	64QAM	25	25	19.70	19.90	19.73	21.00
10	64QAM	50	0	19.92	20.00	19.81	21.00
10	256QAM	1	0	17.85	17.98	17.79	19.00
10	256QAM	1	25	17.72	17.87	17.70	19.00
10	256QAM	1	49	17.73	17.84	17.78	19.00
10	256QAM	25	0	17.88	18.05	17.72	19.00
10	256QAM	25	12	17.71	17.95	17.73	19.00
10	256QAM	25	25	17.89	17.94	17.87	19.00
10	256QAM	50	0	17.74	17.88	17.77	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.96	23.00	22.95	24.00
5	QPSK	1	12	22.70	22.80	22.59	24.00
5	QPSK	1	24	22.66	22.74	22.63	24.00
5	QPSK	12	0	22.06	22.14	22.06	23.00
5	QPSK	12	7	22.00	22.05	21.85	23.00
5	QPSK	12	13	21.83	21.98	21.88	23.00
5	QPSK	25	0	21.95	21.99	21.92	23.00
5	16QAM	1	0	21.92	22.02	21.89	23.00
5	16QAM	1	12	21.83	21.96	21.88	23.00
5	16QAM	1	24	21.89	22.01	21.88	23.00
5	16QAM	12	0	20.91	20.99	20.70	22.00
5	16QAM	12	7	20.68	20.86	20.75	22.00
5	16QAM	12	13	20.82	21.00	20.77	22.00
5	16QAM	25	0	20.81	21.00	20.85	22.00
5	64QAM	1	0	20.81	20.97	20.82	22.00
5	64QAM	1	12	20.89	20.97	20.87	22.00
5	64QAM	1	24	20.79	20.92	20.77	22.00
5	64QAM	12	0	19.91	20.02	19.79	21.00
5	64QAM	12	7	19.63	19.89	19.63	21.00
5	64QAM	12	13	19.72	19.81	19.75	21.00
5	64QAM	25	0	19.83	20.02	19.86	21.00
5	256QAM	1	0	17.92	17.96	17.86	19.00
5	256QAM	1	12	17.62	17.89	17.71	19.00
5	256QAM	1	24	17.67	17.83	17.78	19.00
5	256QAM	12	0	17.87	17.95	17.81	19.00
5	256QAM	12	7	17.77	17.84	17.66	19.00
5	256QAM	12	13	17.89	17.92	17.91	19.00
5	256QAM	25	0	17.84	17.89	17.73	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.90	23.05	22.97	24.00
20	QPSK	1	49	22.65	22.89	22.78	24.00
20	QPSK	1	99	22.62	22.90	22.76	24.00
20	QPSK	50	0	22.01	22.06	22.03	23.00
20	QPSK	50	24	21.78	21.95	21.78	23.00
20	QPSK	50	50	21.68	21.85	21.76	23.00
20	QPSK	100	0	21.76	22.02	21.85	23.00
20	16QAM	1	0	21.84	22.04	21.84	23.00
20	16QAM	1	49	21.80	22.00	21.87	23.00
20	16QAM	1	99	21.70	21.92	21.70	23.00
20	16QAM	50	0	20.73	20.97	20.76	22.00
20	16QAM	50	24	20.61	20.88	20.78	22.00
20	16QAM	50	50	20.68	20.90	20.79	22.00
20	16QAM	100	0	20.78	21.00	20.87	22.00
20	64QAM	1	0	20.79	21.03	20.86	22.00
20	64QAM	1	49	20.76	20.99	20.80	22.00
20	64QAM	1	99	20.69	20.92	20.76	22.00
20	64QAM	50	0	19.85	20.03	19.89	21.00
20	64QAM	50	24	19.74	19.92	19.79	21.00
20	64QAM	50	50	19.80	19.99	19.78	21.00



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20	64QAM	100	0	19.79	20.01	19.83	21.00
20	256QAM	1	0	17.87	18.06	17.90	19.00
20	256QAM	1	49	17.84	18.04	17.92	19.00
20	256QAM	1	99	17.71	17.94	17.74	19.00
20	256QAM	50	0	17.69	17.87	17.68	19.00
20	256QAM	50	24	17.85	17.98	17.84	19.00
20	256QAM	50	50	17.90	18.03	17.89	19.00
20	256QAM	100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up limit
Frequency (MHz)				3557.5	3575	3592.5	(dBm)
15	QPSK	1	0	22.83	22.92	22.89	24.00
15	QPSK	1	37	22.60	22.88	22.69	24.00
15	QPSK	1	74	22.48	22.84	22.67	24.00
15	QPSK	36	0	21.96	21.98	21.98	23.00
15	QPSK	36	20	21.66	21.94	21.64	23.00
15	QPSK	36	39	21.59	21.73	21.65	23.00
15	QPSK	75	0	21.72	21.93	21.79	23.00
15	16QAM	1	0	21.70	21.93	21.75	23.00
15	16QAM	1	37	21.68	21.90	21.80	23.00
15	16QAM	1	74	21.64	21.83	21.68	23.00
15	16QAM	36	0	20.65	20.82	20.72	22.00
15	16QAM	36	20	20.48	20.84	20.69	22.00
15	16QAM	36	39	20.63	20.79	20.73	22.00
15	16QAM	75	0	20.77	20.92	20.86	22.00
15	64QAM	1	0	20.71	20.92	20.76	22.00
15	64QAM	1	37	20.68	20.97	20.66	22.00
15	64QAM	1	74	20.64	20.89	20.61	22.00
15	64QAM	36	0	19.77	19.98	19.86	21.00
15	64QAM	36	20	19.68	19.88	19.68	21.00
15	64QAM	36	39	19.76	19.98	19.65	21.00
15	64QAM	75	0	19.72	19.97	19.79	21.00
15	256QAM	1	0	17.84	18.00	17.87	19.00
15	256QAM	1	37	17.75	17.91	17.81	19.00
15	256QAM	1	74	17.57	17.81	17.72	19.00
15	256QAM	36	0	17.59	17.75	17.62	19.00
15	256QAM	36	20	17.71	17.84	17.77	19.00
15	256QAM	36	39	17.76	17.91	17.87	19.00
15	256QAM	75	0	17.57	17.87	17.74	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	22.89	22.90	22.85	24.00
10	QPSK	1	25	22.51	22.80	22.74	24.00
10	QPSK	1	49	22.55	22.83	22.61	24.00
10	QPSK	25	0	21.87	21.98	21.92	23.00
10	QPSK	25	12	21.72	21.93	21.71	23.00
10	QPSK	25	25	21.63	21.82	21.72	23.00
10	QPSK	50	0	21.75	21.87	21.80	23.00
10	16QAM	1	0	21.82	21.96	21.81	23.00
10	16QAM	1	25	21.78	21.88	21.72	23.00
10	16QAM	1	49	21.58	21.81	21.58	23.00
10	16QAM	25	0	20.67	20.84	20.74	22.00
10	16QAM	25	12	20.52	20.79	20.66	22.00
10	16QAM	25	25	20.59	20.88	20.73	22.00
10	16QAM	50	0	20.63	20.91	20.85	22.00
10	64QAM	1	0	20.71	20.96	20.84	22.00
10	64QAM	1	25	20.70	20.93	20.70	22.00
10	64QAM	1	49	20.59	20.82	20.66	22.00
10	64QAM	25	0	19.74	20.02	19.86	21.00
10	64QAM	25	12	19.64	19.82	19.75	21.00
10	64QAM	25	25	19.73	19.84	19.68	21.00
10	64QAM	50	0	19.77	19.88	19.72	21.00
10	256QAM	1	0	17.81	17.92	17.86	19.00
10	256QAM	1	25	17.79	17.92	17.87	19.00
10	256QAM	1	49	17.63	17.89	17.61	19.00
10	256QAM	25	0	17.66	17.81	17.57	19.00
10	256QAM	25	12	17.73	17.90	17.71	19.00
10	256QAM	25	25	17.77	17.99	17.80	19.00
10	256QAM	50	0	17.61	17.84	17.76	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	22.83	22.90	22.91	24.00
5	QPSK	1	12	22.63	22.82	22.72	24.00
5	QPSK	1	24	22.50	22.82	22.69	24.00
5	QPSK	12	0	21.94	21.93	21.90	23.00
5	QPSK	12	7	21.74	21.93	21.74	23.00
5	QPSK	12	13	21.63	21.76	21.68	23.00
5	QPSK	25	0	21.73	21.97	21.77	23.00
5	16QAM	1	0	21.73	21.89	21.71	23.00

5	16QAM	1	12	21.67	21.96	21.78	23.00
5	16QAM	1	24	21.68	21.84	21.65	23.00
5	16QAM	12	0	20.61	20.94	20.73	22.00
5	16QAM	12	7	20.49	20.77	20.73	22.00
5	16QAM	12	13	20.56	20.79	20.74	22.00
5	16QAM	25	0	20.65	20.94	20.78	22.00
5	64QAM	1	0	20.67	20.99	20.81	22.00
5	64QAM	1	12	20.68	20.89	20.69	22.00
5	64QAM	1	24	20.66	20.78	20.65	22.00
5	64QAM	12	0	19.71	19.92	19.81	21.00
5	64QAM	12	7	19.62	19.90	19.71	21.00
5	64QAM	12	13	19.78	19.97	19.72	21.00
5	64QAM	25	0	19.71	19.89	19.81	21.00
5	256QAM	1	0	17.80	17.94	17.78	19.00
5	256QAM	1	12	17.82	17.91	17.82	19.00
5	256QAM	1	24	17.66	17.89	17.61	19.00
5	256QAM	12	0	17.67	17.75	17.61	19.00
5	256QAM	12	7	17.73	17.93	17.73	19.00
5	256QAM	12	13	17.81	18.00	17.76	19.00
5	256QAM	25	0	17.61	17.83	17.73	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.06	23.12	23.02	24.00
20	QPSK	1	49	22.73	22.82	22.67	24.00
20	QPSK	1	99	22.77	22.89	22.75	24.00
20	QPSK	50	0	22.11	22.15	22.13	23.00
20	QPSK	50	24	22.02	22.09	21.94	23.00
20	QPSK	50	50	21.89	22.06	21.91	23.00
20	QPSK	100	0	22.01	22.13	21.97	23.00
20	16QAM	1	0	22.03	22.12	21.96	23.00
20	16QAM	1	49	21.86	22.06	21.94	23.00
20	16QAM	1	99	21.98	22.10	21.93	23.00
20	16QAM	50	0	20.94	21.03	20.84	22.00
20	16QAM	50	24	20.75	20.93	20.77	22.00
20	16QAM	50	50	20.85	21.05	20.92	22.00
20	16QAM	100	0	20.92	21.05	20.87	22.00
20	64QAM	1	0	20.95	21.06	20.87	22.00
20	64QAM	1	49	20.97	21.08	20.95	22.00
20	64QAM	1	99	20.85	21.04	20.85	22.00
20	64QAM	50	0	19.94	20.05	19.93	21.00
20	64QAM	50	24	19.77	19.92	19.74	21.00
20	64QAM	50	50	19.84	19.94	19.79	21.00
20	64QAM	100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00
20	256QAM	1	49	17.76	17.94	17.80	19.00
20	256QAM	1	99	17.78	17.91	17.81	19.00
20	256QAM	50	0	17.97	18.07	17.85	19.00
20	256QAM	50	24	17.80	17.97	17.77	19.00
20	256QAM	50	50	17.98	18.07	17.97	19.00
20	256QAM	100	0	17.87	17.94	17.83	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.98	23.10	23.00	24.00
15	QPSK	1	37	22.70	22.72	22.58	24.00
15	QPSK	1	74	22.63	22.80	22.67	24.00
15	QPSK	36	0	22.10	22.08	22.09	23.00
15	QPSK	36	20	22.00	21.96	21.86	23.00
15	QPSK	36	39	21.77	22.05	21.87	23.00
15	QPSK	75	0	21.88	22.02	21.90	23.00
15	16QAM	1	0	21.94	22.08	21.95	23.00
15	16QAM	1	37	21.79	22.00	21.92	23.00
15	16QAM	1	74	21.95	22.04	21.89	23.00
15	16QAM	36	0	20.85	20.96	20.83	22.00
15	16QAM	36	20	20.63	20.89	20.65	22.00
15	16QAM	36	39	20.70	21.02	20.87	22.00
15	16QAM	75	0	20.85	21.01	20.75	22.00
15	64QAM	1	0	20.84	21.00	20.85	22.00
15	64QAM	1	37	20.91	20.97	20.83	22.00



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15	64QAM	1	74	20.71	20.89	20.73	22.00
15	64QAM	36	0	19.81	19.98	19.89	21.00
15	64QAM	36	20	19.69	19.88	19.61	21.00
15	64QAM	36	39	19.73	19.82	19.72	21.00
15	64QAM	75	0	19.88	20.03	19.76	21.00
15	256QAM	1	0	17.89	17.91	17.88	19.00
15	256QAM	1	37	17.62	17.93	17.73	19.00
15	256QAM	1	74	17.68	17.77	17.72	19.00
15	256QAM	36	0	17.95	18.00	17.77	19.00
15	256QAM	36	20	17.78	17.89	17.76	19.00
15	256QAM	36	39	17.89	17.99	17.86	19.00
15	256QAM	75	0	17.77	17.89	17.76	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	23.04	22.98	23.00	24.00
10	QPSK	1	25	22.63	22.76	22.53	24.00
10	QPSK	1	49	22.70	22.82	22.61	24.00
10	QPSK	25	0	21.99	22.03	22.07	23.00
10	QPSK	25	12	21.95	22.02	21.86	23.00
10	QPSK	25	25	21.78	22.01	21.84	23.00
10	QPSK	50	0	21.95	22.06	21.88	23.00
10	16QAM	1	0	21.94	22.08	21.89	23.00
10	16QAM	1	25	21.79	21.98	21.79	23.00
10	16QAM	1	49	21.92	21.97	21.82	23.00
10	16QAM	25	0	20.90	20.90	20.78	22.00
10	16QAM	25	12	20.72	20.82	20.73	22.00
10	16QAM	25	25	20.74	20.94	20.84	22.00
10	16QAM	50	0	20.81	20.91	20.80	22.00
10	64QAM	1	0	20.82	20.92	20.83	22.00
10	64QAM	1	25	20.90	21.07	20.88	22.00
10	64QAM	1	49	20.75	20.90	20.73	22.00
10	64QAM	25	0	19.90	19.94	19.82	21.00
10	64QAM	25	12	19.69	19.90	19.67	21.00
10	64QAM	25	25	19.70	19.90	19.73	21.00
10	64QAM	50	0	19.92	20.00	19.81	21.00
10	256QAM	1	0	17.85	17.98	17.79	19.00
10	256QAM	1	25	17.72	17.87	17.70	19.00
10	256QAM	1	49	17.73	17.84	17.78	19.00
10	256QAM	25	0	17.88	18.05	17.72	19.00
10	256QAM	25	12	17.71	17.95	17.73	19.00
10	256QAM	25	25	17.89	17.94	17.87	19.00
10	256QAM	50	0	17.74	17.88	17.77	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	22.96	23.00	22.95	24.00
5	QPSK	1	12	22.70	22.80	22.59	24.00
5	QPSK	1	24	22.66	22.74	22.63	24.00
5	QPSK	12	0	22.06	22.14	22.06	23.00
5	QPSK	12	7	22.00	22.05	21.85	23.00
5	QPSK	12	13	21.83	21.98	21.88	23.00
5	QPSK	25	0	21.95	21.99	21.92	23.00
5	16QAM	1	0	21.92	22.02	21.89	23.00
5	16QAM	1	12	21.83	21.96	21.88	23.00
5	16QAM	1	24	21.89	22.01	21.88	23.00
5	16QAM	12	0	20.91	20.99	20.70	22.00
5	16QAM	12	7	20.68	20.86	20.75	22.00
5	16QAM	12	13	20.82	21.00	20.77	22.00
5	16QAM	25	0	20.81	21.00	20.85	22.00
5	64QAM	1	0	20.81	20.97	20.82	22.00
5	64QAM	1	12	20.89	20.97	20.87	22.00
5	64QAM	1	24	20.79	20.92	20.77	22.00
5	64QAM	12	0	19.91	20.02	19.79	21.00
5	64QAM	12	7	19.63	19.89	19.63	21.00
5	64QAM	12	13	19.72	19.81	19.75	21.00
5	64QAM	25	0	19.83	20.02	19.86	21.00
5	256QAM	1	0	17.92	17.96	17.86	19.00
5	256QAM	1	12	17.62	17.89	17.71	19.00
5	256QAM	1	24	17.67	17.83	17.78	19.00
5	256QAM	12	0	17.87	17.95	17.81	19.00
5	256QAM	12	7	17.77	17.84	17.66	19.00
5	256QAM	12	13	17.89	17.92	17.91	19.00
5	256QAM	25	0	17.84	17.89	17.73	19.00

**【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.90	23.05	22.97	24.00
20	QPSK	1	49	22.65	22.89	22.78	24.00
20	QPSK	1	99	22.62	22.90	22.76	24.00
20	QPSK	50	0	22.01	22.06	22.03	23.00
20	QPSK	50	24	21.78	21.95	21.78	23.00
20	QPSK	50	50	21.68	21.85	21.76	23.00
20	QPSK	100	0	21.76	22.02	21.85	23.00
20	16QAM	1	0	21.84	22.04	21.84	23.00
20	16QAM	1	49	21.80	22.00	21.87	23.00
20	16QAM	1	99	21.70	21.92	21.70	23.00
20	16QAM	50	0	20.73	20.97	20.76	22.00
20	16QAM	50	24	20.61	20.88	20.78	22.00
20	16QAM	50	50	20.68	20.90	20.79	22.00
20	16QAM	100	0	20.78	21.00	20.87	22.00
20	64QAM	1	0	20.79	21.03	20.86	22.00
20	64QAM	1	49	20.76	20.99	20.80	22.00
20	64QAM	1	99	20.69	20.92	20.76	22.00
20	64QAM	50	0	19.85	20.03	19.89	21.00
20	64QAM	50	24	19.74	19.92	19.79	21.00
20	64QAM	50	50	19.80	19.99	19.78	21.00
20	64QAM	100	0	19.79	20.01	19.83	21.00
20	256QAM	1	0	17.87	18.06	17.90	19.00
20	256QAM	1	49	17.84	18.04	17.92	19.00
20	256QAM	1	99	17.71	17.94	17.74	19.00
20	256QAM	50	0	17.69	17.87	17.68	19.00
20	256QAM	50	24	17.85	17.98	17.84	19.00
20	256QAM	50	50	17.90	18.03	17.89	19.00
20	256QAM	100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	22.83	22.92	22.89	24.00
15	QPSK	1	37	22.60	22.88	22.69	24.00
15	QPSK	1	74	22.48	22.84	22.67	24.00
15	QPSK	36	0	21.96	21.98	21.98	23.00
15	QPSK	36	20	21.66	21.94	21.64	23.00
15	QPSK	36	39	21.59	21.73	21.65	23.00
15	QPSK	75	0	21.72	21.93	21.79	23.00
15	16QAM	1	0	21.70	21.93	21.75	23.00
15	16QAM	1	37	21.68	21.90	21.80	23.00
15	16QAM	1	74	21.64	21.83	21.68	23.00
15	16QAM	36	0	20.65	20.82	20.72	22.00
15	16QAM	36	20	20.48	20.84	20.69	22.00
15	16QAM	36	39	20.63	20.79	20.73	22.00
15	16QAM	75	0	20.77	20.92	20.86	22.00
15	64QAM	1	0	20.71	20.92	20.76	22.00
15	64QAM	1	37	20.68	20.97	20.66	22.00
15	64QAM	1	74	20.64	20.89	20.61	22.00
15	64QAM	36	0	19.77	19.98	19.86	21.00
15	64QAM	36	20	19.68	19.88	19.68	21.00
15	64QAM	36	39	19.76	19.98	19.65	21.00
15	64QAM	75	0	19.72	19.97	19.79	21.00
15	256QAM	1	0	17.84	18.00	17.87	19.00
15	256QAM	1	37	17.75	17.91	17.81	19.00
15	256QAM	1	74	17.57	17.81	17.72	19.00
15	256QAM	36	0	17.59	17.75	17.62	19.00
15	256QAM	36	20	17.71	17.84	17.77	19.00
15	256QAM	36	39	17.76	17.91	17.87	19.00
15	256QAM	75	0	17.57	17.87	17.74	19.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	22.89	22.90	22.85	24.00
10	QPSK	1	25	22.51	22.80	22.74	24.00
10	QPSK	1	49	22.55	22.83	22.61	24.00
10	QPSK	25	0	21.87	21.98	21.92	23.00
10	QPSK	25	12	21.72	21.93	21.71	23.00
10	QPSK	25	25	21.63	21.82	21.72	23.00
10	QPSK	50	0	21.75	21.87	21.80	23.00
10	16QAM	1	0	21.82	21.96	21.81	23.00
10	16QAM	1	25	21.78	21.88	21.72	23.00
10	16QAM	1	49	21.58	21.81	21.58	23.00
10	16QAM	25	0	20.67	20.84	20.74	22.00
10	16QAM	25	12	20.52	20.79	20.66	22.00



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10	16QAM	25	25	20.59	20.88	20.73	22.00
10	16QAM	50	0	20.63	20.91	20.85	22.00
10	64QAM	1	0	20.71	20.96	20.84	22.00
10	64QAM	1	25	20.70	20.93	20.70	22.00
10	64QAM	1	49	20.59	20.82	20.66	22.00
10	64QAM	25	0	19.74	20.02	19.86	21.00
10	64QAM	25	12	19.64	19.82	19.75	21.00
10	64QAM	25	25	19.73	19.84	19.68	21.00
10	64QAM	50	0	19.77	19.88	19.72	21.00
10	256QAM	1	0	17.81	17.92	17.86	19.00
10	256QAM	1	25	17.79	17.92	17.87	19.00
10	256QAM	1	49	17.63	17.89	17.61	19.00
10	256QAM	25	0	17.66	17.81	17.57	19.00
10	256QAM	25	12	17.73	17.90	17.71	19.00
10	256QAM	25	25	17.77	17.99	17.80	19.00
10	256QAM	50	0	17.61	17.84	17.76	19.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	22.83	22.90	22.91	24.00
5	QPSK	1	12	22.63	22.82	22.72	24.00
5	QPSK	1	24	22.50	22.82	22.69	24.00
5	QPSK	12	0	21.94	21.93	21.90	23.00
5	QPSK	12	7	21.74	21.93	21.74	23.00
5	QPSK	12	13	21.63	21.76	21.68	23.00
5	QPSK	25	0	21.73	21.97	21.77	23.00
5	16QAM	1	0	21.73	21.89	21.71	23.00
5	16QAM	1	12	21.67	21.96	21.78	23.00
5	16QAM	1	24	21.68	21.84	21.65	23.00
5	16QAM	12	0	20.61	20.94	20.73	22.00
5	16QAM	12	7	20.49	20.77	20.73	22.00
5	16QAM	12	13	20.56	20.79	20.74	22.00
5	16QAM	25	0	20.65	20.94	20.78	22.00
5	64QAM	1	0	20.67	20.99	20.81	22.00
5	64QAM	1	12	20.68	20.89	20.69	22.00
5	64QAM	1	24	20.66	20.78	20.65	22.00
5	64QAM	12	0	19.71	19.92	19.81	21.00
5	64QAM	12	7	19.62	19.90	19.71	21.00
5	64QAM	12	13	19.78	19.97	19.72	21.00
5	64QAM	25	0	19.71	19.89	19.81	21.00
5	256QAM	1	0	17.80	17.94	17.78	19.00
5	256QAM	1	12	17.82	17.91	17.82	19.00
5	256QAM	1	24	17.66	17.89	17.61	19.00
5	256QAM	12	0	17.67	17.75	17.61	19.00
5	256QAM	12	7	17.73	17.93	17.73	19.00
5	256QAM	12	13	17.81	18.00	17.76	19.00
5	256QAM	25	0	17.61	17.83	17.73	19.00

<LTE Band 42 (27Q)_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.06	22.12	22.02	23.00
20		1	49	21.73	21.82	21.67	23.00
20		1	99	21.77	21.89	21.75	23.00
20		50	0	22.01	22.05	22.03	23.00
20		50	24	21.92	21.99	21.84	23.00
20		50	50	21.79	21.96	21.81	23.00
20		100	0	21.91	22.03	21.87	23.00
20	16QAM	1	0	22.03	22.12	21.96	23.00
20		1	49	21.86	22.06	21.94	23.00
20		1	99	21.98	22.10	21.93	23.00
20		50	0	20.94	21.03	20.84	22.00
20		50	24	20.75	20.93	20.77	22.00
20		50	50	20.85	21.05	20.92	22.00
20		100	0	20.92	21.05	20.87	22.00
20	64QAM	1	0	20.95	21.06	20.87	22.00
20		1	49	20.97	21.08	20.95	22.00
20		1	99	20.85	21.04	20.85	22.00
20		50	0	19.94	20.05	19.93	21.00
20		50	24	19.77	19.92	19.74	21.00
20		50	50	19.84	19.94	19.79	21.00
20		100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00



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20		1	49	17.76	17.94	17.80	19.00	
20		1	99	17.78	17.91	17.81	19.00	
20		50	0	17.97	18.07	17.85	19.00	
20		50	24	17.80	17.97	17.77	19.00	
20		50	50	17.98	18.07	17.97	19.00	
20		100	0	17.87	17.94	17.83	19.00	
Channel				42165	42590	43015	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.98	22.10	22.00	23.00	
15		1	37	21.70	21.72	21.58	23.00	
15		1	74	21.63	21.80	21.67	23.00	
15		36	0	22.10	22.08	22.09	23.00	
15		36	20	22.00	21.96	21.86	23.00	
15		36	39	21.77	22.05	21.87	23.00	
15	16QAM	75	0	21.88	22.02	21.90	23.00	
15		1	0	21.94	22.08	21.95	23.00	
15		1	37	21.79	22.00	21.92	23.00	
15		1	74	21.95	22.04	21.89	23.00	
15		36	0	20.85	20.96	20.83	22.00	
15		36	20	20.63	20.89	20.65	22.00	
15	64QAM	36	39	20.70	21.02	20.87	22.00	
15		75	0	20.85	21.01	20.75	22.00	
15		1	0	20.84	21.00	20.85	22.00	
15		1	37	20.91	20.97	20.83	22.00	
15		1	74	20.71	20.89	20.73	22.00	
15		36	0	19.81	19.98	19.89	21.00	
15	256QAM	36	20	19.69	19.88	19.61	21.00	
15		36	39	19.73	19.82	19.72	21.00	
15		75	0	19.88	20.03	19.76	21.00	
15		1	0	17.89	17.91	17.88	19.00	
15		1	37	17.62	17.93	17.73	19.00	
15		1	74	17.68	17.77	17.72	19.00	
15		36	0	17.95	18.00	17.77	19.00	
15		36	20	17.78	17.89	17.76	19.00	
15		36	39	17.89	17.99	17.86	19.00	
15		75	0	17.77	17.89	17.76	19.00	
Channel				42140	42590	43040	Tune-up Limit (dBm)	
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.04	21.98	22.00	23.00	
10		1	25	21.63	21.76	21.53	23.00	
10		1	49	21.70	21.82	21.61	23.00	
10		25	0	21.99	22.03	22.07	23.00	
10		25	12	21.95	22.02	21.86	23.00	
10		25	25	21.78	22.01	21.84	23.00	
10	16QAM	50	0	21.95	22.06	21.88	23.00	
10		1	0	21.94	22.08	21.89	23.00	
10		1	25	21.79	21.98	21.79	23.00	
10		1	49	21.92	21.97	21.82	23.00	
10		25	0	20.90	20.90	20.78	22.00	
10		25	12	20.72	20.82	20.73	22.00	
10	64QAM	25	25	20.74	20.94	20.84	22.00	
10		50	0	20.81	20.91	20.80	22.00	
10		1	0	20.82	20.92	20.83	22.00	
10		1	25	20.90	21.07	20.88	22.00	
10		1	49	20.75	20.90	20.73	22.00	
10		25	0	19.90	19.94	19.82	21.00	
10	256QAM	25	12	19.69	19.90	19.67	21.00	
10		25	25	19.70	19.90	19.73	21.00	
10		50	0	19.92	20.00	19.81	21.00	
10		1	0	17.85	17.98	17.79	19.00	
10		1	25	17.72	17.87	17.70	19.00	
10		1	49	17.73	17.84	17.78	19.00	
10		25	0	17.88	18.05	17.72	19.00	
10		25	12	17.71	17.95	17.73	19.00	
10		25	25	17.89	17.94	17.87	19.00	
10		50	0	17.74	17.88	17.77	19.00	
Channel				42115	42590	43065	Tune-up Limit (dBm)	
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.96	22.00	21.95	23.00	
5		1	12	21.70	21.80	21.59	23.00	
5		1	24	21.66	21.74	21.63	23.00	
5		12	0	21.96	22.04	21.96	23.00	
5		12	7	21.90	21.95	21.75	23.00	
5		12	13	21.73	21.88	21.78	23.00	
5	16QAM	25	0	21.85	21.89	21.82	23.00	
5		1	0	21.92	22.02	21.89	23.00	
5		1	12	21.83	21.96	21.88	23.00	
5		1	24	21.89	22.01	21.88	23.00	



5	64QAM	12	0	20.91	20.99	20.70	22.00
5		12	7	20.68	20.86	20.75	22.00
5		12	13	20.82	21.00	20.77	22.00
5		25	0	20.81	21.00	20.85	22.00
5		1	0	20.81	20.97	20.82	22.00
5		1	12	20.89	20.97	20.87	22.00
5		1	24	20.79	20.92	20.77	22.00
5		12	0	19.91	20.02	19.79	21.00
5		12	7	19.63	19.89	19.63	21.00
5		12	13	19.72	19.81	19.75	21.00
5	256QAM	25	0	19.83	20.02	19.86	21.00
5		1	0	17.92	17.96	17.86	19.00
5		1	12	17.62	17.89	17.71	19.00
5		1	24	17.67	17.83	17.78	19.00
5		12	0	17.87	17.95	17.81	19.00
5		12	7	17.77	17.84	17.66	19.00
5		12	13	17.89	17.92	17.91	19.00
5		25	0	17.84	17.89	17.73	19.00

<LTE Band 42 (96) 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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.90	22.05	21.97	23.00
20		1	49	21.65	21.89	21.78	23.00
20		1	99	21.62	21.90	21.76	23.00
20		50	0	22.01	22.04	22.03	23.00
20		50	24	21.78	21.95	21.78	23.00
20		50	50	21.68	21.85	21.76	23.00
20		100	0	21.76	22.02	21.85	23.00
20	16QAM	1	0	21.84	22.04	21.84	23.00
20		1	49	21.80	22.00	21.87	23.00
20		1	99	21.70	21.92	21.70	23.00
20		50	0	20.73	20.97	20.76	22.00
20		50	24	20.61	20.88	20.78	22.00
20		50	50	20.68	20.90	20.79	22.00
20	64QAM	100	0	20.78	21.00	20.87	22.00
20		1	0	20.79	21.03	20.86	22.00
20		1	49	20.76	20.99	20.80	22.00
20		1	99	20.69	20.92	20.76	22.00
20		50	0	19.85	20.03	19.89	21.00
20		50	24	19.74	19.92	19.79	21.00
20	256QAM	50	50	19.80	19.99	19.78	21.00
20		100	0	19.79	20.01	19.83	21.00
20		1	0	17.87	18.06	17.90	19.00
20		1	49	17.84	18.04	17.92	19.00
20		1	99	17.71	17.94	17.74	19.00
20		50	0	17.69	17.87	17.68	19.00
20		50	24	17.85	17.98	17.84	19.00
20		50	50	17.90	18.03	17.89	19.00
20		100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up Limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.83	21.92	21.89	23.00
15		1	37	21.60	21.88	21.69	23.00
15		1	74	21.48	21.84	21.67	23.00
15		36	0	21.96	21.98	21.98	23.00
15		36	20	21.66	21.94	21.64	23.00
15		36	39	21.59	21.73	21.65	23.00
15		75	0	21.72	21.93	21.79	23.00
15	16QAM	1	0	21.70	21.93	21.75	23.00
15		1	37	21.68	21.90	21.80	23.00
15		1	74	21.64	21.83	21.68	23.00
15		36	0	20.65	20.82	20.72	22.00
15		36	20	20.48	20.84	20.69	22.00
15		36	39	20.63	20.79	20.73	22.00
15		75	0	20.77	20.92	20.86	22.00
15	64QAM	1	0	20.71	20.92	20.76	22.00
15		1	37	20.68	20.97	20.66	22.00
15		1	74	20.64	20.89	20.61	22.00
15		36	0	19.77	19.98	19.86	21.00
15		36	20	19.68	19.88	19.68	21.00
15		36	39	19.76	19.98	19.65	21.00
15		75	0	19.72	19.97	19.79	21.00



15	256QAM	1	0	17.84	18.00	17.87	19.00
15		1	37	17.75	17.91	17.81	19.00
15		1	74	17.57	17.81	17.72	19.00
15		36	0	17.59	17.75	17.62	19.00
15		36	20	17.71	17.84	17.77	19.00
15		36	39	17.76	17.91	17.87	19.00
15		75	0	17.57	17.87	17.74	19.00
Channel				43140	43340	43540	Tune-up Limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.89	21.90	21.85	23.00
10		1	25	21.51	21.80	21.74	23.00
10		1	49	21.55	21.83	21.61	23.00
10		25	0	21.87	21.98	21.92	23.00
10		25	12	21.72	21.93	21.71	23.00
10		25	25	21.63	21.82	21.72	23.00
10	16QAM	50	0	21.75	21.87	21.80	23.00
10		1	0	21.82	21.96	21.81	23.00
10		1	25	21.78	21.88	21.72	23.00
10		1	49	21.58	21.81	21.58	23.00
10		25	0	20.67	20.84	20.74	22.00
10		25	12	20.52	20.79	20.66	22.00
10	64QAM	25	25	20.59	20.88	20.73	22.00
10		50	0	20.63	20.91	20.85	22.00
10		1	0	20.71	20.96	20.84	22.00
10		1	25	20.70	20.93	20.70	22.00
10		1	49	20.59	20.82	20.66	22.00
10		25	0	19.74	20.02	19.86	21.00
10	256QAM	25	12	19.64	19.82	19.75	21.00
10		25	25	19.73	19.84	19.68	21.00
10		50	0	19.77	19.88	19.72	21.00
10		1	0	17.81	17.92	17.86	19.00
10		1	25	17.79	17.92	17.87	19.00
10		1	49	17.63	17.89	17.61	19.00
10	256QAM	25	0	17.66	17.81	17.57	19.00
10		25	12	17.73	17.90	17.71	19.00
10		25	25	17.77	17.99	17.80	19.00
10		50	0	17.61	17.84	17.76	19.00
Channel				43115	43340	43565	Tune-up Limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.83	21.90	21.91	23.00
5		1	12	21.63	21.82	21.72	23.00
5		1	24	21.50	21.82	21.69	23.00
5		12	0	21.94	21.93	21.90	23.00
5		12	7	21.74	21.93	21.74	23.00
5		12	13	21.63	21.76	21.68	23.00
5	16QAM	25	0	21.73	21.97	21.77	23.00
5		1	0	21.73	21.89	21.71	23.00
5		1	12	21.67	21.96	21.78	23.00
5		1	24	21.68	21.84	21.65	23.00
5		12	0	20.61	20.94	20.73	22.00
5		12	7	20.49	20.77	20.73	22.00
5	64QAM	12	13	20.56	20.79	20.74	22.00
5		25	0	20.65	20.94	20.78	22.00
5		1	0	20.67	20.99	20.81	22.00
5		1	12	20.68	20.89	20.69	22.00
5		1	24	20.66	20.78	20.65	22.00
5		12	0	19.71	19.92	19.81	21.00
5	256QAM	12	7	19.62	19.90	19.71	21.00
5		12	13	19.78	19.97	19.72	21.00
5		25	0	19.71	19.89	19.81	21.00
5		1	0	17.80	17.94	17.78	19.00
5		1	12	17.82	17.91	17.82	19.00
5		1	24	17.66	17.89	17.61	19.00
5	256QAM	12	0	17.67	17.75	17.61	19.00
5		12	7	17.73	17.93	17.73	19.00
5		12	13	17.81	18.00	17.76	19.00
5		25	0	17.61	17.83	17.73	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit
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				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.	(dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.06	23.12	23.02	24.00
20	QPSK	1	49	22.73	22.82	22.67	24.00
20	QPSK	1	99	22.77	22.89	22.75	24.00
20	QPSK	50	0	22.11	22.15	22.13	23.00
20	QPSK	50	24	22.02	22.09	21.94	23.00
20	QPSK	50	50	21.89	22.06	21.91	23.00
20	QPSK	100	0	22.01	22.13	21.97	23.00
20	16QAM	1	0	22.03	22.12	21.96	23.00
20	16QAM	1	49	21.86	22.06	21.94	23.00
20	16QAM	1	99	21.98	22.10	21.93	23.00
20	16QAM	50	0	20.94	21.03	20.84	22.00
20	16QAM	50	24	20.75	20.93	20.77	22.00
20	16QAM	50	50	20.85	21.05	20.92	22.00
20	16QAM	100	0	20.92	21.05	20.87	22.00
20	64QAM	1	0	20.95	21.06	20.87	22.00
20	64QAM	1	49	20.97	21.08	20.95	22.00
20	64QAM	1	99	20.85	21.04	20.85	22.00
20	64QAM	50	0	19.94	20.05	19.93	21.00
20	64QAM	50	24	19.77	19.92	19.74	21.00
20	64QAM	50	50	19.84	19.94	19.79	21.00
20	64QAM	100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00
20	256QAM	1	49	17.76	17.94	17.80	19.00
20	256QAM	1	99	17.78	17.91	17.81	19.00
20	256QAM	50	0	17.97	18.07	17.85	19.00
20	256QAM	50	24	17.80	17.97	17.77	19.00
20	256QAM	50	50	17.98	18.07	17.97	19.00
20	256QAM	100	0	17.87	17.94	17.83	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	22.98	23.10	23.00	24.00
15	QPSK	1	37	22.70	22.72	22.58	24.00
15	QPSK	1	74	22.63	22.80	22.67	24.00
15	QPSK	36	0	22.10	22.08	22.09	23.00
15	QPSK	36	20	22.00	21.96	21.86	23.00
15	QPSK	36	39	21.77	22.05	21.87	23.00
15	QPSK	75	0	21.88	22.02	21.90	23.00
15	16QAM	1	0	21.94	22.08	21.95	23.00
15	16QAM	1	37	21.79	22.00	21.92	23.00
15	16QAM	1	74	21.95	22.04	21.89	23.00
15	16QAM	36	0	20.85	20.96	20.83	22.00
15	16QAM	36	20	20.63	20.89	20.65	22.00
15	16QAM	36	39	20.70	21.02	20.87	22.00
15	16QAM	75	0	20.85	21.01	20.75	22.00
15	64QAM	1	0	20.84	21.00	20.85	22.00
15	64QAM	1	37	20.91	20.97	20.83	22.00
15	64QAM	1	74	20.71	20.89	20.73	22.00
15	64QAM	36	0	19.81	19.98	19.89	21.00
15	64QAM	36	20	19.69	19.88	19.61	21.00
15	64QAM	36	39	19.73	19.82	19.72	21.00
15	64QAM	75	0	19.88	20.03	19.76	21.00
15	256QAM	1	0	17.89	17.91	17.88	19.00
15	256QAM	1	37	17.62	17.93	17.73	19.00
15	256QAM	1	74	17.68	17.77	17.72	19.00
15	256QAM	36	0	17.95	18.00	17.77	19.00
15	256QAM	36	20	17.78	17.89	17.76	19.00
15	256QAM	36	39	17.89	17.99	17.86	19.00
15	256QAM	75	0	17.77	17.89	17.76	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	23.04	22.98	23.00	24.00
10	QPSK	1	25	22.63	22.76	22.53	24.00
10	QPSK	1	49	22.70	22.82	22.61	24.00
10	QPSK	25	0	21.99	22.03	22.07	23.00
10	QPSK	25	12	21.95	22.02	21.86	23.00
10	QPSK	25	25	21.78	22.01	21.84	23.00
10	QPSK	50	0	21.95	22.06	21.88	23.00
10	16QAM	1	0	21.94	22.08	21.89	23.00
10	16QAM	1	25	21.79	21.98	21.79	23.00
10	16QAM	1	49	21.92	21.97	21.82	23.00
10	16QAM	25	0	20.90	20.90	20.78	22.00
10	16QAM	25	12	20.72	20.82	20.73	22.00
10	16QAM	25	25	20.74	20.94	20.84	22.00
10	16QAM	50	0	20.81	20.91	20.80	22.00



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10	64QAM	1	0	20.82	20.92	20.83	22.00
10	64QAM	1	25	20.90	21.07	20.88	22.00
10	64QAM	1	49	20.75	20.90	20.73	22.00
10	64QAM	25	0	19.90	19.94	19.82	21.00
10	64QAM	25	12	19.69	19.90	19.67	21.00
10	64QAM	25	25	19.70	19.90	19.73	21.00
10	64QAM	50	0	19.92	20.00	19.81	21.00
10	256QAM	1	0	17.85	17.98	17.79	19.00
10	256QAM	1	25	17.72	17.87	17.70	19.00
10	256QAM	1	49	17.73	17.84	17.78	19.00
10	256QAM	25	0	17.88	18.05	17.72	19.00
10	256QAM	25	12	17.71	17.95	17.73	19.00
10	256QAM	25	25	17.89	17.94	17.87	19.00
10	256QAM	50	0	17.74	17.88	17.77	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.96	23.00	22.95	24.00
5	QPSK	1	12	22.70	22.80	22.59	24.00
5	QPSK	1	24	22.66	22.74	22.63	24.00
5	QPSK	12	0	22.06	22.14	22.06	23.00
5	QPSK	12	7	22.00	22.05	21.85	23.00
5	QPSK	12	13	21.83	21.98	21.88	23.00
5	QPSK	25	0	21.95	21.99	21.92	23.00
5	16QAM	1	0	21.92	22.02	21.89	23.00
5	16QAM	1	12	21.83	21.96	21.88	23.00
5	16QAM	1	24	21.89	22.01	21.88	23.00
5	16QAM	12	0	20.91	20.99	20.70	22.00
5	16QAM	12	7	20.68	20.86	20.75	22.00
5	16QAM	12	13	20.82	21.00	20.77	22.00
5	16QAM	25	0	20.81	21.00	20.85	22.00
5	64QAM	1	0	20.81	20.97	20.82	22.00
5	64QAM	1	12	20.89	20.97	20.87	22.00
5	64QAM	1	24	20.79	20.92	20.77	22.00
5	64QAM	12	0	19.91	20.02	19.79	21.00
5	64QAM	12	7	19.63	19.89	19.63	21.00
5	64QAM	12	13	19.72	19.81	19.75	21.00
5	64QAM	25	0	19.83	20.02	19.86	21.00
5	256QAM	1	0	17.92	17.96	17.86	19.00
5	256QAM	1	12	17.62	17.89	17.71	19.00
5	256QAM	1	24	17.67	17.83	17.78	19.00
5	256QAM	12	0	17.87	17.95	17.81	19.00
5	256QAM	12	7	17.77	17.84	17.66	19.00
5	256QAM	12	13	17.89	17.92	17.91	19.00
5	256QAM	25	0	17.84	17.89	17.73	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.90	23.05	22.97	24.00
20	QPSK	1	49	22.65	22.89	22.78	24.00
20	QPSK	1	99	22.62	22.90	22.76	24.00
20	QPSK	50	0	22.01	22.06	22.03	23.00
20	QPSK	50	24	21.78	21.95	21.78	23.00
20	QPSK	50	50	21.68	21.85	21.76	23.00
20	QPSK	100	0	21.76	22.02	21.85	23.00
20	16QAM	1	0	21.84	22.04	21.84	23.00
20	16QAM	1	49	21.80	22.00	21.87	23.00
20	16QAM	1	99	21.70	21.92	21.70	23.00
20	16QAM	50	0	20.73	20.97	20.76	22.00
20	16QAM	50	24	20.61	20.88	20.78	22.00
20	16QAM	50	50	20.68	20.90	20.79	22.00
20	16QAM	100	0	20.78	21.00	20.87	22.00
20	64QAM	1	0	20.79	21.03	20.86	22.00
20	64QAM	1	49	20.76	20.99	20.80	22.00
20	64QAM	1	99	20.69	20.92	20.76	22.00
20	64QAM	50	0	19.85	20.03	19.89	21.00
20	64QAM	50	24	19.74	19.92	19.79	21.00
20	64QAM	50	50	19.80	19.99	19.78	21.00
20	64QAM	100	0	19.79	20.01	19.83	21.00
20	256QAM	1	0	17.87	18.06	17.90	19.00



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20	256QAM	1	49	17.84	18.04	17.92	19.00
20	256QAM	1	99	17.71	17.94	17.74	19.00
20	256QAM	50	0	17.69	17.87	17.68	19.00
20	256QAM	50	24	17.85	17.98	17.84	19.00
20	256QAM	50	50	17.90	18.03	17.89	19.00
20	256QAM	100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up limit
Frequency (MHz)				3557.5	3575	3592.5	(dBm)
15	QPSK	1	0	22.83	22.92	22.89	24.00
15	QPSK	1	37	22.60	22.88	22.69	24.00
15	QPSK	1	74	22.48	22.84	22.67	24.00
15	QPSK	36	0	21.96	21.98	21.98	23.00
15	QPSK	36	20	21.66	21.94	21.64	23.00
15	QPSK	36	39	21.59	21.73	21.65	23.00
15	QPSK	75	0	21.72	21.93	21.79	23.00
15	16QAM	1	0	21.70	21.93	21.75	23.00
15	16QAM	1	37	21.68	21.90	21.80	23.00
15	16QAM	1	74	21.64	21.83	21.68	23.00
15	16QAM	36	0	20.65	20.82	20.72	22.00
15	16QAM	36	20	20.48	20.84	20.69	22.00
15	16QAM	36	39	20.63	20.79	20.73	22.00
15	16QAM	75	0	20.77	20.92	20.86	22.00
15	64QAM	1	0	20.71	20.92	20.76	22.00
15	64QAM	1	37	20.68	20.97	20.66	22.00
15	64QAM	1	74	20.64	20.89	20.61	22.00
15	64QAM	36	0	19.77	19.98	19.86	21.00
15	64QAM	36	20	19.68	19.88	19.68	21.00
15	64QAM	36	39	19.76	19.98	19.65	21.00
15	64QAM	75	0	19.72	19.97	19.79	21.00
15	256QAM	1	0	17.84	18.00	17.87	19.00
15	256QAM	1	37	17.75	17.91	17.81	19.00
15	256QAM	1	74	17.57	17.81	17.72	19.00
15	256QAM	36	0	17.59	17.75	17.62	19.00
15	256QAM	36	20	17.71	17.84	17.77	19.00
15	256QAM	36	39	17.76	17.91	17.87	19.00
15	256QAM	75	0	17.57	17.87	17.74	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	22.89	22.90	22.85	24.00
10	QPSK	1	25	22.51	22.80	22.74	24.00
10	QPSK	1	49	22.55	22.83	22.61	24.00
10	QPSK	25	0	21.87	21.98	21.92	23.00
10	QPSK	25	12	21.72	21.93	21.71	23.00
10	QPSK	25	25	21.63	21.82	21.72	23.00
10	QPSK	50	0	21.75	21.87	21.80	23.00
10	16QAM	1	0	21.82	21.96	21.81	23.00
10	16QAM	1	25	21.78	21.88	21.72	23.00
10	16QAM	1	49	21.58	21.81	21.58	23.00
10	16QAM	25	0	20.67	20.84	20.74	22.00
10	16QAM	25	12	20.52	20.79	20.66	22.00
10	16QAM	25	25	20.59	20.88	20.73	22.00
10	16QAM	50	0	20.63	20.91	20.85	22.00
10	64QAM	1	0	20.71	20.96	20.84	22.00
10	64QAM	1	25	20.70	20.93	20.70	22.00
10	64QAM	1	49	20.59	20.82	20.66	22.00
10	64QAM	25	0	19.74	20.02	19.86	21.00
10	64QAM	25	12	19.64	19.82	19.75	21.00
10	64QAM	25	25	19.73	19.84	19.68	21.00
10	64QAM	50	0	19.77	19.88	19.72	21.00
10	256QAM	1	0	17.81	17.92	17.86	19.00
10	256QAM	1	25	17.79	17.92	17.87	19.00
10	256QAM	1	49	17.63	17.89	17.61	19.00
10	256QAM	25	0	17.66	17.81	17.57	19.00
10	256QAM	25	12	17.73	17.90	17.71	19.00
10	256QAM	25	25	17.77	17.99	17.80	19.00
10	256QAM	50	0	17.61	17.84	17.76	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	22.83	22.90	22.91	24.00
5	QPSK	1	12	22.63	22.82	22.72	24.00
5	QPSK	1	24	22.50	22.82	22.69	24.00
5	QPSK	12	0	21.94	21.93	21.90	23.00
5	QPSK	12	7	21.74	21.93	21.74	23.00
5	QPSK	12	13	21.63	21.76	21.68	23.00
5	QPSK	25	0	21.73	21.97	21.77	23.00
5	16QAM	1	0	21.73	21.89	21.71	23.00
5	16QAM	1	12	21.67	21.96	21.78	23.00
5	16QAM	1	24	21.68	21.84	21.65	23.00



5	16QAM	12	0	20.61	20.94	20.73	22.00
5	16QAM	12	7	20.49	20.77	20.73	22.00
5	16QAM	12	13	20.56	20.79	20.74	22.00
5	16QAM	25	0	20.65	20.94	20.78	22.00
5	64QAM	1	0	20.67	20.99	20.81	22.00
5	64QAM	1	12	20.68	20.89	20.69	22.00
5	64QAM	1	24	20.66	20.78	20.65	22.00
5	64QAM	12	0	19.71	19.92	19.81	21.00
5	64QAM	12	7	19.62	19.90	19.71	21.00
5	64QAM	12	13	19.78	19.97	19.72	21.00
5	64QAM	25	0	19.71	19.89	19.81	21.00
5	256QAM	1	0	17.80	17.94	17.78	19.00
5	256QAM	1	12	17.82	17.91	17.82	19.00
5	256QAM	1	24	17.66	17.89	17.61	19.00
5	256QAM	12	0	17.67	17.75	17.61	19.00
5	256QAM	12	7	17.73	17.93	17.73	19.00
5	256QAM	12	13	17.81	18.00	17.76	19.00
5	256QAM	25	0	17.61	17.83	17.73	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.55	15.59	15.54	16.90
20	QPSK	1	49	15.32	15.51	15.41	16.90
20	QPSK	1	99	15.31	15.52	15.46	16.90
20	QPSK	50	0	15.42	15.58	15.41	16.90
20	QPSK	50	24	15.28	15.35	15.32	16.90
20	QPSK	50	50	15.21	15.33	15.31	16.90
20	QPSK	100	0	15.48	15.49	15.40	16.90
20	16QAM	1	0	15.48	15.50	15.44	16.90
20	16QAM	1	49	15.48	15.53	15.40	16.90
20	16QAM	1	99	15.41	15.55	15.42	16.90
20	16QAM	50	0	15.42	15.46	15.45	16.90
20	16QAM	50	24	15.48	15.48	15.44	16.90
20	16QAM	50	50	15.48	15.47	15.43	16.90
20	16QAM	100	0	15.50	15.49	15.50	16.90
20	64QAM	1	0	15.48	15.52	15.43	16.90
20	64QAM	1	49	15.42	15.52	15.42	16.90
20	64QAM	1	99	15.42	15.53	15.49	16.90
20	64QAM	50	0	15.42	15.52	15.39	16.90
20	64QAM	50	24	15.43	15.46	15.46	16.90
20	64QAM	50	50	15.44	15.55	15.40	16.90
20	64QAM	100	0	15.44	15.46	15.43	16.90
20	256QAM	1	0	15.41	15.55	15.42	16.90
20	256QAM	1	49	15.42	15.51	15.43	16.90
20	256QAM	1	99	15.40	15.49	15.43	16.90
20	256QAM	50	0	15.52	15.46	15.41	16.90
20	256QAM	50	24	15.51	15.51	15.40	16.90
20	256QAM	50	50	15.50	15.47	15.50	16.90
20	256QAM	100	0	15.49	15.45	15.49	16.90
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.53	15.47	15.51	16.90
15	QPSK	1	37	15.34	15.47	15.31	16.90
15	QPSK	1	74	15.47	15.50	15.33	16.90
15	QPSK	36	0	15.38	15.56	15.32	16.90
15	QPSK	36	20	15.38	15.37	15.44	16.90
15	QPSK	36	39	15.36	15.49	15.39	16.90
15	QPSK	75	0	15.41	15.34	15.31	16.90
15	16QAM	1	0	15.38	15.44	15.36	16.90
15	16QAM	1	37	15.40	15.52	15.35	16.90
15	16QAM	1	74	15.39	15.44	15.31	16.90
15	16QAM	36	0	15.33	15.38	15.30	16.90
15	16QAM	36	20	15.34	15.36	15.38	16.90
15	16QAM	36	39	15.34	15.34	15.31	16.90
15	16QAM	75	0	15.35	15.34	15.48	16.90
15	64QAM	1	0	15.36	15.41	15.30	16.90
15	64QAM	1	37	15.39	15.49	15.37	16.90
15	64QAM	1	74	15.27	15.41	15.45	16.90
15	64QAM	36	0	15.39	15.37	15.27	16.90



15	64QAM	36	20	15.42	15.35	15.44	16.90
15	64QAM	36	39	15.41	15.50	15.25	16.90
15	64QAM	75	0	15.42	15.43	15.40	16.90
15	256QAM	1	0	15.29	15.51	15.32	16.90
15	256QAM	1	37	15.30	15.36	15.37	16.90
15	256QAM	1	74	15.37	15.44	15.36	16.90
15	256QAM	36	0	15.37	15.40	15.28	16.90
15	256QAM	36	20	15.39	15.44	15.26	16.90
15	256QAM	36	39	15.48	15.39	15.42	16.90
15	256QAM	75	0	15.37	15.39	15.38	16.90
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.53	15.55	15.52	16.90
10	QPSK	1	25	15.39	15.54	15.36	16.90
10	QPSK	1	49	15.38	15.51	15.43	16.90
10	QPSK	25	0	15.35	15.48	15.33	16.90
10	QPSK	25	12	15.35	15.47	15.42	16.90
10	QPSK	25	25	15.33	15.47	15.42	16.90
10	QPSK	50	0	15.37	15.42	15.34	16.90
10	16QAM	1	0	15.36	15.37	15.32	16.90
10	16QAM	1	25	15.42	15.46	15.36	16.90
10	16QAM	1	49	15.31	15.41	15.39	16.90
10	16QAM	25	0	15.28	15.32	15.30	16.90
10	16QAM	25	12	15.41	15.35	15.36	16.90
10	16QAM	25	25	15.35	15.33	15.29	16.90
10	16QAM	50	0	15.38	15.44	15.44	16.90
10	64QAM	1	0	15.36	15.48	15.36	16.90
10	64QAM	1	25	15.35	15.50	15.41	16.90
10	64QAM	1	49	15.33	15.46	15.36	16.90
10	64QAM	25	0	15.40	15.39	15.36	16.90
10	64QAM	25	12	15.35	15.41	15.43	16.90
10	64QAM	25	25	15.39	15.45	15.36	16.90
10	64QAM	50	0	15.40	15.42	15.37	16.90
10	256QAM	1	0	15.32	15.49	15.37	16.90
10	256QAM	1	25	15.34	15.41	15.37	16.90
10	256QAM	1	49	15.33	15.45	15.40	16.90
10	256QAM	25	0	15.47	15.33	15.34	16.90
10	256QAM	25	12	15.38	15.46	15.25	16.90
10	256QAM	25	25	15.45	15.44	15.48	16.90
10	256QAM	50	0	15.44	15.34	15.39	16.90
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.50	15.44	15.44	16.90
5	QPSK	1	12	15.32	15.45	15.29	16.90
5	QPSK	1	24	15.48	15.49	15.34	16.90
5	QPSK	12	0	15.29	15.48	15.38	16.90
5	QPSK	12	7	15.48	15.42	15.47	16.90
5	QPSK	12	13	15.37	15.42	15.44	16.90
5	QPSK	25	0	15.36	15.41	15.29	16.90
5	16QAM	1	0	15.40	15.36	15.37	16.90
5	16QAM	1	12	15.42	15.42	15.34	16.90
5	16QAM	1	24	15.36	15.52	15.36	16.90
5	16QAM	12	0	15.39	15.37	15.31	16.90
5	16QAM	12	7	15.45	15.37	15.40	16.90
5	16QAM	12	13	15.35	15.40	15.37	16.90
5	16QAM	25	0	15.47	15.46	15.41	16.90
5	64QAM	1	0	15.37	15.39	15.41	16.90
5	64QAM	1	12	15.31	15.45	15.28	16.90
5	64QAM	1	24	15.34	15.48	15.41	16.90
5	64QAM	12	0	15.31	15.49	15.38	16.90
5	64QAM	12	7	15.31	15.45	15.31	16.90
5	64QAM	12	13	15.40	15.48	15.37	16.90
5	64QAM	25	0	15.39	15.42	15.38	16.90
5	256QAM	1	0	15.29	15.41	15.28	16.90
5	256QAM	1	12	15.35	15.37	15.29	16.90
5	256QAM	1	24	15.35	15.37	15.35	16.90
5	256QAM	12	0	15.46	15.33	15.36	16.90
5	256QAM	12	7	15.46	15.48	15.34	16.90
5	256QAM	12	13	15.41	15.36	15.35	16.90
5	256QAM	25	0	15.34	15.43	15.43	16.90

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 4_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	15.37	15.48	15.38	16.90
20	QPSK	1	49	15.32	15.37	15.31	16.90
20	QPSK	1	99	15.32	15.32	15.36	16.90
20	QPSK	50	0	15.31	15.46	15.35	16.90
20	QPSK	50	24	15.28	15.25	15.29	16.90
20	QPSK	50	50	15.21	15.26	15.25	16.90
20	QPSK	100	0	15.30	15.38	15.33	16.90
20	16QAM	1	0	15.35	15.42	15.38	16.90
20	16QAM	1	49	15.34	15.44	15.32	16.90
20	16QAM	1	99	15.33	15.37	15.33	16.90
20	16QAM	50	0	15.34	15.35	15.33	16.90
20	16QAM	50	24	15.35	15.39	15.38	16.90
20	16QAM	50	50	15.31	15.37	15.36	16.90
20	16QAM	100	0	15.34	15.34	15.41	16.90
20	64QAM	1	0	15.37	15.39	15.38	16.90
20	64QAM	1	49	15.42	15.46	15.31	16.90
20	64QAM	1	99	15.33	15.40	15.32	16.90
20	64QAM	50	0	15.40	15.43	15.34	16.90
20	64QAM	50	24	15.35	15.46	15.30	16.90
20	64QAM	50	50	15.32	15.40	15.37	16.90
20	64QAM	100	0	15.31	15.45	15.36	16.90
20	256QAM	1	0	15.35	15.39	15.32	16.90
20	256QAM	1	49	15.42	15.43	15.30	16.90
20	256QAM	1	99	15.40	15.42	15.34	16.90
20	256QAM	50	0	15.40	15.40	15.35	16.90
20	256QAM	50	24	15.33	15.43	15.31	16.90
20	256QAM	50	50	15.40	15.41	15.32	16.90
20	256QAM	100	0	15.35	15.38	15.37	16.90
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	15.23	15.46	15.27	16.90
15	QPSK	1	37	15.30	15.30	15.37	16.90
15	QPSK	1	74	15.18	15.39	15.26	16.90
15	QPSK	36	0	15.28	15.44	15.31	16.90
15	QPSK	36	20	15.30	15.38	15.18	16.90
15	QPSK	36	39	15.33	15.32	15.22	16.90
15	QPSK	75	0	15.16	15.36	15.30	16.90
15	16QAM	1	0	15.25	15.38	15.35	16.90
15	16QAM	1	37	15.32	15.32	15.25	16.90
15	16QAM	1	74	15.25	15.27	15.19	16.90
15	16QAM	36	0	15.32	15.29	15.24	16.90
15	16QAM	36	20	15.29	15.35	15.32	16.90
15	16QAM	36	39	15.20	15.24	15.22	16.90
15	16QAM	75	0	15.20	15.28	15.35	16.90
15	64QAM	1	0	15.29	15.36	15.29	16.90
15	64QAM	1	37	15.27	15.33	15.26	16.90
15	64QAM	1	74	15.21	15.35	15.18	16.90
15	64QAM	36	0	15.33	15.39	15.27	16.90
15	64QAM	36	20	15.20	15.38	15.27	16.90
15	64QAM	36	39	15.25	15.32	15.34	16.90
15	64QAM	75	0	15.27	15.34	15.26	16.90
15	256QAM	1	0	15.28	15.26	15.20	16.90
15	256QAM	1	37	15.27	15.36	15.25	16.90
15	256QAM	1	74	15.35	15.33	15.31	16.90
15	256QAM	36	0	15.39	15.37	15.22	16.90
15	256QAM	36	20	15.27	15.36	15.27	16.90
15	256QAM	36	39	15.30	15.38	15.27	16.90
15	256QAM	75	0	15.31	15.24	15.22	16.90
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	15.30	15.46	15.34	16.90
10	QPSK	1	25	15.26	15.35	15.37	16.90
10	QPSK	1	49	15.22	15.38	15.35	16.90
10	QPSK	25	0	15.24	15.33	15.27	16.90
10	QPSK	25	12	15.27	15.34	15.26	16.90
10	QPSK	25	25	15.37	15.35	15.23	16.90
10	QPSK	50	0	15.17	15.26	15.22	16.90
10	16QAM	1	0	15.22	15.32	15.28	16.90
10	16QAM	1	25	15.27	15.38	15.29	16.90
10	16QAM	1	49	15.21	15.30	15.25	16.90
10	16QAM	25	0	15.30	15.34	15.26	16.90



10	16QAM	25	12	15.21	15.34	15.32	16.90
10	16QAM	25	25	15.20	15.31	15.26	16.90
10	16QAM	50	0	15.30	15.24	15.37	16.90
10	64QAM	1	0	15.24	15.37	15.29	16.90
10	64QAM	1	25	15.40	15.33	15.19	16.90
10	64QAM	1	49	15.24	15.32	15.26	16.90
10	64QAM	25	0	15.28	15.36	15.32	16.90
10	64QAM	25	12	15.33	15.39	15.19	16.90
10	64QAM	25	25	15.27	15.30	15.23	16.90
10	64QAM	50	0	15.21	15.33	15.33	16.90
10	256QAM	1	0	15.34	15.26	15.30	16.90
10	256QAM	1	25	15.33	15.40	15.22	16.90
10	256QAM	1	49	15.35	15.33	15.29	16.90
10	256QAM	25	0	15.25	15.28	15.31	16.90
10	256QAM	25	12	15.26	15.40	15.22	16.90
10	256QAM	25	25	15.29	15.37	15.21	16.90
10	256QAM	50	0	15.32	15.29	15.32	16.90
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	15.28	15.35	15.25	16.90
5	QPSK	1	12	15.23	15.27	15.38	16.90
5	QPSK	1	24	15.19	15.27	15.32	16.90
5	QPSK	12	0	15.25	15.38	15.27	16.90
5	QPSK	12	7	15.31	15.30	15.18	16.90
5	QPSK	12	13	15.30	15.37	15.33	16.90
5	QPSK	25	0	15.26	15.32	15.30	16.90
5	16QAM	1	0	15.33	15.32	15.29	16.90
5	16QAM	1	12	15.32	15.43	15.18	16.90
5	16QAM	1	24	15.25	15.30	15.20	16.90
5	16QAM	12	0	15.22	15.28	15.27	16.90
5	16QAM	12	7	15.32	15.37	15.29	16.90
5	16QAM	12	13	15.26	15.30	15.30	16.90
5	16QAM	25	0	15.20	15.31	15.38	16.90
5	64QAM	1	0	15.34	15.27	15.35	16.90
5	64QAM	1	12	15.31	15.38	15.23	16.90
5	64QAM	1	24	15.22	15.26	15.25	16.90
5	64QAM	12	0	15.29	15.32	15.32	16.90
5	64QAM	12	7	15.29	15.40	15.19	16.90
5	64QAM	12	13	15.28	15.33	15.31	16.90
5	64QAM	25	0	15.23	15.30	15.34	16.90
5	256QAM	1	0	15.26	15.28	15.31	16.90
5	256QAM	1	12	15.41	15.32	15.17	16.90
5	256QAM	1	24	15.27	15.36	15.30	16.90
5	256QAM	12	0	15.29	15.28	15.30	16.90
5	256QAM	12	7	15.28	15.37	15.19	16.90
5	256QAM	12	13	15.38	15.37	15.20	16.90
5	256QAM	25	0	15.33	15.33	15.27	16.90

<LTE Band 42 (27Q) 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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.06	22.12	22.02	23.00
20		1	49	21.73	21.82	21.67	23.00
20		1	99	21.77	21.89	21.75	23.00
20		50	0	22.01	22.05	22.03	23.00
20		50	24	21.92	21.99	21.84	23.00
20		50	50	21.79	21.96	21.81	23.00
20	16QAM	100	0	21.91	22.03	21.87	23.00
20		1	0	22.03	22.12	21.96	23.00
20		1	49	21.86	22.06	21.94	23.00
20		1	99	21.98	22.10	21.93	23.00
20		50	0	20.94	21.03	20.84	22.00
20		50	24	20.75	20.93	20.77	22.00
20	64QAM	50	50	20.85	21.05	20.92	22.00
20		100	0	20.92	21.05	20.87	22.00
20		1	0	20.95	21.06	20.87	22.00
20		1	49	20.97	21.08	20.95	22.00
20		1	99	20.85	21.04	20.85	22.00
20		50	0	19.94	20.05	19.93	21.00
20	256QAM	50	24	19.77	19.92	19.74	21.00
20		50	50	19.84	19.94	19.79	21.00
20		100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00



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20		1	49	17.76	17.94	17.80	19.00	
20		1	99	17.78	17.91	17.81	19.00	
20		50	0	17.97	18.07	17.85	19.00	
20		50	24	17.80	17.97	17.77	19.00	
20		50	50	17.98	18.07	17.97	19.00	
20		100	0	17.87	17.94	17.83	19.00	
Channel				42165	42590	43015	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.98	22.10	22.00	23.00	
15		1	37	21.70	21.72	21.58	23.00	
15		1	74	21.63	21.80	21.67	23.00	
15		36	0	22.10	22.08	22.09	23.00	
15		36	20	22.00	21.96	21.86	23.00	
15		36	39	21.77	22.05	21.87	23.00	
15	16QAM	75	0	21.88	22.02	21.90	23.00	
15		1	0	21.94	22.08	21.95	23.00	
15		1	37	21.79	22.00	21.92	23.00	
15		1	74	21.95	22.04	21.89	23.00	
15		36	0	20.85	20.96	20.83	22.00	
15		36	20	20.63	20.89	20.65	22.00	
15	64QAM	36	39	20.70	21.02	20.87	22.00	
15		75	0	20.85	21.01	20.75	22.00	
15		1	0	20.84	21.00	20.85	22.00	
15		1	37	20.91	20.97	20.83	22.00	
15		1	74	20.71	20.89	20.73	22.00	
15		36	0	19.81	19.98	19.89	21.00	
15	256QAM	36	20	19.69	19.88	19.61	21.00	
15		36	39	19.73	19.82	19.72	21.00	
15		75	0	19.88	20.03	19.76	21.00	
15		1	0	17.89	17.91	17.88	19.00	
15		1	37	17.62	17.93	17.73	19.00	
15		1	74	17.68	17.77	17.72	19.00	
15		36	0	17.95	18.00	17.77	19.00	
15		36	20	17.78	17.89	17.76	19.00	
15		36	39	17.89	17.99	17.86	19.00	
15		75	0	17.77	17.89	17.76	19.00	
Channel				42140	42590	43040	Tune-up Limit (dBm)	
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.04	21.98	22.00	23.00	
10		1	25	21.63	21.76	21.53	23.00	
10		1	49	21.70	21.82	21.61	23.00	
10		25	0	21.99	22.03	22.07	23.00	
10		25	12	21.95	22.02	21.86	23.00	
10		25	25	21.78	22.01	21.84	23.00	
10	16QAM	50	0	21.95	22.06	21.88	23.00	
10		1	0	21.94	22.08	21.89	23.00	
10		1	25	21.79	21.98	21.79	23.00	
10		1	49	21.92	21.97	21.82	23.00	
10		25	0	20.90	20.90	20.78	22.00	
10		25	12	20.72	20.82	20.73	22.00	
10	64QAM	25	25	20.74	20.94	20.84	22.00	
10		50	0	20.81	20.91	20.80	22.00	
10		1	0	20.82	20.92	20.83	22.00	
10		1	25	20.90	21.07	20.88	22.00	
10		1	49	20.75	20.90	20.73	22.00	
10		25	0	19.90	19.94	19.82	21.00	
10	256QAM	25	12	19.69	19.90	19.67	21.00	
10		25	25	19.70	19.90	19.73	21.00	
10		50	0	19.92	20.00	19.81	21.00	
10		1	0	17.85	17.98	17.79	19.00	
10		1	25	17.72	17.87	17.70	19.00	
10		1	49	17.73	17.84	17.78	19.00	
10		25	0	17.88	18.05	17.72	19.00	
10		25	12	17.71	17.95	17.73	19.00	
10		25	25	17.89	17.94	17.87	19.00	
10		50	0	17.74	17.88	17.77	19.00	
Channel				42115	42590	43065	Tune-up Limit (dBm)	
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.96	22.00	21.95	23.00	
5		1	12	21.70	21.80	21.59	23.00	
5		1	24	21.66	21.74	21.63	23.00	
5		12	0	21.96	22.04	21.96	23.00	
5		12	7	21.90	21.95	21.75	23.00	
5		12	13	21.73	21.88	21.78	23.00	
5	16QAM	25	0	21.85	21.89	21.82	23.00	
5		1	0	21.92	22.02	21.89	23.00	
5		1	12	21.83	21.96	21.88	23.00	
5		1	24	21.89	22.01	21.88	23.00	



5	64QAM	12	0	20.91	20.99	20.70	22.00
5		12	7	20.68	20.86	20.75	22.00
5		12	13	20.82	21.00	20.77	22.00
5		25	0	20.81	21.00	20.85	22.00
5		1	0	20.81	20.97	20.82	22.00
5	64QAM	1	12	20.89	20.97	20.87	22.00
5		1	24	20.79	20.92	20.77	22.00
5		12	0	19.91	20.02	19.79	21.00
5		12	7	19.63	19.89	19.63	21.00
5		12	13	19.72	19.81	19.75	21.00
5	256QAM	25	0	19.83	20.02	19.86	21.00
5		1	0	17.92	17.96	17.86	19.00
5		1	12	17.62	17.89	17.71	19.00
5		1	24	17.67	17.83	17.78	19.00
5		12	0	17.87	17.95	17.81	19.00
5	256QAM	12	7	17.77	17.84	17.66	19.00
5		12	13	17.89	17.92	17.91	19.00
5		25	0	17.84	17.89	17.73	19.00

<LTE Band 42 (96) 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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.90	22.05	21.97	23.00
20		1	49	21.65	21.89	21.78	23.00
20		1	99	21.62	21.90	21.76	23.00
20		50	0	22.01	22.04	22.03	23.00
20		50	24	21.78	21.95	21.78	23.00
20		50	50	21.68	21.85	21.76	23.00
20	16QAM	100	0	21.76	22.02	21.85	23.00
20		1	0	21.84	22.04	21.84	23.00
20		1	49	21.80	22.00	21.87	23.00
20		1	99	21.70	21.92	21.70	23.00
20		50	0	20.73	20.97	20.76	22.00
20		50	24	20.61	20.88	20.78	22.00
20	64QAM	50	50	20.68	20.90	20.79	22.00
20		100	0	20.78	21.00	20.87	22.00
20		1	0	20.79	21.03	20.86	22.00
20		1	49	20.76	20.99	20.80	22.00
20		1	99	20.69	20.92	20.76	22.00
20		50	0	19.85	20.03	19.89	21.00
20	256QAM	50	24	19.74	19.92	19.79	21.00
20		50	50	19.80	19.99	19.78	21.00
20		100	0	19.79	20.01	19.83	21.00
20		1	0	17.87	18.06	17.90	19.00
20		1	49	17.84	18.04	17.92	19.00
20		1	99	17.71	17.94	17.74	19.00
20		50	0	17.69	17.87	17.68	19.00
20		50	24	17.85	17.98	17.84	19.00
20		50	50	17.90	18.03	17.89	19.00
20		100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up Limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.83	21.92	21.89	23.00
15		1	37	21.60	21.88	21.69	23.00
15		1	74	21.48	21.84	21.67	23.00
15		36	0	21.96	21.98	21.98	23.00
15		36	20	21.66	21.94	21.64	23.00
15		36	39	21.59	21.73	21.65	23.00
15	16QAM	75	0	21.72	21.93	21.79	23.00
15		1	0	21.70	21.93	21.75	23.00
15		1	37	21.68	21.90	21.80	23.00
15		1	74	21.64	21.83	21.68	23.00
15		36	0	20.65	20.82	20.72	22.00
15		36	20	20.48	20.84	20.69	22.00
15	64QAM	36	39	20.63	20.79	20.73	22.00
15		75	0	20.77	20.92	20.86	22.00
15		1	0	20.71	20.92	20.76	22.00
15		1	37	20.68	20.97	20.66	22.00
15		1	74	20.64	20.89	20.61	22.00
15		36	0	19.77	19.98	19.86	21.00
15	256QAM	36	20	19.68	19.88	19.68	21.00
15		36	39	19.76	19.98	19.65	21.00
15		75	0	19.72	19.97	19.79	21.00
15	256QAM	1	0	17.84	18.00	17.87	19.00



15		1	37	17.75	17.91	17.81	19.00	
15		1	74	17.57	17.81	17.72	19.00	
15		36	0	17.59	17.75	17.62	19.00	
15		36	20	17.71	17.84	17.77	19.00	
15		36	39	17.76	17.91	17.87	19.00	
15		75	0	17.57	17.87	17.74	19.00	
Channel				43140	43340	43540	Tune-up Limit (dBm)	
Frequency (MHz)				3555	3575	3595		
10	QPSK	1	0	21.89	21.90	21.85	23.00	
10		1	25	21.51	21.80	21.74	23.00	
10		1	49	21.55	21.83	21.61	23.00	
10		25	0	21.87	21.98	21.92	23.00	
10		25	12	21.72	21.93	21.71	23.00	
10		25	25	21.63	21.82	21.72	23.00	
10	16QAM	50	0	21.75	21.87	21.80	23.00	
10		1	0	21.82	21.96	21.81	23.00	
10		1	25	21.78	21.88	21.72	23.00	
10		1	49	21.58	21.81	21.58	23.00	
10		25	0	20.67	20.84	20.74	22.00	
10		25	12	20.52	20.79	20.66	22.00	
10	64QAM	25	25	20.59	20.88	20.73	22.00	
10		50	0	20.63	20.91	20.85	22.00	
10		1	0	20.71	20.96	20.84	22.00	
10		1	25	20.70	20.93	20.70	22.00	
10		1	49	20.59	20.82	20.66	22.00	
10		25	0	19.74	20.02	19.86	21.00	
10	256QAM	25	12	19.64	19.82	19.75	21.00	
10		25	25	19.73	19.84	19.68	21.00	
10		50	0	19.77	19.88	19.72	21.00	
10		1	0	17.81	17.92	17.86	19.00	
10		1	25	17.79	17.92	17.87	19.00	
10		1	49	17.63	17.89	17.61	19.00	
10		25	0	17.66	17.81	17.57	19.00	
10		25	12	17.73	17.90	17.71	19.00	
10		25	25	17.77	17.99	17.80	19.00	
10		50	0	17.61	17.84	17.76	19.00	
Channel				43115	43340	43565	Tune-up Limit (dBm)	
Frequency (MHz)				3552.5	3575	3597.5		
5	QPSK	1	0	21.83	21.90	21.91	23.00	
5		1	12	21.63	21.82	21.72	23.00	
5		1	24	21.50	21.82	21.69	23.00	
5		12	0	21.94	21.93	21.90	23.00	
5		12	7	21.74	21.93	21.74	23.00	
5		12	13	21.63	21.76	21.68	23.00	
5	16QAM	25	0	21.73	21.97	21.77	23.00	
5		1	0	21.73	21.89	21.71	23.00	
5		1	12	21.67	21.96	21.78	23.00	
5		1	24	21.68	21.84	21.65	23.00	
5		12	0	20.61	20.94	20.73	22.00	
5		12	7	20.49	20.77	20.73	22.00	
5	64QAM	12	13	20.56	20.79	20.74	22.00	
5		25	0	20.65	20.94	20.78	22.00	
5		1	0	20.67	20.99	20.81	22.00	
5		1	12	20.68	20.89	20.69	22.00	
5		1	24	20.66	20.78	20.65	22.00	
5		12	0	19.71	19.92	19.81	21.00	
5	256QAM	12	7	19.62	19.90	19.71	21.00	
5		12	13	19.78	19.97	19.72	21.00	
5		25	0	19.71	19.89	19.81	21.00	
5		1	0	17.80	17.94	17.78	19.00	
5		1	12	17.82	17.91	17.82	19.00	
5		1	24	17.66	17.89	17.61	19.00	
5		12	0	17.67	17.75	17.61	19.00	
5		12	7	17.73	17.93	17.73	19.00	
5		12	13	17.81	18.00	17.76	19.00	
5		25	0	17.61	17.83	17.73	19.00	

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 4_DSI 4】



FCC SAR Test Report

Report No. : FA5N1310

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.06	23.12	23.02	24.00
20	QPSK	1	49	22.73	22.82	22.67	24.00
20	QPSK	1	99	22.77	22.89	22.75	24.00
20	QPSK	50	0	22.11	22.15	22.13	23.00
20	QPSK	50	24	22.02	22.09	21.94	23.00
20	QPSK	50	50	21.89	22.06	21.91	23.00
20	QPSK	100	0	22.01	22.13	21.97	23.00
20	16QAM	1	0	22.03	22.12	21.96	23.00
20	16QAM	1	49	21.86	22.06	21.94	23.00
20	16QAM	1	99	21.98	22.10	21.93	23.00
20	16QAM	50	0	20.94	21.03	20.84	22.00
20	16QAM	50	24	20.75	20.93	20.77	22.00
20	16QAM	50	50	20.85	21.05	20.92	22.00
20	16QAM	100	0	20.92	21.05	20.87	22.00
20	64QAM	1	0	20.95	21.06	20.87	22.00
20	64QAM	1	49	20.97	21.08	20.95	22.00
20	64QAM	1	99	20.85	21.04	20.85	22.00
20	64QAM	50	0	19.94	20.05	19.93	21.00
20	64QAM	50	24	19.77	19.92	19.74	21.00
20	64QAM	50	50	19.84	19.94	19.79	21.00
20	64QAM	100	0	19.93	20.13	19.90	21.00
20	256QAM	1	0	17.98	18.05	17.92	19.00
20	256QAM	1	49	17.76	17.94	17.80	19.00
20	256QAM	1	99	17.78	17.91	17.81	19.00
20	256QAM	50	0	17.97	18.07	17.85	19.00
20	256QAM	50	24	17.80	17.97	17.77	19.00
20	256QAM	50	50	17.98	18.07	17.97	19.00
20	256QAM	100	0	17.87	17.94	17.83	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.98	23.10	23.00	24.00
15	QPSK	1	37	22.70	22.72	22.58	24.00
15	QPSK	1	74	22.63	22.80	22.67	24.00
15	QPSK	36	0	22.10	22.08	22.09	23.00
15	QPSK	36	20	22.00	21.96	21.86	23.00
15	QPSK	36	39	21.77	22.05	21.87	23.00
15	QPSK	75	0	21.88	22.02	21.90	23.00
15	16QAM	1	0	21.94	22.08	21.95	23.00
15	16QAM	1	37	21.79	22.00	21.92	23.00
15	16QAM	1	74	21.95	22.04	21.89	23.00
15	16QAM	36	0	20.85	20.96	20.83	22.00
15	16QAM	36	20	20.63	20.89	20.65	22.00
15	16QAM	36	39	20.70	21.02	20.87	22.00
15	16QAM	75	0	20.85	21.01	20.75	22.00
15	64QAM	1	0	20.84	21.00	20.85	22.00
15	64QAM	1	37	20.91	20.97	20.83	22.00
15	64QAM	1	74	20.71	20.89	20.73	22.00
15	64QAM	36	0	19.81	19.98	19.89	21.00
15	64QAM	36	20	19.69	19.88	19.61	21.00
15	64QAM	36	39	19.73	19.82	19.72	21.00
15	64QAM	75	0	19.88	20.03	19.76	21.00
15	256QAM	1	0	17.89	17.91	17.88	19.00
15	256QAM	1	37	17.62	17.93	17.73	19.00
15	256QAM	1	74	17.68	17.77	17.72	19.00
15	256QAM	36	0	17.95	18.00	17.77	19.00
15	256QAM	36	20	17.78	17.89	17.76	19.00
15	256QAM	36	39	17.89	17.99	17.86	19.00
15	256QAM	75	0	17.77	17.89	17.76	19.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.04	22.98	23.00	24.00
10	QPSK	1	25	22.63	22.76	22.53	24.00
10	QPSK	1	49	22.70	22.82	22.61	24.00
10	QPSK	25	0	21.99	22.03	22.07	23.00
10	QPSK	25	12	21.95	22.02	21.86	23.00
10	QPSK	25	25	21.78	22.01	21.84	23.00
10	QPSK	50	0	21.95	22.06	21.88	23.00
10	16QAM	1	0	21.94	22.08	21.89	23.00
10	16QAM	1	25	21.79	21.98	21.79	23.00
10	16QAM	1	49	21.92	21.97	21.82	23.00
10	16QAM	25	0	20.90	20.90	20.78	22.00
10	16QAM	25	12	20.72	20.82	20.73	22.00
10	16QAM	25	25	20.74	20.94	20.84	22.00



10	16QAM	50	0	20.81	20.91	20.80	22.00
10	64QAM	1	0	20.82	20.92	20.83	22.00
10	64QAM	1	25	20.90	21.07	20.88	22.00
10	64QAM	1	49	20.75	20.90	20.73	22.00
10	64QAM	25	0	19.90	19.94	19.82	21.00
10	64QAM	25	12	19.69	19.90	19.67	21.00
10	64QAM	25	25	19.70	19.90	19.73	21.00
10	64QAM	50	0	19.92	20.00	19.81	21.00
10	256QAM	1	0	17.85	17.98	17.79	19.00
10	256QAM	1	25	17.72	17.87	17.70	19.00
10	256QAM	1	49	17.73	17.84	17.78	19.00
10	256QAM	25	0	17.88	18.05	17.72	19.00
10	256QAM	25	12	17.71	17.95	17.73	19.00
10	256QAM	25	25	17.89	17.94	17.87	19.00
10	256QAM	50	0	17.74	17.88	17.77	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.96	23.00	22.95	24.00
5	QPSK	1	12	22.70	22.80	22.59	24.00
5	QPSK	1	24	22.66	22.74	22.63	24.00
5	QPSK	12	0	22.06	22.14	22.06	23.00
5	QPSK	12	7	22.00	22.05	21.85	23.00
5	QPSK	12	13	21.83	21.98	21.88	23.00
5	QPSK	25	0	21.95	21.99	21.92	23.00
5	16QAM	1	0	21.92	22.02	21.89	23.00
5	16QAM	1	12	21.83	21.96	21.88	23.00
5	16QAM	1	24	21.89	22.01	21.88	23.00
5	16QAM	12	0	20.91	20.99	20.70	22.00
5	16QAM	12	7	20.68	20.86	20.75	22.00
5	16QAM	12	13	20.82	21.00	20.77	22.00
5	16QAM	25	0	20.81	21.00	20.85	22.00
5	64QAM	1	0	20.81	20.97	20.82	22.00
5	64QAM	1	12	20.89	20.97	20.87	22.00
5	64QAM	1	24	20.79	20.92	20.77	22.00
5	64QAM	12	0	19.91	20.02	19.79	21.00
5	64QAM	12	7	19.63	19.89	19.63	21.00
5	64QAM	12	13	19.72	19.81	19.75	21.00
5	64QAM	25	0	19.83	20.02	19.86	21.00
5	256QAM	1	0	17.92	17.96	17.86	19.00
5	256QAM	1	12	17.62	17.89	17.71	19.00
5	256QAM	1	24	17.67	17.83	17.78	19.00
5	256QAM	12	0	17.87	17.95	17.81	19.00
5	256QAM	12	7	17.77	17.84	17.66	19.00
5	256QAM	12	13	17.89	17.92	17.91	19.00
5	256QAM	25	0	17.84	17.89	17.73	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.90	23.05	22.97	24.00
20	QPSK	1	49	22.65	22.89	22.78	24.00
20	QPSK	1	99	22.62	22.90	22.76	24.00
20	QPSK	50	0	22.01	22.06	22.03	23.00
20	QPSK	50	24	21.78	21.95	21.78	23.00
20	QPSK	50	50	21.68	21.85	21.76	23.00
20	QPSK	100	0	21.76	22.02	21.85	23.00
20	16QAM	1	0	21.84	22.04	21.84	23.00
20	16QAM	1	49	21.80	22.00	21.87	23.00
20	16QAM	1	99	21.70	21.92	21.70	23.00
20	16QAM	50	0	20.73	20.97	20.76	22.00
20	16QAM	50	24	20.61	20.88	20.78	22.00
20	16QAM	50	50	20.68	20.90	20.79	22.00
20	16QAM	100	0	20.78	21.00	20.87	22.00
20	64QAM	1	0	20.79	21.03	20.86	22.00
20	64QAM	1	49	20.76	20.99	20.80	22.00
20	64QAM	1	99	20.69	20.92	20.76	22.00
20	64QAM	50	0	19.85	20.03	19.89	21.00
20	64QAM	50	24	19.74	19.92	19.79	21.00
20	64QAM	50	50	19.80	19.99	19.78	21.00
20	64QAM	100	0	19.79	20.01	19.83	21.00



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20	256QAM	1	0	17.87	18.06	17.90	19.00
20	256QAM	1	49	17.84	18.04	17.92	19.00
20	256QAM	1	99	17.71	17.94	17.74	19.00
20	256QAM	50	0	17.69	17.87	17.68	19.00
20	256QAM	50	24	17.85	17.98	17.84	19.00
20	256QAM	50	50	17.90	18.03	17.89	19.00
20	256QAM	100	0	17.71	17.94	17.83	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	22.83	22.92	22.89	24.00
15	QPSK	1	37	22.60	22.88	22.69	24.00
15	QPSK	1	74	22.48	22.84	22.67	24.00
15	QPSK	36	0	21.96	21.98	21.98	23.00
15	QPSK	36	20	21.66	21.94	21.64	23.00
15	QPSK	36	39	21.59	21.73	21.65	23.00
15	QPSK	75	0	21.72	21.93	21.79	23.00
15	16QAM	1	0	21.70	21.93	21.75	23.00
15	16QAM	1	37	21.68	21.90	21.80	23.00
15	16QAM	1	74	21.64	21.83	21.68	23.00
15	16QAM	36	0	20.65	20.82	20.72	22.00
15	16QAM	36	20	20.48	20.84	20.69	22.00
15	16QAM	36	39	20.63	20.79	20.73	22.00
15	16QAM	75	0	20.77	20.92	20.86	22.00
15	64QAM	1	0	20.71	20.92	20.76	22.00
15	64QAM	1	37	20.68	20.97	20.66	22.00
15	64QAM	1	74	20.64	20.89	20.61	22.00
15	64QAM	36	0	19.77	19.98	19.86	21.00
15	64QAM	36	20	19.68	19.88	19.68	21.00
15	64QAM	36	39	19.76	19.98	19.65	21.00
15	64QAM	75	0	19.72	19.97	19.79	21.00
15	256QAM	1	0	17.84	18.00	17.87	19.00
15	256QAM	1	37	17.75	17.91	17.81	19.00
15	256QAM	1	74	17.57	17.81	17.72	19.00
15	256QAM	36	0	17.59	17.75	17.62	19.00
15	256QAM	36	20	17.71	17.84	17.77	19.00
15	256QAM	36	39	17.76	17.91	17.87	19.00
15	256QAM	75	0	17.57	17.87	17.74	19.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	22.89	22.90	22.85	24.00
10	QPSK	1	25	22.51	22.80	22.74	24.00
10	QPSK	1	49	22.55	22.83	22.61	24.00
10	QPSK	25	0	21.87	21.98	21.92	23.00
10	QPSK	25	12	21.72	21.93	21.71	23.00
10	QPSK	25	25	21.63	21.82	21.72	23.00
10	QPSK	50	0	21.75	21.87	21.80	23.00
10	16QAM	1	0	21.82	21.96	21.81	23.00
10	16QAM	1	25	21.78	21.88	21.72	23.00
10	16QAM	1	49	21.58	21.81	21.58	23.00
10	16QAM	25	0	20.67	20.84	20.74	22.00
10	16QAM	25	12	20.52	20.79	20.66	22.00
10	16QAM	25	25	20.59	20.88	20.73	22.00
10	16QAM	50	0	20.63	20.91	20.85	22.00
10	64QAM	1	0	20.71	20.96	20.84	22.00
10	64QAM	1	25	20.70	20.93	20.70	22.00
10	64QAM	1	49	20.59	20.82	20.66	22.00
10	64QAM	25	0	19.74	20.02	19.86	21.00
10	64QAM	25	12	19.64	19.82	19.75	21.00
10	64QAM	25	25	19.73	19.84	19.68	21.00
10	64QAM	50	0	19.77	19.88	19.72	21.00
10	256QAM	1	0	17.81	17.92	17.86	19.00
10	256QAM	1	25	17.79	17.92	17.87	19.00
10	256QAM	1	49	17.63	17.89	17.61	19.00
10	256QAM	25	0	17.66	17.81	17.57	19.00
10	256QAM	25	12	17.73	17.90	17.71	19.00
10	256QAM	25	25	17.77	17.99	17.80	19.00
10	256QAM	50	0	17.61	17.84	17.76	19.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	22.83	22.90	22.91	24.00
5	QPSK	1	12	22.63	22.82	22.72	24.00
5	QPSK	1	24	22.50	22.82	22.69	24.00
5	QPSK	12	0	21.94	21.93	21.90	23.00
5	QPSK	12	7	21.74	21.93	21.74	23.00
5	QPSK	12	13	21.63	21.76	21.68	23.00
5	QPSK	25	0	21.73	21.97	21.77	23.00
5	16QAM	1	0	21.73	21.89	21.71	23.00
5	16QAM	1	12	21.67	21.96	21.78	23.00

5	16QAM	1	24	21.68	21.84	21.65	23.00
5	16QAM	12	0	20.61	20.94	20.73	22.00
5	16QAM	12	7	20.49	20.77	20.73	22.00
5	16QAM	12	13	20.56	20.79	20.74	22.00
5	16QAM	25	0	20.65	20.94	20.78	22.00
5	64QAM	1	0	20.67	20.99	20.81	22.00
5	64QAM	1	12	20.68	20.89	20.69	22.00
5	64QAM	1	24	20.66	20.78	20.65	22.00
5	64QAM	12	0	19.71	19.92	19.81	21.00
5	64QAM	12	7	19.62	19.90	19.71	21.00
5	64QAM	12	13	19.78	19.97	19.72	21.00
5	64QAM	25	0	19.71	19.89	19.81	21.00
5	256QAM	1	0	17.80	17.94	17.78	19.00
5	256QAM	1	12	17.82	17.91	17.82	19.00
5	256QAM	1	24	17.66	17.89	17.61	19.00
5	256QAM	12	0	17.67	17.75	17.61	19.00
5	256QAM	12	7	17.73	17.93	17.73	19.00
5	256QAM	12	13	17.81	18.00	17.76	19.00
5	256QAM	25	0	17.61	17.83	17.73	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.01	22.03	21.97	23.00
20	QPSK	1	49	21.92	22.00	21.87	23.00
20	QPSK	1	99	21.81	21.97	21.87	23.00
20	QPSK	50	0	21.16	21.24	21.11	22.00
20	QPSK	50	24	21.10	21.19	21.03	22.00
20	QPSK	50	50	21.01	21.05	20.90	22.00
20	QPSK	100	0	21.06	21.20	21.05	22.00
20	16QAM	1	0	21.02	21.19	21.11	22.00
20	16QAM	1	49	21.15	21.24	21.14	22.00
20	16QAM	1	99	21.08	21.22	21.07	22.00
20	16QAM	50	0	20.04	20.19	20.06	21.00
20	16QAM	50	24	19.93	20.08	19.93	21.00
20	16QAM	50	50	20.02	20.05	19.88	21.00
20	16QAM	100	0	19.99	20.11	20.03	21.00
20	64QAM	1	0	19.98	20.14	19.97	21.00
20	64QAM	1	49	19.99	20.07	19.95	21.00
20	64QAM	1	99	20.07	20.18	19.98	21.00
20	64QAM	50	0	18.88	19.04	18.89	20.00
20	64QAM	50	24	19.08	19.22	19.15	20.00
20	64QAM	50	50	18.98	19.06	18.98	20.00
20	64QAM	100	0	19.03	19.09	18.96	20.00
20	256QAM	1	0	17.01	17.12	16.94	18.00
20	256QAM	1	49	16.98	17.08	16.99	18.00
20	256QAM	1	99	16.95	17.05	16.97	18.00
20	256QAM	50	0	17.01	17.08	16.91	18.00
20	256QAM	50	24	17.13	17.22	17.03	18.00
20	256QAM	50	50	17.12	17.21	17.14	18.00
20	256QAM	100	0	17.06	17.13	16.98	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.94	21.96	21.83	23.00
15	QPSK	1	37	21.79	21.97	21.78	23.00
15	QPSK	1	74	21.71	21.84	21.73	23.00
15	QPSK	36	0	21.11	21.23	21.05	22.00
15	QPSK	36	20	20.95	21.17	20.92	22.00
15	QPSK	36	39	20.94	20.98	20.76	22.00
15	QPSK	75	0	20.96	21.11	20.99	22.00
15	16QAM	1	0	20.96	21.08	21.04	22.00
15	16QAM	1	37	21.01	21.09	21.02	22.00
15	16QAM	1	74	20.94	21.08	20.93	22.00
15	16QAM	36	0	19.92	20.08	20.00	21.00
15	16QAM	36	20	19.78	19.94	19.87	21.00
15	16QAM	36	39	19.94	19.97	19.74	21.00
15	16QAM	75	0	19.91	20.10	19.93	21.00
15	64QAM	1	0	19.92	20.12	19.95	21.00
15	64QAM	1	37	19.86	20.00	19.88	21.00
15	64QAM	1	74	19.94	20.14	19.95	21.00



15	64QAM	36	0	18.82	18.99	18.85	20.00
15	64QAM	36	20	19.03	19.21	19.06	20.00
15	64QAM	36	39	18.89	19.04	18.84	20.00
15	64QAM	75	0	18.91	19.02	18.94	20.00
15	256QAM	1	0	16.86	16.98	16.81	18.00
15	256QAM	1	37	16.85	16.94	16.98	18.00
15	256QAM	1	74	16.93	17.01	16.91	18.00
15	256QAM	36	0	16.89	17.03	16.87	18.00
15	256QAM	36	20	17.11	17.08	16.99	18.00
15	256QAM	36	39	17.11	17.14	17.02	18.00
15	256QAM	75	0	17.02	17.06	16.93	18.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	21.95	21.97	21.93	23.00
10	QPSK	1	25	21.79	21.90	21.78	23.00
10	QPSK	1	49	21.66	21.92	21.81	23.00
10	QPSK	25	0	21.08	21.11	20.98	22.00
10	QPSK	25	12	20.99	21.16	20.93	22.00
10	QPSK	25	25	20.94	21.02	20.76	22.00
10	QPSK	50	0	21.01	21.11	20.97	22.00
10	16QAM	1	0	20.99	21.07	21.07	22.00
10	16QAM	1	25	21.06	21.12	21.09	22.00
10	16QAM	1	49	20.94	21.12	21.06	22.00
10	16QAM	25	0	19.95	20.10	19.98	21.00
10	16QAM	25	12	19.82	19.95	19.82	21.00
10	16QAM	25	25	19.98	19.98	19.81	21.00
10	16QAM	50	0	19.97	19.97	19.96	21.00
10	64QAM	1	0	19.87	20.10	19.94	21.00
10	64QAM	1	25	19.95	19.95	19.86	21.00
10	64QAM	1	49	19.96	20.14	19.96	21.00
10	64QAM	25	0	18.74	18.90	18.83	20.00
10	64QAM	25	12	18.99	19.16	19.07	20.00
10	64QAM	25	25	18.85	19.04	18.90	20.00
10	64QAM	50	0	18.89	19.01	18.90	20.00
10	256QAM	1	0	16.88	16.99	16.90	18.00
10	256QAM	1	25	16.90	16.99	16.86	18.00
10	256QAM	1	49	16.82	17.03	16.88	18.00
10	256QAM	25	0	16.99	16.97	16.88	18.00
10	256QAM	25	12	17.04	17.19	16.92	18.00
10	256QAM	25	25	17.04	17.14	17.03	18.00
10	256QAM	50	0	16.98	17.07	16.88	18.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	21.90	21.89	21.90	23.00
5	QPSK	1	12	21.79	21.93	21.78	23.00
5	QPSK	1	24	21.72	21.91	21.85	23.00
5	QPSK	12	0	21.08	21.21	21.06	22.00
5	QPSK	12	7	21.06	21.04	21.01	22.00
5	QPSK	12	13	20.86	20.98	20.84	22.00
5	QPSK	25	0	21.04	21.11	20.96	22.00
5	16QAM	1	0	20.96	21.18	21.00	22.00
5	16QAM	1	12	21.07	21.11	21.02	22.00
5	16QAM	1	24	21.04	21.13	21.01	22.00
5	16QAM	12	0	19.93	20.18	19.93	21.00
5	16QAM	12	7	19.92	19.94	19.89	21.00
5	16QAM	12	13	19.92	19.92	19.82	21.00
5	16QAM	25	0	19.93	19.97	19.96	21.00
5	64QAM	1	0	19.93	20.07	19.82	21.00
5	64QAM	1	12	19.95	20.01	19.85	21.00
5	64QAM	1	24	20.05	20.06	19.93	21.00
5	64QAM	12	0	18.77	19.03	18.74	20.00
5	64QAM	12	7	19.06	19.16	19.10	20.00
5	64QAM	12	13	18.92	19.04	18.92	20.00
5	64QAM	25	0	18.88	19.03	18.89	20.00
5	256QAM	1	0	16.97	17.08	16.85	18.00
5	256QAM	1	12	16.87	16.97	16.93	18.00
5	256QAM	1	24	16.87	16.96	16.90	18.00
5	256QAM	12	0	16.92	16.95	16.83	18.00
5	256QAM	12	7	17.11	17.13	16.88	18.00
5	256QAM	12	13	17.05	17.13	17.08	18.00
5	256QAM	25	0	17.00	17.08	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_Full Power】



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.92	21.99	21.96	23.00
20	QPSK	1	49	21.80	21.90	21.73	23.00
20	QPSK	1	99	21.73	21.92	21.78	23.00
20	QPSK	50	0	21.03	21.16	20.98	22.00
20	QPSK	50	24	20.93	21.07	20.93	22.00
20	QPSK	50	50	20.85	21.05	20.97	22.00
20	QPSK	100	0	20.81	20.97	20.84	22.00
20	16QAM	1	0	20.96	21.15	21.10	22.00
20	16QAM	1	49	21.01	21.12	21.07	22.00
20	16QAM	1	99	20.98	21.06	21.00	22.00
20	16QAM	50	0	19.93	20.09	19.98	21.00
20	16QAM	50	24	20.09	20.18	20.04	21.00
20	16QAM	50	50	19.83	20.04	19.96	21.00
20	16QAM	100	0	19.93	20.13	20.09	21.00
20	64QAM	1	0	20.03	20.12	20.04	21.00
20	64QAM	1	49	19.92	20.06	19.96	21.00
20	64QAM	1	99	20.03	20.15	20.00	21.00
20	64QAM	50	0	18.92	19.12	18.98	20.00
20	64QAM	50	24	19.00	19.15	18.99	20.00
20	64QAM	50	50	19.01	19.15	19.03	20.00
20	64QAM	100	0	19.02	19.12	19.03	20.00
20	256QAM	1	0	17.05	17.20	17.13	18.00
20	256QAM	1	49	16.82	16.99	16.85	18.00
20	256QAM	1	99	17.02	17.11	17.07	18.00
20	256QAM	50	0	16.80	16.99	16.84	18.00
20	256QAM	50	24	16.86	16.99	16.82	18.00
20	256QAM	50	50	16.81	17.01	16.91	18.00
20	256QAM	100	0	16.99	17.07	16.98	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.80	21.95	21.85	23.00
15	QPSK	1	37	21.67	21.85	21.71	23.00
15	QPSK	1	74	21.60	21.78	21.74	23.00
15	QPSK	36	0	20.88	21.12	20.86	22.00
15	QPSK	36	20	20.79	20.96	20.91	22.00
15	QPSK	36	39	20.78	20.98	20.85	22.00
15	QPSK	75	0	20.79	20.90	20.69	22.00
15	16QAM	1	0	20.83	21.04	20.99	22.00
15	16QAM	1	37	20.97	21.07	20.97	22.00
15	16QAM	1	74	20.87	20.91	20.94	22.00
15	16QAM	36	0	19.85	20.05	19.89	21.00
15	16QAM	36	20	19.99	20.15	19.94	21.00
15	16QAM	36	39	19.72	19.93	19.87	21.00
15	16QAM	75	0	19.85	20.11	20.01	21.00
15	64QAM	1	0	19.89	20.05	19.99	21.00
15	64QAM	1	37	19.84	19.95	19.93	21.00
15	64QAM	1	74	19.88	20.05	19.88	21.00
15	64QAM	36	0	18.87	19.06	18.87	20.00
15	64QAM	36	20	18.90	19.14	18.85	20.00
15	64QAM	36	39	18.93	19.09	18.96	20.00
15	64QAM	75	0	18.90	19.07	18.99	20.00
15	256QAM	1	0	17.01	17.10	17.12	18.00
15	256QAM	1	37	16.73	16.90	16.71	18.00
15	256QAM	1	74	16.92	16.99	16.96	18.00
15	256QAM	36	0	16.72	16.92	16.72	18.00
15	256QAM	36	20	16.78	16.95	16.70	18.00
15	256QAM	36	39	16.71	16.91	16.89	18.00
15	256QAM	75	0	16.94	17.06	16.93	18.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.84	21.98	21.92	23.00
10	QPSK	1	25	21.70	21.86	21.60	23.00
10	QPSK	1	49	21.67	21.78	21.77	23.00
10	QPSK	25	0	20.89	21.13	20.94	22.00
10	QPSK	25	12	20.91	21.05	20.87	22.00
10	QPSK	25	25	20.76	20.93	20.91	22.00
10	QPSK	50	0	20.77	20.89	20.69	22.00
10	16QAM	1	0	20.91	21.01	21.04	22.00
10	16QAM	1	25	21.00	21.07	20.99	22.00
10	16QAM	1	49	20.87	21.05	20.96	22.00
10	16QAM	25	0	19.84	19.97	19.86	21.00
10	16QAM	25	12	20.06	20.08	19.94	21.00
10	16QAM	25	25	19.73	19.99	19.92	21.00



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10	16QAM	50	0	19.78	20.11	20.04	21.00
10	64QAM	1	0	19.99	20.06	19.90	21.00
10	64QAM	1	25	19.87	19.91	19.84	21.00
10	64QAM	1	49	19.92	20.11	19.96	21.00
10	64QAM	25	0	18.79	19.05	18.86	20.00
10	64QAM	25	12	18.95	19.01	18.87	20.00
10	64QAM	25	25	18.88	19.02	18.92	20.00
10	64QAM	50	0	18.96	19.07	19.01	20.00
10	256QAM	1	0	16.91	17.18	17.03	18.00
10	256QAM	1	25	16.70	16.91	16.75	18.00
10	256QAM	1	49	16.95	17.00	17.05	18.00
10	256QAM	25	0	16.74	16.89	16.76	18.00
10	256QAM	25	12	16.83	16.86	16.79	18.00
10	256QAM	25	25	16.71	16.91	16.78	18.00
10	256QAM	50	0	16.96	17.00	16.92	18.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.85	21.84	21.92	23.00
5	QPSK	1	12	21.75	21.83	21.64	23.00
5	QPSK	1	24	21.60	21.80	21.67	23.00
5	QPSK	12	0	20.96	21.09	20.94	22.00
5	QPSK	12	7	20.82	21.02	20.85	22.00
5	QPSK	12	13	20.84	20.97	20.86	22.00
5	QPSK	25	0	20.66	20.92	20.82	22.00
5	16QAM	1	0	20.93	21.11	20.99	22.00
5	16QAM	1	12	20.98	21.08	20.96	22.00
5	16QAM	1	24	20.93	21.05	20.88	22.00
5	16QAM	12	0	19.81	20.06	19.85	21.00
5	16QAM	12	7	20.07	20.04	19.97	21.00
5	16QAM	12	13	19.76	19.94	19.95	21.00
5	16QAM	25	0	19.84	20.10	20.00	21.00
5	64QAM	1	0	19.90	20.07	19.89	21.00
5	64QAM	1	12	19.91	19.92	19.87	21.00
5	64QAM	1	24	19.98	20.06	19.94	21.00
5	64QAM	12	0	18.89	19.07	18.88	20.00
5	64QAM	12	7	18.91	19.03	18.92	20.00
5	64QAM	12	13	18.98	19.10	18.98	20.00
5	64QAM	25	0	18.98	19.10	18.95	20.00
5	256QAM	1	0	17.04	17.14	17.07	18.00
5	256QAM	1	12	16.79	16.91	16.75	18.00
5	256QAM	1	24	16.89	17.06	16.94	18.00
5	256QAM	12	0	16.78	16.94	16.82	18.00
5	256QAM	12	7	16.80	16.92	16.80	18.00
5	256QAM	12	13	16.70	16.94	16.77	18.00
5	256QAM	25	0	16.88	17.04	16.97	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.01	22.03	21.97	23.00
20	QPSK	1	49	21.92	22.00	21.87	23.00
20	QPSK	1	99	21.81	21.97	21.87	23.00
20	QPSK	50	0	21.16	21.24	21.11	22.00
20	QPSK	50	24	21.10	21.19	21.03	22.00
20	QPSK	50	50	21.01	21.05	20.90	22.00
20	QPSK	100	0	21.06	21.20	21.05	22.00
20	16QAM	1	0	21.02	21.19	21.11	22.00
20	16QAM	1	49	21.15	21.24	21.14	22.00
20	16QAM	1	99	21.08	21.22	21.07	22.00
20	16QAM	50	0	20.04	20.19	20.06	21.00
20	16QAM	50	24	19.93	20.08	19.93	21.00
20	16QAM	50	50	20.02	20.05	19.88	21.00
20	16QAM	100	0	19.99	20.11	20.03	21.00
20	64QAM	1	0	19.98	20.14	19.97	21.00
20	64QAM	1	49	19.99	20.07	19.95	21.00
20	64QAM	1	99	20.07	20.18	19.98	21.00
20	64QAM	50	0	18.88	19.04	18.89	20.00
20	64QAM	50	24	19.08	19.22	19.15	20.00
20	64QAM	50	50	18.98	19.06	18.98	20.00
20	64QAM	100	0	19.03	19.09	18.96	20.00



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20	256QAM	1	0	17.01	17.12	16.94	18.00
20	256QAM	1	49	16.98	17.08	16.99	18.00
20	256QAM	1	99	16.95	17.05	16.97	18.00
20	256QAM	50	0	17.01	17.08	16.91	18.00
20	256QAM	50	24	17.13	17.22	17.03	18.00
20	256QAM	50	50	17.12	17.21	17.14	18.00
20	256QAM	100	0	17.06	17.13	16.98	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.94	21.96	21.83	23.00
15	QPSK	1	37	21.79	21.97	21.78	23.00
15	QPSK	1	74	21.71	21.84	21.73	23.00
15	QPSK	36	0	21.11	21.23	21.05	22.00
15	QPSK	36	20	20.95	21.17	20.92	22.00
15	QPSK	36	39	20.94	20.98	20.76	22.00
15	QPSK	75	0	20.96	21.11	20.99	22.00
15	16QAM	1	0	20.96	21.08	21.04	22.00
15	16QAM	1	37	21.01	21.09	21.02	22.00
15	16QAM	1	74	20.94	21.08	20.93	22.00
15	16QAM	36	0	19.92	20.08	20.00	21.00
15	16QAM	36	20	19.78	19.94	19.87	21.00
15	16QAM	36	39	19.94	19.97	19.74	21.00
15	16QAM	75	0	19.91	20.10	19.93	21.00
15	64QAM	1	0	19.92	20.12	19.95	21.00
15	64QAM	1	37	19.86	20.00	19.88	21.00
15	64QAM	1	74	19.94	20.14	19.95	21.00
15	64QAM	36	0	18.82	18.99	18.85	20.00
15	64QAM	36	20	19.03	19.21	19.06	20.00
15	64QAM	36	39	18.89	19.04	18.84	20.00
15	64QAM	75	0	18.91	19.02	18.94	20.00
15	256QAM	1	0	16.86	16.98	16.81	18.00
15	256QAM	1	37	16.85	16.94	16.98	18.00
15	256QAM	1	74	16.93	17.01	16.91	18.00
15	256QAM	36	0	16.89	17.03	16.87	18.00
15	256QAM	36	20	17.11	17.08	16.99	18.00
15	256QAM	36	39	17.11	17.14	17.02	18.00
15	256QAM	75	0	17.02	17.06	16.93	18.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	21.95	21.97	21.93	23.00
10	QPSK	1	25	21.79	21.90	21.78	23.00
10	QPSK	1	49	21.66	21.92	21.81	23.00
10	QPSK	25	0	21.08	21.11	20.98	22.00
10	QPSK	25	12	20.99	21.16	20.93	22.00
10	QPSK	25	25	20.94	21.02	20.76	22.00
10	QPSK	50	0	21.01	21.11	20.97	22.00
10	16QAM	1	0	20.99	21.07	21.07	22.00
10	16QAM	1	25	21.06	21.12	21.09	22.00
10	16QAM	1	49	20.94	21.12	21.06	22.00
10	16QAM	25	0	19.95	20.10	19.98	21.00
10	16QAM	25	12	19.82	19.95	19.82	21.00
10	16QAM	25	25	19.98	19.98	19.81	21.00
10	16QAM	50	0	19.97	19.97	19.96	21.00
10	64QAM	1	0	19.87	20.10	19.94	21.00
10	64QAM	1	25	19.95	19.95	19.86	21.00
10	64QAM	1	49	19.96	20.14	19.96	21.00
10	64QAM	25	0	18.74	18.90	18.83	20.00
10	64QAM	25	12	18.99	19.16	19.07	20.00
10	64QAM	25	25	18.85	19.04	18.90	20.00
10	64QAM	50	0	18.89	19.01	18.90	20.00
10	256QAM	1	0	16.88	16.99	16.90	18.00
10	256QAM	1	25	16.90	16.99	16.86	18.00
10	256QAM	1	49	16.82	17.03	16.88	18.00
10	256QAM	25	0	16.99	16.97	16.88	18.00
10	256QAM	25	12	17.04	17.19	16.92	18.00
10	256QAM	25	25	17.04	17.14	17.03	18.00
10	256QAM	50	0	16.98	17.07	16.88	18.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	21.90	21.89	21.90	23.00
5	QPSK	1	12	21.79	21.93	21.78	23.00
5	QPSK	1	24	21.72	21.91	21.85	23.00
5	QPSK	12	0	21.08	21.21	21.06	22.00
5	QPSK	12	7	21.06	21.04	21.01	22.00
5	QPSK	12	13	20.86	20.98	20.84	22.00
5	QPSK	25	0	21.04	21.11	20.96	22.00
5	16QAM	1	0	20.96	21.18	21.00	22.00
5	16QAM	1	12	21.07	21.11	21.02	22.00



5	16QAM	1	24	21.04	21.13	21.01	22.00
5	16QAM	12	0	19.93	20.18	19.93	21.00
5	16QAM	12	7	19.92	19.94	19.89	21.00
5	16QAM	12	13	19.92	19.92	19.82	21.00
5	16QAM	25	0	19.93	19.97	19.96	21.00
5	64QAM	1	0	19.93	20.07	19.82	21.00
5	64QAM	1	12	19.95	20.01	19.85	21.00
5	64QAM	1	24	20.05	20.06	19.93	21.00
5	64QAM	12	0	18.77	19.03	18.74	20.00
5	64QAM	12	7	19.06	19.16	19.10	20.00
5	64QAM	12	13	18.92	19.04	18.92	20.00
5	64QAM	25	0	18.88	19.03	18.89	20.00
5	256QAM	1	0	16.97	17.08	16.85	18.00
5	256QAM	1	12	16.87	16.97	16.93	18.00
5	256QAM	1	24	16.87	16.96	16.90	18.00
5	256QAM	12	0	16.92	16.95	16.83	18.00
5	256QAM	12	7	17.11	17.13	16.88	18.00
5	256QAM	12	13	17.05	17.13	17.08	18.00
5	256QAM	25	0	17.00	17.08	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.92	21.99	21.96	23.00
20	QPSK	1	49	21.80	21.90	21.73	23.00
20	QPSK	1	99	21.73	21.92	21.78	23.00
20	QPSK	50	0	21.03	21.16	20.98	22.00
20	QPSK	50	24	20.93	21.07	20.93	22.00
20	QPSK	50	50	20.85	21.05	20.97	22.00
20	QPSK	100	0	20.81	20.97	20.84	22.00
20	16QAM	1	0	20.96	21.15	21.10	22.00
20	16QAM	1	49	21.01	21.12	21.07	22.00
20	16QAM	1	99	20.98	21.06	21.00	22.00
20	16QAM	50	0	19.93	20.09	19.98	21.00
20	16QAM	50	24	20.09	20.18	20.04	21.00
20	16QAM	50	50	19.83	20.04	19.96	21.00
20	16QAM	100	0	19.93	20.13	20.09	21.00
20	64QAM	1	0	20.03	20.12	20.04	21.00
20	64QAM	1	49	19.92	20.06	19.96	21.00
20	64QAM	1	99	20.03	20.15	20.00	21.00
20	64QAM	50	0	18.92	19.12	18.98	20.00
20	64QAM	50	24	19.00	19.15	18.99	20.00
20	64QAM	50	50	19.01	19.15	19.03	20.00
20	64QAM	100	0	19.02	19.12	19.03	20.00
20	256QAM	1	0	17.05	17.20	17.13	18.00
20	256QAM	1	49	16.82	16.99	16.85	18.00
20	256QAM	1	99	17.02	17.11	17.07	18.00
20	256QAM	50	0	16.80	16.99	16.84	18.00
20	256QAM	50	24	16.86	16.99	16.82	18.00
20	256QAM	50	50	16.81	17.01	16.91	18.00
20	256QAM	100	0	16.99	17.07	16.98	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.80	21.95	21.85	23.00
15	QPSK	1	37	21.67	21.85	21.71	23.00
15	QPSK	1	74	21.60	21.78	21.74	23.00
15	QPSK	36	0	20.88	21.12	20.86	22.00
15	QPSK	36	20	20.79	20.96	20.91	22.00
15	QPSK	36	39	20.78	20.98	20.85	22.00
15	QPSK	75	0	20.79	20.90	20.69	22.00
15	16QAM	1	0	20.83	21.04	20.99	22.00
15	16QAM	1	37	20.97	21.07	20.97	22.00
15	16QAM	1	74	20.87	20.91	20.94	22.00
15	16QAM	36	0	19.85	20.05	19.89	21.00
15	16QAM	36	20	19.99	20.15	19.94	21.00
15	16QAM	36	39	19.72	19.93	19.87	21.00
15	16QAM	75	0	19.85	20.11	20.01	21.00
15	64QAM	1	0	19.89	20.05	19.99	21.00
15	64QAM	1	37	19.84	19.95	19.93	21.00
15	64QAM	1	74	19.88	20.05	19.88	21.00



15	64QAM	36	0	18.87	19.06	18.87	20.00
15	64QAM	36	20	18.90	19.14	18.85	20.00
15	64QAM	36	39	18.93	19.09	18.96	20.00
15	64QAM	75	0	18.90	19.07	18.99	20.00
15	256QAM	1	0	17.01	17.10	17.12	18.00
15	256QAM	1	37	16.73	16.90	16.71	18.00
15	256QAM	1	74	16.92	16.99	16.96	18.00
15	256QAM	36	0	16.72	16.92	16.72	18.00
15	256QAM	36	20	16.78	16.95	16.70	18.00
15	256QAM	36	39	16.71	16.91	16.89	18.00
15	256QAM	75	0	16.94	17.06	16.93	18.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	21.84	21.98	21.92	23.00
10	QPSK	1	25	21.70	21.86	21.60	23.00
10	QPSK	1	49	21.67	21.78	21.77	23.00
10	QPSK	25	0	20.89	21.13	20.94	22.00
10	QPSK	25	12	20.91	21.05	20.87	22.00
10	QPSK	25	25	20.76	20.93	20.91	22.00
10	QPSK	50	0	20.77	20.89	20.69	22.00
10	16QAM	1	0	20.91	21.01	21.04	22.00
10	16QAM	1	25	21.00	21.07	20.99	22.00
10	16QAM	1	49	20.87	21.05	20.96	22.00
10	16QAM	25	0	19.84	19.97	19.86	21.00
10	16QAM	25	12	20.06	20.08	19.94	21.00
10	16QAM	25	25	19.73	19.99	19.92	21.00
10	16QAM	50	0	19.78	20.11	20.04	21.00
10	64QAM	1	0	19.99	20.06	19.90	21.00
10	64QAM	1	25	19.87	19.91	19.84	21.00
10	64QAM	1	49	19.92	20.11	19.96	21.00
10	64QAM	25	0	18.79	19.05	18.86	20.00
10	64QAM	25	12	18.95	19.01	18.87	20.00
10	64QAM	25	25	18.88	19.02	18.92	20.00
10	64QAM	50	0	18.96	19.07	19.01	20.00
10	256QAM	1	0	16.91	17.18	17.03	18.00
10	256QAM	1	25	16.70	16.91	16.75	18.00
10	256QAM	1	49	16.95	17.00	17.05	18.00
10	256QAM	25	0	16.74	16.89	16.76	18.00
10	256QAM	25	12	16.83	16.86	16.79	18.00
10	256QAM	25	25	16.71	16.91	16.78	18.00
10	256QAM	50	0	16.96	17.00	16.92	18.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	21.85	21.84	21.92	23.00
5	QPSK	1	12	21.75	21.83	21.64	23.00
5	QPSK	1	24	21.60	21.80	21.67	23.00
5	QPSK	12	0	20.96	21.09	20.94	22.00
5	QPSK	12	7	20.82	21.02	20.85	22.00
5	QPSK	12	13	20.84	20.97	20.86	22.00
5	QPSK	25	0	20.66	20.92	20.82	22.00
5	16QAM	1	0	20.93	21.11	20.99	22.00
5	16QAM	1	12	20.98	21.08	20.96	22.00
5	16QAM	1	24	20.93	21.05	20.88	22.00
5	16QAM	12	0	19.81	20.06	19.85	21.00
5	16QAM	12	7	20.07	20.04	19.97	21.00
5	16QAM	12	13	19.76	19.94	19.95	21.00
5	16QAM	25	0	19.84	20.10	20.00	21.00
5	64QAM	1	0	19.90	20.07	19.89	21.00
5	64QAM	1	12	19.91	19.92	19.87	21.00
5	64QAM	1	24	19.98	20.06	19.94	21.00
5	64QAM	12	0	18.89	19.07	18.88	20.00
5	64QAM	12	7	18.91	19.03	18.92	20.00
5	64QAM	12	13	18.98	19.10	18.98	20.00
5	64QAM	25	0	18.98	19.10	18.95	20.00
5	256QAM	1	0	17.04	17.14	17.07	18.00
5	256QAM	1	12	16.79	16.91	16.75	18.00
5	256QAM	1	24	16.89	17.06	16.94	18.00
5	256QAM	12	0	16.78	16.94	16.82	18.00
5	256QAM	12	7	16.80	16.92	16.80	18.00
5	256QAM	12	13	16.70	16.94	16.77	18.00
5	256QAM	25	0	16.88	17.04	16.97	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 3】



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.20	20.23	20.18	20.90
20	QPSK	1	49	19.85	20.01	19.88	20.90
20	QPSK	1	99	19.88	19.99	19.88	20.90
20	QPSK	50	0	20.01	20.08	20.07	20.90
20	QPSK	50	24	19.86	20.03	19.86	20.90
20	QPSK	50	50	19.89	20.05	19.90	20.90
20	QPSK	100	0	19.16	20.00	19.08	20.90
20	16QAM	1	0	19.93	20.01	19.84	20.90
20	16QAM	1	49	19.96	20.05	19.94	20.90
20	16QAM	1	99	19.93	20.06	19.99	20.90
20	16QAM	50	0	19.95	20.01	19.84	20.90
20	16QAM	50	24	20.02	20.11	20.00	20.90
20	16QAM	50	50	19.96	20.01	19.85	20.90
20	16QAM	100	0	19.93	20.09	19.94	20.90
20	64QAM	1	0	19.85	20.02	19.91	20.90
20	64QAM	1	49	19.94	19.98	19.91	20.90
20	64QAM	1	99	20.00	20.09	19.92	20.90
20	64QAM	50	0	19.05	19.10	19.01	20.00
20	64QAM	50	24	18.77	18.94	18.78	20.00
20	64QAM	50	50	18.92	19.01	18.86	20.00
20	64QAM	100	0	18.98	19.04	18.92	20.00
20	256QAM	1	0	17.03	17.07	16.90	18.00
20	256QAM	1	49	17.02	17.10	16.95	18.00
20	256QAM	1	99	16.93	17.09	17.02	18.00
20	256QAM	50	0	16.91	16.97	16.82	18.00
20	256QAM	50	24	16.88	16.99	16.93	18.00
20	256QAM	50	50	16.97	17.09	16.94	18.00
20	256QAM	100	0	16.94	17.11	17.01	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.08	20.14	20.06	20.90
15	QPSK	1	37	19.78	19.98	19.85	20.90
15	QPSK	1	74	19.83	19.89	19.84	20.90
15	QPSK	36	0	19.96	19.95	19.96	20.90
15	QPSK	36	20	19.77	20.00	19.82	20.90
15	QPSK	36	39	19.87	20.04	19.75	20.90
15	QPSK	75	0	19.07	19.87	19.02	20.90
15	16QAM	1	0	19.80	19.88	19.81	20.90
15	16QAM	1	37	19.84	19.99	19.87	20.90
15	16QAM	1	74	19.79	20.01	19.88	20.90
15	16QAM	36	0	19.91	19.94	19.74	20.90
15	16QAM	36	20	19.96	20.09	19.96	20.90
15	16QAM	36	39	19.93	19.86	19.78	20.90
15	16QAM	75	0	19.87	19.94	19.92	20.90
15	64QAM	1	0	19.79	19.95	19.81	20.90
15	64QAM	1	37	19.92	19.92	19.81	20.90
15	64QAM	1	74	19.92	19.98	19.84	20.90
15	64QAM	36	0	18.91	18.97	18.91	20.00
15	64QAM	36	20	18.74	18.80	18.66	20.00
15	64QAM	36	39	18.80	18.89	18.84	20.00
15	64QAM	75	0	18.90	19.01	18.80	20.00
15	256QAM	1	0	17.00	16.98	16.85	18.00
15	256QAM	1	37	17.01	17.06	16.86	18.00
15	256QAM	1	74	16.86	17.05	16.96	18.00
15	256QAM	36	0	16.81	16.96	16.69	18.00
15	256QAM	36	20	16.87	16.95	16.92	18.00
15	256QAM	36	39	16.94	17.02	16.89	18.00
15	256QAM	75	0	16.87	17.02	16.97	18.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	20.15	20.10	20.13	20.90
10	QPSK	1	25	19.74	19.97	19.83	20.90
10	QPSK	1	49	19.78	19.92	19.74	20.90
10	QPSK	25	0	19.90	19.95	20.03	20.90
10	QPSK	25	12	19.76	20.01	19.76	20.90
10	QPSK	25	25	19.79	20.03	19.88	20.90
10	QPSK	50	0	19.01	19.88	19.03	20.90
10	16QAM	1	0	19.79	19.93	19.83	20.90
10	16QAM	1	25	19.85	19.93	19.85	20.90
10	16QAM	1	49	19.87	19.92	19.87	20.90
10	16QAM	25	0	19.92	19.91	19.80	20.90
10	16QAM	25	12	19.93	20.08	19.91	20.90
10	16QAM	25	25	19.94	19.88	19.83	20.90



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10	16QAM	50	0	19.86	20.06	19.90	20.90
10	64QAM	1	0	19.76	19.94	19.77	20.90
10	64QAM	1	25	19.93	19.91	19.78	20.90
10	64QAM	1	49	19.91	20.04	19.80	20.90
10	64QAM	25	0	19.01	19.06	18.93	20.00
10	64QAM	25	12	18.75	18.82	18.63	20.00
10	64QAM	25	25	18.91	18.98	18.85	20.00
10	64QAM	50	0	18.91	18.92	18.87	20.00
10	256QAM	1	0	16.94	16.95	16.76	18.00
10	256QAM	1	25	16.91	17.00	16.88	18.00
10	256QAM	1	49	16.89	17.06	16.88	18.00
10	256QAM	25	0	16.76	16.94	16.77	18.00
10	256QAM	25	12	16.84	16.85	16.91	18.00
10	256QAM	25	25	16.89	17.02	16.85	18.00
10	256QAM	50	0	16.84	17.02	16.90	18.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	20.05	20.14	20.08	20.90
5	QPSK	1	12	19.78	19.88	19.74	20.90
5	QPSK	1	24	19.78	19.95	19.81	20.90
5	QPSK	12	0	19.96	19.98	19.93	20.90
5	QPSK	12	7	19.78	20.01	19.81	20.90
5	QPSK	12	13	19.86	19.97	19.84	20.90
5	QPSK	25	0	19.04	19.98	19.04	20.90
5	16QAM	1	0	19.85	19.91	19.73	20.90
5	16QAM	1	12	19.82	19.91	19.87	20.90
5	16QAM	1	24	19.91	19.91	19.84	20.90
5	16QAM	12	0	19.84	19.94	19.78	20.90
5	16QAM	12	7	19.93	20.01	19.87	20.90
5	16QAM	12	13	19.82	19.98	19.77	20.90
5	16QAM	25	0	19.85	19.94	19.87	20.90
5	64QAM	1	0	19.78	19.96	19.87	20.90
5	64QAM	1	12	19.80	19.91	19.79	20.90
5	64QAM	1	24	19.96	20.07	19.85	20.90
5	64QAM	12	0	18.96	18.98	18.89	20.00
5	64QAM	12	7	18.72	18.83	18.67	20.00
5	64QAM	12	13	18.86	18.93	18.74	20.00
5	64QAM	25	0	18.97	18.96	18.89	20.00
5	256QAM	1	0	16.89	17.01	16.85	18.00
5	256QAM	1	12	16.96	17.09	16.91	18.00
5	256QAM	1	24	16.79	17.03	16.95	18.00
5	256QAM	12	0	16.82	16.94	16.68	18.00
5	256QAM	12	7	16.74	16.92	16.85	18.00
5	256QAM	12	13	16.83	16.97	16.84	18.00
5	256QAM	25	0	16.88	16.98	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.04	20.19	20.09	20.90
20	QPSK	1	49	19.65	19.91	19.72	20.90
20	QPSK	1	99	19.81	20.08	19.90	20.90
20	QPSK	50	0	20.01	20.07	20.05	20.90
20	QPSK	50	24	19.65	19.93	19.79	20.90
20	QPSK	50	50	19.82	20.05	19.84	20.90
20	QPSK	100	0	20.00	20.05	19.96	20.90
20	16QAM	1	0	19.77	20.00	19.78	20.90
20	16QAM	1	49	19.67	19.88	19.76	20.90
20	16QAM	1	99	19.75	20.00	19.82	20.90
20	16QAM	50	0	19.79	20.05	19.91	20.90
20	16QAM	50	24	19.77	20.04	19.87	20.90
20	16QAM	50	50	19.76	19.95	19.82	20.90
20	16QAM	100	0	19.81	20.01	19.83	20.90
20	64QAM	1	0	19.67	19.94	19.76	20.90
20	64QAM	1	49	19.83	20.06	19.82	20.90
20	64QAM	1	99	19.65	19.93	19.77	20.90
20	64QAM	50	0	18.78	18.94	18.70	20.00
20	64QAM	50	24	18.87	19.08	18.85	20.00
20	64QAM	50	50	18.73	18.94	18.83	20.00
20	64QAM	100	0	18.86	19.02	18.80	20.00



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20	256QAM	1	0	16.77	16.91	16.76	18.00
20	256QAM	1	49	16.64	16.88	16.72	18.00
20	256QAM	1	99	16.75	16.93	16.73	18.00
20	256QAM	50	0	16.71	16.93	16.76	18.00
20	256QAM	50	24	16.74	16.99	16.76	18.00
20	256QAM	50	50	16.67	16.91	16.77	18.00
20	256QAM	100	0	16.73	16.96	16.82	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.00	20.06	19.96	20.90
15	QPSK	1	37	19.64	19.83	19.61	20.90
15	QPSK	1	74	19.76	20.05	19.76	20.90
15	QPSK	36	0	19.88	19.98	19.96	20.90
15	QPSK	36	20	19.53	19.78	19.71	20.90
15	QPSK	36	39	19.67	19.95	19.73	20.90
15	QPSK	75	0	19.96	19.98	19.86	20.90
15	16QAM	1	0	19.68	19.96	19.75	20.90
15	16QAM	1	37	19.58	19.81	19.70	20.90
15	16QAM	1	74	19.67	19.98	19.81	20.90
15	16QAM	36	0	19.73	19.91	19.78	20.90
15	16QAM	36	20	19.75	20.02	19.75	20.90
15	16QAM	36	39	19.62	19.92	19.71	20.90
15	16QAM	75	0	19.72	19.92	19.70	20.90
15	64QAM	1	0	19.66	19.83	19.64	20.90
15	64QAM	1	37	19.75	19.93	19.73	20.90
15	64QAM	1	74	19.52	19.86	19.67	20.90
15	64QAM	36	0	18.67	18.85	18.57	20.00
15	64QAM	36	20	18.80	18.96	18.82	20.00
15	64QAM	36	39	18.59	18.87	18.73	20.00
15	64QAM	75	0	18.80	18.92	18.75	20.00
15	256QAM	1	0	16.66	16.81	16.74	18.00
15	256QAM	1	37	16.57	16.83	16.68	18.00
15	256QAM	1	74	16.72	16.82	16.67	18.00
15	256QAM	36	0	16.68	16.89	16.73	18.00
15	256QAM	36	20	16.64	16.94	16.70	18.00
15	256QAM	36	39	16.61	16.87	16.72	18.00
15	256QAM	75	0	16.61	16.90	16.80	18.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	19.91	20.12	20.01	20.90
10	QPSK	1	25	19.55	19.79	19.67	20.90
10	QPSK	1	49	19.74	19.99	19.79	20.90
10	QPSK	25	0	19.88	19.98	19.92	20.90
10	QPSK	25	12	19.51	19.88	19.71	20.90
10	QPSK	25	25	19.73	20.01	19.80	20.90
10	QPSK	50	0	19.97	20.00	19.91	20.90
10	16QAM	1	0	19.68	19.94	19.69	20.90
10	16QAM	1	25	19.62	19.77	19.74	20.90
10	16QAM	1	49	19.71	19.90	19.79	20.90
10	16QAM	25	0	19.74	19.94	19.87	20.90
10	16QAM	25	12	19.69	19.95	19.83	20.90
10	16QAM	25	25	19.62	19.80	19.77	20.90
10	16QAM	50	0	19.68	19.94	19.74	20.90
10	64QAM	1	0	19.65	19.87	19.73	20.90
10	64QAM	1	25	19.80	19.94	19.72	20.90
10	64QAM	1	49	19.50	19.87	19.65	20.90
10	64QAM	25	0	18.68	18.90	18.57	20.00
10	64QAM	25	12	18.74	19.04	18.71	20.00
10	64QAM	25	25	18.72	18.88	18.70	20.00
10	64QAM	50	0	18.84	18.91	18.75	20.00
10	256QAM	1	0	16.74	16.77	16.73	18.00
10	256QAM	1	25	16.58	16.75	16.65	18.00
10	256QAM	1	49	16.67	16.89	16.71	18.00
10	256QAM	25	0	16.63	16.91	16.74	18.00
10	256QAM	25	12	16.71	16.95	16.62	18.00
10	256QAM	25	25	16.56	16.86	16.64	18.00
10	256QAM	50	0	16.64	16.82	16.70	18.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	19.91	20.10	19.95	20.90
5	QPSK	1	12	19.54	19.90	19.70	20.90
5	QPSK	1	24	19.71	20.02	19.88	20.90
5	QPSK	12	0	20.00	20.00	19.93	20.90
5	QPSK	12	7	19.60	19.91	19.65	20.90
5	QPSK	12	13	19.68	19.93	19.82	20.90
5	QPSK	25	0	19.93	19.97	19.84	20.90
5	16QAM	1	0	19.70	19.98	19.67	20.90
5	16QAM	1	12	19.59	19.83	19.62	20.90



5	16QAM	1	24	19.67	19.93	19.79	20.90
5	16QAM	12	0	19.66	19.98	19.88	20.90
5	16QAM	12	7	19.69	19.98	19.85	20.90
5	16QAM	12	13	19.68	19.88	19.68	20.90
5	16QAM	25	0	19.68	19.98	19.77	20.90
5	64QAM	1	0	19.56	19.80	19.67	20.90
5	64QAM	1	12	19.73	19.94	19.79	20.90
5	64QAM	1	24	19.63	19.90	19.68	20.90
5	64QAM	12	0	18.63	18.82	18.57	20.00
5	64QAM	12	7	18.80	19.05	18.79	20.00
5	64QAM	12	13	18.67	18.81	18.72	20.00
5	64QAM	25	0	18.79	18.97	18.70	20.00
5	256QAM	1	0	16.66	16.79	16.63	18.00
5	256QAM	1	12	16.59	16.79	16.62	18.00
5	256QAM	1	24	16.61	16.92	16.59	18.00
5	256QAM	12	0	16.68	16.87	16.71	18.00
5	256QAM	12	7	16.70	16.92	16.66	18.00
5	256QAM	12	13	16.57	16.87	16.63	18.00
5	256QAM	25	0	16.61	16.85	16.79	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_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				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.01	22.03	21.97	
20	QPSK	1	49	21.92	22.00	21.87	23.00
20	QPSK	1	99	21.81	21.97	21.87	23.00
20	QPSK	50	0	21.16	21.24	21.11	22.00
20	QPSK	50	24	21.10	21.19	21.03	22.00
20	QPSK	50	50	21.01	21.05	20.90	22.00
20	QPSK	100	0	21.06	21.20	21.05	22.00
20	16QAM	1	0	21.02	21.19	21.11	22.00
20	16QAM	1	49	21.15	21.24	21.14	22.00
20	16QAM	1	99	21.08	21.22	21.07	22.00
20	16QAM	50	0	20.04	20.19	20.06	21.00
20	16QAM	50	24	19.93	20.08	19.93	21.00
20	16QAM	50	50	20.02	20.05	19.88	21.00
20	16QAM	100	0	19.99	20.11	20.03	21.00
20	64QAM	1	0	19.98	20.14	19.97	21.00
20	64QAM	1	49	19.99	20.07	19.95	21.00
20	64QAM	1	99	20.07	20.18	19.98	21.00
20	64QAM	50	0	18.88	19.04	18.89	20.00
20	64QAM	50	24	19.08	19.22	19.15	20.00
20	64QAM	50	50	18.98	19.06	18.98	20.00
20	64QAM	100	0	19.03	19.09	18.96	20.00
20	256QAM	1	0	17.01	17.12	16.94	18.00
20	256QAM	1	49	16.98	17.08	16.99	18.00
20	256QAM	1	99	16.95	17.05	16.97	18.00
20	256QAM	50	0	17.01	17.08	16.91	18.00
20	256QAM	50	24	17.13	17.22	17.03	18.00
20	256QAM	50	50	17.12	17.21	17.14	18.00
20	256QAM	100	0	17.06	17.13	16.98	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.94	21.96	21.83	
15	QPSK	1	37	21.79	21.97	21.78	23.00
15	QPSK	1	74	21.71	21.84	21.73	23.00
15	QPSK	36	0	21.11	21.23	21.05	22.00
15	QPSK	36	20	20.95	21.17	20.92	22.00
15	QPSK	36	39	20.94	20.98	20.76	22.00
15	QPSK	75	0	20.96	21.11	20.99	22.00
15	16QAM	1	0	20.96	21.08	21.04	22.00
15	16QAM	1	37	21.01	21.09	21.02	22.00
15	16QAM	1	74	20.94	21.08	20.93	22.00
15	16QAM	36	0	19.92	20.08	20.00	21.00
15	16QAM	36	20	19.78	19.94	19.87	21.00
15	16QAM	36	39	19.94	19.97	19.74	21.00
15	16QAM	75	0	19.91	20.10	19.93	21.00
15	64QAM	1	0	19.92	20.12	19.95	21.00
15	64QAM	1	37	19.86	20.00	19.88	21.00
15	64QAM	1	74	19.94	20.14	19.95	21.00



15	64QAM	36	0	18.82	18.99	18.85	20.00
15	64QAM	36	20	19.03	19.21	19.06	20.00
15	64QAM	36	39	18.89	19.04	18.84	20.00
15	64QAM	75	0	18.91	19.02	18.94	20.00
15	256QAM	1	0	16.86	16.98	16.81	18.00
15	256QAM	1	37	16.85	16.94	16.98	18.00
15	256QAM	1	74	16.93	17.01	16.91	18.00
15	256QAM	36	0	16.89	17.03	16.87	18.00
15	256QAM	36	20	17.11	17.08	16.99	18.00
15	256QAM	36	39	17.11	17.14	17.02	18.00
15	256QAM	75	0	17.02	17.06	16.93	18.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	21.95	21.97	21.93	23.00
10	QPSK	1	25	21.79	21.90	21.78	23.00
10	QPSK	1	49	21.66	21.92	21.81	23.00
10	QPSK	25	0	21.08	21.11	20.98	22.00
10	QPSK	25	12	20.99	21.16	20.93	22.00
10	QPSK	25	25	20.94	21.02	20.76	22.00
10	QPSK	50	0	21.01	21.11	20.97	22.00
10	16QAM	1	0	20.99	21.07	21.07	22.00
10	16QAM	1	25	21.06	21.12	21.09	22.00
10	16QAM	1	49	20.94	21.12	21.06	22.00
10	16QAM	25	0	19.95	20.10	19.98	21.00
10	16QAM	25	12	19.82	19.95	19.82	21.00
10	16QAM	25	25	19.98	19.98	19.81	21.00
10	16QAM	50	0	19.97	19.97	19.96	21.00
10	64QAM	1	0	19.87	20.10	19.94	21.00
10	64QAM	1	25	19.95	19.95	19.86	21.00
10	64QAM	1	49	19.96	20.14	19.96	21.00
10	64QAM	25	0	18.74	18.90	18.83	20.00
10	64QAM	25	12	18.99	19.16	19.07	20.00
10	64QAM	25	25	18.85	19.04	18.90	20.00
10	64QAM	50	0	18.89	19.01	18.90	20.00
10	256QAM	1	0	16.88	16.99	16.90	18.00
10	256QAM	1	25	16.90	16.99	16.86	18.00
10	256QAM	1	49	16.82	17.03	16.88	18.00
10	256QAM	25	0	16.99	16.97	16.88	18.00
10	256QAM	25	12	17.04	17.19	16.92	18.00
10	256QAM	25	25	17.04	17.14	17.03	18.00
10	256QAM	50	0	16.98	17.07	16.88	18.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	21.90	21.89	21.90	23.00
5	QPSK	1	12	21.79	21.93	21.78	23.00
5	QPSK	1	24	21.72	21.91	21.85	23.00
5	QPSK	12	0	21.08	21.21	21.06	22.00
5	QPSK	12	7	21.06	21.04	21.01	22.00
5	QPSK	12	13	20.86	20.98	20.84	22.00
5	QPSK	25	0	21.04	21.11	20.96	22.00
5	16QAM	1	0	20.96	21.18	21.00	22.00
5	16QAM	1	12	21.07	21.11	21.02	22.00
5	16QAM	1	24	21.04	21.13	21.01	22.00
5	16QAM	12	0	19.93	20.18	19.93	21.00
5	16QAM	12	7	19.92	19.94	19.89	21.00
5	16QAM	12	13	19.92	19.92	19.82	21.00
5	16QAM	25	0	19.93	19.97	19.96	21.00
5	64QAM	1	0	19.93	20.07	19.82	21.00
5	64QAM	1	12	19.95	20.01	19.85	21.00
5	64QAM	1	24	20.05	20.06	19.93	21.00
5	64QAM	12	0	18.77	19.03	18.74	20.00
5	64QAM	12	7	19.06	19.16	19.10	20.00
5	64QAM	12	13	18.92	19.04	18.92	20.00
5	64QAM	25	0	18.88	19.03	18.89	20.00
5	256QAM	1	0	16.97	17.08	16.85	18.00
5	256QAM	1	12	16.87	16.97	16.93	18.00
5	256QAM	1	24	16.87	16.96	16.90	18.00
5	256QAM	12	0	16.92	16.95	16.83	18.00
5	256QAM	12	7	17.11	17.13	16.88	18.00
5	256QAM	12	13	17.05	17.13	17.08	18.00
5	256QAM	25	0	17.00	17.08	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.92	21.99	21.96	23.00
20	QPSK	1	49	21.80	21.90	21.73	23.00
20	QPSK	1	99	21.73	21.92	21.78	23.00
20	QPSK	50	0	21.03	21.16	20.98	22.00
20	QPSK	50	24	20.93	21.07	20.93	22.00
20	QPSK	50	50	20.85	21.05	20.97	22.00
20	QPSK	100	0	20.81	20.97	20.84	22.00
20	16QAM	1	0	20.96	21.15	21.10	22.00
20	16QAM	1	49	21.01	21.12	21.07	22.00
20	16QAM	1	99	20.98	21.06	21.00	22.00
20	16QAM	50	0	19.93	20.09	19.98	21.00
20	16QAM	50	24	20.09	20.18	20.04	21.00
20	16QAM	50	50	19.83	20.04	19.96	21.00
20	16QAM	100	0	19.93	20.13	20.09	21.00
20	64QAM	1	0	20.03	20.12	20.04	21.00
20	64QAM	1	49	19.92	20.06	19.96	21.00
20	64QAM	1	99	20.03	20.15	20.00	21.00
20	64QAM	50	0	18.92	19.12	18.98	20.00
20	64QAM	50	24	19.00	19.15	18.99	20.00
20	64QAM	50	50	19.01	19.15	19.03	20.00
20	64QAM	100	0	19.02	19.12	19.03	20.00
20	256QAM	1	0	17.05	17.20	17.13	18.00
20	256QAM	1	49	16.82	16.99	16.85	18.00
20	256QAM	1	99	17.02	17.11	17.07	18.00
20	256QAM	50	0	16.80	16.99	16.84	18.00
20	256QAM	50	24	16.86	16.99	16.82	18.00
20	256QAM	50	50	16.81	17.01	16.91	18.00
20	256QAM	100	0	16.99	17.07	16.98	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.80	21.95	21.85	23.00
15	QPSK	1	37	21.67	21.85	21.71	23.00
15	QPSK	1	74	21.60	21.78	21.74	23.00
15	QPSK	36	0	20.88	21.12	20.86	22.00
15	QPSK	36	20	20.79	20.96	20.91	22.00
15	QPSK	36	39	20.78	20.98	20.85	22.00
15	QPSK	75	0	20.79	20.90	20.69	22.00
15	16QAM	1	0	20.83	21.04	20.99	22.00
15	16QAM	1	37	20.97	21.07	20.97	22.00
15	16QAM	1	74	20.87	20.91	20.94	22.00
15	16QAM	36	0	19.85	20.05	19.89	21.00
15	16QAM	36	20	19.99	20.15	19.94	21.00
15	16QAM	36	39	19.72	19.93	19.87	21.00
15	16QAM	75	0	19.85	20.11	20.01	21.00
15	64QAM	1	0	19.89	20.05	19.99	21.00
15	64QAM	1	37	19.84	19.95	19.93	21.00
15	64QAM	1	74	19.88	20.05	19.88	21.00
15	64QAM	36	0	18.87	19.06	18.87	20.00
15	64QAM	36	20	18.90	19.14	18.85	20.00
15	64QAM	36	39	18.93	19.09	18.96	20.00
15	64QAM	75	0	18.90	19.07	18.99	20.00
15	256QAM	1	0	17.01	17.10	17.12	18.00
15	256QAM	1	37	16.73	16.90	16.71	18.00
15	256QAM	1	74	16.92	16.99	16.96	18.00
15	256QAM	36	0	16.72	16.92	16.72	18.00
15	256QAM	36	20	16.78	16.95	16.70	18.00
15	256QAM	36	39	16.71	16.91	16.89	18.00
15	256QAM	75	0	16.94	17.06	16.93	18.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.84	21.98	21.92	23.00
10	QPSK	1	25	21.70	21.86	21.60	23.00
10	QPSK	1	49	21.67	21.78	21.77	23.00
10	QPSK	25	0	20.89	21.13	20.94	22.00
10	QPSK	25	12	20.91	21.05	20.87	22.00
10	QPSK	25	25	20.76	20.93	20.91	22.00
10	QPSK	50	0	20.77	20.89	20.69	22.00
10	16QAM	1	0	20.91	21.01	21.04	22.00
10	16QAM	1	25	21.00	21.07	20.99	22.00
10	16QAM	1	49	20.87	21.05	20.96	22.00
10	16QAM	25	0	19.84	19.97	19.86	21.00
10	16QAM	25	12	20.06	20.08	19.94	21.00
10	16QAM	25	25	19.73	19.99	19.92	21.00



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10	16QAM	50	0	19.78	20.11	20.04	21.00
10	64QAM	1	0	19.99	20.06	19.90	21.00
10	64QAM	1	25	19.87	19.91	19.84	21.00
10	64QAM	1	49	19.92	20.11	19.96	21.00
10	64QAM	25	0	18.79	19.05	18.86	20.00
10	64QAM	25	12	18.95	19.01	18.87	20.00
10	64QAM	25	25	18.88	19.02	18.92	20.00
10	64QAM	50	0	18.96	19.07	19.01	20.00
10	256QAM	1	0	16.91	17.18	17.03	18.00
10	256QAM	1	25	16.70	16.91	16.75	18.00
10	256QAM	1	49	16.95	17.00	17.05	18.00
10	256QAM	25	0	16.74	16.89	16.76	18.00
10	256QAM	25	12	16.83	16.86	16.79	18.00
10	256QAM	25	25	16.71	16.91	16.78	18.00
10	256QAM	50	0	16.96	17.00	16.92	18.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.85	21.84	21.92	23.00
5	QPSK	1	12	21.75	21.83	21.64	23.00
5	QPSK	1	24	21.60	21.80	21.67	23.00
5	QPSK	12	0	20.96	21.09	20.94	22.00
5	QPSK	12	7	20.82	21.02	20.85	22.00
5	QPSK	12	13	20.84	20.97	20.86	22.00
5	QPSK	25	0	20.66	20.92	20.82	22.00
5	16QAM	1	0	20.93	21.11	20.99	22.00
5	16QAM	1	12	20.98	21.08	20.96	22.00
5	16QAM	1	24	20.93	21.05	20.88	22.00
5	16QAM	12	0	19.81	20.06	19.85	21.00
5	16QAM	12	7	20.07	20.04	19.97	21.00
5	16QAM	12	13	19.76	19.94	19.95	21.00
5	16QAM	25	0	19.84	20.10	20.00	21.00
5	64QAM	1	0	19.90	20.07	19.89	21.00
5	64QAM	1	12	19.91	19.92	19.87	21.00
5	64QAM	1	24	19.98	20.06	19.94	21.00
5	64QAM	12	0	18.89	19.07	18.88	20.00
5	64QAM	12	7	18.91	19.03	18.92	20.00
5	64QAM	12	13	18.98	19.10	18.98	20.00
5	64QAM	25	0	18.98	19.10	18.95	20.00
5	256QAM	1	0	17.04	17.14	17.07	18.00
5	256QAM	1	12	16.79	16.91	16.75	18.00
5	256QAM	1	24	16.89	17.06	16.94	18.00
5	256QAM	12	0	16.78	16.94	16.82	18.00
5	256QAM	12	7	16.80	16.92	16.80	18.00
5	256QAM	12	13	16.70	16.94	16.77	18.00
5	256QAM	25	0	16.88	17.04	16.97	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.45	15.47	15.45	16.60
20	QPSK	1	49	15.41	15.44	15.30	16.60
20	QPSK	1	99	15.34	15.40	15.35	16.60
20	QPSK	50	0	15.38	15.46	15.35	16.60
20	QPSK	50	24	15.30	15.31	15.34	16.60
20	QPSK	50	50	15.32	15.31	15.33	16.60
20	QPSK	100	0	15.31	15.38	15.31	16.60
20	16QAM	1	0	15.40	15.34	15.35	16.60
20	16QAM	1	49	15.32	15.38	15.36	16.60
20	16QAM	1	99	15.42	15.36	15.31	16.60
20	16QAM	50	0	15.38	15.33	15.36	16.60
20	16QAM	50	24	15.32	15.34	15.30	16.60
20	16QAM	50	50	15.38	15.34	15.33	16.60
20	16QAM	100	0	15.42	15.37	15.35	16.60
20	64QAM	1	0	15.37	15.33	15.27	16.60
20	64QAM	1	49	15.31	15.35	15.31	16.60
20	64QAM	1	99	15.31	15.42	15.28	16.60
20	64QAM	50	0	15.32	15.39	15.33	16.60
20	64QAM	50	24	15.39	15.33	15.37	16.60
20	64QAM	50	50	15.38	15.41	15.34	16.60
20	64QAM	100	0	15.34	15.39	15.33	16.60



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20	256QAM	1	0	15.31	15.41	15.31	16.60
20	256QAM	1	49	15.37	15.40	15.31	16.60
20	256QAM	1	99	15.39	15.36	15.37	16.60
20	256QAM	50	0	15.35	15.41	15.28	16.60
20	256QAM	50	24	15.31	15.41	15.34	16.60
20	256QAM	50	50	15.41	15.33	15.27	16.60
20	256QAM	100	0	15.38	15.44	15.33	16.60
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.41	15.39	15.34	16.60
15	QPSK	1	37	15.38	15.38	15.23	16.60
15	QPSK	1	74	15.27	15.26	15.32	16.60
15	QPSK	36	0	15.26	15.32	15.29	16.60
15	QPSK	36	20	15.25	15.22	15.33	16.60
15	QPSK	36	39	15.38	15.38	15.25	16.60
15	QPSK	75	0	15.20	15.23	15.23	16.60
15	16QAM	1	0	15.36	15.20	15.25	16.60
15	16QAM	1	37	15.22	15.27	15.23	16.60
15	16QAM	1	74	15.35	15.25	15.23	16.60
15	16QAM	36	0	15.24	15.31	15.29	16.60
15	16QAM	36	20	15.23	15.33	15.16	16.60
15	16QAM	36	39	15.26	15.24	15.23	16.60
15	16QAM	75	0	15.39	15.32	15.23	16.60
15	64QAM	1	0	15.35	15.28	15.25	16.60
15	64QAM	1	37	15.29	15.31	15.21	16.60
15	64QAM	1	74	15.24	15.29	15.16	16.60
15	64QAM	36	0	15.23	15.32	15.28	16.60
15	64QAM	36	20	15.25	15.25	15.34	16.60
15	64QAM	36	39	15.33	15.33	15.31	16.60
15	64QAM	75	0	15.24	15.29	15.31	16.60
15	256QAM	1	0	15.25	15.32	15.21	16.60
15	256QAM	1	37	15.25	15.26	15.24	16.60
15	256QAM	1	74	15.35	15.35	15.25	16.60
15	256QAM	36	0	15.23	15.29	15.19	16.60
15	256QAM	36	20	15.24	15.39	15.21	16.60
15	256QAM	36	39	15.28	15.25	15.13	16.60
15	256QAM	75	0	15.26	15.39	15.29	16.60
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.43	15.36	15.39	16.60
10	QPSK	1	25	15.38	15.35	15.17	16.60
10	QPSK	1	49	15.20	15.34	15.29	16.60
10	QPSK	25	0	15.36	15.36	15.27	16.60
10	QPSK	25	12	15.17	15.21	15.27	16.60
10	QPSK	25	25	15.31	15.29	15.28	16.60
10	QPSK	50	0	15.25	15.28	15.30	16.60
10	16QAM	1	0	15.32	15.30	15.25	16.60
10	16QAM	1	25	15.28	15.36	15.26	16.60
10	16QAM	1	49	15.40	15.30	15.27	16.60
10	16QAM	25	0	15.23	15.28	15.34	16.60
10	16QAM	25	12	15.26	15.27	15.19	16.60
10	16QAM	25	25	15.33	15.27	15.25	16.60
10	16QAM	50	0	15.38	15.33	15.27	16.60
10	64QAM	1	0	15.26	15.31	15.16	16.60
10	64QAM	1	25	15.28	15.33	15.30	16.60
10	64QAM	1	49	15.20	15.41	15.23	16.60
10	64QAM	25	0	15.30	15.26	15.30	16.60
10	64QAM	25	12	15.25	15.27	15.26	16.60
10	64QAM	25	25	15.27	15.39	15.22	16.60
10	64QAM	50	0	15.28	15.24	15.22	16.60
10	256QAM	1	0	15.28	15.34	15.26	16.60
10	256QAM	1	25	15.32	15.29	15.21	16.60
10	256QAM	1	49	15.26	15.35	15.34	16.60
10	256QAM	25	0	15.22	15.37	15.25	16.60
10	256QAM	25	12	15.28	15.36	15.31	16.60
10	256QAM	25	25	15.29	15.29	15.26	16.60
10	256QAM	50	0	15.37	15.34	15.28	16.60
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.39	15.42	15.37	16.60
5	QPSK	1	12	15.39	15.30	15.16	16.60
5	QPSK	1	24	15.26	15.36	15.30	16.60
5	QPSK	12	0	15.35	15.44	15.32	16.60
5	QPSK	12	7	15.25	15.21	15.30	16.60
5	QPSK	12	13	15.32	15.36	15.19	16.60
5	QPSK	25	0	15.24	15.30	15.23	16.60
5	16QAM	1	0	15.35	15.20	15.29	16.60
5	16QAM	1	12	15.18	15.27	15.23	16.60



5	16QAM	1	24	15.33	15.27	15.20	16.60
5	16QAM	12	0	15.27	15.20	15.27	16.60
5	16QAM	12	7	15.18	15.25	15.24	16.60
5	16QAM	12	13	15.36	15.19	15.30	16.60
5	16QAM	25	0	15.38	15.29	15.27	16.60
5	64QAM	1	0	15.25	15.27	15.21	16.60
5	64QAM	1	12	15.17	15.21	15.28	16.60
5	64QAM	1	24	15.19	15.37	15.19	16.60
5	64QAM	12	0	15.26	15.30	15.27	16.60
5	64QAM	12	7	15.25	15.21	15.29	16.60
5	64QAM	12	13	15.34	15.40	15.23	16.60
5	64QAM	25	0	15.25	15.35	15.27	16.60
5	256QAM	1	0	15.17	15.40	15.25	16.60
5	256QAM	1	12	15.29	15.31	15.22	16.60
5	256QAM	1	24	15.25	15.28	15.35	16.60
5	256QAM	12	0	15.24	15.30	15.24	16.60
5	256QAM	12	7	15.29	15.27	15.27	16.60
5	256QAM	12	13	15.32	15.29	15.15	16.60
5	256QAM	25	0	15.29	15.40	15.18	16.60

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	15.27	15.31	15.23	16.60
20	QPSK	1	49	15.16	15.17	15.13	16.60
20	QPSK	1	99	15.20	15.18	15.20	16.60
20	QPSK	50	0	15.27	15.30	15.24	16.60
20	QPSK	50	24	15.20	15.23	15.22	16.60
20	QPSK	50	50	15.20	15.22	15.15	16.60
20	QPSK	100	0	15.24	15.28	15.17	16.60
20	16QAM	1	0	15.18	15.27	15.19	16.60
20	16QAM	1	49	15.15	15.19	15.15	16.60
20	16QAM	1	99	15.18	15.25	15.18	16.60
20	16QAM	50	0	15.26	15.27	15.14	16.60
20	16QAM	50	24	15.17	15.18	15.12	16.60
20	16QAM	50	50	15.23	15.29	15.15	16.60
20	16QAM	100	0	15.22	15.23	15.13	16.60
20	64QAM	1	0	15.22	15.22	15.15	16.60
20	64QAM	1	49	15.19	15.25	15.18	16.60
20	64QAM	1	99	15.16	15.26	15.19	16.60
20	64QAM	50	0	15.25	15.23	15.18	16.60
20	64QAM	50	24	15.20	15.18	15.18	16.60
20	64QAM	50	50	15.25	15.17	15.18	16.60
20	64QAM	100	0	15.17	15.19	15.15	16.60
20	256QAM	1	0	15.24	15.26	15.15	16.60
20	256QAM	1	49	15.15	15.26	15.22	16.60
20	256QAM	1	99	15.15	15.20	15.13	16.60
20	256QAM	50	0	15.16	15.21	15.22	16.60
20	256QAM	50	24	15.21	15.23	15.15	16.60
20	256QAM	50	50	15.21	15.28	15.19	16.60
20	256QAM	100	0	15.25	15.26	15.19	16.60
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	15.12	15.21	15.04	16.60
15	QPSK	1	37	15.12	15.09	14.98	16.60
15	QPSK	1	74	15.23	15.14	15.18	16.60
15	QPSK	36	0	15.16	15.19	15.10	16.60
15	QPSK	36	20	15.12	15.14	15.09	16.60
15	QPSK	36	39	15.13	15.10	15.09	16.60
15	QPSK	75	0	15.23	15.14	15.15	16.60
15	16QAM	1	0	15.10	15.22	15.07	16.60
15	16QAM	1	37	15.04	15.14	15.01	16.60
15	16QAM	1	74	15.12	15.22	15.14	16.60
15	16QAM	36	0	15.19	15.22	15.02	16.60
15	16QAM	36	20	15.13	15.14	15.05	16.60
15	16QAM	36	39	15.12	15.18	15.04	16.60
15	16QAM	75	0	15.09	15.17	15.01	16.60
15	64QAM	1	0	15.09	15.10	15.05	16.60
15	64QAM	1	37	15.15	15.24	15.09	16.60
15	64QAM	1	74	15.15	15.14	15.10	16.60



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15	64QAM	36	0	15.12	15.17	15.13	16.60
15	64QAM	36	20	15.07	15.05	15.16	16.60
15	64QAM	36	39	15.21	15.08	15.09	16.60
15	64QAM	75	0	15.03	15.15	15.05	16.60
15	256QAM	1	0	15.12	15.22	15.02	16.60
15	256QAM	1	37	15.10	15.20	15.21	16.60
15	256QAM	1	74	15.01	15.12	15.09	16.60
15	256QAM	36	0	15.07	15.07	15.13	16.60
15	256QAM	36	20	15.12	15.18	15.09	16.60
15	256QAM	36	39	15.07	15.19	15.10	16.60
15	256QAM	75	0	15.22	15.24	15.17	16.60
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	15.03	15.17	15.01	16.60
10	QPSK	1	25	15.04	15.16	15.03	16.60
10	QPSK	1	49	15.26	15.22	15.16	16.60
10	QPSK	25	0	15.10	15.18	15.02	16.60
10	QPSK	25	12	15.18	15.23	15.17	16.60
10	QPSK	25	25	15.20	15.16	15.09	16.60
10	QPSK	50	0	15.09	15.18	15.09	16.60
10	16QAM	1	0	15.09	15.21	15.09	16.60
10	16QAM	1	25	15.02	15.17	15.12	16.60
10	16QAM	1	49	15.17	15.16	15.13	16.60
10	16QAM	25	0	15.21	15.26	15.07	16.60
10	16QAM	25	12	15.11	15.11	15.06	16.60
10	16QAM	25	25	15.17	15.25	15.00	16.60
10	16QAM	50	0	15.20	15.13	15.03	16.60
10	64QAM	1	0	15.15	15.20	15.11	16.60
10	64QAM	1	25	15.15	15.16	15.04	16.60
10	64QAM	1	49	15.10	15.16	15.10	16.60
10	64QAM	25	0	15.16	15.21	15.14	16.60
10	64QAM	25	12	15.16	15.11	15.13	16.60
10	64QAM	25	25	15.17	15.15	15.10	16.60
10	64QAM	50	0	15.12	15.08	15.12	16.60
10	256QAM	1	0	15.22	15.24	15.05	16.60
10	256QAM	1	25	15.00	15.21	15.12	16.60
10	256QAM	1	49	15.14	15.05	15.00	16.60
10	256QAM	25	0	15.10	15.15	15.12	16.60
10	256QAM	25	12	15.17	15.11	15.07	16.60
10	256QAM	25	25	15.11	15.17	15.15	16.60
10	256QAM	50	0	15.13	15.23	15.05	16.60
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	15.16	15.18	15.02	16.60
5	QPSK	1	12	15.15	15.12	15.04	16.60
5	QPSK	1	24	15.17	15.23	15.18	16.60
5	QPSK	12	0	15.09	15.18	15.11	16.60
5	QPSK	12	7	15.23	15.17	15.09	16.60
5	QPSK	12	13	15.20	15.20	15.08	16.60
5	QPSK	25	0	15.21	15.24	15.04	16.60
5	16QAM	1	0	15.05	15.14	15.17	16.60
5	16QAM	1	12	15.08	15.15	15.07	16.60
5	16QAM	1	24	15.16	15.18	15.06	16.60
5	16QAM	12	0	15.22	15.17	15.00	16.60
5	16QAM	12	7	15.13	15.03	14.98	16.60
5	16QAM	12	13	15.18	15.23	15.04	16.60
5	16QAM	25	0	15.15	15.17	15.09	16.60
5	64QAM	1	0	15.08	15.17	15.05	16.60
5	64QAM	1	12	15.12	15.15	15.03	16.60
5	64QAM	1	24	15.03	15.20	15.10	16.60
5	64QAM	12	0	15.15	15.19	15.07	16.60
5	64QAM	12	7	15.11	15.05	15.12	16.60
5	64QAM	12	13	15.19	15.13	15.08	16.60
5	64QAM	25	0	15.13	15.16	15.12	16.60
5	256QAM	1	0	15.22	15.18	15.10	16.60
5	256QAM	1	12	15.10	15.24	15.08	16.60
5	256QAM	1	24	15.10	15.16	14.99	16.60
5	256QAM	12	0	15.10	15.07	15.07	16.60
5	256QAM	12	7	15.06	15.18	15.01	16.60
5	256QAM	12	13	15.08	15.26	15.08	16.60
5	256QAM	25	0	15.16	15.11	15.07	16.60

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_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				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.20	20.23	20.18	20.80
20	QPSK	1	49	19.85	20.01	19.88	20.80
20	QPSK	1	99	19.88	19.99	19.88	20.80
20	QPSK	50	0	20.01	20.08	20.07	20.80
20	QPSK	50	24	19.86	20.03	19.86	20.80
20	QPSK	50	50	19.89	20.05	19.90	20.80
20	QPSK	100	0	19.16	20.00	19.08	20.80
20	16QAM	1	0	19.93	20.01	19.84	20.80
20	16QAM	1	49	19.96	20.05	19.94	20.80
20	16QAM	1	99	19.93	20.06	19.99	20.80
20	16QAM	50	0	19.95	20.01	19.84	20.80
20	16QAM	50	24	20.02	20.11	20.00	20.80
20	16QAM	50	50	19.96	20.01	19.85	20.80
20	16QAM	100	0	19.93	20.09	19.94	20.80
20	64QAM	1	0	19.85	20.02	19.91	20.80
20	64QAM	1	49	19.94	19.98	19.91	20.80
20	64QAM	1	99	20.00	20.09	19.92	20.80
20	64QAM	50	0	19.05	19.10	19.01	20.00
20	64QAM	50	24	18.77	18.94	18.78	20.00
20	64QAM	50	50	18.92	19.01	18.86	20.00
20	64QAM	100	0	18.98	19.04	18.92	20.00
20	256QAM	1	0	17.03	17.07	16.90	18.00
20	256QAM	1	49	17.02	17.10	16.95	18.00
20	256QAM	1	99	16.93	17.09	17.02	18.00
20	256QAM	50	0	16.91	16.97	16.82	18.00
20	256QAM	50	24	16.88	16.99	16.93	18.00
20	256QAM	50	50	16.97	17.09	16.94	18.00
20	256QAM	100	0	16.94	17.11	17.01	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.08	20.14	20.06	20.80
15	QPSK	1	37	19.78	19.98	19.85	20.80
15	QPSK	1	74	19.83	19.89	19.84	20.80
15	QPSK	36	0	19.96	19.95	19.96	20.80
15	QPSK	36	20	19.77	20.00	19.82	20.80
15	QPSK	36	39	19.87	20.04	19.75	20.80
15	QPSK	75	0	19.07	19.87	19.02	20.80
15	16QAM	1	0	19.80	19.88	19.81	20.80
15	16QAM	1	37	19.84	19.99	19.87	20.80
15	16QAM	1	74	19.79	20.01	19.88	20.80
15	16QAM	36	0	19.91	19.94	19.74	20.80
15	16QAM	36	20	19.96	20.09	19.96	20.80
15	16QAM	36	39	19.93	19.86	19.78	20.80
15	16QAM	75	0	19.87	19.94	19.92	20.80
15	64QAM	1	0	19.79	19.95	19.81	20.80
15	64QAM	1	37	19.92	19.92	19.81	20.80
15	64QAM	1	74	19.92	19.98	19.84	20.80
15	64QAM	36	0	18.91	18.97	18.91	20.00
15	64QAM	36	20	18.74	18.80	18.66	20.00
15	64QAM	36	39	18.80	18.89	18.84	20.00
15	64QAM	75	0	18.90	19.01	18.80	20.00
15	256QAM	1	0	17.00	16.98	16.85	18.00
15	256QAM	1	37	17.01	17.06	16.86	18.00
15	256QAM	1	74	16.86	17.05	16.96	18.00
15	256QAM	36	0	16.81	16.96	16.69	18.00
15	256QAM	36	20	16.87	16.95	16.92	18.00
15	256QAM	36	39	16.94	17.02	16.89	18.00
15	256QAM	75	0	16.87	17.02	16.97	18.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	20.15	20.10	20.13	20.80
10	QPSK	1	25	19.74	19.97	19.83	20.80
10	QPSK	1	49	19.78	19.92	19.74	20.80
10	QPSK	25	0	19.90	19.95	20.03	20.80
10	QPSK	25	12	19.76	20.01	19.76	20.80
10	QPSK	25	25	19.79	20.03	19.88	20.80
10	QPSK	50	0	19.01	19.88	19.03	20.80
10	16QAM	1	0	19.79	19.93	19.83	20.80
10	16QAM	1	25	19.85	19.93	19.85	20.80
10	16QAM	1	49	19.87	19.92	19.87	20.80
10	16QAM	25	0	19.92	19.91	19.80	20.80
10	16QAM	25	12	19.93	20.08	19.91	20.80
10	16QAM	25	25	19.94	19.88	19.83	20.80



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10	16QAM	50	0	19.86	20.06	19.90	20.80
10	64QAM	1	0	19.76	19.94	19.77	20.80
10	64QAM	1	25	19.93	19.91	19.78	20.80
10	64QAM	1	49	19.91	20.04	19.80	20.80
10	64QAM	25	0	19.01	19.06	18.93	20.00
10	64QAM	25	12	18.75	18.82	18.63	20.00
10	64QAM	25	25	18.91	18.98	18.85	20.00
10	64QAM	50	0	18.91	18.92	18.87	20.00
10	256QAM	1	0	16.94	16.95	16.76	18.00
10	256QAM	1	25	16.91	17.00	16.88	18.00
10	256QAM	1	49	16.89	17.06	16.88	18.00
10	256QAM	25	0	16.76	16.94	16.77	18.00
10	256QAM	25	12	16.84	16.85	16.91	18.00
10	256QAM	25	25	16.89	17.02	16.85	18.00
10	256QAM	50	0	16.84	17.02	16.90	18.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	20.05	20.14	20.08	20.80
5	QPSK	1	12	19.78	19.88	19.74	20.80
5	QPSK	1	24	19.78	19.95	19.81	20.80
5	QPSK	12	0	19.96	19.98	19.93	20.80
5	QPSK	12	7	19.78	20.01	19.81	20.80
5	QPSK	12	13	19.86	19.97	19.84	20.80
5	QPSK	25	0	19.04	19.98	19.04	20.80
5	16QAM	1	0	19.85	19.91	19.73	20.80
5	16QAM	1	12	19.82	19.91	19.87	20.80
5	16QAM	1	24	19.91	19.91	19.84	20.80
5	16QAM	12	0	19.84	19.94	19.78	20.80
5	16QAM	12	7	19.93	20.01	19.87	20.80
5	16QAM	12	13	19.82	19.98	19.77	20.80
5	16QAM	25	0	19.85	19.94	19.87	20.80
5	64QAM	1	0	19.78	19.96	19.87	20.80
5	64QAM	1	12	19.80	19.91	19.79	20.80
5	64QAM	1	24	19.96	20.07	19.85	20.80
5	64QAM	12	0	18.96	18.98	18.89	20.00
5	64QAM	12	7	18.72	18.83	18.67	20.00
5	64QAM	12	13	18.86	18.93	18.74	20.00
5	64QAM	25	0	18.97	18.96	18.89	20.00
5	256QAM	1	0	16.89	17.01	16.85	18.00
5	256QAM	1	12	16.96	17.09	16.91	18.00
5	256QAM	1	24	16.79	17.03	16.95	18.00
5	256QAM	12	0	16.82	16.94	16.68	18.00
5	256QAM	12	7	16.74	16.92	16.85	18.00
5	256QAM	12	13	16.83	16.97	16.84	18.00
5	256QAM	25	0	16.88	16.98	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.04	20.19	20.09	20.80
20	QPSK	1	49	19.65	19.91	19.72	20.80
20	QPSK	1	99	19.81	20.08	19.90	20.80
20	QPSK	50	0	20.01	20.07	20.05	20.80
20	QPSK	50	24	19.65	19.93	19.79	20.80
20	QPSK	50	50	19.82	20.05	19.84	20.80
20	QPSK	100	0	20.00	20.05	19.96	20.80
20	16QAM	1	0	19.77	20.00	19.78	20.80
20	16QAM	1	49	19.67	19.88	19.76	20.80
20	16QAM	1	99	19.75	20.00	19.82	20.80
20	16QAM	50	0	19.79	20.05	19.91	20.80
20	16QAM	50	24	19.77	20.04	19.87	20.80
20	16QAM	50	50	19.76	19.95	19.82	20.80
20	16QAM	100	0	19.81	20.01	19.83	20.80
20	64QAM	1	0	19.67	19.94	19.76	20.80
20	64QAM	1	49	19.83	20.06	19.82	20.80
20	64QAM	1	99	19.65	19.93	19.77	20.80
20	64QAM	50	0	18.78	18.94	18.70	20.00
20	64QAM	50	24	18.87	19.08	18.85	20.00
20	64QAM	50	50	18.73	18.94	18.83	20.00
20	64QAM	100	0	18.86	19.02	18.80	20.00



FCC SAR Test Report

Report No. : FA5N1310

20	256QAM	1	0	16.77	16.91	16.76	18.00
20	256QAM	1	49	16.64	16.88	16.72	18.00
20	256QAM	1	99	16.75	16.93	16.73	18.00
20	256QAM	50	0	16.71	16.93	16.76	18.00
20	256QAM	50	24	16.74	16.99	16.76	18.00
20	256QAM	50	50	16.67	16.91	16.77	18.00
20	256QAM	100	0	16.73	16.96	16.82	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.00	20.06	19.96	20.80
15	QPSK	1	37	19.64	19.83	19.61	20.80
15	QPSK	1	74	19.76	20.05	19.76	20.80
15	QPSK	36	0	19.88	19.98	19.96	20.80
15	QPSK	36	20	19.53	19.78	19.71	20.80
15	QPSK	36	39	19.67	19.95	19.73	20.80
15	QPSK	75	0	19.96	19.98	19.86	20.80
15	16QAM	1	0	19.68	19.96	19.75	20.80
15	16QAM	1	37	19.58	19.81	19.70	20.80
15	16QAM	1	74	19.67	19.98	19.81	20.80
15	16QAM	36	0	19.73	19.91	19.78	20.80
15	16QAM	36	20	19.75	20.02	19.75	20.80
15	16QAM	36	39	19.62	19.92	19.71	20.80
15	16QAM	75	0	19.72	19.92	19.70	20.80
15	64QAM	1	0	19.66	19.83	19.64	20.80
15	64QAM	1	37	19.75	19.93	19.73	20.80
15	64QAM	1	74	19.52	19.86	19.67	20.80
15	64QAM	36	0	18.67	18.85	18.57	20.00
15	64QAM	36	20	18.80	18.96	18.82	20.00
15	64QAM	36	39	18.59	18.87	18.73	20.00
15	64QAM	75	0	18.80	18.92	18.75	20.00
15	256QAM	1	0	16.66	16.81	16.74	18.00
15	256QAM	1	37	16.57	16.83	16.68	18.00
15	256QAM	1	74	16.72	16.82	16.67	18.00
15	256QAM	36	0	16.68	16.89	16.73	18.00
15	256QAM	36	20	16.64	16.94	16.70	18.00
15	256QAM	36	39	16.61	16.87	16.72	18.00
15	256QAM	75	0	16.61	16.90	16.80	18.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	19.91	20.12	20.01	20.80
10	QPSK	1	25	19.55	19.79	19.67	20.80
10	QPSK	1	49	19.74	19.99	19.79	20.80
10	QPSK	25	0	19.88	19.98	19.92	20.80
10	QPSK	25	12	19.51	19.88	19.71	20.80
10	QPSK	25	25	19.73	20.01	19.80	20.80
10	QPSK	50	0	19.97	20.00	19.91	20.80
10	16QAM	1	0	19.68	19.94	19.69	20.80
10	16QAM	1	25	19.62	19.77	19.74	20.80
10	16QAM	1	49	19.71	19.90	19.79	20.80
10	16QAM	25	0	19.74	19.94	19.87	20.80
10	16QAM	25	12	19.69	19.95	19.83	20.80
10	16QAM	25	25	19.62	19.80	19.77	20.80
10	16QAM	50	0	19.68	19.94	19.74	20.80
10	64QAM	1	0	19.65	19.87	19.73	20.80
10	64QAM	1	25	19.80	19.94	19.72	20.80
10	64QAM	1	49	19.50	19.87	19.65	20.80
10	64QAM	25	0	18.68	18.90	18.57	20.00
10	64QAM	25	12	18.74	19.04	18.71	20.00
10	64QAM	25	25	18.72	18.88	18.70	20.00
10	64QAM	50	0	18.84	18.91	18.75	20.00
10	256QAM	1	0	16.74	16.77	16.73	18.00
10	256QAM	1	25	16.58	16.75	16.65	18.00
10	256QAM	1	49	16.67	16.89	16.71	18.00
10	256QAM	25	0	16.63	16.91	16.74	18.00
10	256QAM	25	12	16.71	16.95	16.62	18.00
10	256QAM	25	25	16.56	16.86	16.64	18.00
10	256QAM	50	0	16.64	16.82	16.70	18.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	19.91	20.10	19.95	20.80
5	QPSK	1	12	19.54	19.90	19.70	20.80
5	QPSK	1	24	19.71	20.02	19.88	20.80
5	QPSK	12	0	20.00	20.00	19.93	20.80
5	QPSK	12	7	19.60	19.91	19.65	20.80
5	QPSK	12	13	19.68	19.93	19.82	20.80
5	QPSK	25	0	19.93	19.97	19.84	20.80
5	16QAM	1	0	19.70	19.98	19.67	20.80
5	16QAM	1	12	19.59	19.83	19.62	20.80



5	16QAM	1	24	19.67	19.93	19.79	20.80
5	16QAM	12	0	19.66	19.98	19.88	20.80
5	16QAM	12	7	19.69	19.98	19.85	20.80
5	16QAM	12	13	19.68	19.88	19.68	20.80
5	16QAM	25	0	19.68	19.98	19.77	20.80
5	64QAM	1	0	19.56	19.80	19.67	20.80
5	64QAM	1	12	19.73	19.94	19.79	20.80
5	64QAM	1	24	19.63	19.90	19.68	20.80
5	64QAM	12	0	18.63	18.82	18.57	20.00
5	64QAM	12	7	18.80	19.05	18.79	20.00
5	64QAM	12	13	18.67	18.81	18.72	20.00
5	64QAM	25	0	18.79	18.97	18.70	20.00
5	256QAM	1	0	16.66	16.79	16.63	18.00
5	256QAM	1	12	16.59	16.79	16.62	18.00
5	256QAM	1	24	16.61	16.92	16.59	18.00
5	256QAM	12	0	16.68	16.87	16.71	18.00
5	256QAM	12	7	16.70	16.92	16.66	18.00
5	256QAM	12	13	16.57	16.87	16.63	18.00
5	256QAM	25	0	16.61	16.85	16.79	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	Tune-up limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.01	22.03	21.97	23.00
20	QPSK	1	49	21.92	22.00	21.87	23.00
20	QPSK	1	99	21.81	21.97	21.87	23.00
20	QPSK	50	0	21.16	21.24	21.11	22.00
20	QPSK	50	24	21.10	21.19	21.03	22.00
20	QPSK	50	50	21.01	21.05	20.90	22.00
20	QPSK	100	0	21.06	21.20	21.05	22.00
20	16QAM	1	0	21.02	21.19	21.11	22.00
20	16QAM	1	49	21.15	21.24	21.14	22.00
20	16QAM	1	99	21.08	21.22	21.07	22.00
20	16QAM	50	0	20.04	20.19	20.06	21.00
20	16QAM	50	24	19.93	20.08	19.93	21.00
20	16QAM	50	50	20.02	20.05	19.88	21.00
20	16QAM	100	0	19.99	20.11	20.03	21.00
20	64QAM	1	0	19.98	20.14	19.97	21.00
20	64QAM	1	49	19.99	20.07	19.95	21.00
20	64QAM	1	99	20.07	20.18	19.98	21.00
20	64QAM	50	0	18.88	19.04	18.89	20.00
20	64QAM	50	24	19.08	19.22	19.15	20.00
20	64QAM	50	50	18.98	19.06	18.98	20.00
20	64QAM	100	0	19.03	19.09	18.96	20.00
20	256QAM	1	0	17.01	17.12	16.94	18.00
20	256QAM	1	49	16.98	17.08	16.99	18.00
20	256QAM	1	99	16.95	17.05	16.97	18.00
20	256QAM	50	0	17.01	17.08	16.91	18.00
20	256QAM	50	24	17.13	17.22	17.03	18.00
20	256QAM	50	50	17.12	17.21	17.14	18.00
20	256QAM	100	0	17.06	17.13	16.98	18.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.94	21.96	21.83	23.00
15	QPSK	1	37	21.79	21.97	21.78	23.00
15	QPSK	1	74	21.71	21.84	21.73	23.00
15	QPSK	36	0	21.11	21.23	21.05	22.00
15	QPSK	36	20	20.95	21.17	20.92	22.00
15	QPSK	36	39	20.94	20.98	20.76	22.00
15	QPSK	75	0	20.96	21.11	20.99	22.00
15	16QAM	1	0	20.96	21.08	21.04	22.00
15	16QAM	1	37	21.01	21.09	21.02	22.00
15	16QAM	1	74	20.94	21.08	20.93	22.00
15	16QAM	36	0	19.92	20.08	20.00	21.00
15	16QAM	36	20	19.78	19.94	19.87	21.00
15	16QAM	36	39	19.94	19.97	19.74	21.00
15	16QAM	75	0	19.91	20.10	19.93	21.00
15	64QAM	1	0	19.92	20.12	19.95	21.00
15	64QAM	1	37	19.86	20.00	19.88	21.00
15	64QAM	1	74	19.94	20.14	19.95	21.00



15	64QAM	36	0	18.82	18.99	18.85	20.00
15	64QAM	36	20	19.03	19.21	19.06	20.00
15	64QAM	36	39	18.89	19.04	18.84	20.00
15	64QAM	75	0	18.91	19.02	18.94	20.00
15	256QAM	1	0	16.86	16.98	16.81	18.00
15	256QAM	1	37	16.85	16.94	16.98	18.00
15	256QAM	1	74	16.93	17.01	16.91	18.00
15	256QAM	36	0	16.89	17.03	16.87	18.00
15	256QAM	36	20	17.11	17.08	16.99	18.00
15	256QAM	36	39	17.11	17.14	17.02	18.00
15	256QAM	75	0	17.02	17.06	16.93	18.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	21.95	21.97	21.93	23.00
10	QPSK	1	25	21.79	21.90	21.78	23.00
10	QPSK	1	49	21.66	21.92	21.81	23.00
10	QPSK	25	0	21.08	21.11	20.98	22.00
10	QPSK	25	12	20.99	21.16	20.93	22.00
10	QPSK	25	25	20.94	21.02	20.76	22.00
10	QPSK	50	0	21.01	21.11	20.97	22.00
10	16QAM	1	0	20.99	21.07	21.07	22.00
10	16QAM	1	25	21.06	21.12	21.09	22.00
10	16QAM	1	49	20.94	21.12	21.06	22.00
10	16QAM	25	0	19.95	20.10	19.98	21.00
10	16QAM	25	12	19.82	19.95	19.82	21.00
10	16QAM	25	25	19.98	19.98	19.81	21.00
10	16QAM	50	0	19.97	19.97	19.96	21.00
10	64QAM	1	0	19.87	20.10	19.94	21.00
10	64QAM	1	25	19.95	19.95	19.86	21.00
10	64QAM	1	49	19.96	20.14	19.96	21.00
10	64QAM	25	0	18.74	18.90	18.83	20.00
10	64QAM	25	12	18.99	19.16	19.07	20.00
10	64QAM	25	25	18.85	19.04	18.90	20.00
10	64QAM	50	0	18.89	19.01	18.90	20.00
10	256QAM	1	0	16.88	16.99	16.90	18.00
10	256QAM	1	25	16.90	16.99	16.86	18.00
10	256QAM	1	49	16.82	17.03	16.88	18.00
10	256QAM	25	0	16.99	16.97	16.88	18.00
10	256QAM	25	12	17.04	17.19	16.92	18.00
10	256QAM	25	25	17.04	17.14	17.03	18.00
10	256QAM	50	0	16.98	17.07	16.88	18.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	21.90	21.89	21.90	23.00
5	QPSK	1	12	21.79	21.93	21.78	23.00
5	QPSK	1	24	21.72	21.91	21.85	23.00
5	QPSK	12	0	21.08	21.21	21.06	22.00
5	QPSK	12	7	21.06	21.04	21.01	22.00
5	QPSK	12	13	20.86	20.98	20.84	22.00
5	QPSK	25	0	21.04	21.11	20.96	22.00
5	16QAM	1	0	20.96	21.18	21.00	22.00
5	16QAM	1	12	21.07	21.11	21.02	22.00
5	16QAM	1	24	21.04	21.13	21.01	22.00
5	16QAM	12	0	19.93	20.18	19.93	21.00
5	16QAM	12	7	19.92	19.94	19.89	21.00
5	16QAM	12	13	19.92	19.92	19.82	21.00
5	16QAM	25	0	19.93	19.97	19.96	21.00
5	64QAM	1	0	19.93	20.07	19.82	21.00
5	64QAM	1	12	19.95	20.01	19.85	21.00
5	64QAM	1	24	20.05	20.06	19.93	21.00
5	64QAM	12	0	18.77	19.03	18.74	20.00
5	64QAM	12	7	19.06	19.16	19.10	20.00
5	64QAM	12	13	18.92	19.04	18.92	20.00
5	64QAM	25	0	18.88	19.03	18.89	20.00
5	256QAM	1	0	16.97	17.08	16.85	18.00
5	256QAM	1	12	16.87	16.97	16.93	18.00
5	256QAM	1	24	16.87	16.96	16.90	18.00
5	256QAM	12	0	16.92	16.95	16.83	18.00
5	256QAM	12	7	17.11	17.13	16.88	18.00
5	256QAM	12	13	17.05	17.13	17.08	18.00
5	256QAM	25	0	17.00	17.08	16.89	18.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 6_DSI 4】



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.92	21.99	21.96	23.00
20	QPSK	1	49	21.80	21.90	21.73	23.00
20	QPSK	1	99	21.73	21.92	21.78	23.00
20	QPSK	50	0	21.03	21.16	20.98	22.00
20	QPSK	50	24	20.93	21.07	20.93	22.00
20	QPSK	50	50	20.85	21.05	20.97	22.00
20	QPSK	100	0	20.81	20.97	20.84	22.00
20	16QAM	1	0	20.96	21.15	21.10	22.00
20	16QAM	1	49	21.01	21.12	21.07	22.00
20	16QAM	1	99	20.98	21.06	21.00	22.00
20	16QAM	50	0	19.93	20.09	19.98	21.00
20	16QAM	50	24	20.09	20.18	20.04	21.00
20	16QAM	50	50	19.83	20.04	19.96	21.00
20	16QAM	100	0	19.93	20.13	20.09	21.00
20	64QAM	1	0	20.03	20.12	20.04	21.00
20	64QAM	1	49	19.92	20.06	19.96	21.00
20	64QAM	1	99	20.03	20.15	20.00	21.00
20	64QAM	50	0	18.92	19.12	18.98	20.00
20	64QAM	50	24	19.00	19.15	18.99	20.00
20	64QAM	50	50	19.01	19.15	19.03	20.00
20	64QAM	100	0	19.02	19.12	19.03	20.00
20	256QAM	1	0	17.05	17.20	17.13	18.00
20	256QAM	1	49	16.82	16.99	16.85	18.00
20	256QAM	1	99	17.02	17.11	17.07	18.00
20	256QAM	50	0	16.80	16.99	16.84	18.00
20	256QAM	50	24	16.86	16.99	16.82	18.00
20	256QAM	50	50	16.81	17.01	16.91	18.00
20	256QAM	100	0	16.99	17.07	16.98	18.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.80	21.95	21.85	23.00
15	QPSK	1	37	21.67	21.85	21.71	23.00
15	QPSK	1	74	21.60	21.78	21.74	23.00
15	QPSK	36	0	20.88	21.12	20.86	22.00
15	QPSK	36	20	20.79	20.96	20.91	22.00
15	QPSK	36	39	20.78	20.98	20.85	22.00
15	QPSK	75	0	20.79	20.90	20.69	22.00
15	16QAM	1	0	20.83	21.04	20.99	22.00
15	16QAM	1	37	20.97	21.07	20.97	22.00
15	16QAM	1	74	20.87	20.91	20.94	22.00
15	16QAM	36	0	19.85	20.05	19.89	21.00
15	16QAM	36	20	19.99	20.15	19.94	21.00
15	16QAM	36	39	19.72	19.93	19.87	21.00
15	16QAM	75	0	19.85	20.11	20.01	21.00
15	64QAM	1	0	19.89	20.05	19.99	21.00
15	64QAM	1	37	19.84	19.95	19.93	21.00
15	64QAM	1	74	19.88	20.05	19.88	21.00
15	64QAM	36	0	18.87	19.06	18.87	20.00
15	64QAM	36	20	18.90	19.14	18.85	20.00
15	64QAM	36	39	18.93	19.09	18.96	20.00
15	64QAM	75	0	18.90	19.07	18.99	20.00
15	256QAM	1	0	17.01	17.10	17.12	18.00
15	256QAM	1	37	16.73	16.90	16.71	18.00
15	256QAM	1	74	16.92	16.99	16.96	18.00
15	256QAM	36	0	16.72	16.92	16.72	18.00
15	256QAM	36	20	16.78	16.95	16.70	18.00
15	256QAM	36	39	16.71	16.91	16.89	18.00
15	256QAM	75	0	16.94	17.06	16.93	18.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.84	21.98	21.92	23.00
10	QPSK	1	25	21.70	21.86	21.60	23.00
10	QPSK	1	49	21.67	21.78	21.77	23.00
10	QPSK	25	0	20.89	21.13	20.94	22.00
10	QPSK	25	12	20.91	21.05	20.87	22.00
10	QPSK	25	25	20.76	20.93	20.91	22.00
10	QPSK	50	0	20.77	20.89	20.69	22.00
10	16QAM	1	0	20.91	21.01	21.04	22.00
10	16QAM	1	25	21.00	21.07	20.99	22.00
10	16QAM	1	49	20.87	21.05	20.96	22.00
10	16QAM	25	0	19.84	19.97	19.86	21.00
10	16QAM	25	12	20.06	20.08	19.94	21.00
10	16QAM	25	25	19.73	19.99	19.92	21.00



10	16QAM	50	0	19.78	20.11	20.04	21.00
10	64QAM	1	0	19.99	20.06	19.90	21.00
10	64QAM	1	25	19.87	19.91	19.84	21.00
10	64QAM	1	49	19.92	20.11	19.96	21.00
10	64QAM	25	0	18.79	19.05	18.86	20.00
10	64QAM	25	12	18.95	19.01	18.87	20.00
10	64QAM	25	25	18.88	19.02	18.92	20.00
10	64QAM	50	0	18.96	19.07	19.01	20.00
10	256QAM	1	0	16.91	17.18	17.03	18.00
10	256QAM	1	25	16.70	16.91	16.75	18.00
10	256QAM	1	49	16.95	17.00	17.05	18.00
10	256QAM	25	0	16.74	16.89	16.76	18.00
10	256QAM	25	12	16.83	16.86	16.79	18.00
10	256QAM	25	25	16.71	16.91	16.78	18.00
10	256QAM	50	0	16.96	17.00	16.92	18.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.85	21.84	21.92	23.00
5	QPSK	1	12	21.75	21.83	21.64	23.00
5	QPSK	1	24	21.60	21.80	21.67	23.00
5	QPSK	12	0	20.96	21.09	20.94	22.00
5	QPSK	12	7	20.82	21.02	20.85	22.00
5	QPSK	12	13	20.84	20.97	20.86	22.00
5	QPSK	25	0	20.66	20.92	20.82	22.00
5	16QAM	1	0	20.93	21.11	20.99	22.00
5	16QAM	1	12	20.98	21.08	20.96	22.00
5	16QAM	1	24	20.93	21.05	20.88	22.00
5	16QAM	12	0	19.81	20.06	19.85	21.00
5	16QAM	12	7	20.07	20.04	19.97	21.00
5	16QAM	12	13	19.76	19.94	19.95	21.00
5	16QAM	25	0	19.84	20.10	20.00	21.00
5	64QAM	1	0	19.90	20.07	19.89	21.00
5	64QAM	1	12	19.91	19.92	19.87	21.00
5	64QAM	1	24	19.98	20.06	19.94	21.00
5	64QAM	12	0	18.89	19.07	18.88	20.00
5	64QAM	12	7	18.91	19.03	18.92	20.00
5	64QAM	12	13	18.98	19.10	18.98	20.00
5	64QAM	25	0	18.98	19.10	18.95	20.00
5	256QAM	1	0	17.04	17.14	17.07	18.00
5	256QAM	1	12	16.79	16.91	16.75	18.00
5	256QAM	1	24	16.89	17.06	16.94	18.00
5	256QAM	12	0	16.78	16.94	16.82	18.00
5	256QAM	12	7	16.80	16.92	16.80	18.00
5	256QAM	12	13	16.70	16.94	16.77	18.00
5	256QAM	25	0	16.88	17.04	16.97	18.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.11	23.25	23.17	24.00
20	QPSK	1	49	22.84	23.00	22.79	24.00
20	QPSK	1	99	22.74	22.93	22.76	24.00
20	QPSK	50	0	22.15	22.19	22.11	23.00
20	QPSK	50	24	21.77	22.04	21.86	23.00
20	QPSK	50	50	21.88	22.04	21.82	23.00
20	QPSK	100	0	21.91	22.14	21.92	23.00
20	16QAM	1	0	21.88	22.10	21.88	23.00
20	16QAM	1	49	21.94	22.15	22.05	23.00
20	16QAM	1	99	21.80	22.08	21.91	23.00
20	16QAM	50	0	20.86	21.08	20.98	22.00
20	16QAM	50	24	20.96	21.10	20.93	22.00
20	16QAM	50	50	20.97	21.13	20.92	22.00
20	16QAM	100	0	21.04	21.21	21.10	22.00
20	64QAM	1	0	20.91	21.08	20.99	22.00
20	64QAM	1	49	20.90	21.06	20.87	22.00
20	64QAM	1	99	20.88	21.10	20.98	22.00
20	64QAM	50	0	19.86	20.12	19.98	21.00
20	64QAM	50	24	19.99	20.13	20.02	21.00
20	64QAM	50	50	19.90	20.06	19.95	21.00
20	64QAM	100	0	19.98	20.13	19.98	21.00



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20	256QAM	1	0	17.95	18.16	18.08	19.00
20	256QAM	1	49	18.01	18.20	18.09	19.00
20	256QAM	1	99	17.93	18.07	17.86	19.00
20	256QAM	50	0	17.98	18.19	18.08	19.00
20	256QAM	50	24	18.02	18.17	18.06	19.00
20	256QAM	50	50	18.01	18.26	18.17	19.00
20	256QAM	100	0	17.88	18.04	17.84	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.09	23.22	23.09	24.00
15	QPSK	1	37	22.82	22.90	22.71	24.00
15	QPSK	1	74	22.59	22.84	22.70	24.00
15	QPSK	36	0	22.04	22.07	22.04	23.00
15	QPSK	36	20	21.69	21.95	21.81	23.00
15	QPSK	36	39	21.78	21.98	21.70	23.00
15	QPSK	75	0	21.81	22.03	21.88	23.00
15	16QAM	1	0	21.77	22.06	21.74	23.00
15	16QAM	1	37	21.84	22.02	22.02	23.00
15	16QAM	1	74	21.65	22.01	21.77	23.00
15	16QAM	36	0	20.83	21.02	20.85	22.00
15	16QAM	36	20	20.91	21.06	20.83	22.00
15	16QAM	36	39	20.84	21.02	20.88	22.00
15	16QAM	75	0	21.01	21.13	21.00	22.00
15	64QAM	1	0	20.83	21.06	20.96	22.00
15	64QAM	1	37	20.78	21.00	20.78	22.00
15	64QAM	1	74	20.84	20.97	20.93	22.00
15	64QAM	36	0	19.77	20.01	19.96	21.00
15	64QAM	36	20	19.94	20.11	19.89	21.00
15	64QAM	36	39	19.78	19.98	19.87	21.00
15	64QAM	75	0	19.91	20.01	19.84	21.00
15	256QAM	1	0	17.88	18.12	17.94	19.00
15	256QAM	1	37	17.96	18.17	17.99	19.00
15	256QAM	1	74	17.82	17.96	17.75	19.00
15	256QAM	36	0	17.89	18.10	18.03	19.00
15	256QAM	36	20	17.92	18.05	18.03	19.00
15	256QAM	36	39	17.99	18.14	18.02	19.00
15	256QAM	75	0	17.75	17.98	17.78	19.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	22.97	23.17	23.12	24.00
10	QPSK	1	25	22.72	22.98	22.64	24.00
10	QPSK	1	49	22.65	22.88	22.73	24.00
10	QPSK	25	0	22.12	22.14	21.99	23.00
10	QPSK	25	12	21.66	22.00	21.75	23.00
10	QPSK	25	25	21.82	21.97	21.70	23.00
10	QPSK	50	0	21.87	22.09	21.86	23.00
10	16QAM	1	0	21.83	22.07	21.76	23.00
10	16QAM	1	25	21.89	22.03	22.01	23.00
10	16QAM	1	49	21.74	22.05	21.85	23.00
10	16QAM	25	0	20.77	20.93	20.89	22.00
10	16QAM	25	12	20.92	20.98	20.79	22.00
10	16QAM	25	25	20.83	20.99	20.84	22.00
10	16QAM	50	0	20.99	21.13	21.06	22.00
10	64QAM	1	0	20.76	21.07	20.94	22.00
10	64QAM	1	25	20.86	20.98	20.85	22.00
10	64QAM	1	49	20.78	20.99	20.91	22.00
10	64QAM	25	0	19.72	20.11	19.84	21.00
10	64QAM	25	12	19.89	20.07	19.93	21.00
10	64QAM	25	25	19.79	19.97	19.92	21.00
10	64QAM	50	0	19.90	20.07	19.84	21.00
10	256QAM	1	0	17.88	18.14	17.96	19.00
10	256QAM	1	25	17.87	18.18	17.94	19.00
10	256QAM	1	49	17.87	17.98	17.81	19.00
10	256QAM	25	0	17.90	18.16	18.05	19.00
10	256QAM	25	12	17.97	18.05	17.93	19.00
10	256QAM	25	25	17.96	18.18	18.08	19.00
10	256QAM	50	0	17.86	18.03	17.82	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.04	23.16	23.06	24.00
5	QPSK	1	12	22.80	22.86	22.71	24.00
5	QPSK	1	24	22.61	22.85	22.71	24.00
5	QPSK	12	0	22.03	22.06	22.00	23.00
5	QPSK	12	7	21.69	21.91	21.81	23.00
5	QPSK	12	13	21.87	21.92	21.77	23.00
5	QPSK	25	0	21.83	22.12	21.89	23.00
5	16QAM	1	0	21.80	22.08	21.75	23.00
5	16QAM	1	12	21.90	22.11	21.90	23.00



5	16QAM	1	24	21.72	22.05	21.78	23.00
5	16QAM	12	0	20.76	20.95	20.86	22.00
5	16QAM	12	7	20.87	21.00	20.82	22.00
5	16QAM	12	13	20.90	21.11	20.83	22.00
5	16QAM	25	0	20.94	21.20	21.07	22.00
5	64QAM	1	0	20.76	20.95	20.90	22.00
5	64QAM	1	12	20.88	21.01	20.80	22.00
5	64QAM	1	24	20.74	20.95	20.94	22.00
5	64QAM	12	0	19.73	20.01	19.94	21.00
5	64QAM	12	7	19.91	20.01	19.91	21.00
5	64QAM	12	13	19.87	20.01	19.80	21.00
5	64QAM	25	0	19.87	20.02	19.83	21.00
5	256QAM	1	0	17.90	18.03	18.06	19.00
5	256QAM	1	12	17.97	18.15	17.96	19.00
5	256QAM	1	24	17.85	17.99	17.76	19.00
5	256QAM	12	0	17.85	18.11	18.03	19.00
5	256QAM	12	7	17.88	18.03	17.93	19.00
5	256QAM	12	13	17.91	18.24	18.08	19.00
5	256QAM	25	0	17.73	17.92	17.73	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	23.11	23.15	23.05	24.00
20	QPSK	1	49	22.83	22.98	22.82	24.00
20	QPSK	1	99	22.75	22.84	22.63	24.00
20	QPSK	50	0	22.16	22.19	22.11	23.00
20	QPSK	50	24	21.95	22.09	21.89	23.00
20	QPSK	50	50	22.03	22.12	21.98	23.00
20	QPSK	100	0	22.07	22.14	21.97	23.00
20	16QAM	1	0	21.90	22.08	21.95	23.00
20	16QAM	1	49	21.85	21.98	21.82	23.00
20	16QAM	1	99	21.94	22.10	21.90	23.00
20	16QAM	50	0	21.06	21.14	21.03	22.00
20	16QAM	50	24	20.94	21.02	20.78	22.00
20	16QAM	50	50	21.02	21.09	20.85	22.00
20	16QAM	100	0	20.84	20.95	20.76	22.00
20	64QAM	1	0	21.00	21.12	20.90	22.00
20	64QAM	1	49	20.93	21.04	20.86	22.00
20	64QAM	1	99	20.91	21.06	20.94	22.00
20	64QAM	50	0	20.01	20.09	19.96	21.00
20	64QAM	50	24	20.05	20.11	19.96	21.00
20	64QAM	50	50	19.93	20.05	19.88	21.00
20	64QAM	100	0	20.03	20.12	19.89	21.00
20	256QAM	1	0	17.83	17.97	17.84	19.00
20	256QAM	1	49	17.83	17.95	17.81	19.00
20	256QAM	1	99	17.99	18.06	17.97	19.00
20	256QAM	50	0	17.87	17.95	17.83	19.00
20	256QAM	50	24	18.00	18.12	18.00	19.00
20	256QAM	50	50	17.98	18.13	17.98	19.00
20	256QAM	100	0	17.85	17.94	17.78	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	23.05	23.07	22.93	24.00
15	QPSK	1	37	22.80	22.91	22.70	24.00
15	QPSK	1	74	22.67	22.80	22.50	24.00
15	QPSK	36	0	22.05	22.07	22.00	23.00
15	QPSK	36	20	21.88	21.97	21.86	23.00
15	QPSK	36	39	21.92	22.09	21.95	23.00
15	QPSK	75	0	22.05	22.06	21.88	23.00
15	16QAM	1	0	21.85	21.93	21.85	23.00
15	16QAM	1	37	21.75	21.90	21.68	23.00
15	16QAM	1	74	21.82	21.97	21.88	23.00
15	16QAM	36	0	21.02	21.09	20.99	22.00
15	16QAM	36	20	20.84	20.89	20.65	22.00
15	16QAM	36	39	20.99	21.01	20.72	22.00
15	16QAM	75	0	20.70	20.85	20.62	22.00
15	64QAM	1	0	20.95	21.03	20.82	22.00
15	64QAM	1	37	20.89	20.93	20.80	22.00
15	64QAM	1	74	20.85	20.96	20.81	22.00



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15	64QAM	36	0	19.99	20.02	19.86	21.00
15	64QAM	36	20	20.00	20.05	19.82	21.00
15	64QAM	36	39	19.85	19.96	19.86	21.00
15	64QAM	75	0	19.95	20.02	19.82	21.00
15	256QAM	1	0	17.73	17.94	17.79	19.00
15	256QAM	1	37	17.68	17.85	17.71	19.00
15	256QAM	1	74	17.89	17.99	17.87	19.00
15	256QAM	36	0	17.85	17.81	17.82	19.00
15	256QAM	36	20	17.97	18.03	17.98	19.00
15	256QAM	36	39	17.92	18.11	17.92	19.00
15	256QAM	75	0	17.73	17.81	17.73	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	23.00	23.04	22.92	24.00
10	QPSK	1	25	22.75	22.94	22.78	24.00
10	QPSK	1	49	22.72	22.73	22.51	24.00
10	QPSK	25	0	22.08	22.11	22.05	23.00
10	QPSK	25	12	21.93	22.03	21.75	23.00
10	QPSK	25	25	21.97	22.07	21.89	23.00
10	QPSK	50	0	21.98	22.01	21.94	23.00
10	16QAM	1	0	21.81	22.05	21.85	23.00
10	16QAM	1	25	21.75	21.88	21.77	23.00
10	16QAM	1	49	21.92	21.96	21.87	23.00
10	16QAM	25	0	20.94	21.09	20.91	22.00
10	16QAM	25	12	20.92	20.94	20.75	22.00
10	16QAM	25	25	20.91	21.03	20.70	22.00
10	16QAM	50	0	20.74	20.80	20.67	22.00
10	64QAM	1	0	20.97	21.03	20.78	22.00
10	64QAM	1	25	20.90	20.92	20.76	22.00
10	64QAM	1	49	20.77	20.98	20.88	22.00
10	64QAM	25	0	19.97	20.05	19.86	21.00
10	64QAM	25	12	20.00	20.08	19.86	21.00
10	64QAM	25	25	19.89	19.91	19.76	21.00
10	64QAM	50	0	19.88	20.09	19.77	21.00
10	256QAM	1	0	17.72	17.91	17.83	19.00
10	256QAM	1	25	17.74	17.88	17.68	19.00
10	256QAM	1	49	17.93	17.96	17.94	19.00
10	256QAM	25	0	17.83	17.89	17.73	19.00
10	256QAM	25	12	17.86	17.99	17.96	19.00
10	256QAM	25	25	17.96	18.06	17.96	19.00
10	256QAM	50	0	17.75	17.86	17.68	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	23.05	23.13	22.91	24.00
5	QPSK	1	12	22.81	22.90	22.75	24.00
5	QPSK	1	24	22.61	22.78	22.58	24.00
5	QPSK	12	0	22.09	22.11	22.00	23.00
5	QPSK	12	7	21.83	21.96	21.87	23.00
5	QPSK	12	13	21.97	22.03	21.89	23.00
5	QPSK	25	0	22.06	22.11	21.92	23.00
5	16QAM	1	0	21.84	21.94	21.94	23.00
5	16QAM	1	12	21.76	21.97	21.70	23.00
5	16QAM	1	24	21.79	21.99	21.75	23.00
5	16QAM	12	0	20.95	21.05	21.02	22.00
5	16QAM	12	7	20.88	20.88	20.74	22.00
5	16QAM	12	13	20.89	20.98	20.79	22.00
5	16QAM	25	0	20.79	20.84	20.66	22.00
5	64QAM	1	0	20.90	21.05	20.77	22.00
5	64QAM	1	12	20.91	21.03	20.75	22.00
5	64QAM	1	24	20.85	20.93	20.80	22.00
5	64QAM	12	0	19.99	19.99	19.91	21.00
5	64QAM	12	7	20.00	19.98	19.91	21.00
5	64QAM	12	13	19.86	20.00	19.80	21.00
5	64QAM	25	0	19.99	20.08	19.80	21.00
5	256QAM	1	0	17.80	17.90	17.83	19.00
5	256QAM	1	12	17.81	17.81	17.71	19.00
5	256QAM	1	24	17.90	17.92	17.91	19.00
5	256QAM	12	0	17.80	17.83	17.77	19.00
5	256QAM	12	7	17.93	18.01	17.93	19.00
5	256QAM	12	13	17.95	18.07	17.92	19.00
5	256QAM	25	0	17.74	17.82	17.67	19.00



<LTE Band 42 (27Q) 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				42190	42590	42990	Tune-up Limit (dBm)	
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.11	22.25	22.17	23.00	
20		1	49	21.84	22.00	21.79	23.00	
20		1	99	21.74	21.93	21.76	23.00	
20		50	0	22.15	22.19	22.11	23.00	
20		50	24	21.77	22.04	21.86	23.00	
20		50	50	21.88	22.04	21.82	23.00	
20	16QAM	100	0	21.91	22.14	21.92	23.00	
20		1	0	21.88	22.10	21.88	23.00	
20		1	49	21.94	22.15	22.05	23.00	
20		1	99	21.80	22.08	21.91	23.00	
20		50	0	20.86	21.08	20.98	22.00	
20		50	24	20.96	21.10	20.93	22.00	
20	64QAM	50	50	20.97	21.13	20.92	22.00	
20		100	0	21.04	21.21	21.10	22.00	
20		1	0	20.91	21.08	20.99	22.00	
20		1	49	20.90	21.06	20.87	22.00	
20		1	99	20.88	21.10	20.98	22.00	
20		50	0	19.86	20.12	19.98	21.00	
20	256QAM	50	24	19.99	20.13	20.02	21.00	
20		50	50	19.90	20.06	19.95	21.00	
20		100	0	19.98	20.13	19.98	21.00	
20		1	0	17.95	18.16	18.08	19.00	
20		1	49	18.01	18.20	18.09	19.00	
20		1	99	17.93	18.07	17.86	19.00	
20	256QAM	50	0	17.98	18.19	18.08	19.00	
20		50	24	18.02	18.17	18.06	19.00	
20		50	50	18.01	18.26	18.17	19.00	
20		100	0	17.88	18.04	17.84	19.00	
Channel				42165	42590	43015	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.09	22.22	22.09	23.00	
15		1	37	21.82	21.90	21.71	23.00	
15		1	74	21.59	21.84	21.70	23.00	
15		36	0	22.04	22.07	22.04	23.00	
15		36	20	21.69	21.95	21.81	23.00	
15		36	39	21.78	21.98	21.70	23.00	
15	16QAM	75	0	21.81	22.03	21.88	23.00	
15		1	0	21.77	22.06	21.74	23.00	
15		1	37	21.84	22.02	22.02	23.00	
15		1	74	21.65	22.01	21.77	23.00	
15		36	0	20.83	21.02	20.85	22.00	
15		36	20	20.91	21.06	20.83	22.00	
15	64QAM	36	39	20.84	21.02	20.88	22.00	
15		75	0	21.01	21.13	21.00	22.00	
15		1	0	20.83	21.06	20.96	22.00	
15		1	37	20.78	21.00	20.78	22.00	
15		1	74	20.84	20.97	20.93	22.00	
15		36	0	19.77	20.01	19.96	21.00	
15	256QAM	36	20	19.94	20.11	19.89	21.00	
15		36	39	19.78	19.98	19.87	21.00	
15		75	0	19.91	20.01	19.84	21.00	
15		1	0	17.88	18.12	17.94	19.00	
15		1	37	17.96	18.17	17.99	19.00	
15		1	74	17.82	17.96	17.75	19.00	
15	256QAM	36	0	17.89	18.10	18.03	19.00	
15		36	20	17.92	18.05	18.03	19.00	
15		36	39	17.99	18.14	18.02	19.00	
15		75	0	17.75	17.98	17.78	19.00	
Channel				42140	42590	43040	Tune-up Limit (dBm)	
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.97	22.17	22.12	23.00	
10		1	25	21.72	21.98	21.64	23.00	
10		1	49	21.65	21.88	21.73	23.00	
10		25	0	22.12	22.14	21.99	23.00	
10		25	12	21.66	22.00	21.75	23.00	
10		25	25	21.82	21.97	21.70	23.00	
10	16QAM	50	0	21.87	22.09	21.86	23.00	
10		1	0	21.83	22.07	21.76	23.00	
10		1	25	21.89	22.03	22.01	23.00	
10		1	49	21.74	22.05	21.85	23.00	
10		25	0	20.77	20.93	20.89	22.00	
10		25	12	20.92	20.98	20.79	22.00	



10	64QAM	25	25	20.83	20.99	20.84	22.00
10		50	0	20.99	21.13	21.06	22.00
10		1	0	20.76	21.07	20.94	22.00
10		1	25	20.86	20.98	20.85	22.00
10		1	49	20.78	20.99	20.91	22.00
10		25	0	19.72	20.11	19.84	21.00
10		25	12	19.89	20.07	19.93	21.00
10		25	25	19.79	19.97	19.92	21.00
10	256QAM	50	0	19.90	20.07	19.84	21.00
10		1	0	17.88	18.14	17.96	19.00
10		1	25	17.87	18.18	17.94	19.00
10		1	49	17.87	17.98	17.81	19.00
10		25	0	17.90	18.16	18.05	19.00
10		25	12	17.97	18.05	17.93	19.00
10		25	25	17.96	18.18	18.08	19.00
10		50	0	17.86	18.03	17.82	19.00
Channel				42115	42590	43065	Tune-up Limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.04	22.16	22.06	23.00
5		1	12	21.80	21.86	21.71	23.00
5		1	24	21.61	21.85	21.71	23.00
5		12	0	22.03	22.06	22.00	23.00
5		12	7	21.69	21.91	21.81	23.00
5		12	13	21.87	21.92	21.77	23.00
5	16QAM	25	0	21.83	22.12	21.89	23.00
5		1	0	21.80	22.08	21.75	23.00
5		1	12	21.90	22.11	21.90	23.00
5		1	24	21.72	22.05	21.78	23.00
5		12	0	20.76	20.95	20.86	22.00
5		12	7	20.87	21.00	20.82	22.00
5	64QAM	12	13	20.90	21.11	20.83	22.00
5		25	0	20.94	21.20	21.07	22.00
5		1	0	20.76	20.95	20.90	22.00
5		1	12	20.88	21.01	20.80	22.00
5		1	24	20.74	20.95	20.94	22.00
5		12	0	19.73	20.01	19.94	21.00
5	256QAM	12	7	19.91	20.01	19.91	21.00
5		12	13	19.87	20.01	19.80	21.00
5		25	0	19.87	20.02	19.83	21.00
5		1	0	17.90	18.03	18.06	19.00
5		1	12	17.97	18.15	17.96	19.00
5		1	24	17.85	17.99	17.76	19.00
5	256QAM	12	0	17.85	18.11	18.03	19.00
5		12	7	17.88	18.03	17.93	19.00
5		12	13	17.91	18.24	18.08	19.00
5		25	0	17.73	17.92	17.73	19.00

<LTE Band 42 (96) 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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.11	22.15	22.05	23.00
20		1	49	21.83	21.98	21.82	23.00
20		1	99	21.75	21.84	21.63	23.00
20		50	0	22.12	22.13	22.11	23.00
20		50	24	21.95	22.09	21.89	23.00
20		50	50	22.03	22.12	21.98	23.00
20	16QAM	100	0	22.07	22.14	21.97	23.00
20		1	0	21.90	22.08	21.95	23.00
20		1	49	21.85	21.98	21.82	23.00
20		1	99	21.94	22.10	21.90	23.00
20		50	0	21.06	21.14	21.03	22.00
20		50	24	20.94	21.02	20.78	22.00
20	64QAM	50	50	21.02	21.09	20.85	22.00
20		100	0	20.84	20.95	20.76	22.00
20		1	0	21.00	21.12	20.90	22.00
20		1	49	20.93	21.04	20.86	22.00
20		1	99	20.91	21.06	20.94	22.00
20		50	0	20.01	20.09	19.96	21.00
20	256QAM	50	24	20.05	20.11	19.96	21.00
20		50	50	19.93	20.05	19.88	21.00
20		100	0	20.03	20.12	19.89	21.00
20		1	0	17.83	17.97	17.84	19.00
20		1	49	17.83	17.95	17.81	19.00



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20		1	99	17.99	18.06	17.97	19.00	
20		50	0	17.87	17.95	17.83	19.00	
20		50	24	18.00	18.12	18.00	19.00	
20		50	50	17.98	18.13	17.98	19.00	
20		100	0	17.85	17.94	17.78	19.00	
Channel				43165	43340	43515	Tune-up Limit (dBm)	
Frequency (MHz)				3557.5	3575	3592.5		
15	QPSK	1	0	22.05	22.07	21.93	23.00	
15		1	37	21.80	21.91	21.70	23.00	
15		1	74	21.67	21.80	21.50	23.00	
15		36	0	22.05	22.07	22.00	23.00	
15		36	20	21.88	21.97	21.86	23.00	
15		36	39	21.92	22.09	21.95	23.00	
15	16QAM	75	0	22.05	22.06	21.88	23.00	
15		1	0	21.85	21.93	21.85	23.00	
15		1	37	21.75	21.90	21.68	23.00	
15		1	74	21.82	21.97	21.88	23.00	
15		36	0	21.02	21.09	20.99	22.00	
15		36	20	20.84	20.89	20.65	22.00	
15	64QAM	36	39	20.99	21.01	20.72	22.00	
15		75	0	20.70	20.85	20.62	22.00	
15		1	0	20.95	21.03	20.82	22.00	
15		1	37	20.89	20.93	20.80	22.00	
15		1	74	20.85	20.96	20.81	22.00	
15		36	0	19.99	20.02	19.86	21.00	
15	256QAM	36	20	20.00	20.05	19.82	21.00	
15		36	39	19.85	19.96	19.86	21.00	
15		75	0	19.95	20.02	19.82	21.00	
15		1	0	17.73	17.94	17.79	19.00	
15		1	37	17.68	17.85	17.71	19.00	
15		1	74	17.89	17.99	17.87	19.00	
15		36	0	17.85	17.81	17.82	19.00	
15		36	20	17.97	18.03	17.98	19.00	
15		36	39	17.92	18.11	17.92	19.00	
15		75	0	17.73	17.81	17.73	19.00	
Channel				43140	43340	43540	Tune-up Limit (dBm)	
Frequency (MHz)				3555	3575	3595		
10	QPSK	1	0	22.00	22.04	21.92	23.00	
10		1	25	21.75	21.94	21.78	23.00	
10		1	49	21.72	21.73	21.51	23.00	
10		25	0	22.08	22.11	22.05	23.00	
10		25	12	21.93	22.03	21.75	23.00	
10		25	25	21.97	22.07	21.89	23.00	
10	16QAM	50	0	21.98	22.01	21.94	23.00	
10		1	0	21.81	22.05	21.85	23.00	
10		1	25	21.75	21.88	21.77	23.00	
10		1	49	21.92	21.96	21.87	23.00	
10		25	0	20.94	21.09	20.91	22.00	
10		25	12	20.92	20.94	20.75	22.00	
10	64QAM	25	25	20.91	21.03	20.70	22.00	
10		50	0	20.74	20.80	20.67	22.00	
10		1	0	20.97	21.03	20.78	22.00	
10		1	25	20.90	20.92	20.76	22.00	
10		1	49	20.77	20.98	20.88	22.00	
10		25	0	19.97	20.05	19.86	21.00	
10	256QAM	25	12	20.00	20.08	19.86	21.00	
10		25	25	19.89	19.91	19.76	21.00	
10		50	0	19.88	20.09	19.77	21.00	
10		1	0	17.72	17.91	17.83	19.00	
10		1	25	17.74	17.88	17.68	19.00	
10		1	49	17.93	17.96	17.94	19.00	
10		25	0	17.83	17.89	17.73	19.00	
10		25	12	17.86	17.99	17.96	19.00	
10		25	25	17.96	18.06	17.96	19.00	
10		50	0	17.75	17.86	17.68	19.00	
Channel				43115	43340	43565	Tune-up Limit (dBm)	
Frequency (MHz)				3552.5	3575	3597.5		
5	QPSK	1	0	22.05	22.13	21.91	23.00	
5		1	12	21.81	21.90	21.75	23.00	
5		1	24	21.61	21.78	21.58	23.00	
5		12	0	22.09	22.11	22.00	23.00	
5		12	7	21.83	21.96	21.87	23.00	
5		12	13	21.97	22.03	21.89	23.00	
5	16QAM	25	0	22.06	22.11	21.92	23.00	
5		1	0	21.84	21.94	21.94	23.00	
5		1	12	21.76	21.97	21.70	23.00	
5		1	24	21.79	21.99	21.75	23.00	
5		12	0	20.95	21.05	21.02	22.00	



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5	64QAM	12	7	20.88	20.88	20.74	22.00
5		12	13	20.89	20.98	20.79	22.00
5		25	0	20.79	20.84	20.66	22.00
5		1	0	20.90	21.05	20.77	22.00
5		1	12	20.91	21.03	20.75	22.00
5	64QAM	1	24	20.85	20.93	20.80	22.00
5		12	0	19.99	19.99	19.91	21.00
5		12	7	20.00	19.98	19.91	21.00
5		12	13	19.86	20.00	19.80	21.00
5		25	0	19.99	20.08	19.80	21.00
5	256QAM	1	0	17.80	17.90	17.83	19.00
5		1	12	17.81	17.81	17.71	19.00
5		1	24	17.90	17.92	17.91	19.00
5		12	0	17.80	17.83	17.77	19.00
5		12	7	17.93	18.01	17.93	19.00
5	256QAM	12	13	17.95	18.07	17.92	19.00
5		25	0	17.74	17.82	17.67	19.00

<LTE Band 42 (27Q) 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				42190	42590	42990	Tune-up Limit (dBm)
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	18.20	18.21	18.19	19.30
20		1	49	18.02	18.07	18.01	19.30
20		1	99	18.00	18.08	17.95	19.30
20		50	0	18.08	18.10	18.05	19.30
20		50	24	18.02	18.04	17.92	19.30
20		50	50	17.94	18.08	18.05	19.30
20		100	0	17.88	17.98	17.95	19.30
20	16QAM	1	0	17.90	17.93	17.88	19.30
20		1	49	17.86	17.93	17.81	19.30
20		1	99	17.99	18.10	17.99	19.30
20		50	0	17.95	17.97	17.80	19.30
20		50	24	17.99	18.07	18.00	19.30
20		50	50	17.84	17.97	17.87	19.30
20		100	0	17.96	18.10	18.06	19.30
20	64QAM	1	0	17.81	17.92	17.87	19.30
20		1	49	18.01	18.08	17.97	19.30
20		1	99	17.91	17.93	17.85	19.30
20		50	0	17.93	18.03	17.93	19.30
20		50	24	17.84	17.98	17.87	19.30
20		50	50	17.81	17.95	17.92	19.30
20		100	0	17.95	18.07	18.01	19.30
20	256QAM	1	0	17.90	17.99	17.90	19.00
20		1	49	17.98	18.02	17.87	19.00
20		1	99	18.00	18.08	17.97	19.00
20		50	0	17.88	18.01	17.90	19.00
20		50	24	17.83	17.93	17.77	19.00
20		50	50	18.04	18.07	17.92	19.00
20		100	0	17.95	18.04	18.00	19.00
Channel				42165	42590	43015	Tune-up Limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	18.14	18.14	18.15	19.30
15		1	37	17.87	18.01	17.95	19.30
15		1	74	17.97	18.05	17.87	19.30
15		36	0	18.03	17.98	17.97	19.30
15		36	20	17.87	17.99	17.90	19.30
15		36	39	17.89	17.96	17.99	19.30
15		75	0	17.78	17.95	17.94	19.30
15	16QAM	1	0	17.86	17.80	17.81	19.30
15		1	37	17.85	17.82	17.78	19.30
15		1	74	17.95	18.03	17.86	19.30
15		36	0	17.94	17.94	17.71	19.30
15		36	20	17.93	18.03	17.94	19.30
15		36	39	17.80	17.94	17.77	19.30
15		75	0	17.87	18.02	18.04	19.30
15	64QAM	1	0	17.78	17.79	17.77	19.30
15		1	37	17.92	18.04	17.83	19.30
15		1	74	17.81	17.82	17.80	19.30
15		36	0	17.83	17.89	17.85	19.30
15		36	20	17.72	17.92	17.83	19.30
15		36	39	17.79	17.89	17.87	19.30
15		75	0	17.82	17.98	17.90	19.30
15	256QAM	1	0	17.85	17.95	17.80	19.00



15		1	37	17.85	17.94	17.74	19.00
15		1	74	17.85	17.97	17.94	19.00
15		36	0	17.86	17.95	17.77	19.00
15		36	20	17.70	17.85	17.62	19.00
15		36	39	17.92	17.93	17.81	19.00
15		75	0	17.89	17.93	17.96	19.00
Channel				42140	42590	43040	Tune-up Limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	18.15	18.11	18.13	19.30
10		1	25	17.98	18.05	17.93	19.30
10		1	49	17.90	18.01	17.84	19.30
10		25	0	18.00	17.97	17.97	19.30
10		25	12	17.92	17.98	17.78	19.30
10		25	25	17.81	17.96	17.93	19.30
10	16QAM	50	0	17.74	17.94	17.93	19.30
10		1	0	17.86	17.79	17.74	19.30
10		1	25	17.78	17.78	17.68	19.30
10		1	49	17.96	18.02	17.91	19.30
10		25	0	17.84	17.91	17.77	19.30
10		25	12	17.88	17.95	17.94	19.30
10	64QAM	25	25	17.76	17.89	17.81	19.30
10		50	0	17.89	17.97	17.91	19.30
10		1	0	17.79	17.81	17.84	19.30
10		1	25	17.88	18.06	17.92	19.30
10		1	49	17.78	17.79	17.80	19.30
10		25	0	17.79	17.96	17.78	19.30
10	256QAM	25	12	17.71	17.88	17.80	19.30
10		25	25	17.73	17.82	17.79	19.30
10		50	0	17.84	18.03	18.00	19.30
10		1	0	17.81	17.84	17.83	19.00
10		1	25	17.84	17.99	17.73	19.00
10		1	49	17.98	17.98	17.89	19.00
10		25	0	17.75	17.90	17.76	19.00
10		25	12	17.72	17.81	17.75	19.00
10		25	25	18.01	17.92	17.78	19.00
10		50	0	17.90	17.95	17.92	19.00
Channel				42115	42590	43065	Tune-up Limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	18.07	18.17	18.13	19.30
5		1	12	17.94	18.04	17.98	19.30
5		1	24	17.92	18.05	17.87	19.30
5		12	0	18.06	17.97	18.03	19.30
5		12	7	17.96	17.90	17.83	19.30
5		12	13	17.85	18.01	18.00	19.30
5	16QAM	25	0	17.82	17.95	17.86	19.30
5		1	0	17.85	17.85	17.86	19.30
5		1	12	17.78	17.83	17.80	19.30
5		1	24	17.97	18.07	17.93	19.30
5		12	0	17.87	17.89	17.69	19.30
5		12	7	17.96	18.00	17.96	19.30
5	64QAM	12	13	17.75	17.84	17.83	19.30
5		25	0	17.89	18.03	18.00	19.30
5		1	0	17.79	17.86	17.79	19.30
5		1	12	17.90	17.97	17.91	19.30
5		1	24	17.78	17.90	17.78	19.30
5		12	0	17.87	17.94	17.79	19.30
5	256QAM	12	7	17.70	17.93	17.75	19.30
5		12	13	17.67	17.90	17.79	19.30
5		25	0	17.86	18.06	17.99	19.30
5		1	0	17.78	17.97	17.75	19.00
5		1	12	17.84	17.99	17.73	19.00
5		1	24	17.93	17.96	17.88	19.00
5		12	0	17.75	17.94	17.79	19.00
5		12	7	17.69	17.82	17.73	19.00
5		12	13	17.94	18.01	17.85	19.00
5		25	0	17.90	17.97	17.90	19.00

<LTE Band 42 (96) 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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	18.12	18.17	18.13	19.30
20		1	49	17.89	18.01	17.82	19.30
20		1	99	17.84	17.91	17.76	19.30
20		50	0	18.02	18.08	18.00	19.30
20		50	24	17.93	18.08	17.92	19.30



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20	16QAM	50	50	17.92	18.01	17.95	19.30	
20		100	0	17.88	17.91	17.84	19.30	
20		1	0	17.77	17.96	17.88	19.30	
20		1	49	17.81	17.97	17.87	19.30	
20		1	99	17.91	18.07	17.94	19.30	
20		50	0	17.92	18.03	17.85	19.30	
20		50	24	17.77	17.92	17.83	19.30	
20		50	50	17.80	17.87	17.82	19.30	
20		100	0	17.85	18.02	17.95	19.30	
20	64QAM	1	0	17.96	18.06	17.99	19.30	
20		1	49	17.89	18.05	17.96	19.30	
20		1	99	17.95	18.08	17.99	19.30	
20		50	0	17.73	17.91	17.83	19.30	
20		50	24	17.96	18.03	17.93	19.30	
20		50	50	17.87	17.96	17.91	19.30	
20	256QAM	100	0	17.92	17.99	17.85	19.30	
20		1	0	17.95	18.04	17.86	19.00	
20		1	49	17.73	17.92	17.84	19.00	
20		1	99	17.86	17.94	17.77	19.00	
20		50	0	17.78	17.89	17.71	19.00	
20		50	24	17.88	17.95	17.80	19.00	
20		50	50	17.89	18.00	17.87	19.00	
20		100	0	17.90	18.05	17.88	19.00	
Channel				43165	43340	43515	Tune-up Limit	
Frequency (MHz)				3557.5	3575	3592.5		
15	QPSK	1	0	18.05	18.03	18.09	19.30	
15		1	37	17.78	17.95	17.74	19.30	
15		1	74	17.80	17.77	17.73	19.30	
15		36	0	18.00	18.04	17.92	19.30	
15		36	20	17.82	17.96	17.84	19.30	
15		36	39	17.80	17.87	17.93	19.30	
15	16QAM	75	0	17.73	17.86	17.71	19.30	
15		1	0	17.64	17.82	17.86	19.30	
15		1	37	17.69	17.90	17.81	19.30	
15		1	74	17.87	18.04	17.93	19.30	
15		36	0	17.82	17.95	17.80	19.30	
15		36	20	17.62	17.82	17.68	19.30	
15	64QAM	36	39	17.76	17.74	17.78	19.30	
15		75	0	17.74	17.89	17.81	19.30	
15		1	0	17.86	18.05	17.89	19.30	
15		1	37	17.78	17.94	17.84	19.30	
15		1	74	17.93	18.02	17.87	19.30	
15		36	0	17.72	17.87	17.79	19.30	
15	256QAM	36	20	17.93	17.88	17.84	19.30	
15		36	39	17.75	17.91	17.83	19.30	
15		75	0	17.89	17.98	17.78	19.30	
15		1	0	17.85	18.00	17.83	19.00	
15		1	37	17.69	17.88	17.76	19.00	
15		1	74	17.80	17.84	17.73	19.00	
15		36	0	17.66	17.75	17.68	19.00	
15		36	20	17.76	17.93	17.78	19.00	
15		36	39	17.86	17.89	17.72	19.00	
15		75	0	17.89	17.93	17.74	19.00	
Channel				43140	43340	43540	Tune-up Limit	
Frequency (MHz)				3555	3575	3595		
10	QPSK	1	0	18.07	18.10	18.10	19.30	
10		1	25	17.75	17.91	17.71	19.30	
10		1	49	17.79	17.83	17.65	19.30	
10		25	0	17.93	17.99	17.85	19.30	
10		25	12	17.81	18.01	17.84	19.30	
10		25	25	17.91	17.95	17.93	19.30	
10	16QAM	50	0	17.77	17.81	17.82	19.30	
10		1	0	17.65	17.87	17.73	19.30	
10		1	25	17.75	17.88	17.83	19.30	
10		1	49	17.85	18.06	17.90	19.30	
10		25	0	17.78	18.01	17.72	19.30	
10		25	12	17.65	17.89	17.70	19.30	
10	64QAM	25	25	17.73	17.81	17.70	19.30	
10		50	0	17.72	17.98	17.93	19.30	
10		1	0	17.88	17.98	17.95	19.30	
10		1	25	17.77	17.98	17.93	19.30	
10		1	49	17.81	17.96	17.91	19.30	
10		25	0	17.64	17.87	17.79	19.30	
10	256QAM	25	12	17.92	18.01	17.91	19.30	
10		25	25	17.77	17.87	17.80	19.30	
10		50	0	17.88	17.96	17.74	19.30	
10		1	0	17.85	18.02	17.84	19.00	
10		1	25	17.69	17.84	17.78	19.00	



10		1	49	17.82	17.92	17.63	19.00
10		25	0	17.73	17.75	17.57	19.00
10		25	12	17.81	17.90	17.76	19.00
10		25	25	17.79	17.97	17.72	19.00
10		50	0	17.88	18.01	17.77	19.00
Channel				43115	43340	43565	Tune-up Limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	17.97	18.02	18.07	19.30
5		1	12	17.77	17.93	17.74	19.30
5		1	24	17.76	17.82	17.68	19.30
5		12	0	17.95	18.02	17.98	19.30
5		12	7	17.78	18.03	17.87	19.30
5		12	13	17.82	17.99	17.94	19.30
5	16QAM	25	0	17.76	17.77	17.76	19.30
5		1	0	17.69	17.92	17.85	19.30
5		1	12	17.77	17.94	17.75	19.30
5		1	24	17.86	17.97	17.86	19.30
5		12	0	17.84	17.88	17.80	19.30
5		12	7	17.72	17.86	17.73	19.30
5	64QAM	12	13	17.69	17.79	17.71	19.30
5		25	0	17.79	17.96	17.90	19.30
5		1	0	17.85	18.01	17.89	19.30
5		1	12	17.85	17.91	17.92	19.30
5		1	24	17.81	17.94	17.87	19.30
5		12	0	17.64	17.88	17.68	19.30
5	256QAM	12	7	17.88	17.91	17.91	19.30
5		12	13	17.73	17.83	17.87	19.30
5		25	0	17.81	17.91	17.78	19.30
5		1	0	17.81	17.98	17.73	19.00
5		1	12	17.69	17.82	17.79	19.00
5		1	24	17.79	17.89	17.70	19.00
5		12	0	17.73	17.80	17.64	19.00
5		12	7	17.73	17.81	17.67	19.00
5		12	13	17.75	17.85	17.78	19.00
5		25	0	17.84	17.91	17.77	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	21.70	21.72	21.68	22.60
20	QPSK	1	49	21.38	21.48	21.39	22.60
20	QPSK	1	99	21.50	21.55	21.46	22.60
20	QPSK	50	0	21.54	21.58	21.56	22.60
20	QPSK	50	24	21.45	21.55	21.49	22.60
20	QPSK	50	50	21.36	21.44	21.33	22.60
20	QPSK	100	0	21.44	21.46	21.39	22.60
20	16QAM	1	0	21.51	21.58	21.46	22.60
20	16QAM	1	49	21.40	21.55	21.39	22.60
20	16QAM	1	99	21.49	21.52	21.39	22.60
20	16QAM	50	0	21.00	21.07	20.98	22.00
20	16QAM	50	24	20.98	21.02	20.95	22.00
20	16QAM	50	50	20.94	20.99	20.90	22.00
20	16QAM	100	0	20.84	20.98	20.84	22.00
20	64QAM	1	0	20.99	21.08	20.89	22.00
20	64QAM	1	49	20.97	21.10	20.99	22.00
20	64QAM	1	99	20.90	21.00	20.84	22.00
20	64QAM	50	0	19.93	20.05	19.88	21.00
20	64QAM	50	24	19.91	20.04	19.94	21.00
20	64QAM	50	50	19.80	19.94	19.82	21.00
20	64QAM	100	0	19.88	19.96	19.91	21.00
20	256QAM	1	0	17.95	18.08	17.97	19.00
20	256QAM	1	49	17.91	18.03	17.86	19.00
20	256QAM	1	99	17.87	17.94	17.89	19.00
20	256QAM	50	0	17.89	17.98	17.93	19.00



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20	256QAM	50	24	17.89	17.99	17.91	19.00
20	256QAM	50	50	17.90	17.99	17.82	19.00
20	256QAM	100	0	17.88	18.00	17.88	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	21.62	21.63	21.61	22.60
15	QPSK	1	37	21.35	21.42	21.26	22.60
15	QPSK	1	74	21.49	21.48	21.32	22.60
15	QPSK	36	0	21.53	21.44	21.43	22.60
15	QPSK	36	20	21.37	21.46	21.36	22.60
15	QPSK	36	39	21.34	21.40	21.22	22.60
15	QPSK	75	0	21.41	21.34	21.28	22.60
15	16QAM	1	0	21.40	21.45	21.41	22.60
15	16QAM	1	37	21.34	21.47	21.36	22.60
15	16QAM	1	74	21.47	21.47	21.30	22.60
15	16QAM	36	0	20.86	20.97	20.89	22.00
15	16QAM	36	20	20.96	20.95	20.84	22.00
15	16QAM	36	39	20.81	20.91	20.87	22.00
15	16QAM	75	0	20.70	20.85	20.73	22.00
15	64QAM	1	0	20.86	21.02	20.75	22.00
15	64QAM	1	37	20.84	21.03	20.88	22.00
15	64QAM	1	74	20.88	20.97	20.73	22.00
15	64QAM	36	0	19.86	19.93	19.76	21.00
15	64QAM	36	20	19.83	19.92	19.85	21.00
15	64QAM	36	39	19.69	19.79	19.72	21.00
15	64QAM	75	0	19.74	19.83	19.86	21.00
15	256QAM	1	0	17.92	18.07	17.86	19.00
15	256QAM	1	37	17.78	17.92	17.81	19.00
15	256QAM	1	74	17.85	17.91	17.85	19.00
15	256QAM	36	0	17.78	17.90	17.89	19.00
15	256QAM	36	20	17.85	17.91	17.78	19.00
15	256QAM	36	39	17.86	17.86	17.71	19.00
15	256QAM	75	0	17.82	17.98	17.83	19.00
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	21.58	21.60	21.65	22.60
10	QPSK	1	25	21.25	21.36	21.24	22.60
10	QPSK	1	49	21.47	21.43	21.44	22.60
10	QPSK	25	0	21.41	21.48	21.47	22.60
10	QPSK	25	12	21.37	21.45	21.39	22.60
10	QPSK	25	25	21.30	21.32	21.32	22.60
10	QPSK	50	0	21.38	21.36	21.38	22.60
10	16QAM	1	0	21.47	21.46	21.43	22.60
10	16QAM	1	25	21.38	21.46	21.36	22.60
10	16QAM	1	49	21.45	21.40	21.35	22.60
10	16QAM	25	0	20.97	20.98	20.96	22.00
10	16QAM	25	12	20.87	20.96	20.86	22.00
10	16QAM	25	25	20.84	20.90	20.87	22.00
10	16QAM	50	0	20.73	20.84	20.79	22.00
10	64QAM	1	0	20.97	20.95	20.83	22.00
10	64QAM	1	25	20.86	21.01	20.97	22.00
10	64QAM	1	49	20.77	20.86	20.83	22.00
10	64QAM	25	0	19.87	19.94	19.77	21.00
10	64QAM	25	12	19.79	20.02	19.86	21.00
10	64QAM	25	25	19.77	19.80	19.70	21.00
10	64QAM	50	0	19.87	19.93	19.79	21.00
10	256QAM	1	0	17.88	17.96	17.93	19.00
10	256QAM	1	25	17.85	17.93	17.84	19.00
10	256QAM	1	49	17.72	17.90	17.82	19.00
10	256QAM	25	0	17.83	17.90	17.87	19.00
10	256QAM	25	12	17.79	17.91	17.89	19.00
10	256QAM	25	25	17.76	17.96	17.72	19.00
10	256QAM	50	0	17.75	17.88	17.78	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	21.66	21.62	21.56	22.60
5	QPSK	1	12	21.34	21.43	21.37	22.60
5	QPSK	1	24	21.40	21.54	21.35	22.60
5	QPSK	12	0	21.49	21.50	21.52	22.60
5	QPSK	12	7	21.37	21.44	21.34	22.60
5	QPSK	12	13	21.29	21.42	21.32	22.60
5	QPSK	25	0	21.34	21.44	21.31	22.60
5	16QAM	1	0	21.49	21.51	21.36	22.60
5	16QAM	1	12	21.28	21.51	21.27	22.60
5	16QAM	1	24	21.45	21.48	21.27	22.60
5	16QAM	12	0	20.98	20.94	20.96	22.00
5	16QAM	12	7	20.84	20.90	20.94	22.00
5	16QAM	12	13	20.82	20.95	20.80	22.00



5	16QAM	25	0	20.78	20.91	20.77	22.00
5	64QAM	1	0	20.85	21.04	20.82	22.00
5	64QAM	1	12	20.93	21.02	20.91	22.00
5	64QAM	1	24	20.82	20.90	20.76	22.00
5	64QAM	12	0	19.78	20.03	19.80	21.00
5	64QAM	12	7	19.81	19.89	19.80	21.00
5	64QAM	12	13	19.73	19.80	19.70	21.00
5	64QAM	25	0	19.83	19.91	19.79	21.00
5	256QAM	1	0	17.93	18.06	17.82	19.00
5	256QAM	1	12	17.89	17.90	17.77	19.00
5	256QAM	1	24	17.75	17.83	17.78	19.00
5	256QAM	12	0	17.83	17.92	17.91	19.00
5	256QAM	12	7	17.82	17.85	17.88	19.00
5	256QAM	12	13	17.78	17.97	17.71	19.00
5	256QAM	25	0	17.85	17.86	17.82	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.66	21.68	21.63	22.60
20	QPSK	1	49	21.50	21.57	21.38	22.60
20	QPSK	1	99	21.35	21.44	21.31	22.60
20	QPSK	50	0	21.42	21.55	21.46	22.60
20	QPSK	50	24	21.36	21.52	21.36	22.60
20	QPSK	50	50	21.34	21.41	21.23	22.60
20	QPSK	100	0	21.55	21.56	21.51	22.60
20	16QAM	1	0	21.36	21.50	21.34	22.60
20	16QAM	1	49	21.42	21.52	21.42	22.60
20	16QAM	1	99	21.29	21.39	21.31	22.60
20	16QAM	50	0	20.93	21.04	20.86	22.00
20	16QAM	50	24	20.87	21.04	20.93	22.00
20	16QAM	50	50	20.99	21.09	20.92	22.00
20	16QAM	100	0	20.90	21.03	20.96	22.00
20	64QAM	1	0	20.84	20.89	20.73	22.00
20	64QAM	1	49	20.98	21.03	20.93	22.00
20	64QAM	1	99	20.99	21.09	20.98	22.00
20	64QAM	50	0	19.89	20.05	19.92	21.00
20	64QAM	50	24	19.84	19.97	19.81	21.00
20	64QAM	50	50	19.88	19.97	19.78	21.00
20	64QAM	100	0	19.98	20.08	20.00	21.00
20	256QAM	1	0	17.89	17.95	17.76	19.00
20	256QAM	1	49	17.96	18.04	17.97	19.00
20	256QAM	1	99	17.76	17.89	17.76	19.00
20	256QAM	50	0	18.01	18.04	17.88	19.00
20	256QAM	50	24	17.85	17.98	17.83	19.00
20	256QAM	50	50	17.77	17.90	17.80	19.00
20	256QAM	100	0	17.81	17.93	17.74	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.54	21.62	21.62	22.60
15	QPSK	1	37	21.47	21.53	21.27	22.60
15	QPSK	1	74	21.26	21.32	21.21	22.60
15	QPSK	36	0	21.31	21.41	21.31	22.60
15	QPSK	36	20	21.31	21.47	21.26	22.60
15	QPSK	36	39	21.21	21.38	21.14	22.60
15	QPSK	75	0	21.44	21.45	21.49	22.60
15	16QAM	1	0	21.27	21.41	21.25	22.60
15	16QAM	1	37	21.29	21.43	21.31	22.60
15	16QAM	1	74	21.15	21.28	21.24	22.60
15	16QAM	36	0	20.82	20.93	20.83	22.00
15	16QAM	36	20	20.80	20.93	20.80	22.00
15	16QAM	36	39	20.92	20.95	20.85	22.00
15	16QAM	75	0	20.85	20.91	20.90	22.00
15	64QAM	1	0	20.71	20.84	20.62	22.00
15	64QAM	1	37	20.90	21.01	20.78	22.00
15	64QAM	1	74	20.94	21.01	20.89	22.00
15	64QAM	36	0	19.84	19.91	19.79	21.00
15	64QAM	36	20	19.81	19.91	19.69	21.00
15	64QAM	36	39	19.75	19.89	19.66	21.00
15	64QAM	75	0	19.87	20.06	19.92	21.00



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15	256QAM	1	0	17.75	17.89	17.72	19.00
15	256QAM	1	37	17.87	18.02	17.90	19.00
15	256QAM	1	74	17.74	17.82	17.73	19.00
15	256QAM	36	0	17.89	17.92	17.80	19.00
15	256QAM	36	20	17.78	17.96	17.76	19.00
15	256QAM	36	39	17.67	17.88	17.78	19.00
15	256QAM	75	0	17.77	17.89	17.70	19.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.62	21.64	21.60	22.60
10	QPSK	1	25	21.45	21.46	21.30	22.60
10	QPSK	1	49	21.26	21.32	21.16	22.60
10	QPSK	25	0	21.33	21.42	21.33	22.60
10	QPSK	25	12	21.33	21.37	21.23	22.60
10	QPSK	25	25	21.19	21.37	21.09	22.60
10	QPSK	50	0	21.46	21.46	21.40	22.60
10	16QAM	1	0	21.27	21.44	21.26	22.60
10	16QAM	1	25	21.28	21.41	21.36	22.60
10	16QAM	1	49	21.23	21.38	21.23	22.60
10	16QAM	25	0	20.90	20.96	20.84	22.00
10	16QAM	25	12	20.78	20.91	20.84	22.00
10	16QAM	25	25	20.84	21.00	20.78	22.00
10	16QAM	50	0	20.78	20.95	20.85	22.00
10	64QAM	1	0	20.82	20.80	20.64	22.00
10	64QAM	1	25	20.90	20.95	20.90	22.00
10	64QAM	1	49	20.93	21.03	20.89	22.00
10	64QAM	25	0	19.79	19.97	19.88	21.00
10	64QAM	25	12	19.79	19.93	19.74	21.00
10	64QAM	25	25	19.87	19.91	19.66	21.00
10	64QAM	50	0	19.93	20.05	19.98	21.00
10	256QAM	1	0	17.79	17.82	17.65	19.00
10	256QAM	1	25	17.84	18.02	17.94	19.00
10	256QAM	1	49	17.64	17.88	17.70	19.00
10	256QAM	25	0	17.97	17.99	17.75	19.00
10	256QAM	25	12	17.82	17.90	17.74	19.00
10	256QAM	25	25	17.75	17.84	17.68	19.00
10	256QAM	50	0	17.70	17.83	17.62	19.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.57	21.66	21.61	22.60
5	QPSK	1	12	21.38	21.52	21.31	22.60
5	QPSK	1	24	21.24	21.39	21.19	22.60
5	QPSK	12	0	21.29	21.44	21.36	22.60
5	QPSK	12	7	21.25	21.42	21.33	22.60
5	QPSK	12	13	21.24	21.31	21.12	22.60
5	QPSK	25	0	21.42	21.50	21.43	22.60
5	16QAM	1	0	21.24	21.39	21.21	22.60
5	16QAM	1	12	21.29	21.43	21.39	22.60
5	16QAM	1	24	21.18	21.33	21.25	22.60
5	16QAM	12	0	20.79	20.97	20.80	22.00
5	16QAM	12	7	20.82	20.95	20.89	22.00
5	16QAM	12	13	20.87	20.96	20.83	22.00
5	16QAM	25	0	20.77	21.00	20.95	22.00
5	64QAM	1	0	20.81	20.79	20.71	22.00
5	64QAM	1	12	20.94	20.96	20.87	22.00
5	64QAM	1	24	20.88	21.04	20.95	22.00
5	64QAM	12	0	19.75	19.94	19.86	21.00
5	64QAM	12	7	19.81	19.96	19.77	21.00
5	64QAM	12	13	19.82	19.87	19.71	21.00
5	64QAM	25	0	19.89	19.94	19.96	21.00
5	256QAM	1	0	17.80	17.84	17.67	19.00
5	256QAM	1	12	17.88	17.96	17.88	19.00
5	256QAM	1	24	17.64	17.85	17.73	19.00
5	256QAM	12	0	18.00	17.97	17.75	19.00
5	256QAM	12	7	17.75	17.87	17.80	19.00
5	256QAM	12	13	17.71	17.84	17.73	19.00
5	256QAM	25	0	17.73	17.78	17.63	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 8_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	



Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	12.98	13.01	12.91	14.30
20	QPSK	1	49	12.84	12.84	12.77	14.30
20	QPSK	1	99	12.81	12.83	12.87	14.30
20	QPSK	50	0	12.83	12.99	12.89	14.30
20	QPSK	50	24	12.71	12.77	12.79	14.30
20	QPSK	50	50	12.72	12.74	12.74	14.30
20	QPSK	100	0	12.82	12.95	12.80	14.30
20	16QAM	1	0	12.90	12.89	12.86	14.30
20	16QAM	1	49	12.95	12.88	12.78	14.30
20	16QAM	1	99	12.91	12.93	12.79	14.30
20	16QAM	50	0	12.85	12.95	12.81	14.30
20	16QAM	50	24	12.88	12.96	12.77	14.30
20	16QAM	50	50	12.86	12.90	12.87	14.30
20	16QAM	100	0	12.87	12.92	12.88	14.30
20	64QAM	1	0	12.93	12.88	12.83	14.30
20	64QAM	1	49	12.91	12.90	12.79	14.30
20	64QAM	1	99	12.87	12.89	12.80	14.30
20	64QAM	50	0	12.94	12.94	12.80	14.30
20	64QAM	50	24	12.84	12.88	12.83	14.30
20	64QAM	50	50	12.89	12.92	12.82	14.30
20	64QAM	100	0	12.87	12.90	12.82	14.30
20	256QAM	1	0	12.90	12.97	12.88	14.30
20	256QAM	1	49	12.91	12.88	12.81	14.30
20	256QAM	1	99	12.90	12.96	12.80	14.30
20	256QAM	50	0	12.86	12.86	12.82	14.30
20	256QAM	50	24	12.87	12.89	12.87	14.30
20	256QAM	50	50	12.88	12.92	12.81	14.30
20	256QAM	100	0	12.91	12.88	12.84	14.30
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	12.88	12.94	12.89	14.30
15	QPSK	1	37	12.78	12.82	12.62	14.30
15	QPSK	1	74	12.90	12.79	12.82	14.30
15	QPSK	36	0	12.78	12.90	12.68	14.30
15	QPSK	36	20	12.80	12.92	12.68	14.30
15	QPSK	36	39	12.77	12.87	12.81	14.30
15	QPSK	75	0	12.84	12.79	12.74	14.30
15	16QAM	1	0	12.83	12.81	12.77	14.30
15	16QAM	1	37	12.89	12.84	12.65	14.30
15	16QAM	1	74	12.80	12.79	12.66	14.30
15	16QAM	36	0	12.71	12.81	12.71	14.30
15	16QAM	36	20	12.83	12.88	12.69	14.30
15	16QAM	36	39	12.84	12.87	12.77	14.30
15	16QAM	75	0	12.82	12.84	12.77	14.30
15	64QAM	1	0	12.79	12.74	12.77	14.30
15	64QAM	1	37	12.82	12.77	12.69	14.30
15	64QAM	1	74	12.83	12.83	12.73	14.30
15	64QAM	36	0	12.85	12.86	12.76	14.30
15	64QAM	36	20	12.73	12.78	12.82	14.30
15	64QAM	36	39	12.82	12.80	12.75	14.30
15	64QAM	75	0	12.76	12.86	12.74	14.30
15	256QAM	1	0	12.85	12.83	12.84	14.30
15	256QAM	1	37	12.77	12.74	12.67	14.30
15	256QAM	1	74	12.78	12.85	12.75	14.30
15	256QAM	36	0	12.83	12.80	12.68	14.30
15	256QAM	36	20	12.84	12.85	12.82	14.30
15	256QAM	36	39	12.78	12.90	12.72	14.30
15	256QAM	75	0	12.86	12.82	12.82	14.30
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	12.91	12.98	12.88	14.30
10	QPSK	1	25	12.73	12.85	12.75	14.30
10	QPSK	1	49	12.82	12.86	12.81	14.30
10	QPSK	25	0	12.76	12.87	12.67	14.30
10	QPSK	25	12	12.79	12.84	12.76	14.30
10	QPSK	25	25	12.73	12.90	12.71	14.30
10	QPSK	50	0	12.81	12.89	12.74	14.30
10	16QAM	1	0	12.80	12.77	12.72	14.30
10	16QAM	1	25	12.84	12.86	12.67	14.30
10	16QAM	1	49	12.88	12.90	12.65	14.30
10	16QAM	25	0	12.77	12.91	12.78	14.30
10	16QAM	25	12	12.75	12.91	12.74	14.30
10	16QAM	25	25	12.83	12.80	12.75	14.30
10	16QAM	50	0	12.78	12.83	12.86	14.30
10	64QAM	1	0	12.88	12.77	12.69	14.30
10	64QAM	1	25	12.79	12.79	12.69	14.30
10	64QAM	1	49	12.83	12.83	12.66	14.30



10	64QAM	25	0	12.86	12.91	12.65	14.30
10	64QAM	25	12	12.80	12.76	12.72	14.30
10	64QAM	25	25	12.83	12.83	12.79	14.30
10	64QAM	50	0	12.72	12.78	12.68	14.30
10	256QAM	1	0	12.80	12.86	12.74	14.30
10	256QAM	1	25	12.78	12.74	12.78	14.30
10	256QAM	1	49	12.88	12.93	12.70	14.30
10	256QAM	25	0	12.84	12.85	12.71	14.30
10	256QAM	25	12	12.78	12.82	12.73	14.30
10	256QAM	25	25	12.76	12.90	12.76	14.30
10	256QAM	50	0	12.88	12.83	12.72	14.30
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	12.96	12.90	12.84	14.30
5	QPSK	1	12	12.80	12.88	12.67	14.30
5	QPSK	1	24	12.82	12.79	12.85	14.30
5	QPSK	12	0	12.77	12.89	12.77	14.30
5	QPSK	12	7	12.83	12.85	12.78	14.30
5	QPSK	12	13	12.79	12.90	12.70	14.30
5	QPSK	25	0	12.86	12.89	12.77	14.30
5	16QAM	1	0	12.86	12.83	12.73	14.30
5	16QAM	1	12	12.82	12.77	12.71	14.30
5	16QAM	1	24	12.81	12.85	12.72	14.30
5	16QAM	12	0	12.73	12.86	12.75	14.30
5	16QAM	12	7	12.87	12.86	12.68	14.30
5	16QAM	12	13	12.80	12.75	12.75	14.30
5	16QAM	25	0	12.82	12.90	12.84	14.30
5	64QAM	1	0	12.92	12.73	12.71	14.30
5	64QAM	1	12	12.80	12.79	12.70	14.30
5	64QAM	1	24	12.79	12.78	12.70	14.30
5	64QAM	12	0	12.84	12.81	12.75	14.30
5	64QAM	12	7	12.76	12.87	12.72	14.30
5	64QAM	12	13	12.75	12.81	12.79	14.30
5	64QAM	25	0	12.83	12.80	12.70	14.30
5	256QAM	1	0	12.75	12.94	12.82	14.30
5	256QAM	1	12	12.78	12.78	12.78	14.30
5	256QAM	1	24	12.79	12.85	12.73	14.30
5	256QAM	12	0	12.72	12.77	12.70	14.30
5	256QAM	12	7	12.78	12.79	12.81	14.30
5	256QAM	12	13	12.76	12.88	12.67	14.30
5	256QAM	25	0	12.83	12.86	12.72	14.30

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 8_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	12.84	12.88	12.86	14.30
20	QPSK	1	49	12.78	12.78	12.71	14.30
20	QPSK	1	99	12.74	12.80	12.74	14.30
20	QPSK	50	0	12.83	12.87	12.81	14.30
20	QPSK	50	24	12.78	12.80	12.67	14.30
20	QPSK	50	50	12.77	12.80	12.76	14.30
20	QPSK	100	0	12.80	12.85	12.74	14.30
20	16QAM	1	0	12.80	12.78	12.70	14.30
20	16QAM	1	49	12.82	12.86	12.72	14.30
20	16QAM	1	99	12.85	12.82	12.69	14.30
20	16QAM	50	0	12.75	12.80	12.66	14.30
20	16QAM	50	24	12.73	12.78	12.71	14.30
20	16QAM	50	50	12.77	12.80	12.69	14.30
20	16QAM	100	0	12.85	12.87	12.78	14.30
20	64QAM	1	0	12.76	12.81	12.67	14.30
20	64QAM	1	49	12.84	12.76	12.67	14.30
20	64QAM	1	99	12.74	12.86	12.75	14.30
20	64QAM	50	0	12.83	12.83	12.66	14.30
20	64QAM	50	24	12.82	12.87	12.70	14.30
20	64QAM	50	50	12.79	12.80	12.70	14.30
20	64QAM	100	0	12.79	12.80	12.72	14.30
20	256QAM	1	0	12.83	12.86	12.67	14.30
20	256QAM	1	49	12.80	12.76	12.73	14.30
20	256QAM	1	99	12.80	12.87	12.70	14.30
20	256QAM	50	0	12.76	12.78	12.76	14.30



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20	256QAM	50	24	12.73	12.86	12.69	14.30
20	256QAM	50	50	12.79	12.81	12.72	14.30
20	256QAM	100	0	12.81	12.87	12.68	14.30
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	12.64	12.86	12.54	14.30
15	QPSK	1	37	12.76	12.65	12.61	14.30
15	QPSK	1	74	12.63	12.78	12.62	14.30
15	QPSK	36	0	12.73	12.73	12.59	14.30
15	QPSK	36	20	12.77	12.67	12.65	14.30
15	QPSK	36	39	12.64	12.74	12.70	14.30
15	QPSK	75	0	12.78	12.78	12.63	14.30
15	16QAM	1	0	12.71	12.72	12.66	14.30
15	16QAM	1	37	12.74	12.75	12.70	14.30
15	16QAM	1	74	12.83	12.69	12.61	14.30
15	16QAM	36	0	12.70	12.67	12.54	14.30
15	16QAM	36	20	12.66	12.75	12.58	14.30
15	16QAM	36	39	12.73	12.74	12.61	14.30
15	16QAM	75	0	12.76	12.72	12.65	14.30
15	64QAM	1	0	12.67	12.78	12.54	14.30
15	64QAM	1	37	12.70	12.66	12.60	14.30
15	64QAM	1	74	12.65	12.81	12.61	14.30
15	64QAM	36	0	12.70	12.81	12.64	14.30
15	64QAM	36	20	12.69	12.86	12.64	14.30
15	64QAM	36	39	12.77	12.66	12.62	14.30
15	64QAM	75	0	12.78	12.77	12.69	14.30
15	256QAM	1	0	12.72	12.77	12.54	14.30
15	256QAM	1	37	12.73	12.73	12.70	14.30
15	256QAM	1	74	12.67	12.82	12.68	14.30
15	256QAM	36	0	12.67	12.76	12.72	14.30
15	256QAM	36	20	12.60	12.81	12.66	14.30
15	256QAM	36	39	12.76	12.74	12.61	14.30
15	256QAM	75	0	12.67	12.76	12.55	14.30
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	12.60	12.75	12.53	14.30
10	QPSK	1	25	12.65	12.76	12.60	14.30
10	QPSK	1	49	12.61	12.66	12.71	14.30
10	QPSK	25	0	12.66	12.78	12.63	14.30
10	QPSK	25	12	12.72	12.79	12.66	14.30
10	QPSK	25	25	12.69	12.70	12.64	14.30
10	QPSK	50	0	12.71	12.72	12.60	14.30
10	16QAM	1	0	12.70	12.70	12.67	14.30
10	16QAM	1	25	12.81	12.71	12.65	14.30
10	16QAM	1	49	12.72	12.74	12.58	14.30
10	16QAM	25	0	12.60	12.74	12.57	14.30
10	16QAM	25	12	12.70	12.75	12.57	14.30
10	16QAM	25	25	12.70	12.77	12.66	14.30
10	16QAM	50	0	12.77	12.76	12.73	14.30
10	64QAM	1	0	12.70	12.70	12.61	14.30
10	64QAM	1	25	12.81	12.73	12.54	14.30
10	64QAM	1	49	12.71	12.73	12.71	14.30
10	64QAM	25	0	12.69	12.77	12.61	14.30
10	64QAM	25	12	12.80	12.84	12.58	14.30
10	64QAM	25	25	12.77	12.73	12.64	14.30
10	64QAM	50	0	12.77	12.71	12.59	14.30
10	256QAM	1	0	12.80	12.75	12.64	14.30
10	256QAM	1	25	12.66	12.64	12.68	14.30
10	256QAM	1	49	12.78	12.79	12.60	14.30
10	256QAM	25	0	12.69	12.71	12.72	14.30
10	256QAM	25	12	12.58	12.83	12.63	14.30
10	256QAM	25	25	12.65	12.67	12.58	14.30
10	256QAM	50	0	12.72	12.82	12.65	14.30
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	12.72	12.78	12.63	14.30
5	QPSK	1	12	12.71	12.72	12.62	14.30
5	QPSK	1	24	12.59	12.66	12.72	14.30
5	QPSK	12	0	12.73	12.72	12.65	14.30
5	QPSK	12	7	12.73	12.79	12.60	14.30
5	QPSK	12	13	12.76	12.82	12.64	14.30
5	QPSK	25	0	12.65	12.76	12.65	14.30
5	16QAM	1	0	12.77	12.75	12.62	14.30
5	16QAM	1	12	12.76	12.76	12.67	14.30
5	16QAM	1	24	12.77	12.70	12.55	14.30
5	16QAM	12	0	12.72	12.71	12.56	14.30
5	16QAM	12	7	12.64	12.77	12.65	14.30
5	16QAM	12	13	12.63	12.70	12.60	14.30

5	16QAM	25	0	12.79	12.73	12.63	14.30
5	64QAM	1	0	12.65	12.69	12.62	14.30
5	64QAM	1	12	12.74	12.71	12.59	14.30
5	64QAM	1	24	12.64	12.71	12.67	14.30
5	64QAM	12	0	12.75	12.71	12.65	14.30
5	64QAM	12	7	12.69	12.79	12.68	14.30
5	64QAM	12	13	12.68	12.71	12.58	14.30
5	64QAM	25	0	12.74	12.68	12.67	14.30
5	256QAM	1	0	12.71	12.82	12.54	14.30
5	256QAM	1	12	12.70	12.67	12.65	14.30
5	256QAM	1	24	12.77	12.73	12.57	14.30
5	256QAM	12	0	12.62	12.63	12.67	14.30
5	256QAM	12	7	12.63	12.84	12.56	14.30
5	256QAM	12	13	12.71	12.71	12.66	14.30
5	256QAM	25	0	12.69	12.83	12.62	14.30

<LTE Band 42 (27Q) 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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.20	18.21	18.19	19.30	
20		1	49	18.02	18.07	18.01	19.30	
20		1	99	18.00	18.08	17.95	19.30	
20		50	0	18.08	18.10	18.05	19.30	
20		50	24	18.02	18.04	17.92	19.30	
20		50	50	17.94	18.08	18.05	19.30	
20	16QAM	100	0	17.88	17.98	17.95	19.30	
20		1	0	17.90	17.93	17.88	19.30	
20		1	49	17.86	17.93	17.81	19.30	
20		1	99	17.99	18.10	17.99	19.30	
20		50	0	17.95	17.97	17.80	19.30	
20		50	24	17.99	18.07	18.00	19.30	
20	64QAM	50	50	17.84	17.97	17.87	19.30	
20		100	0	17.96	18.10	18.06	19.30	
20		1	0	17.81	17.92	17.87	19.30	
20		1	49	18.01	18.08	17.97	19.30	
20		1	99	17.91	17.93	17.85	19.30	
20		50	0	17.93	18.03	17.93	19.30	
20	256QAM	50	24	17.84	17.98	17.87	19.30	
20		50	50	17.81	17.95	17.92	19.30	
20		100	0	17.95	18.07	18.01	19.30	
20		1	0	17.90	17.99	17.90	19.00	
20		1	49	17.98	18.02	17.87	19.00	
20		1	99	18.00	18.08	17.97	19.00	
20		50	0	17.88	18.01	17.90	19.00	
20		50	24	17.83	17.93	17.77	19.00	
20		50	50	18.04	18.07	17.92	19.00	
20		100	0	17.95	18.04	18.00	19.00	
Channel				42165	42590	43015	Tune-up Limit (dBm)	
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.14	18.14	18.15	19.30	
15		1	37	17.87	18.01	17.95	19.30	
15		1	74	17.97	18.05	17.87	19.30	
15		36	0	18.03	17.98	17.97	19.30	
15		36	20	17.87	17.99	17.90	19.30	
15		36	39	17.89	17.96	17.99	19.30	
15	16QAM	75	0	17.78	17.95	17.94	19.30	
15		1	0	17.86	17.80	17.81	19.30	
15		1	37	17.85	17.82	17.78	19.30	
15		1	74	17.95	18.03	17.86	19.30	
15		36	0	17.94	17.94	17.71	19.30	
15		36	20	17.93	18.03	17.94	19.30	
15	64QAM	36	39	17.80	17.94	17.77	19.30	
15		75	0	17.87	18.02	18.04	19.30	
15		1	0	17.78	17.79	17.77	19.30	
15		1	37	17.92	18.04	17.83	19.30	
15		1	74	17.81	17.82	17.80	19.30	
15		36	0	17.83	17.89	17.85	19.30	
15	256QAM	36	20	17.72	17.92	17.83	19.30	
15		36	39	17.79	17.89	17.87	19.30	
15		75	0	17.82	17.98	17.90	19.30	
15		1	0	17.85	17.95	17.80	19.00	
15		1	37	17.85	17.94	17.74	19.00	
15		1	74	17.85	17.97	17.94	19.00	



15		36	0	17.86	17.95	17.77	19.00	
15		36	20	17.70	17.85	17.62	19.00	
15		36	39	17.92	17.93	17.81	19.00	
15		75	0	17.89	17.93	17.96	19.00	
Channel				42140	42590	43040	Tune-up Limit (dBm)	
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.15	18.11	18.13	19.30	
10		1	25	17.98	18.05	17.93	19.30	
10		1	49	17.90	18.01	17.84	19.30	
10		25	0	18.00	17.97	17.97	19.30	
10		25	12	17.92	17.98	17.78	19.30	
10		25	25	17.81	17.96	17.93	19.30	
10	16QAM	50	0	17.74	17.94	17.93	19.30	
10		1	0	17.86	17.79	17.74	19.30	
10		1	25	17.78	17.78	17.68	19.30	
10		1	49	17.96	18.02	17.91	19.30	
10		25	0	17.84	17.91	17.77	19.30	
10		25	12	17.88	17.95	17.94	19.30	
10	64QAM	25	25	17.76	17.89	17.81	19.30	
10		50	0	17.89	17.97	17.91	19.30	
10		1	0	17.79	17.81	17.84	19.30	
10		1	25	17.88	18.06	17.92	19.30	
10		1	49	17.78	17.79	17.80	19.30	
10		25	0	17.79	17.96	17.78	19.30	
10	256QAM	25	12	17.71	17.88	17.80	19.30	
10		25	25	17.73	17.82	17.79	19.30	
10		50	0	17.84	18.03	18.00	19.30	
10		1	0	17.81	17.84	17.83	19.00	
10		1	25	17.84	17.99	17.73	19.00	
10		1	49	17.98	17.98	17.89	19.00	
10		25	0	17.75	17.90	17.76	19.00	
10		25	12	17.72	17.81	17.75	19.00	
10		25	25	18.01	17.92	17.78	19.00	
10		50	0	17.90	17.95	17.92	19.00	
Channel				42115	42590	43065	Tune-up Limit (dBm)	
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.07	18.17	18.13	19.30	
5		1	12	17.94	18.04	17.98	19.30	
5		1	24	17.92	18.05	17.87	19.30	
5		12	0	18.06	17.97	18.03	19.30	
5		12	7	17.96	17.90	17.83	19.30	
5		12	13	17.85	18.01	18.00	19.30	
5	16QAM	25	0	17.82	17.95	17.86	19.30	
5		1	0	17.85	17.85	17.86	19.30	
5		1	12	17.78	17.83	17.80	19.30	
5		1	24	17.97	18.07	17.93	19.30	
5		12	0	17.87	17.89	17.69	19.30	
5		12	7	17.96	18.00	17.96	19.30	
5	64QAM	12	13	17.75	17.84	17.83	19.30	
5		25	0	17.89	18.03	18.00	19.30	
5		1	0	17.79	17.86	17.79	19.30	
5		1	12	17.90	17.97	17.91	19.30	
5		1	24	17.78	17.90	17.78	19.30	
5		12	0	17.87	17.94	17.79	19.30	
5	256QAM	12	7	17.70	17.93	17.75	19.30	
5		12	13	17.67	17.90	17.79	19.30	
5		25	0	17.86	18.06	17.99	19.30	
5		1	0	17.78	17.97	17.75	19.00	
5		1	12	17.84	17.99	17.73	19.00	
5		1	24	17.93	17.96	17.88	19.00	
5		12	0	17.75	17.94	17.79	19.00	
5		12	7	17.69	17.82	17.73	19.00	
5		12	13	17.94	18.01	17.85	19.00	
5		25	0	17.90	17.97	17.90	19.00	

<LTE Band 42 (96) 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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	18.12	18.17	18.13	19.30
20		1	49	17.89	18.01	17.82	19.30
20		1	99	17.84	17.91	17.76	19.30
20		50	0	18.02	18.08	18.00	19.30
20		50	24	17.93	18.08	17.92	19.30
20		50	50	17.92	18.01	17.95	19.30
20		100	0	17.88	17.91	17.84	19.30



20	16QAM	1	0	17.77	17.96	17.88	19.30	
20		1	49	17.81	17.97	17.87	19.30	
20		1	99	17.91	18.07	17.94	19.30	
20		50	0	17.92	18.03	17.85	19.30	
20		50	24	17.77	17.92	17.83	19.30	
20		50	50	17.80	17.87	17.82	19.30	
20		100	0	17.85	18.02	17.95	19.30	
20	64QAM	1	0	17.96	18.06	17.99	19.30	
20		1	49	17.89	18.05	17.96	19.30	
20		1	99	17.95	18.08	17.99	19.30	
20		50	0	17.73	17.91	17.83	19.30	
20		50	24	17.96	18.03	17.93	19.30	
20		50	50	17.87	17.96	17.91	19.30	
20		100	0	17.92	17.99	17.85	19.30	
20	256QAM	1	0	17.95	18.04	17.86	19.00	
20		1	49	17.73	17.92	17.84	19.00	
20		1	99	17.86	17.94	17.77	19.00	
20		50	0	17.78	17.89	17.71	19.00	
20		50	24	17.88	17.95	17.80	19.00	
20		50	50	17.89	18.00	17.87	19.00	
20		100	0	17.90	18.05	17.88	19.00	
Channel				43165	43340	43515	Tune-up Limit (dBm)	
Frequency (MHz)				3557.5	3575	3592.5		
15	QPSK	1	0	18.05	18.03	18.09	19.30	
15		1	37	17.78	17.95	17.74	19.30	
15		1	74	17.80	17.77	17.73	19.30	
15		36	0	18.00	18.04	17.92	19.30	
15		36	20	17.82	17.96	17.84	19.30	
15		36	39	17.80	17.87	17.93	19.30	
15	16QAM	75	0	17.73	17.86	17.71	19.30	
15		1	0	17.64	17.82	17.86	19.30	
15		1	37	17.69	17.90	17.81	19.30	
15		1	74	17.87	18.04	17.93	19.30	
15		36	0	17.82	17.95	17.80	19.30	
15		36	20	17.62	17.82	17.68	19.30	
15	64QAM	36	39	17.76	17.74	17.78	19.30	
15		75	0	17.74	17.89	17.81	19.30	
15		1	0	17.86	18.05	17.89	19.30	
15		1	37	17.78	17.94	17.84	19.30	
15		1	74	17.93	18.02	17.87	19.30	
15		36	0	17.72	17.87	17.79	19.30	
15	256QAM	36	20	17.93	17.88	17.84	19.30	
15		36	39	17.75	17.91	17.83	19.30	
15		75	0	17.89	17.98	17.78	19.30	
15		1	0	17.85	18.00	17.83	19.00	
15		1	37	17.69	17.88	17.76	19.00	
15		1	74	17.80	17.84	17.73	19.00	
15		36	0	17.66	17.75	17.68	19.00	
15		36	20	17.76	17.93	17.78	19.00	
15		36	39	17.86	17.89	17.72	19.00	
15		75	0	17.89	17.93	17.74	19.00	
Channel				43140	43340	43540	Tune-up Limit (dBm)	
Frequency (MHz)				3555	3575	3595		
10	QPSK	1	0	18.07	18.10	18.10	19.30	
10		1	25	17.75	17.91	17.71	19.30	
10		1	49	17.79	17.83	17.65	19.30	
10		25	0	17.93	17.99	17.85	19.30	
10		25	12	17.81	18.01	17.84	19.30	
10		25	25	17.91	17.95	17.93	19.30	
10	16QAM	50	0	17.77	17.81	17.82	19.30	
10		1	0	17.65	17.87	17.73	19.30	
10		1	25	17.75	17.88	17.83	19.30	
10		1	49	17.85	18.06	17.90	19.30	
10		25	0	17.78	18.01	17.72	19.30	
10		25	12	17.65	17.89	17.70	19.30	
10	64QAM	25	25	17.73	17.81	17.70	19.30	
10		50	0	17.72	17.98	17.93	19.30	
10		1	0	17.88	17.98	17.95	19.30	
10		1	25	17.77	17.98	17.93	19.30	
10		1	49	17.81	17.96	17.91	19.30	
10		25	0	17.64	17.87	17.79	19.30	
10	256QAM	25	12	17.92	18.01	17.91	19.30	
10		25	25	17.77	17.87	17.80	19.30	
10		50	0	17.88	17.96	17.74	19.30	
10		1	0	17.85	18.02	17.84	19.00	
10		1	25	17.69	17.84	17.78	19.00	
10		1	49	17.82	17.92	17.63	19.00	
10		25	0	17.73	17.75	17.57	19.00	



10		25	12	17.81	17.90	17.76	19.00
10		25	25	17.79	17.97	17.72	19.00
10		50	0	17.88	18.01	17.77	19.00
Channel				43115	43340	43565	Tune-up Limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	17.97	18.02	18.07	19.30
5		1	12	17.77	17.93	17.74	19.30
5		1	24	17.76	17.82	17.68	19.30
5		12	0	17.95	18.02	17.98	19.30
5		12	7	17.78	18.03	17.87	19.30
5		12	13	17.82	17.99	17.94	19.30
5	16QAM	25	0	17.76	17.77	17.76	19.30
5		1	0	17.69	17.92	17.85	19.30
5		1	12	17.77	17.94	17.75	19.30
5		1	24	17.86	17.97	17.86	19.30
5		12	0	17.84	17.88	17.80	19.30
5		12	7	17.72	17.86	17.73	19.30
5	64QAM	12	13	17.69	17.79	17.71	19.30
5		25	0	17.79	17.96	17.90	19.30
5		1	0	17.85	18.01	17.89	19.30
5		1	12	17.85	17.91	17.92	19.30
5		1	24	17.81	17.94	17.87	19.30
5		12	0	17.64	17.88	17.68	19.30
5	256QAM	12	7	17.88	17.91	17.91	19.30
5		12	13	17.73	17.83	17.87	19.30
5		25	0	17.81	17.91	17.78	19.30
5		1	0	17.81	17.98	17.73	19.00
5		1	12	17.69	17.82	17.79	19.00
5		1	24	17.79	17.89	17.70	19.00
5		12	0	17.73	17.80	17.64	19.00
5		12	7	17.73	17.81	17.67	19.00
5		12	13	17.75	17.85	17.78	19.00
5		25	0	17.84	17.91	17.77	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_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				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.11	23.25	23.17	24.00
20	QPSK	1	49	22.84	23.00	22.79	24.00
20	QPSK	1	99	22.74	22.93	22.76	24.00
20	QPSK	50	0	22.15	22.19	22.11	23.00
20	QPSK	50	24	21.77	22.04	21.86	23.00
20	QPSK	50	50	21.88	22.04	21.82	23.00
20	QPSK	100	0	21.91	22.14	21.92	23.00
20	16QAM	1	0	21.88	22.10	21.88	23.00
20	16QAM	1	49	21.94	22.15	22.05	23.00
20	16QAM	1	99	21.80	22.08	21.91	23.00
20	16QAM	50	0	20.86	21.08	20.98	22.00
20	16QAM	50	24	20.96	21.10	20.93	22.00
20	16QAM	50	50	20.97	21.13	20.92	22.00
20	16QAM	100	0	21.04	21.21	21.10	22.00
20	64QAM	1	0	20.91	21.08	20.99	22.00
20	64QAM	1	49	20.90	21.06	20.87	22.00
20	64QAM	1	99	20.88	21.10	20.98	22.00
20	64QAM	50	0	19.86	20.12	19.98	21.00
20	64QAM	50	24	19.99	20.13	20.02	21.00
20	64QAM	50	50	19.90	20.06	19.95	21.00
20	64QAM	100	0	19.98	20.13	19.98	21.00
20	256QAM	1	0	17.95	18.16	18.08	19.00
20	256QAM	1	49	18.01	18.20	18.09	19.00
20	256QAM	1	99	17.93	18.07	17.86	19.00
20	256QAM	50	0	17.98	18.19	18.08	19.00
20	256QAM	50	24	18.02	18.17	18.06	19.00
20	256QAM	50	50	18.01	18.26	18.17	19.00



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20	256QAM	100	0	17.88	18.04	17.84	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	23.09	23.22	23.09	24.00
15	QPSK	1	37	22.82	22.90	22.71	24.00
15	QPSK	1	74	22.59	22.84	22.70	24.00
15	QPSK	36	0	22.04	22.07	22.04	23.00
15	QPSK	36	20	21.69	21.95	21.81	23.00
15	QPSK	36	39	21.78	21.98	21.70	23.00
15	QPSK	75	0	21.81	22.03	21.88	23.00
15	16QAM	1	0	21.77	22.06	21.74	23.00
15	16QAM	1	37	21.84	22.02	22.02	23.00
15	16QAM	1	74	21.65	22.01	21.77	23.00
15	16QAM	36	0	20.83	21.02	20.85	22.00
15	16QAM	36	20	20.91	21.06	20.83	22.00
15	16QAM	36	39	20.84	21.02	20.88	22.00
15	16QAM	75	0	21.01	21.13	21.00	22.00
15	64QAM	1	0	20.83	21.06	20.96	22.00
15	64QAM	1	37	20.78	21.00	20.78	22.00
15	64QAM	1	74	20.84	20.97	20.93	22.00
15	64QAM	36	0	19.77	20.01	19.96	21.00
15	64QAM	36	20	19.94	20.11	19.89	21.00
15	64QAM	36	39	19.78	19.98	19.87	21.00
15	64QAM	75	0	19.91	20.01	19.84	21.00
15	256QAM	1	0	17.88	18.12	17.94	19.00
15	256QAM	1	37	17.96	18.17	17.99	19.00
15	256QAM	1	74	17.82	17.96	17.75	19.00
15	256QAM	36	0	17.89	18.10	18.03	19.00
15	256QAM	36	20	17.92	18.05	18.03	19.00
15	256QAM	36	39	17.99	18.14	18.02	19.00
15	256QAM	75	0	17.75	17.98	17.78	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	22.97	23.17	23.12	24.00
10	QPSK	1	25	22.72	22.98	22.64	24.00
10	QPSK	1	49	22.65	22.88	22.73	24.00
10	QPSK	25	0	22.12	22.14	21.99	23.00
10	QPSK	25	12	21.66	22.00	21.75	23.00
10	QPSK	25	25	21.82	21.97	21.70	23.00
10	QPSK	50	0	21.87	22.09	21.86	23.00
10	16QAM	1	0	21.83	22.07	21.76	23.00
10	16QAM	1	25	21.89	22.03	22.01	23.00
10	16QAM	1	49	21.74	22.05	21.85	23.00
10	16QAM	25	0	20.77	20.93	20.89	22.00
10	16QAM	25	12	20.92	20.98	20.79	22.00
10	16QAM	25	25	20.83	20.99	20.84	22.00
10	16QAM	50	0	20.99	21.13	21.06	22.00
10	64QAM	1	0	20.76	21.07	20.94	22.00
10	64QAM	1	25	20.86	20.98	20.85	22.00
10	64QAM	1	49	20.78	20.99	20.91	22.00
10	64QAM	25	0	19.72	20.11	19.84	21.00
10	64QAM	25	12	19.89	20.07	19.93	21.00
10	64QAM	25	25	19.79	19.97	19.92	21.00
10	64QAM	50	0	19.90	20.07	19.84	21.00
10	256QAM	1	0	17.88	18.14	17.96	19.00
10	256QAM	1	25	17.87	18.18	17.94	19.00
10	256QAM	1	49	17.87	17.98	17.81	19.00
10	256QAM	25	0	17.90	18.16	18.05	19.00
10	256QAM	25	12	17.97	18.05	17.93	19.00
10	256QAM	25	25	17.96	18.18	18.08	19.00
10	256QAM	50	0	17.86	18.03	17.82	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	23.04	23.16	23.06	24.00
5	QPSK	1	12	22.80	22.86	22.71	24.00
5	QPSK	1	24	22.61	22.85	22.71	24.00
5	QPSK	12	0	22.03	22.06	22.00	23.00
5	QPSK	12	7	21.69	21.91	21.81	23.00
5	QPSK	12	13	21.87	21.92	21.77	23.00
5	QPSK	25	0	21.83	22.12	21.89	23.00
5	16QAM	1	0	21.80	22.08	21.75	23.00
5	16QAM	1	12	21.90	22.11	21.90	23.00
5	16QAM	1	24	21.72	22.05	21.78	23.00
5	16QAM	12	0	20.76	20.95	20.86	22.00
5	16QAM	12	7	20.87	21.00	20.82	22.00
5	16QAM	12	13	20.90	21.11	20.83	22.00
5	16QAM	25	0	20.94	21.20	21.07	22.00
5	64QAM	1	0	20.76	20.95	20.90	22.00



5	64QAM	1	12	20.88	21.01	20.80	22.00
5	64QAM	1	24	20.74	20.95	20.94	22.00
5	64QAM	12	0	19.73	20.01	19.94	21.00
5	64QAM	12	7	19.91	20.01	19.91	21.00
5	64QAM	12	13	19.87	20.01	19.80	21.00
5	64QAM	25	0	19.87	20.02	19.83	21.00
5	256QAM	1	0	17.90	18.03	18.06	19.00
5	256QAM	1	12	17.97	18.15	17.96	19.00
5	256QAM	1	24	17.85	17.99	17.76	19.00
5	256QAM	12	0	17.85	18.11	18.03	19.00
5	256QAM	12	7	17.88	18.03	17.93	19.00
5	256QAM	12	13	17.91	18.24	18.08	19.00
5	256QAM	25	0	17.73	17.92	17.73	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_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				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	23.11	23.15	23.05	24.00
20	QPSK	1	49	22.83	22.98	22.82	24.00
20	QPSK	1	99	22.75	22.84	22.63	24.00
20	QPSK	50	0	22.16	22.19	22.11	23.00
20	QPSK	50	24	21.95	22.09	21.89	23.00
20	QPSK	50	50	22.03	22.12	21.98	23.00
20	QPSK	100	0	22.07	22.14	21.97	23.00
20	16QAM	1	0	21.90	22.08	21.95	23.00
20	16QAM	1	49	21.85	21.98	21.82	23.00
20	16QAM	1	99	21.94	22.10	21.90	23.00
20	16QAM	50	0	21.06	21.14	21.03	22.00
20	16QAM	50	24	20.94	21.02	20.78	22.00
20	16QAM	50	50	21.02	21.09	20.85	22.00
20	16QAM	100	0	20.84	20.95	20.76	22.00
20	64QAM	1	0	21.00	21.12	20.90	22.00
20	64QAM	1	49	20.93	21.04	20.86	22.00
20	64QAM	1	99	20.91	21.06	20.94	22.00
20	64QAM	50	0	20.01	20.09	19.96	21.00
20	64QAM	50	24	20.05	20.11	19.96	21.00
20	64QAM	50	50	19.93	20.05	19.88	21.00
20	64QAM	100	0	20.03	20.12	19.89	21.00
20	256QAM	1	0	17.83	17.97	17.84	19.00
20	256QAM	1	49	17.83	17.95	17.81	19.00
20	256QAM	1	99	17.99	18.06	17.97	19.00
20	256QAM	50	0	17.87	17.95	17.83	19.00
20	256QAM	50	24	18.00	18.12	18.00	19.00
20	256QAM	50	50	17.98	18.13	17.98	19.00
20	256QAM	100	0	17.85	17.94	17.78	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	23.05	23.07	22.93	24.00
15	QPSK	1	37	22.80	22.91	22.70	24.00
15	QPSK	1	74	22.67	22.80	22.50	24.00
15	QPSK	36	0	22.05	22.07	22.00	23.00
15	QPSK	36	20	21.88	21.97	21.86	23.00
15	QPSK	36	39	21.92	22.09	21.95	23.00
15	QPSK	75	0	22.05	22.06	21.88	23.00
15	16QAM	1	0	21.85	21.93	21.85	23.00
15	16QAM	1	37	21.75	21.90	21.68	23.00
15	16QAM	1	74	21.82	21.97	21.88	23.00
15	16QAM	36	0	21.02	21.09	20.99	22.00
15	16QAM	36	20	20.84	20.89	20.65	22.00
15	16QAM	36	39	20.99	21.01	20.72	22.00
15	16QAM	75	0	20.70	20.85	20.62	22.00
15	64QAM	1	0	20.95	21.03	20.82	22.00
15	64QAM	1	37	20.89	20.93	20.80	22.00
15	64QAM	1	74	20.85	20.96	20.81	22.00
15	64QAM	36	0	19.99	20.02	19.86	21.00
15	64QAM	36	20	20.00	20.05	19.82	21.00
15	64QAM	36	39	19.85	19.96	19.86	21.00
15	64QAM	75	0	19.95	20.02	19.82	21.00
15	256QAM	1	0	17.73	17.94	17.79	19.00
15	256QAM	1	37	17.68	17.85	17.71	19.00



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15	256QAM	1	74	17.89	17.99	17.87	19.00
15	256QAM	36	0	17.85	17.81	17.82	19.00
15	256QAM	36	20	17.97	18.03	17.98	19.00
15	256QAM	36	39	17.92	18.11	17.92	19.00
15	256QAM	75	0	17.73	17.81	17.73	19.00
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	23.00	23.04	22.92	24.00
10	QPSK	1	25	22.75	22.94	22.78	24.00
10	QPSK	1	49	22.72	22.73	22.51	24.00
10	QPSK	25	0	22.08	22.11	22.05	23.00
10	QPSK	25	12	21.93	22.03	21.75	23.00
10	QPSK	25	25	21.97	22.07	21.89	23.00
10	QPSK	50	0	21.98	22.01	21.94	23.00
10	16QAM	1	0	21.81	22.05	21.85	23.00
10	16QAM	1	25	21.75	21.88	21.77	23.00
10	16QAM	1	49	21.92	21.96	21.87	23.00
10	16QAM	25	0	20.94	21.09	20.91	22.00
10	16QAM	25	12	20.92	20.94	20.75	22.00
10	16QAM	25	25	20.91	21.03	20.70	22.00
10	16QAM	50	0	20.74	20.80	20.67	22.00
10	64QAM	1	0	20.97	21.03	20.78	22.00
10	64QAM	1	25	20.90	20.92	20.76	22.00
10	64QAM	1	49	20.77	20.98	20.88	22.00
10	64QAM	25	0	19.97	20.05	19.86	21.00
10	64QAM	25	12	20.00	20.08	19.86	21.00
10	64QAM	25	25	19.89	19.91	19.76	21.00
10	64QAM	50	0	19.88	20.09	19.77	21.00
10	256QAM	1	0	17.72	17.91	17.83	19.00
10	256QAM	1	25	17.74	17.88	17.68	19.00
10	256QAM	1	49	17.93	17.96	17.94	19.00
10	256QAM	25	0	17.83	17.89	17.73	19.00
10	256QAM	25	12	17.86	17.99	17.96	19.00
10	256QAM	25	25	17.96	18.06	17.96	19.00
10	256QAM	50	0	17.75	17.86	17.68	19.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	23.05	23.13	22.91	24.00
5	QPSK	1	12	22.81	22.90	22.75	24.00
5	QPSK	1	24	22.61	22.78	22.58	24.00
5	QPSK	12	0	22.09	22.11	22.00	23.00
5	QPSK	12	7	21.83	21.96	21.87	23.00
5	QPSK	12	13	21.97	22.03	21.89	23.00
5	QPSK	25	0	22.06	22.11	21.92	23.00
5	16QAM	1	0	21.84	21.94	21.94	23.00
5	16QAM	1	12	21.76	21.97	21.70	23.00
5	16QAM	1	24	21.79	21.99	21.75	23.00
5	16QAM	12	0	20.95	21.05	21.02	22.00
5	16QAM	12	7	20.88	20.88	20.74	22.00
5	16QAM	12	13	20.89	20.98	20.79	22.00
5	16QAM	25	0	20.79	20.84	20.66	22.00
5	64QAM	1	0	20.90	21.05	20.77	22.00
5	64QAM	1	12	20.91	21.03	20.75	22.00
5	64QAM	1	24	20.85	20.93	20.80	22.00
5	64QAM	12	0	19.99	19.99	19.91	21.00
5	64QAM	12	7	20.00	19.98	19.91	21.00
5	64QAM	12	13	19.86	20.00	19.80	21.00
5	64QAM	25	0	19.99	20.08	19.80	21.00
5	256QAM	1	0	17.80	17.90	17.83	19.00
5	256QAM	1	12	17.81	17.81	17.71	19.00
5	256QAM	1	24	17.90	17.92	17.91	19.00
5	256QAM	12	0	17.80	17.83	17.77	19.00
5	256QAM	12	7	17.93	18.01	17.93	19.00
5	256QAM	12	13	17.95	18.07	17.92	19.00
5	256QAM	25	0	17.74	17.82	17.67	19.00

【LTE Band 43 (96) _FCC_Part 96 (3600~3700MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	20.64	20.79	20.71	22.00



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20	QPSK	1	49	20.26	20.48	20.34	22.00
20	QPSK	1	99	20.43	20.66	20.49	22.00
20	QPSK	50	0	19.65	19.73	19.68	21.00
20	QPSK	50	24	19.45	19.69	19.55	21.00
20	QPSK	50	50	19.29	19.58	19.45	21.00
20	QPSK	100	0	19.42	19.71	19.51	21.00
20	16QAM	1	0	19.38	19.63	19.51	21.00
20	16QAM	1	49	19.35	19.60	19.51	21.00
20	16QAM	1	99	19.45	19.62	19.45	21.00
20	16QAM	50	0	18.50	18.76	18.64	20.00
20	16QAM	50	24	18.31	18.59	18.40	20.00
20	16QAM	50	50	18.61	18.78	18.64	20.00
20	16QAM	100	0	18.61	18.79	18.70	20.00
20	64QAM	1	0	18.49	18.69	18.48	20.00
20	64QAM	1	49	18.59	18.80	18.58	20.00
20	64QAM	1	99	18.42	18.59	18.43	20.00
20	64QAM	50	0	17.50	17.68	17.51	19.00
20	64QAM	50	24	17.59	17.75	17.67	19.00
20	64QAM	50	50	17.51	17.67	17.58	19.00
20	64QAM	100	0	17.50	17.69	17.51	19.00
20	256QAM	1	0	15.45	15.70	15.56	17.00
20	256QAM	1	49	15.56	15.81	15.64	17.00
20	256QAM	1	99	15.53	15.67	15.52	17.00
20	256QAM	50	0	15.50	15.71	15.55	17.00
20	256QAM	50	24	15.61	15.74	15.64	17.00
20	256QAM	50	50	15.61	15.79	15.67	17.00
20	256QAM	100	0	15.48	15.68	15.56	17.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	20.51	20.75	20.56	22.00
15	QPSK	1	37	20.20	20.47	20.24	22.00
15	QPSK	1	74	20.42	20.60	20.41	22.00
15	QPSK	36	0	19.61	19.63	19.66	21.00
15	QPSK	36	20	19.36	19.61	19.45	21.00
15	QPSK	36	39	19.24	19.48	19.37	21.00
15	QPSK	75	0	19.36	19.62	19.44	21.00
15	16QAM	1	0	19.24	19.57	19.39	21.00
15	16QAM	1	37	19.24	19.53	19.48	21.00
15	16QAM	1	74	19.40	19.47	19.43	21.00
15	16QAM	36	0	18.38	18.66	18.58	20.00
15	16QAM	36	20	18.29	18.46	18.29	20.00
15	16QAM	36	39	18.60	18.64	18.61	20.00
15	16QAM	75	0	18.51	18.71	18.56	20.00
15	64QAM	1	0	18.45	18.61	18.45	20.00
15	64QAM	1	37	18.45	18.76	18.56	20.00
15	64QAM	1	74	18.34	18.49	18.37	20.00
15	64QAM	36	0	17.41	17.61	17.40	19.00
15	64QAM	36	20	17.47	17.68	17.59	19.00
15	64QAM	36	39	17.45	17.60	17.53	19.00
15	64QAM	75	0	17.46	17.62	17.41	19.00
15	256QAM	1	0	15.41	15.68	15.41	17.00
15	256QAM	1	37	15.51	15.71	15.51	17.00
15	256QAM	1	74	15.39	15.60	15.41	17.00
15	256QAM	36	0	15.44	15.66	15.44	17.00
15	256QAM	36	20	15.47	15.66	15.52	17.00
15	256QAM	36	39	15.60	15.65	15.56	17.00
15	256QAM	75	0	15.39	15.63	15.53	17.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	20.54	20.71	20.64	22.00
10	QPSK	1	25	20.18	20.44	20.28	22.00
10	QPSK	1	49	20.41	20.52	20.43	22.00
10	QPSK	25	0	19.53	19.59	19.67	21.00
10	QPSK	25	12	19.36	19.65	19.46	21.00
10	QPSK	25	25	19.18	19.44	19.33	21.00
10	QPSK	50	0	19.33	19.66	19.49	21.00
10	16QAM	1	0	19.26	19.50	19.50	21.00
10	16QAM	1	25	19.21	19.45	19.41	21.00
10	16QAM	1	49	19.33	19.61	19.35	21.00
10	16QAM	25	0	18.39	18.62	18.58	20.00
10	16QAM	25	12	18.28	18.45	18.26	20.00
10	16QAM	25	25	18.52	18.75	18.52	20.00
10	16QAM	50	0	18.46	18.68	18.57	20.00
10	64QAM	1	0	18.48	18.65	18.38	20.00
10	64QAM	1	25	18.50	18.73	18.45	20.00
10	64QAM	1	49	18.32	18.57	18.34	20.00
10	64QAM	25	0	17.42	17.63	17.37	19.00
10	64QAM	25	12	17.50	17.65	17.60	19.00



10	64QAM	25	25	17.39	17.63	17.56	19.00
10	64QAM	50	0	17.48	17.64	17.36	19.00
10	256QAM	1	0	15.39	15.56	15.49	17.00
10	256QAM	1	25	15.49	15.77	15.59	17.00
10	256QAM	1	49	15.46	15.64	15.41	17.00
10	256QAM	25	0	15.45	15.63	15.50	17.00
10	256QAM	25	12	15.54	15.70	15.57	17.00
10	256QAM	25	25	15.59	15.77	15.61	17.00
10	256QAM	50	0	15.44	15.67	15.42	17.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	20.58	20.68	20.65	22.00
5	QPSK	1	12	20.20	20.36	20.30	22.00
5	QPSK	1	24	20.28	20.52	20.36	22.00
5	QPSK	12	0	19.58	19.60	19.65	21.00
5	QPSK	12	7	19.34	19.55	19.43	21.00
5	QPSK	12	13	19.27	19.46	19.33	21.00
5	QPSK	25	0	19.31	19.63	19.50	21.00
5	16QAM	1	0	19.24	19.58	19.44	21.00
5	16QAM	1	12	19.21	19.52	19.39	21.00
5	16QAM	1	24	19.38	19.55	19.44	21.00
5	16QAM	12	0	18.40	18.74	18.55	20.00
5	16QAM	12	7	18.17	18.46	18.31	20.00
5	16QAM	12	13	18.58	18.69	18.52	20.00
5	16QAM	25	0	18.51	18.74	18.60	20.00
5	64QAM	1	0	18.36	18.59	18.35	20.00
5	64QAM	1	12	18.55	18.67	18.57	20.00
5	64QAM	1	24	18.36	18.48	18.37	20.00
5	64QAM	12	0	17.38	17.53	17.38	19.00
5	64QAM	12	7	17.52	17.66	17.62	19.00
5	64QAM	12	13	17.42	17.57	17.54	19.00
5	64QAM	25	0	17.46	17.57	17.46	19.00
5	256QAM	1	0	15.35	15.56	15.51	17.00
5	256QAM	1	12	15.54	15.74	15.62	17.00
5	256QAM	1	24	15.40	15.58	15.43	17.00
5	256QAM	12	0	15.43	15.65	15.42	17.00
5	256QAM	12	7	15.55	15.62	15.50	17.00
5	256QAM	12	13	15.50	15.66	15.53	17.00
5	256QAM	25	0	15.40	15.59	15.54	17.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	20.64	20.79	20.71	22.00
20	QPSK	1	49	20.26	20.48	20.34	22.00
20	QPSK	1	99	20.43	20.66	20.49	22.00
20	QPSK	50	0	19.65	19.73	19.68	21.00
20	QPSK	50	24	19.45	19.69	19.55	21.00
20	QPSK	50	50	19.29	19.58	19.45	21.00
20	QPSK	100	0	19.42	19.71	19.51	21.00
20	16QAM	1	0	19.38	19.63	19.51	21.00
20	16QAM	1	49	19.35	19.60	19.51	21.00
20	16QAM	1	99	19.45	19.62	19.45	21.00
20	16QAM	50	0	18.50	18.76	18.64	20.00
20	16QAM	50	24	18.31	18.59	18.40	20.00
20	16QAM	50	50	18.61	18.78	18.64	20.00
20	16QAM	100	0	18.61	18.79	18.70	20.00
20	64QAM	1	0	18.49	18.69	18.48	20.00
20	64QAM	1	49	18.59	18.80	18.58	20.00
20	64QAM	1	99	18.42	18.59	18.43	20.00
20	64QAM	50	0	17.50	17.68	17.51	19.00
20	64QAM	50	24	17.59	17.75	17.67	19.00
20	64QAM	50	50	17.51	17.67	17.58	19.00
20	64QAM	100	0	17.50	17.69	17.51	19.00
20	256QAM	1	0	15.45	15.70	15.56	17.00
20	256QAM	1	49	15.56	15.81	15.64	17.00
20	256QAM	1	99	15.53	15.67	15.52	17.00
20	256QAM	50	0	15.50	15.71	15.55	17.00
20	256QAM	50	24	15.61	15.74	15.64	17.00
20	256QAM	50	50	15.61	15.79	15.67	17.00



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20	256QAM	100	0	15.48	15.68	15.56	17.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	20.51	20.75	20.56	22.00
15	QPSK	1	37	20.20	20.47	20.24	22.00
15	QPSK	1	74	20.42	20.60	20.41	22.00
15	QPSK	36	0	19.61	19.63	19.66	21.00
15	QPSK	36	20	19.36	19.61	19.45	21.00
15	QPSK	36	39	19.24	19.48	19.37	21.00
15	QPSK	75	0	19.36	19.62	19.44	21.00
15	16QAM	1	0	19.24	19.57	19.39	21.00
15	16QAM	1	37	19.24	19.53	19.48	21.00
15	16QAM	1	74	19.40	19.47	19.43	21.00
15	16QAM	36	0	18.38	18.66	18.58	20.00
15	16QAM	36	20	18.29	18.46	18.29	20.00
15	16QAM	36	39	18.60	18.64	18.61	20.00
15	16QAM	75	0	18.51	18.71	18.56	20.00
15	64QAM	1	0	18.45	18.61	18.45	20.00
15	64QAM	1	37	18.45	18.76	18.56	20.00
15	64QAM	1	74	18.34	18.49	18.37	20.00
15	64QAM	36	0	17.41	17.61	17.40	19.00
15	64QAM	36	20	17.47	17.68	17.59	19.00
15	64QAM	36	39	17.45	17.60	17.53	19.00
15	64QAM	75	0	17.46	17.62	17.41	19.00
15	256QAM	1	0	15.41	15.68	15.41	17.00
15	256QAM	1	37	15.51	15.71	15.51	17.00
15	256QAM	1	74	15.39	15.60	15.41	17.00
15	256QAM	36	0	15.44	15.66	15.44	17.00
15	256QAM	36	20	15.47	15.66	15.52	17.00
15	256QAM	36	39	15.60	15.65	15.56	17.00
15	256QAM	75	0	15.39	15.63	15.53	17.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	20.54	20.71	20.64	22.00
10	QPSK	1	25	20.18	20.44	20.28	22.00
10	QPSK	1	49	20.41	20.52	20.43	22.00
10	QPSK	25	0	19.53	19.59	19.67	21.00
10	QPSK	25	12	19.36	19.65	19.46	21.00
10	QPSK	25	25	19.18	19.44	19.33	21.00
10	QPSK	50	0	19.33	19.66	19.49	21.00
10	16QAM	1	0	19.26	19.50	19.50	21.00
10	16QAM	1	25	19.21	19.45	19.41	21.00
10	16QAM	1	49	19.33	19.61	19.35	21.00
10	16QAM	25	0	18.39	18.62	18.58	20.00
10	16QAM	25	12	18.28	18.45	18.26	20.00
10	16QAM	25	25	18.52	18.75	18.52	20.00
10	16QAM	50	0	18.46	18.68	18.57	20.00
10	64QAM	1	0	18.48	18.65	18.38	20.00
10	64QAM	1	25	18.50	18.73	18.45	20.00
10	64QAM	1	49	18.32	18.57	18.34	20.00
10	64QAM	25	0	17.42	17.63	17.37	19.00
10	64QAM	25	12	17.50	17.65	17.60	19.00
10	64QAM	25	25	17.39	17.63	17.56	19.00
10	64QAM	50	0	17.48	17.64	17.36	19.00
10	256QAM	1	0	15.39	15.56	15.49	17.00
10	256QAM	1	25	15.49	15.77	15.59	17.00
10	256QAM	1	49	15.46	15.64	15.41	17.00
10	256QAM	25	0	15.45	15.63	15.50	17.00
10	256QAM	25	12	15.54	15.70	15.57	17.00
10	256QAM	25	25	15.59	15.77	15.61	17.00
10	256QAM	50	0	15.44	15.67	15.42	17.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	20.58	20.68	20.65	22.00
5	QPSK	1	12	20.20	20.36	20.30	22.00
5	QPSK	1	24	20.28	20.52	20.36	22.00
5	QPSK	12	0	19.58	19.60	19.65	21.00
5	QPSK	12	7	19.34	19.55	19.43	21.00
5	QPSK	12	13	19.27	19.46	19.33	21.00
5	QPSK	25	0	19.31	19.63	19.50	21.00
5	16QAM	1	0	19.24	19.58	19.44	21.00
5	16QAM	1	12	19.21	19.52	19.39	21.00
5	16QAM	1	24	19.38	19.55	19.44	21.00
5	16QAM	12	0	18.40	18.74	18.55	20.00
5	16QAM	12	7	18.17	18.46	18.31	20.00
5	16QAM	12	13	18.58	18.69	18.52	20.00
5	16QAM	25	0	18.51	18.74	18.60	20.00
5	64QAM	1	0	18.36	18.59	18.35	20.00



5	64QAM	1	12	18.55	18.67	18.57	20.00
5	64QAM	1	24	18.36	18.48	18.37	20.00
5	64QAM	12	0	17.38	17.53	17.38	19.00
5	64QAM	12	7	17.52	17.66	17.62	19.00
5	64QAM	12	13	17.42	17.57	17.54	19.00
5	64QAM	25	0	17.46	17.57	17.46	19.00
5	256QAM	1	0	15.35	15.56	15.51	17.00
5	256QAM	1	12	15.54	15.74	15.62	17.00
5	256QAM	1	24	15.40	15.58	15.43	17.00
5	256QAM	12	0	15.43	15.65	15.42	17.00
5	256QAM	12	7	15.55	15.62	15.50	17.00
5	256QAM	12	13	15.50	15.66	15.53	17.00
5	256QAM	25	0	15.40	15.59	15.54	17.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.85	18.95	18.87	20.00
20	QPSK	1	49	18.46	18.68	18.49	20.00
20	QPSK	1	99	18.65	18.78	18.60	20.00
20	QPSK	50	0	18.79	18.82	18.72	20.00
20	QPSK	50	24	18.57	18.73	18.54	20.00
20	QPSK	50	50	18.48	18.69	18.49	20.00
20	QPSK	100	0	18.82	18.84	18.80	20.00
20	16QAM	1	0	18.52	18.68	18.58	20.00
20	16QAM	1	49	18.57	18.71	18.54	20.00
20	16QAM	1	99	18.52	18.75	18.54	20.00
20	16QAM	50	0	18.57	18.79	18.65	20.00
20	16QAM	50	24	18.59	18.77	18.62	20.00
20	16QAM	50	50	18.54	18.78	18.57	20.00
20	16QAM	100	0	18.58	18.77	18.61	20.00
20	64QAM	1	0	18.64	18.77	18.59	20.00
20	64QAM	1	49	18.67	18.78	18.66	20.00
20	64QAM	1	99	18.45	18.69	18.48	20.00
20	64QAM	50	0	17.57	17.70	17.57	19.00
20	64QAM	50	24	17.63	17.77	17.65	19.00
20	64QAM	50	50	17.51	17.73	17.59	19.00
20	64QAM	100	0	17.59	17.81	17.59	19.00
20	256QAM	1	0	15.66	15.80	15.62	17.00
20	256QAM	1	49	15.53	15.73	15.63	17.00
20	256QAM	1	99	15.58	15.71	15.59	17.00
20	256QAM	50	0	15.59	15.76	15.63	17.00
20	256QAM	50	24	15.56	15.67	15.58	17.00
20	256QAM	50	50	15.53	15.69	15.51	17.00
20	256QAM	100	0	15.51	15.71	15.57	17.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	18.81	18.83	18.79	20.00
15	QPSK	1	37	18.44	18.53	18.45	20.00
15	QPSK	1	74	18.54	18.67	18.48	20.00
15	QPSK	36	0	18.67	18.76	18.58	20.00
15	QPSK	36	20	18.46	18.65	18.52	20.00
15	QPSK	36	39	18.42	18.63	18.46	20.00
15	QPSK	75	0	18.70	18.81	18.67	20.00
15	16QAM	1	0	18.41	18.62	18.56	20.00
15	16QAM	1	37	18.48	18.65	18.50	20.00
15	16QAM	1	74	18.46	18.63	18.49	20.00
15	16QAM	36	0	18.54	18.78	18.54	20.00
15	16QAM	36	20	18.54	18.65	18.57	20.00
15	16QAM	36	39	18.50	18.72	18.54	20.00
15	16QAM	75	0	18.43	18.67	18.54	20.00
15	64QAM	1	0	18.59	18.64	18.57	20.00
15	64QAM	1	37	18.61	18.71	18.55	20.00
15	64QAM	1	74	18.39	18.55	18.43	20.00
15	64QAM	36	0	17.50	17.63	17.55	19.00
15	64QAM	36	20	17.56	17.67	17.51	19.00
15	64QAM	36	39	17.45	17.70	17.56	19.00
15	64QAM	75	0	17.47	17.78	17.44	19.00
15	256QAM	1	0	15.57	15.74	15.53	17.00
15	256QAM	1	37	15.50	15.63	15.61	17.00



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15	256QAM	1	74	15.45	15.61	15.58	17.00
15	256QAM	36	0	15.51	15.70	15.60	17.00
15	256QAM	36	20	15.47	15.59	15.51	17.00
15	256QAM	36	39	15.44	15.54	15.45	17.00
15	256QAM	75	0	15.46	15.66	15.47	17.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	18.81	18.93	18.85	20.00
10	QPSK	1	25	18.42	18.63	18.36	20.00
10	QPSK	1	49	18.53	18.64	18.47	20.00
10	QPSK	25	0	18.76	18.75	18.64	20.00
10	QPSK	25	12	18.55	18.63	18.48	20.00
10	QPSK	25	25	18.33	18.60	18.47	20.00
10	QPSK	50	0	18.80	18.80	18.74	20.00
10	16QAM	1	0	18.38	18.56	18.55	20.00
10	16QAM	1	25	18.45	18.61	18.42	20.00
10	16QAM	1	49	18.43	18.65	18.48	20.00
10	16QAM	25	0	18.49	18.64	18.61	20.00
10	16QAM	25	12	18.46	18.65	18.54	20.00
10	16QAM	25	25	18.40	18.76	18.49	20.00
10	16QAM	50	0	18.56	18.67	18.47	20.00
10	64QAM	1	0	18.58	18.70	18.57	20.00
10	64QAM	1	25	18.62	18.76	18.60	20.00
10	64QAM	1	49	18.37	18.62	18.47	20.00
10	64QAM	25	0	17.51	17.57	17.43	19.00
10	64QAM	25	12	17.48	17.74	17.62	19.00
10	64QAM	25	25	17.39	17.63	17.45	19.00
10	64QAM	50	0	17.50	17.80	17.54	19.00
10	256QAM	1	0	15.61	15.69	15.48	17.00
10	256QAM	1	25	15.47	15.68	15.52	17.00
10	256QAM	1	49	15.43	15.68	15.45	17.00
10	256QAM	25	0	15.45	15.70	15.59	17.00
10	256QAM	25	12	15.47	15.57	15.44	17.00
10	256QAM	25	25	15.47	15.65	15.37	17.00
10	256QAM	50	0	15.39	15.69	15.51	17.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	18.79	18.82	18.73	20.00
5	QPSK	1	12	18.41	18.54	18.44	20.00
5	QPSK	1	24	18.58	18.64	18.57	20.00
5	QPSK	12	0	18.76	18.68	18.64	20.00
5	QPSK	12	7	18.43	18.65	18.51	20.00
5	QPSK	12	13	18.39	18.59	18.35	20.00
5	QPSK	25	0	18.80	18.72	18.70	20.00
5	16QAM	1	0	18.40	18.58	18.50	20.00
5	16QAM	1	12	18.48	18.64	18.45	20.00
5	16QAM	1	24	18.43	18.64	18.41	20.00
5	16QAM	12	0	18.55	18.75	18.55	20.00
5	16QAM	12	7	18.50	18.63	18.55	20.00
5	16QAM	12	13	18.46	18.74	18.48	20.00
5	16QAM	25	0	18.48	18.71	18.53	20.00
5	64QAM	1	0	18.50	18.74	18.46	20.00
5	64QAM	1	12	18.62	18.66	18.52	20.00
5	64QAM	1	24	18.42	18.57	18.42	20.00
5	64QAM	12	0	17.52	17.63	17.45	19.00
5	64QAM	12	7	17.51	17.75	17.58	19.00
5	64QAM	12	13	17.47	17.68	17.57	19.00
5	64QAM	25	0	17.49	17.66	17.47	19.00
5	256QAM	1	0	15.56	15.77	15.57	17.00
5	256QAM	1	12	15.47	15.67	15.53	17.00
5	256QAM	1	24	15.56	15.58	15.57	17.00
5	256QAM	12	0	15.49	15.67	15.48	17.00
5	256QAM	12	7	15.53	15.56	15.46	17.00
5	256QAM	12	13	15.45	15.64	15.46	17.00
5	256QAM	25	0	15.48	15.64	15.53	17.00

【LTE Band 43 (96) _FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	20.64	20.79	20.71	22.00



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20	QPSK	1	49	20.26	20.48	20.34	22.00
20	QPSK	1	99	20.43	20.66	20.49	22.00
20	QPSK	50	0	19.65	19.73	19.68	21.00
20	QPSK	50	24	19.45	19.69	19.55	21.00
20	QPSK	50	50	19.29	19.58	19.45	21.00
20	QPSK	100	0	19.42	19.71	19.51	21.00
20	16QAM	1	0	19.38	19.63	19.51	21.00
20	16QAM	1	49	19.35	19.60	19.51	21.00
20	16QAM	1	99	19.45	19.62	19.45	21.00
20	16QAM	50	0	18.50	18.76	18.64	20.00
20	16QAM	50	24	18.31	18.59	18.40	20.00
20	16QAM	50	50	18.61	18.78	18.64	20.00
20	16QAM	100	0	18.61	18.79	18.70	20.00
20	64QAM	1	0	18.49	18.69	18.48	20.00
20	64QAM	1	49	18.59	18.80	18.58	20.00
20	64QAM	1	99	18.42	18.59	18.43	20.00
20	64QAM	50	0	17.50	17.68	17.51	19.00
20	64QAM	50	24	17.59	17.75	17.67	19.00
20	64QAM	50	50	17.51	17.67	17.58	19.00
20	64QAM	100	0	17.50	17.69	17.51	19.00
20	256QAM	1	0	15.45	15.70	15.56	17.00
20	256QAM	1	49	15.56	15.81	15.64	17.00
20	256QAM	1	99	15.53	15.67	15.52	17.00
20	256QAM	50	0	15.50	15.71	15.55	17.00
20	256QAM	50	24	15.61	15.74	15.64	17.00
20	256QAM	50	50	15.61	15.79	15.67	17.00
20	256QAM	100	0	15.48	15.68	15.56	17.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	20.51	20.75	20.56	22.00
15	QPSK	1	37	20.20	20.47	20.24	22.00
15	QPSK	1	74	20.42	20.60	20.41	22.00
15	QPSK	36	0	19.61	19.63	19.66	21.00
15	QPSK	36	20	19.36	19.61	19.45	21.00
15	QPSK	36	39	19.24	19.48	19.37	21.00
15	QPSK	75	0	19.36	19.62	19.44	21.00
15	16QAM	1	0	19.24	19.57	19.39	21.00
15	16QAM	1	37	19.24	19.53	19.48	21.00
15	16QAM	1	74	19.40	19.47	19.43	21.00
15	16QAM	36	0	18.38	18.66	18.58	20.00
15	16QAM	36	20	18.29	18.46	18.29	20.00
15	16QAM	36	39	18.60	18.64	18.61	20.00
15	16QAM	75	0	18.51	18.71	18.56	20.00
15	64QAM	1	0	18.45	18.61	18.45	20.00
15	64QAM	1	37	18.45	18.76	18.56	20.00
15	64QAM	1	74	18.34	18.49	18.37	20.00
15	64QAM	36	0	17.41	17.61	17.40	19.00
15	64QAM	36	20	17.47	17.68	17.59	19.00
15	64QAM	36	39	17.45	17.60	17.53	19.00
15	64QAM	75	0	17.46	17.62	17.41	19.00
15	256QAM	1	0	15.41	15.68	15.41	17.00
15	256QAM	1	37	15.51	15.71	15.51	17.00
15	256QAM	1	74	15.39	15.60	15.41	17.00
15	256QAM	36	0	15.44	15.66	15.44	17.00
15	256QAM	36	20	15.47	15.66	15.52	17.00
15	256QAM	36	39	15.60	15.65	15.56	17.00
15	256QAM	75	0	15.39	15.63	15.53	17.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	20.54	20.71	20.64	22.00
10	QPSK	1	25	20.18	20.44	20.28	22.00
10	QPSK	1	49	20.41	20.52	20.43	22.00
10	QPSK	25	0	19.53	19.59	19.67	21.00
10	QPSK	25	12	19.36	19.65	19.46	21.00
10	QPSK	25	25	19.18	19.44	19.33	21.00
10	QPSK	50	0	19.33	19.66	19.49	21.00
10	16QAM	1	0	19.26	19.50	19.50	21.00
10	16QAM	1	25	19.21	19.45	19.41	21.00
10	16QAM	1	49	19.33	19.61	19.35	21.00
10	16QAM	25	0	18.39	18.62	18.58	20.00
10	16QAM	25	12	18.28	18.45	18.26	20.00
10	16QAM	25	25	18.52	18.75	18.52	20.00
10	16QAM	50	0	18.46	18.68	18.57	20.00
10	64QAM	1	0	18.48	18.65	18.38	20.00
10	64QAM	1	25	18.50	18.73	18.45	20.00
10	64QAM	1	49	18.32	18.57	18.34	20.00
10	64QAM	25	0	17.42	17.63	17.37	19.00
10	64QAM	25	12	17.50	17.65	17.60	19.00



10	64QAM	25	25	17.39	17.63	17.56	19.00
10	64QAM	50	0	17.48	17.64	17.36	19.00
10	256QAM	1	0	15.39	15.56	15.49	17.00
10	256QAM	1	25	15.49	15.77	15.59	17.00
10	256QAM	1	49	15.46	15.64	15.41	17.00
10	256QAM	25	0	15.45	15.63	15.50	17.00
10	256QAM	25	12	15.54	15.70	15.57	17.00
10	256QAM	25	25	15.59	15.77	15.61	17.00
10	256QAM	50	0	15.44	15.67	15.42	17.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	20.58	20.68	20.65	22.00
5	QPSK	1	12	20.20	20.36	20.30	22.00
5	QPSK	1	24	20.28	20.52	20.36	22.00
5	QPSK	12	0	19.58	19.60	19.65	21.00
5	QPSK	12	7	19.34	19.55	19.43	21.00
5	QPSK	12	13	19.27	19.46	19.33	21.00
5	QPSK	25	0	19.31	19.63	19.50	21.00
5	16QAM	1	0	19.24	19.58	19.44	21.00
5	16QAM	1	12	19.21	19.52	19.39	21.00
5	16QAM	1	24	19.38	19.55	19.44	21.00
5	16QAM	12	0	18.40	18.74	18.55	20.00
5	16QAM	12	7	18.17	18.46	18.31	20.00
5	16QAM	12	13	18.58	18.69	18.52	20.00
5	16QAM	25	0	18.51	18.74	18.60	20.00
5	64QAM	1	0	18.36	18.59	18.35	20.00
5	64QAM	1	12	18.55	18.67	18.57	20.00
5	64QAM	1	24	18.36	18.48	18.37	20.00
5	64QAM	12	0	17.38	17.53	17.38	19.00
5	64QAM	12	7	17.52	17.66	17.62	19.00
5	64QAM	12	13	17.42	17.57	17.54	19.00
5	64QAM	25	0	17.46	17.57	17.46	19.00
5	256QAM	1	0	15.35	15.56	15.51	17.00
5	256QAM	1	12	15.54	15.74	15.62	17.00
5	256QAM	1	24	15.40	15.58	15.43	17.00
5	256QAM	12	0	15.43	15.65	15.42	17.00
5	256QAM	12	7	15.55	15.62	15.50	17.00
5	256QAM	12	13	15.50	15.66	15.53	17.00
5	256QAM	25	0	15.40	15.59	15.54	17.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	13.04	13.05	13.02	14.50
20	QPSK	1	49	12.69	13.01	12.98	14.50
20	QPSK	1	99	12.68	13.00	12.91	14.50
20	QPSK	50	0	12.96	13.04	12.88	14.50
20	QPSK	50	24	12.79	12.81	12.80	14.50
20	QPSK	50	50	12.76	12.82	12.83	14.50
20	QPSK	100	0	12.89	12.96	12.91	14.50
20	16QAM	1	0	12.92	12.97	12.87	14.50
20	16QAM	1	49	12.97	12.98	12.98	14.50
20	16QAM	1	99	12.90	12.93	12.88	14.50
20	16QAM	50	0	12.97	12.93	12.87	14.50
20	16QAM	50	24	12.96	12.96	12.89	14.50
20	16QAM	50	50	12.92	13.00	12.88	14.50
20	16QAM	100	0	12.94	12.91	12.94	14.50
20	64QAM	1	0	12.96	12.94	12.94	14.50
20	64QAM	1	49	12.94	13.01	12.97	14.50
20	64QAM	1	99	12.98	12.96	12.95	14.50
20	64QAM	50	0	12.93	12.91	12.94	14.50
20	64QAM	50	24	12.93	13.00	12.95	14.50
20	64QAM	50	50	12.96	12.93	12.95	14.50
20	64QAM	100	0	12.99	12.98	12.90	14.50
20	256QAM	1	0	12.98	12.93	12.98	14.50
20	256QAM	1	49	12.92	12.98	12.92	14.50
20	256QAM	1	99	12.98	12.95	12.96	14.50
20	256QAM	50	0	12.97	12.93	12.88	14.50
20	256QAM	50	24	12.90	12.91	12.88	14.50
20	256QAM	50	50	12.97	12.99	12.88	14.50



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20	256QAM	100	0	12.96	12.99	12.91	14.50
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	12.90	12.94	12.96	14.50
15	QPSK	1	37	12.87	12.92	12.97	14.50
15	QPSK	1	74	12.87	12.97	12.87	14.50
15	QPSK	36	0	12.89	12.98	12.84	14.50
15	QPSK	36	20	12.75	12.92	12.88	14.50
15	QPSK	36	39	12.88	12.78	12.82	14.50
15	QPSK	75	0	12.81	12.86	12.88	14.50
15	16QAM	1	0	12.83	12.83	12.77	14.50
15	16QAM	1	37	12.86	12.83	12.83	14.50
15	16QAM	1	74	12.87	12.90	12.74	14.50
15	16QAM	36	0	12.91	12.82	12.75	14.50
15	16QAM	36	20	12.91	12.83	12.76	14.50
15	16QAM	36	39	12.87	12.89	12.74	14.50
15	16QAM	75	0	12.83	12.86	12.92	14.50
15	64QAM	1	0	12.81	12.85	12.84	14.50
15	64QAM	1	37	12.82	12.98	12.90	14.50
15	64QAM	1	74	12.93	12.81	12.80	14.50
15	64QAM	36	0	12.87	12.80	12.93	14.50
15	64QAM	36	20	12.81	12.97	12.87	14.50
15	64QAM	36	39	12.83	12.81	12.90	14.50
15	64QAM	75	0	12.88	12.94	12.87	14.50
15	256QAM	1	0	12.95	12.83	12.91	14.50
15	256QAM	1	37	12.80	12.97	12.84	14.50
15	256QAM	1	74	12.91	12.93	12.82	14.50
15	256QAM	36	0	12.85	12.80	12.85	14.50
15	256QAM	36	20	12.86	12.88	12.74	14.50
15	256QAM	36	39	12.90	12.85	12.81	14.50
15	256QAM	75	0	12.82	12.92	12.76	14.50
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	12.91	12.92	12.90	14.50
10	QPSK	1	25	12.93	12.96	12.85	14.50
10	QPSK	1	49	12.90	12.86	12.78	14.50
10	QPSK	25	0	12.90	12.96	12.81	14.50
10	QPSK	25	12	12.75	12.84	12.77	14.50
10	QPSK	25	25	12.94	12.77	12.82	14.50
10	QPSK	50	0	12.80	12.93	12.85	14.50
10	16QAM	1	0	12.82	12.94	12.80	14.50
10	16QAM	1	25	12.90	12.91	12.92	14.50
10	16QAM	1	49	12.77	12.79	12.75	14.50
10	16QAM	25	0	12.85	12.81	12.80	14.50
10	16QAM	25	12	12.85	12.84	12.74	14.50
10	16QAM	25	25	12.90	12.91	12.80	14.50
10	16QAM	50	0	12.92	12.89	12.91	14.50
10	64QAM	1	0	12.86	12.92	12.83	14.50
10	64QAM	1	25	12.86	12.91	12.87	14.50
10	64QAM	1	49	12.87	12.83	12.82	14.50
10	64QAM	25	0	12.80	12.81	12.89	14.50
10	64QAM	25	12	12.85	12.91	12.87	14.50
10	64QAM	25	25	12.95	12.78	12.92	14.50
10	64QAM	50	0	12.90	12.91	12.83	14.50
10	256QAM	1	0	12.84	12.79	12.92	14.50
10	256QAM	1	25	12.87	12.94	12.89	14.50
10	256QAM	1	49	12.91	12.83	12.88	14.50
10	256QAM	25	0	12.93	12.88	12.79	14.50
10	256QAM	25	12	12.86	12.85	12.79	14.50
10	256QAM	25	25	12.96	12.90	12.73	14.50
10	256QAM	50	0	12.86	12.93	12.86	14.50
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	13.00	13.00	12.99	14.50
5	QPSK	1	12	12.90	12.99	12.86	14.50
5	QPSK	1	24	12.91	12.90	12.90	14.50
5	QPSK	12	0	12.86	13.01	12.79	14.50
5	QPSK	12	7	12.86	12.84	12.74	14.50
5	QPSK	12	13	12.90	12.90	12.85	14.50
5	QPSK	25	0	12.78	12.83	12.89	14.50
5	16QAM	1	0	12.83	12.83	12.86	14.50
5	16QAM	1	12	12.89	12.85	12.85	14.50
5	16QAM	1	24	12.78	12.80	12.86	14.50
5	16QAM	12	0	12.82	12.90	12.78	14.50
5	16QAM	12	7	12.92	12.91	12.85	14.50
5	16QAM	12	13	12.79	12.92	12.79	14.50
5	16QAM	25	0	12.90	12.78	12.88	14.50
5	64QAM	1	0	12.91	12.89	12.87	14.50



5	64QAM	1	12	12.87	12.97	12.95	14.50
5	64QAM	1	24	12.96	12.91	12.83	14.50
5	64QAM	12	0	12.85	12.80	12.91	14.50
5	64QAM	12	7	12.82	12.90	12.86	14.50
5	64QAM	12	13	12.94	12.80	12.85	14.50
5	64QAM	25	0	12.96	12.92	12.80	14.50
5	256QAM	1	0	12.86	12.83	12.84	14.50
5	256QAM	1	12	12.81	12.89	12.89	14.50
5	256QAM	1	24	12.85	12.84	12.91	14.50
5	256QAM	12	0	12.90	12.91	12.75	14.50
5	256QAM	12	7	12.88	12.85	12.76	14.50
5	256QAM	12	13	12.89	12.93	12.83	14.50
5	256QAM	25	0	12.92	12.95	12.86	14.50

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	17.95	17.98	17.86	19.20
20	QPSK	1	49	17.56	17.69	17.43	19.20
20	QPSK	1	99	17.67	17.84	17.63	19.20
20	QPSK	50	0	17.82	17.85	17.77	19.20
20	QPSK	50	24	17.79	17.83	17.60	19.20
20	QPSK	50	50	17.70	17.82	17.65	19.20
20	QPSK	100	0	17.65	17.71	17.70	19.20
20	16QAM	1	0	17.53	17.70	17.54	19.20
20	16QAM	1	49	17.66	17.83	17.65	19.20
20	16QAM	1	99	17.77	17.82	17.67	19.20
20	16QAM	50	0	17.65	17.70	17.54	19.20
20	16QAM	50	24	17.61	17.75	17.57	19.20
20	16QAM	50	50	17.74	17.85	17.67	19.20
20	16QAM	100	0	17.65	17.77	17.58	19.20
20	64QAM	1	0	17.70	17.79	17.58	19.20
20	64QAM	1	49	17.80	17.84	17.65	19.20
20	64QAM	1	99	17.73	17.79	17.58	19.20
20	64QAM	50	0	17.68	17.82	17.63	19.20
20	64QAM	50	24	17.66	17.79	17.56	19.20
20	64QAM	50	50	17.61	17.79	17.60	19.20
20	64QAM	100	0	17.64	17.71	17.55	19.20
20	256QAM	1	0	15.57	15.70	15.53	17.00
20	256QAM	1	49	15.70	15.84	15.63	17.00
20	256QAM	1	99	15.66	15.75	15.61	17.00
20	256QAM	50	0	15.62	15.74	15.56	17.00
20	256QAM	50	24	15.70	15.80	15.63	17.00
20	256QAM	50	50	15.62	15.79	15.62	17.00
20	256QAM	100	0	15.71	15.86	15.72	17.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	17.83	17.90	17.82	19.20
15	QPSK	1	37	17.54	17.62	17.33	19.20
15	QPSK	1	74	17.52	17.76	17.52	19.20
15	QPSK	36	0	17.70	17.75	17.66	19.20
15	QPSK	36	20	17.75	17.74	17.58	19.20
15	QPSK	36	39	17.61	17.79	17.56	19.20
15	QPSK	75	0	17.63	17.60	17.58	19.20
15	16QAM	1	0	17.44	17.56	17.42	19.20
15	16QAM	1	37	17.62	17.75	17.57	19.20
15	16QAM	1	74	17.71	17.74	17.62	19.20
15	16QAM	36	0	17.50	17.60	17.44	19.20
15	16QAM	36	20	17.55	17.64	17.47	19.20
15	16QAM	36	39	17.70	17.74	17.56	19.20
15	16QAM	75	0	17.64	17.75	17.55	19.20
15	64QAM	1	0	17.59	17.68	17.52	19.20
15	64QAM	1	37	17.69	17.73	17.53	19.20
15	64QAM	1	74	17.70	17.68	17.44	19.20
15	64QAM	36	0	17.62	17.73	17.59	19.20
15	64QAM	36	20	17.59	17.67	17.55	19.20
15	64QAM	36	39	17.55	17.72	17.50	19.20
15	64QAM	75	0	17.54	17.68	17.53	19.20
15	256QAM	1	0	15.43	15.61	15.51	17.00
15	256QAM	1	37	15.63	15.74	15.54	17.00



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15	256QAM	1	74	15.51	15.65	15.55	17.00
15	256QAM	36	0	15.53	15.65	15.42	17.00
15	256QAM	36	20	15.63	15.79	15.61	17.00
15	256QAM	36	39	15.52	15.70	15.52	17.00
15	256QAM	75	0	15.57	15.75	15.63	17.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	17.87	17.92	17.84	19.20
10	QPSK	1	25	17.44	17.65	17.32	19.20
10	QPSK	1	49	17.54	17.71	17.58	19.20
10	QPSK	25	0	17.73	17.71	17.67	19.20
10	QPSK	25	12	17.78	17.68	17.53	19.20
10	QPSK	25	25	17.67	17.70	17.60	19.20
10	QPSK	50	0	17.56	17.61	17.61	19.20
10	16QAM	1	0	17.42	17.60	17.50	19.20
10	16QAM	1	25	17.64	17.72	17.62	19.20
10	16QAM	1	49	17.68	17.78	17.63	19.20
10	16QAM	25	0	17.57	17.57	17.45	19.20
10	16QAM	25	12	17.50	17.63	17.50	19.20
10	16QAM	25	25	17.61	17.71	17.66	19.20
10	16QAM	50	0	17.56	17.66	17.50	19.20
10	64QAM	1	0	17.68	17.67	17.53	19.20
10	64QAM	1	25	17.71	17.79	17.51	19.20
10	64QAM	1	49	17.59	17.68	17.54	19.20
10	64QAM	25	0	17.61	17.79	17.60	19.20
10	64QAM	25	12	17.64	17.70	17.44	19.20
10	64QAM	25	25	17.53	17.69	17.47	19.20
10	64QAM	50	0	17.62	17.67	17.47	19.20
10	256QAM	1	0	15.44	15.64	15.48	17.00
10	256QAM	1	25	15.66	15.75	15.61	17.00
10	256QAM	1	49	15.56	15.64	15.55	17.00
10	256QAM	25	0	15.53	15.72	15.54	17.00
10	256QAM	25	12	15.59	15.68	15.60	17.00
10	256QAM	25	25	15.52	15.68	15.52	17.00
10	256QAM	50	0	15.58	15.71	15.61	17.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	17.94	17.92	17.85	19.20
5	QPSK	1	12	17.43	17.65	17.40	19.20
5	QPSK	1	24	17.60	17.70	17.62	19.20
5	QPSK	12	0	17.67	17.79	17.66	19.20
5	QPSK	12	7	17.72	17.72	17.54	19.20
5	QPSK	12	13	17.57	17.75	17.54	19.20
5	QPSK	25	0	17.63	17.60	17.63	19.20
5	16QAM	1	0	17.45	17.67	17.52	19.20
5	16QAM	1	12	17.51	17.81	17.50	19.20
5	16QAM	1	24	17.72	17.80	17.62	19.20
5	16QAM	12	0	17.55	17.58	17.41	19.20
5	16QAM	12	7	17.49	17.72	17.54	19.20
5	16QAM	12	13	17.64	17.70	17.64	19.20
5	16QAM	25	0	17.56	17.66	17.52	19.20
5	64QAM	1	0	17.62	17.78	17.46	19.20
5	64QAM	1	12	17.73	17.79	17.57	19.20
5	64QAM	1	24	17.70	17.69	17.47	19.20
5	64QAM	12	0	17.66	17.71	17.56	19.20
5	64QAM	12	7	17.57	17.72	17.54	19.20
5	64QAM	12	13	17.51	17.73	17.53	19.20
5	64QAM	25	0	17.56	17.70	17.42	19.20
5	256QAM	1	0	15.47	15.61	15.49	17.00
5	256QAM	1	12	15.63	15.71	15.50	17.00
5	256QAM	1	24	15.52	15.66	15.58	17.00
5	256QAM	12	0	15.48	15.69	15.46	17.00
5	256QAM	12	7	15.68	15.76	15.60	17.00
5	256QAM	12	13	15.58	15.75	15.47	17.00
5	256QAM	25	0	15.60	15.82	15.63	17.00

【LTE Band 43 (96) _FCC_Part 96 (3600~3700MHz)_Ant 2_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	20.64	20.79	20.71	22.00



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20	QPSK	1	49	20.26	20.48	20.34	22.00
20	QPSK	1	99	20.43	20.66	20.49	22.00
20	QPSK	50	0	19.65	19.73	19.68	21.00
20	QPSK	50	24	19.45	19.69	19.55	21.00
20	QPSK	50	50	19.29	19.58	19.45	21.00
20	QPSK	100	0	19.42	19.71	19.51	21.00
20	16QAM	1	0	19.38	19.63	19.51	21.00
20	16QAM	1	49	19.35	19.60	19.51	21.00
20	16QAM	1	99	19.45	19.62	19.45	21.00
20	16QAM	50	0	18.50	18.76	18.64	20.00
20	16QAM	50	24	18.31	18.59	18.40	20.00
20	16QAM	50	50	18.61	18.78	18.64	20.00
20	16QAM	100	0	18.61	18.79	18.70	20.00
20	64QAM	1	0	18.49	18.69	18.48	20.00
20	64QAM	1	49	18.59	18.80	18.58	20.00
20	64QAM	1	99	18.42	18.59	18.43	20.00
20	64QAM	50	0	17.50	17.68	17.51	19.00
20	64QAM	50	24	17.59	17.75	17.67	19.00
20	64QAM	50	50	17.51	17.67	17.58	19.00
20	64QAM	100	0	17.50	17.69	17.51	19.00
20	256QAM	1	0	15.45	15.70	15.56	17.00
20	256QAM	1	49	15.56	15.81	15.64	17.00
20	256QAM	1	99	15.53	15.67	15.52	17.00
20	256QAM	50	0	15.50	15.71	15.55	17.00
20	256QAM	50	24	15.61	15.74	15.64	17.00
20	256QAM	50	50	15.61	15.79	15.67	17.00
20	256QAM	100	0	15.48	15.68	15.56	17.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	20.51	20.75	20.56	22.00
15	QPSK	1	37	20.20	20.47	20.24	22.00
15	QPSK	1	74	20.42	20.60	20.41	22.00
15	QPSK	36	0	19.61	19.63	19.66	21.00
15	QPSK	36	20	19.36	19.61	19.45	21.00
15	QPSK	36	39	19.24	19.48	19.37	21.00
15	QPSK	75	0	19.36	19.62	19.44	21.00
15	16QAM	1	0	19.24	19.57	19.39	21.00
15	16QAM	1	37	19.24	19.53	19.48	21.00
15	16QAM	1	74	19.40	19.47	19.43	21.00
15	16QAM	36	0	18.38	18.66	18.58	20.00
15	16QAM	36	20	18.29	18.46	18.29	20.00
15	16QAM	36	39	18.60	18.64	18.61	20.00
15	16QAM	75	0	18.51	18.71	18.56	20.00
15	64QAM	1	0	18.45	18.61	18.45	20.00
15	64QAM	1	37	18.45	18.76	18.56	20.00
15	64QAM	1	74	18.34	18.49	18.37	20.00
15	64QAM	36	0	17.41	17.61	17.40	19.00
15	64QAM	36	20	17.47	17.68	17.59	19.00
15	64QAM	36	39	17.45	17.60	17.53	19.00
15	64QAM	75	0	17.46	17.62	17.41	19.00
15	256QAM	1	0	15.41	15.68	15.41	17.00
15	256QAM	1	37	15.51	15.71	15.51	17.00
15	256QAM	1	74	15.39	15.60	15.41	17.00
15	256QAM	36	0	15.44	15.66	15.44	17.00
15	256QAM	36	20	15.47	15.66	15.52	17.00
15	256QAM	36	39	15.60	15.65	15.56	17.00
15	256QAM	75	0	15.39	15.63	15.53	17.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	20.54	20.71	20.64	22.00
10	QPSK	1	25	20.18	20.44	20.28	22.00
10	QPSK	1	49	20.41	20.52	20.43	22.00
10	QPSK	25	0	19.53	19.59	19.67	21.00
10	QPSK	25	12	19.36	19.65	19.46	21.00
10	QPSK	25	25	19.18	19.44	19.33	21.00
10	QPSK	50	0	19.33	19.66	19.49	21.00
10	16QAM	1	0	19.26	19.50	19.50	21.00
10	16QAM	1	25	19.21	19.45	19.41	21.00
10	16QAM	1	49	19.33	19.61	19.35	21.00
10	16QAM	25	0	18.39	18.62	18.58	20.00
10	16QAM	25	12	18.28	18.45	18.26	20.00
10	16QAM	25	25	18.52	18.75	18.52	20.00
10	16QAM	50	0	18.46	18.68	18.57	20.00
10	64QAM	1	0	18.48	18.65	18.38	20.00
10	64QAM	1	25	18.50	18.73	18.45	20.00
10	64QAM	1	49	18.32	18.57	18.34	20.00
10	64QAM	25	0	17.42	17.63	17.37	19.00
10	64QAM	25	12	17.50	17.65	17.60	19.00



10	64QAM	25	25	17.39	17.63	17.56	19.00
10	64QAM	50	0	17.48	17.64	17.36	19.00
10	256QAM	1	0	15.39	15.56	15.49	17.00
10	256QAM	1	25	15.49	15.77	15.59	17.00
10	256QAM	1	49	15.46	15.64	15.41	17.00
10	256QAM	25	0	15.45	15.63	15.50	17.00
10	256QAM	25	12	15.54	15.70	15.57	17.00
10	256QAM	25	25	15.59	15.77	15.61	17.00
10	256QAM	50	0	15.44	15.67	15.42	17.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	20.58	20.68	20.65	22.00
5	QPSK	1	12	20.20	20.36	20.30	22.00
5	QPSK	1	24	20.28	20.52	20.36	22.00
5	QPSK	12	0	19.58	19.60	19.65	21.00
5	QPSK	12	7	19.34	19.55	19.43	21.00
5	QPSK	12	13	19.27	19.46	19.33	21.00
5	QPSK	25	0	19.31	19.63	19.50	21.00
5	16QAM	1	0	19.24	19.58	19.44	21.00
5	16QAM	1	12	19.21	19.52	19.39	21.00
5	16QAM	1	24	19.38	19.55	19.44	21.00
5	16QAM	12	0	18.40	18.74	18.55	20.00
5	16QAM	12	7	18.17	18.46	18.31	20.00
5	16QAM	12	13	18.58	18.69	18.52	20.00
5	16QAM	25	0	18.51	18.74	18.60	20.00
5	64QAM	1	0	18.36	18.59	18.35	20.00
5	64QAM	1	12	18.55	18.67	18.57	20.00
5	64QAM	1	24	18.36	18.48	18.37	20.00
5	64QAM	12	0	17.38	17.53	17.38	19.00
5	64QAM	12	7	17.52	17.66	17.62	19.00
5	64QAM	12	13	17.42	17.57	17.54	19.00
5	64QAM	25	0	17.46	17.57	17.46	19.00
5	256QAM	1	0	15.35	15.56	15.51	17.00
5	256QAM	1	12	15.54	15.74	15.62	17.00
5	256QAM	1	24	15.40	15.58	15.43	17.00
5	256QAM	12	0	15.43	15.65	15.42	17.00
5	256QAM	12	7	15.55	15.62	15.50	17.00
5	256QAM	12	13	15.50	15.66	15.53	17.00
5	256QAM	25	0	15.40	15.59	15.54	17.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.11	23.14	23.09	24.00
20	QPSK	1	49	22.89	22.97	22.82	24.00
20	QPSK	1	99	22.69	22.86	22.73	24.00
20	QPSK	50	0	22.16	22.19	22.15	23.00
20	QPSK	50	24	22.02	22.15	21.99	23.00
20	QPSK	50	50	21.88	21.97	21.89	23.00
20	QPSK	100	0	22.07	22.11	21.95	23.00
20	16QAM	1	0	21.86	21.97	21.87	23.00
20	16QAM	1	49	22.07	22.14	21.99	23.00
20	16QAM	1	99	21.85	21.99	21.83	23.00
20	16QAM	50	0	20.89	21.05	20.95	22.00
20	16QAM	50	24	21.09	21.14	21.03	22.00
20	16QAM	50	50	20.94	20.98	20.90	22.00
20	16QAM	100	0	21.04	21.16	20.97	22.00
20	64QAM	1	0	20.81	20.97	20.84	22.00
20	64QAM	1	49	20.78	20.93	20.84	22.00
20	64QAM	1	99	20.94	21.06	20.88	22.00
20	64QAM	50	0	19.82	19.92	19.84	21.00
20	64QAM	50	24	20.07	20.13	20.07	21.00
20	64QAM	50	50	19.82	19.97	19.80	21.00
20	64QAM	100	0	20.02	20.14	19.95	21.00
20	256QAM	1	0	17.94	18.04	17.97	19.00
20	256QAM	1	49	17.89	17.97	17.90	19.00
20	256QAM	1	99	17.96	18.12	17.99	19.00
20	256QAM	50	0	17.77	17.94	17.88	19.00
20	256QAM	50	24	17.99	18.13	17.95	19.00
20	256QAM	50	50	17.78	17.94	17.80	19.00



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20	256QAM	100	0	17.85	17.94	17.89	19.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	23.02	23.06	23.01	24.00
15	QPSK	1	37	22.81	22.83	22.69	24.00
15	QPSK	1	74	22.55	22.81	22.69	24.00
15	QPSK	36	0	22.06	22.12	22.12	23.00
15	QPSK	36	20	21.89	22.03	21.92	23.00
15	QPSK	36	39	21.82	21.95	21.84	23.00
15	QPSK	75	0	22.01	22.02	21.82	23.00
15	16QAM	1	0	21.80	21.89	21.75	23.00
15	16QAM	1	37	21.97	22.00	21.85	23.00
15	16QAM	1	74	21.80	21.86	21.73	23.00
15	16QAM	36	0	20.82	21.00	20.87	22.00
15	16QAM	36	20	21.06	21.10	20.98	22.00
15	16QAM	36	39	20.80	20.95	20.79	22.00
15	16QAM	75	0	20.99	21.04	20.87	22.00
15	64QAM	1	0	20.75	20.88	20.74	22.00
15	64QAM	1	37	20.69	20.84	20.74	22.00
15	64QAM	1	74	20.88	20.92	20.81	22.00
15	64QAM	36	0	19.74	19.85	19.81	21.00
15	64QAM	36	20	19.96	20.06	19.97	21.00
15	64QAM	36	39	19.71	19.88	19.75	21.00
15	64QAM	75	0	19.93	20.01	19.80	21.00
15	256QAM	1	0	17.80	17.98	17.93	19.00
15	256QAM	1	37	17.76	17.88	17.82	19.00
15	256QAM	1	74	17.88	18.01	17.94	19.00
15	256QAM	36	0	17.62	17.89	17.85	19.00
15	256QAM	36	20	17.95	18.10	17.81	19.00
15	256QAM	36	39	17.69	17.87	17.67	19.00
15	256QAM	75	0	17.77	17.82	17.80	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	22.98	23.10	23.00	24.00
10	QPSK	1	25	22.80	22.90	22.74	24.00
10	QPSK	1	49	22.64	22.84	22.70	24.00
10	QPSK	25	0	22.11	22.13	22.04	23.00
10	QPSK	25	12	21.96	22.02	21.87	23.00
10	QPSK	25	25	21.85	21.95	21.75	23.00
10	QPSK	50	0	21.98	22.02	21.93	23.00
10	16QAM	1	0	21.84	21.91	21.74	23.00
10	16QAM	1	25	21.95	22.07	21.98	23.00
10	16QAM	1	49	21.76	21.92	21.76	23.00
10	16QAM	25	0	20.88	20.94	20.81	22.00
10	16QAM	25	12	21.05	21.00	20.93	22.00
10	16QAM	25	25	20.83	20.92	20.81	22.00
10	16QAM	50	0	20.99	21.10	20.87	22.00
10	64QAM	1	0	20.80	20.90	20.73	22.00
10	64QAM	1	25	20.71	20.84	20.80	22.00
10	64QAM	1	49	20.87	20.95	20.82	22.00
10	64QAM	25	0	19.70	19.90	19.80	21.00
10	64QAM	25	12	19.97	20.03	19.92	21.00
10	64QAM	25	25	19.77	19.88	19.71	21.00
10	64QAM	50	0	19.97	20.07	19.83	21.00
10	256QAM	1	0	17.84	18.02	17.89	19.00
10	256QAM	1	25	17.79	17.83	17.82	19.00
10	256QAM	1	49	17.85	18.05	17.86	19.00
10	256QAM	25	0	17.66	17.82	17.81	19.00
10	256QAM	25	12	17.92	18.07	17.92	19.00
10	256QAM	25	25	17.66	17.84	17.69	19.00
10	256QAM	50	0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	22.96	23.03	23.02	24.00
5	QPSK	1	12	22.80	22.88	22.70	24.00
5	QPSK	1	24	22.62	22.74	22.72	24.00
5	QPSK	12	0	22.14	22.14	22.12	23.00
5	QPSK	12	7	21.91	22.12	21.89	23.00
5	QPSK	12	13	21.83	21.82	21.79	23.00
5	QPSK	25	0	22.00	22.02	21.90	23.00
5	16QAM	1	0	21.79	21.92	21.85	23.00
5	16QAM	1	12	21.98	22.03	21.97	23.00
5	16QAM	1	24	21.74	21.88	21.73	23.00
5	16QAM	12	0	20.77	20.95	20.88	22.00
5	16QAM	12	7	20.95	21.00	20.98	22.00
5	16QAM	12	13	20.83	20.92	20.85	22.00
5	16QAM	25	0	20.92	21.11	20.89	22.00
5	64QAM	1	0	20.69	20.94	20.71	22.00



5	64QAM	1	12	20.72	20.87	20.81	22.00
5	64QAM	1	24	20.88	20.97	20.84	22.00
5	64QAM	12	0	19.68	19.90	19.81	21.00
5	64QAM	12	7	20.00	20.00	19.92	21.00
5	64QAM	12	13	19.74	19.88	19.69	21.00
5	64QAM	25	0	19.97	20.09	19.82	21.00
5	256QAM	1	0	17.80	17.92	17.89	19.00
5	256QAM	1	12	17.83	17.88	17.79	19.00
5	256QAM	1	24	17.85	18.02	17.90	19.00
5	256QAM	12	0	17.69	17.82	17.76	19.00
5	256QAM	12	7	17.90	17.99	17.85	19.00
5	256QAM	12	13	17.72	17.82	17.74	19.00
5	256QAM	25	0	17.73	17.92	17.86	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.11	23.14	23.09	24.00
20	QPSK	1	49	22.89	22.97	22.82	24.00
20	QPSK	1	99	22.69	22.86	22.73	24.00
20	QPSK	50	0	22.16	22.19	22.15	23.00
20	QPSK	50	24	22.02	22.15	21.99	23.00
20	QPSK	50	50	21.88	21.97	21.89	23.00
20	QPSK	100	0	22.07	22.11	21.95	23.00
20	16QAM	1	0	21.86	21.97	21.87	23.00
20	16QAM	1	49	22.07	22.14	21.99	23.00
20	16QAM	1	99	21.85	21.99	21.83	23.00
20	16QAM	50	0	20.89	21.05	20.95	22.00
20	16QAM	50	24	21.09	21.14	21.03	22.00
20	16QAM	50	50	20.94	20.98	20.90	22.00
20	16QAM	100	0	21.04	21.16	20.97	22.00
20	64QAM	1	0	20.81	20.97	20.84	22.00
20	64QAM	1	49	20.78	20.93	20.84	22.00
20	64QAM	1	99	20.94	21.06	20.88	22.00
20	64QAM	50	0	19.82	19.92	19.84	21.00
20	64QAM	50	24	20.07	20.13	20.07	21.00
20	64QAM	50	50	19.82	19.97	19.80	21.00
20	64QAM	100	0	20.02	20.14	19.95	21.00
20	256QAM	1	0	17.94	18.04	17.97	19.00
20	256QAM	1	49	17.89	17.97	17.90	19.00
20	256QAM	1	99	17.96	18.12	17.99	19.00
20	256QAM	50	0	17.77	17.94	17.88	19.00
20	256QAM	50	24	17.99	18.13	17.95	19.00
20	256QAM	50	50	17.78	17.94	17.80	19.00
20	256QAM	100	0	17.85	17.94	17.89	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	23.02	23.06	23.01	24.00
15	QPSK	1	37	22.81	22.83	22.69	24.00
15	QPSK	1	74	22.55	22.81	22.69	24.00
15	QPSK	36	0	22.06	22.12	22.12	23.00
15	QPSK	36	20	21.89	22.03	21.92	23.00
15	QPSK	36	39	21.82	21.95	21.84	23.00
15	QPSK	75	0	22.01	22.02	21.82	23.00
15	16QAM	1	0	21.80	21.89	21.75	23.00
15	16QAM	1	37	21.97	22.00	21.85	23.00
15	16QAM	1	74	21.80	21.86	21.73	23.00
15	16QAM	36	0	20.82	21.00	20.87	22.00
15	16QAM	36	20	21.06	21.10	20.98	22.00
15	16QAM	36	39	20.80	20.95	20.79	22.00
15	16QAM	75	0	20.99	21.04	20.87	22.00
15	64QAM	1	0	20.75	20.88	20.74	22.00
15	64QAM	1	37	20.69	20.84	20.74	22.00
15	64QAM	1	74	20.88	20.92	20.81	22.00
15	64QAM	36	0	19.74	19.85	19.81	21.00
15	64QAM	36	20	19.96	20.06	19.97	21.00
15	64QAM	36	39	19.71	19.88	19.75	21.00
15	64QAM	75	0	19.93	20.01	19.80	21.00
15	256QAM	1	0	17.80	17.98	17.93	19.00
15	256QAM	1	37	17.76	17.88	17.82	19.00



15	256QAM	1	74	17.88	18.01	17.94	19.00
15	256QAM	36	0	17.62	17.89	17.85	19.00
15	256QAM	36	20	17.95	18.10	17.81	19.00
15	256QAM	36	39	17.69	17.87	17.67	19.00
15	256QAM	75	0	17.77	17.82	17.80	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	22.98	23.10	23.00	24.00
10	QPSK	1	25	22.80	22.90	22.74	24.00
10	QPSK	1	49	22.64	22.84	22.70	24.00
10	QPSK	25	0	22.11	22.13	22.04	23.00
10	QPSK	25	12	21.96	22.02	21.87	23.00
10	QPSK	25	25	21.85	21.95	21.75	23.00
10	QPSK	50	0	21.98	22.02	21.93	23.00
10	16QAM	1	0	21.84	21.91	21.74	23.00
10	16QAM	1	25	21.95	22.07	21.98	23.00
10	16QAM	1	49	21.76	21.92	21.76	23.00
10	16QAM	25	0	20.88	20.94	20.81	22.00
10	16QAM	25	12	21.05	21.00	20.93	22.00
10	16QAM	25	25	20.83	20.92	20.81	22.00
10	16QAM	50	0	20.99	21.10	20.87	22.00
10	64QAM	1	0	20.80	20.90	20.73	22.00
10	64QAM	1	25	20.71	20.84	20.80	22.00
10	64QAM	1	49	20.87	20.95	20.82	22.00
10	64QAM	25	0	19.70	19.90	19.80	21.00
10	64QAM	25	12	19.97	20.03	19.92	21.00
10	64QAM	25	25	19.77	19.88	19.71	21.00
10	64QAM	50	0	19.97	20.07	19.83	21.00
10	256QAM	1	0	17.84	18.02	17.89	19.00
10	256QAM	1	25	17.79	17.83	17.82	19.00
10	256QAM	1	49	17.85	18.05	17.86	19.00
10	256QAM	25	0	17.66	17.82	17.81	19.00
10	256QAM	25	12	17.92	18.07	17.92	19.00
10	256QAM	25	25	17.66	17.84	17.69	19.00
10	256QAM	50	0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	22.96	23.03	23.02	24.00
5	QPSK	1	12	22.80	22.88	22.70	24.00
5	QPSK	1	24	22.62	22.74	22.72	24.00
5	QPSK	12	0	22.14	22.14	22.12	23.00
5	QPSK	12	7	21.91	22.12	21.89	23.00
5	QPSK	12	13	21.83	21.82	21.79	23.00
5	QPSK	25	0	22.00	22.02	21.90	23.00
5	16QAM	1	0	21.79	21.92	21.85	23.00
5	16QAM	1	12	21.98	22.03	21.97	23.00
5	16QAM	1	24	21.74	21.88	21.73	23.00
5	16QAM	12	0	20.77	20.95	20.88	22.00
5	16QAM	12	7	20.95	21.00	20.98	22.00
5	16QAM	12	13	20.83	20.92	20.85	22.00
5	16QAM	25	0	20.92	21.11	20.89	22.00
5	64QAM	1	0	20.69	20.94	20.71	22.00
5	64QAM	1	12	20.72	20.87	20.81	22.00
5	64QAM	1	24	20.88	20.97	20.84	22.00
5	64QAM	12	0	19.68	19.90	19.81	21.00
5	64QAM	12	7	20.00	20.00	19.92	21.00
5	64QAM	12	13	19.74	19.88	19.69	21.00
5	64QAM	25	0	19.97	20.09	19.82	21.00
5	256QAM	1	0	17.80	17.92	17.89	19.00
5	256QAM	1	12	17.83	17.88	17.79	19.00
5	256QAM	1	24	17.85	18.02	17.90	19.00
5	256QAM	12	0	17.69	17.82	17.76	19.00
5	256QAM	12	7	17.90	17.99	17.85	19.00
5	256QAM	12	13	17.72	17.82	17.74	19.00
5	256QAM	25	0	17.73	17.92	17.86	19.00



<LTE Band 43 (96) 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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	22.11	22.14	22.09	23.00
20		1	49	21.89	21.97	21.82	23.00
20		1	99	21.69	21.86	21.73	23.00
20		50	0	22.06	22.09	22.05	23.00
20		50	24	21.92	22.05	21.89	23.00
20		50	50	21.78	21.87	21.79	23.00
20		100	0	22.07	22.11	21.95	23.00
20	16QAM	1	0	21.86	21.97	21.87	23.00
20		1	49	22.07	22.14	21.99	23.00
20		1	99	21.85	21.99	21.83	23.00
20		50	0	20.89	21.05	20.95	22.00
20		50	24	21.09	21.14	21.03	22.00
20		50	50	20.94	20.98	20.90	22.00
20		100	0	21.04	21.16	20.97	22.00
20	64QAM	1	0	20.81	20.97	20.84	22.00
20		1	49	20.78	20.93	20.84	22.00
20		1	99	20.94	21.06	20.88	22.00
20		50	0	19.82	19.92	19.84	21.00
20		50	24	20.07	20.13	20.07	21.00
20		50	50	19.82	19.97	19.80	21.00
20		100	0	20.02	20.14	19.95	21.00
20	256QAM	1	0	17.94	18.04	17.97	19.00
20		1	49	17.89	17.97	17.90	19.00
20		1	99	17.96	18.12	17.99	19.00
20		50	0	17.77	17.94	17.88	19.00
20		50	24	17.99	18.13	17.95	19.00
20		50	50	17.78	17.94	17.80	19.00
20		100	0	17.85	17.94	17.89	19.00
Channel				43665	44090	44515	Tune-up Limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	22.02	22.06	22.01	23.00
15		1	37	21.81	21.83	21.69	23.00
15		1	74	21.55	21.81	21.69	23.00
15		36	0	22.06	22.12	22.12	23.00
15		36	20	21.89	22.03	21.92	23.00
15		36	39	21.82	21.95	21.84	23.00
15		75	0	22.01	22.02	21.82	23.00
15	16QAM	1	0	21.80	21.89	21.75	23.00
15		1	37	21.97	22.00	21.85	23.00
15		1	74	21.80	21.86	21.73	23.00
15		36	0	20.82	21.00	20.87	22.00
15		36	20	21.06	21.10	20.98	22.00
15		36	39	20.80	20.95	20.79	22.00
15		75	0	20.99	21.04	20.87	22.00
15	64QAM	1	0	20.75	20.88	20.74	22.00
15		1	37	20.69	20.84	20.74	22.00
15		1	74	20.88	20.92	20.81	22.00
15		36	0	19.74	19.85	19.81	21.00
15		36	20	19.96	20.06	19.97	21.00
15		36	39	19.71	19.88	19.75	21.00
15		75	0	19.93	20.01	19.80	21.00
15	256QAM	1	0	17.80	17.98	17.93	19.00
15		1	37	17.76	17.88	17.82	19.00
15		1	74	17.88	18.01	17.94	19.00
15		36	0	17.62	17.89	17.85	19.00
15		36	20	17.95	18.10	17.81	19.00
15		36	39	17.69	17.87	17.67	19.00
15		75	0	17.77	17.82	17.80	19.00
Channel				43640	44090	44540	Tune-up Limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.98	22.10	22.00	23.00
10		1	25	21.80	21.90	21.74	23.00
10		1	49	21.64	21.84	21.70	23.00
10		25	0	22.11	22.13	22.04	23.00
10		25	12	21.96	22.02	21.87	23.00
10		25	25	21.85	21.95	21.75	23.00
10		50	0	21.98	22.02	21.93	23.00
10	16QAM	1	0	21.84	21.91	21.74	23.00
10		1	25	21.95	22.07	21.98	23.00
10		1	49	21.76	21.92	21.76	23.00



10		25	0	20.88	20.94	20.81	22.00
10		25	12	21.05	21.00	20.93	22.00
10		25	25	20.83	20.92	20.81	22.00
10		50	0	20.99	21.10	20.87	22.00
10	64QAM	1	0	20.80	20.90	20.73	22.00
10		1	25	20.71	20.84	20.80	22.00
10		1	49	20.87	20.95	20.82	22.00
10		25	0	19.70	19.90	19.80	21.00
10		25	12	19.97	20.03	19.92	21.00
10		25	25	19.77	19.88	19.71	21.00
10		50	0	19.97	20.07	19.83	21.00
10		256QAM	1	0	17.84	18.02	17.89
10	1		25	17.79	17.83	17.82	19.00
10	1		49	17.85	18.05	17.86	19.00
10	25		0	17.66	17.82	17.81	19.00
10	25		12	17.92	18.07	17.92	19.00
10	25		25	17.66	17.84	17.69	19.00
10	50		0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up Limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.96	22.03	22.02	23.00
5		1	12	21.80	21.88	21.70	23.00
5		1	24	21.62	21.74	21.72	23.00
5		12	0	22.11	22.11	22.12	23.00
5		12	7	21.91	22.12	21.89	23.00
5		12	13	21.83	21.82	21.79	23.00
5	16QAM	25	0	22.00	22.02	21.90	23.00
5		1	0	21.79	21.92	21.85	23.00
5		1	12	21.98	22.03	21.97	23.00
5		1	24	21.74	21.88	21.73	23.00
5		12	0	20.77	20.95	20.88	22.00
5		12	7	20.95	21.00	20.98	22.00
5	64QAM	12	13	20.83	20.92	20.85	22.00
5		25	0	20.92	21.11	20.89	22.00
5		1	0	20.69	20.94	20.71	22.00
5		1	12	20.72	20.87	20.81	22.00
5		1	24	20.88	20.97	20.84	22.00
5		12	0	19.68	19.90	19.81	21.00
5	256QAM	12	7	20.00	20.00	19.92	21.00
5		12	13	19.74	19.88	19.69	21.00
5		25	0	19.97	20.09	19.82	21.00
5		1	0	17.80	17.92	17.89	19.00
5		1	12	17.83	17.88	17.79	19.00
5		1	24	17.85	18.02	17.90	19.00
5		12	0	17.69	17.82	17.76	19.00
5		12	7	17.90	17.99	17.85	19.00
5		12	13	17.72	17.82	17.74	19.00
5		25	0	17.73	17.92	17.86	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	
Frequency (MHz)				3611	3650	3690	
20	QPSK	1	0	23.11	23.14	23.09	24.00
20	QPSK	1	49	22.89	22.97	22.82	24.00
20	QPSK	1	99	22.69	22.86	22.73	24.00
20	QPSK	50	0	22.16	22.19	22.15	23.00
20	QPSK	50	24	22.02	22.15	21.99	23.00
20	QPSK	50	50	21.88	21.97	21.89	23.00
20	QPSK	100	0	22.07	22.11	21.95	23.00
20	16QAM	1	0	21.86	21.97	21.87	23.00
20	16QAM	1	49	22.07	22.14	21.99	23.00
20	16QAM	1	99	21.85	21.99	21.83	23.00
20	16QAM	50	0	20.89	21.05	20.95	22.00
20	16QAM	50	24	21.09	21.14	21.03	22.00
20	16QAM	50	50	20.94	20.98	20.90	22.00
20	16QAM	100	0	21.04	21.16	20.97	22.00
20	64QAM	1	0	20.81	20.97	20.84	22.00
20	64QAM	1	49	20.78	20.93	20.84	22.00
20	64QAM	1	99	20.94	21.06	20.88	22.00
20	64QAM	50	0	19.82	19.92	19.84	21.00



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20	64QAM	50	24	20.07	20.13	20.07	21.00
20	64QAM	50	50	19.82	19.97	19.80	21.00
20	64QAM	100	0	20.02	20.14	19.95	21.00
20	256QAM	1	0	17.94	18.04	17.97	19.00
20	256QAM	1	49	17.89	17.97	17.90	19.00
20	256QAM	1	99	17.96	18.12	17.99	19.00
20	256QAM	50	0	17.77	17.94	17.88	19.00
20	256QAM	50	24	17.99	18.13	17.95	19.00
20	256QAM	50	50	17.78	17.94	17.80	19.00
20	256QAM	100	0	17.85	17.94	17.89	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	23.02	23.06	23.01	24.00
15	QPSK	1	37	22.81	22.83	22.69	24.00
15	QPSK	1	74	22.55	22.81	22.69	24.00
15	QPSK	36	0	22.06	22.12	22.12	23.00
15	QPSK	36	20	21.89	22.03	21.92	23.00
15	QPSK	36	39	21.82	21.95	21.84	23.00
15	QPSK	75	0	22.01	22.02	21.82	23.00
15	16QAM	1	0	21.80	21.89	21.75	23.00
15	16QAM	1	37	21.97	22.00	21.85	23.00
15	16QAM	1	74	21.80	21.86	21.73	23.00
15	16QAM	36	0	20.82	21.00	20.87	22.00
15	16QAM	36	20	21.06	21.10	20.98	22.00
15	16QAM	36	39	20.80	20.95	20.79	22.00
15	16QAM	75	0	20.99	21.04	20.87	22.00
15	64QAM	1	0	20.75	20.88	20.74	22.00
15	64QAM	1	37	20.69	20.84	20.74	22.00
15	64QAM	1	74	20.88	20.92	20.81	22.00
15	64QAM	36	0	19.74	19.85	19.81	21.00
15	64QAM	36	20	19.96	20.06	19.97	21.00
15	64QAM	36	39	19.71	19.88	19.75	21.00
15	64QAM	75	0	19.93	20.01	19.80	21.00
15	256QAM	1	0	17.80	17.98	17.93	19.00
15	256QAM	1	37	17.76	17.88	17.82	19.00
15	256QAM	1	74	17.88	18.01	17.94	19.00
15	256QAM	36	0	17.62	17.89	17.85	19.00
15	256QAM	36	20	17.95	18.10	17.81	19.00
15	256QAM	36	39	17.69	17.87	17.67	19.00
15	256QAM	75	0	17.77	17.82	17.80	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	22.98	23.10	23.00	24.00
10	QPSK	1	25	22.80	22.90	22.74	24.00
10	QPSK	1	49	22.64	22.84	22.70	24.00
10	QPSK	25	0	22.11	22.13	22.04	23.00
10	QPSK	25	12	21.96	22.02	21.87	23.00
10	QPSK	25	25	21.85	21.95	21.75	23.00
10	QPSK	50	0	21.98	22.02	21.93	23.00
10	16QAM	1	0	21.84	21.91	21.74	23.00
10	16QAM	1	25	21.95	22.07	21.98	23.00
10	16QAM	1	49	21.76	21.92	21.76	23.00
10	16QAM	25	0	20.88	20.94	20.81	22.00
10	16QAM	25	12	21.05	21.00	20.93	22.00
10	16QAM	25	25	20.83	20.92	20.81	22.00
10	16QAM	50	0	20.99	21.10	20.87	22.00
10	64QAM	1	0	20.80	20.90	20.73	22.00
10	64QAM	1	25	20.71	20.84	20.80	22.00
10	64QAM	1	49	20.87	20.95	20.82	22.00
10	64QAM	25	0	19.70	19.90	19.80	21.00
10	64QAM	25	12	19.97	20.03	19.92	21.00
10	64QAM	25	25	19.77	19.88	19.71	21.00
10	64QAM	50	0	19.97	20.07	19.83	21.00
10	256QAM	1	0	17.84	18.02	17.89	19.00
10	256QAM	1	25	17.79	17.83	17.82	19.00
10	256QAM	1	49	17.85	18.05	17.86	19.00
10	256QAM	25	0	17.66	17.82	17.81	19.00
10	256QAM	25	12	17.92	18.07	17.92	19.00
10	256QAM	25	25	17.66	17.84	17.69	19.00
10	256QAM	50	0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	22.96	23.03	23.02	24.00
5	QPSK	1	12	22.80	22.88	22.70	24.00
5	QPSK	1	24	22.62	22.74	22.72	24.00
5	QPSK	12	0	22.14	22.14	22.12	23.00
5	QPSK	12	7	21.91	22.12	21.89	23.00
5	QPSK	12	13	21.83	21.82	21.79	23.00



5	QPSK	25	0	22.00	22.02	21.90	23.00
5	16QAM	1	0	21.79	21.92	21.85	23.00
5	16QAM	1	12	21.98	22.03	21.97	23.00
5	16QAM	1	24	21.74	21.88	21.73	23.00
5	16QAM	12	0	20.77	20.95	20.88	22.00
5	16QAM	12	7	20.95	21.00	20.98	22.00
5	16QAM	12	13	20.83	20.92	20.85	22.00
5	16QAM	25	0	20.92	21.11	20.89	22.00
5	64QAM	1	0	20.69	20.94	20.71	22.00
5	64QAM	1	12	20.72	20.87	20.81	22.00
5	64QAM	1	24	20.88	20.97	20.84	22.00
5	64QAM	12	0	19.68	19.90	19.81	21.00
5	64QAM	12	7	20.00	20.00	19.92	21.00
5	64QAM	12	13	19.74	19.88	19.69	21.00
5	64QAM	25	0	19.97	20.09	19.82	21.00
5	256QAM	1	0	17.80	17.92	17.89	19.00
5	256QAM	1	12	17.83	17.88	17.79	19.00
5	256QAM	1	24	17.85	18.02	17.90	19.00
5	256QAM	12	0	17.69	17.82	17.76	19.00
5	256QAM	12	7	17.90	17.99	17.85	19.00
5	256QAM	12	13	17.72	17.82	17.74	19.00
5	256QAM	25	0	17.73	17.92	17.86	19.00

<LTE Band 43 (96)_Ant 4_DSI 12>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	15.85	15.89	15.81	17.30
20		1	49	15.71	15.76	15.77	17.30
20		1	99	15.72	15.75	15.75	17.30
20		50	0	15.76	15.87	15.70	17.30
20		50	24	15.64	15.61	15.66	17.30
20		50	50	15.61	15.63	15.67	17.30
20		100	0	15.77	15.79	15.78	17.30
20	16QAM	1	0	15.73	15.85	15.72	17.30
20		1	49	15.82	15.75	15.67	17.30
20		1	99	15.73	15.78	15.77	17.30
20		50	0	15.71	15.74	15.68	17.30
20		50	24	15.81	15.84	15.74	17.30
20		50	50	15.71	15.82	15.70	17.30
20		100	0	15.76	15.75	15.75	17.30
20	64QAM	1	0	15.72	15.73	15.68	17.30
20		1	49	15.75	15.74	15.75	17.30
20		1	99	15.73	15.74	15.71	17.30
20		50	0	15.75	15.79	15.76	17.30
20		50	24	15.73	15.76	15.76	17.30
20		50	50	15.73	15.77	15.74	17.30
20		100	0	15.72	15.76	15.67	17.30
20	256QAM	1	0	15.73	15.78	15.67	17.30
20		1	49	15.71	15.73	15.70	17.30
20		1	99	15.73	15.84	15.72	17.30
20		50	0	15.73	15.75	15.73	17.30
20		50	24	15.77	15.76	15.76	17.30
20		50	50	15.71	15.84	15.70	17.30
20		100	0	15.74	15.84	15.68	17.30
Channel				43665	44090	44515	
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	15.70	15.81	15.72	17.30
15		1	37	15.68	15.67	15.65	17.30
15		1	74	15.77	15.69	15.60	17.30
15		36	0	15.72	15.73	15.58	17.30
15		36	20	15.61	15.73	15.61	17.30
15		36	39	15.65	15.73	15.65	17.30
15		75	0	15.68	15.64	15.64	17.30
15	16QAM	1	0	15.69	15.76	15.62	17.30
15		1	37	15.68	15.61	15.57	17.30
15		1	74	15.63	15.65	15.63	17.30
15		36	0	15.69	15.73	15.55	17.30
15		36	20	15.72	15.77	15.70	17.30
15		36	39	15.64	15.80	15.61	17.30
15		75	0	15.68	15.63	15.62	17.30
15	64QAM	1	0	15.67	15.67	15.67	17.30
15		1	37	15.70	15.68	15.66	17.30
15		1	74	15.64	15.65	15.67	17.30



15		36	0	15.66	15.71	15.72	17.30
15		36	20	15.69	15.63	15.73	17.30
15		36	39	15.67	15.65	15.64	17.30
15		75	0	15.69	15.74	15.56	17.30
15	256QAM	1	0	15.67	15.65	15.65	17.30
15		1	37	15.58	15.69	15.60	17.30
15		1	74	15.59	15.74	15.68	17.30
15		36	0	15.63	15.71	15.70	17.30
15		36	20	15.75	15.75	15.72	17.30
15		36	39	15.58	15.79	15.57	17.30
15		75	0	15.68	15.72	15.56	17.30
Channel				43640	44090	44540	Tune-up Limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	15.80	15.87	15.71	17.30
10		1	25	15.69	15.71	15.75	17.30
10		1	49	15.80	15.64	15.66	17.30
10		25	0	15.70	15.77	15.67	17.30
10		25	12	15.63	15.75	15.71	17.30
10		25	25	15.59	15.82	15.60	17.30
10		50	0	15.67	15.71	15.75	17.30
10	16QAM	1	0	15.66	15.80	15.70	17.30
10		1	25	15.78	15.73	15.54	17.30
10		1	49	15.69	15.68	15.74	17.30
10		25	0	15.67	15.65	15.54	17.30
10		25	12	15.77	15.82	15.64	17.30
10		25	25	15.68	15.78	15.61	17.30
10		50	0	15.67	15.61	15.70	17.30
10	64QAM	1	0	15.59	15.62	15.60	17.30
10		1	25	15.67	15.70	15.73	17.30
10		1	49	15.62	15.69	15.69	17.30
10		25	0	15.72	15.67	15.63	17.30
10		25	12	15.71	15.63	15.74	17.30
10		25	25	15.66	15.75	15.71	17.30
10		50	0	15.69	15.63	15.62	17.30
10	256QAM	1	0	15.60	15.65	15.58	17.30
10		1	25	15.62	15.69	15.63	17.30
10		1	49	15.65	15.83	15.70	17.30
10		25	0	15.68	15.66	15.61	17.30
10		25	12	15.69	15.64	15.68	17.30
10		25	25	15.69	15.79	15.67	17.30
10		50	0	15.65	15.75	15.54	17.30
Channel				43615	44090	44565	Tune-up Limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	15.72	15.81	15.66	17.30
5		1	12	15.67	15.72	15.71	17.30
5		1	24	15.70	15.73	15.66	17.30
5		12	0	15.72	15.78	15.68	17.30
5		12	7	15.59	15.77	15.70	17.30
5		12	13	15.66	15.79	15.65	17.30
5		25	0	15.70	15.69	15.71	17.30
5	16QAM	1	0	15.64	15.76	15.60	17.30
5		1	12	15.79	15.61	15.60	17.30
5		1	24	15.68	15.70	15.74	17.30
5		12	0	15.68	15.68	15.62	17.30
5		12	7	15.73	15.81	15.67	17.30
5		12	13	15.62	15.75	15.55	17.30
5		25	0	15.73	15.72	15.74	17.30
5	64QAM	1	0	15.60	15.71	15.62	17.30
5		1	12	15.66	15.63	15.62	17.30
5		1	24	15.65	15.70	15.62	17.30
5		12	0	15.62	15.77	15.73	17.30
5		12	7	15.71	15.67	15.66	17.30
5		12	13	15.60	15.62	15.59	17.30
5		25	0	15.68	15.70	15.60	17.30
5	256QAM	1	0	15.59	15.72	15.61	17.30
5		1	12	15.67	15.71	15.64	17.30
5		1	24	15.70	15.73	15.60	17.30
5		12	0	15.63	15.64	15.59	17.30
5		12	7	15.63	15.68	15.64	17.30
5		12	13	15.62	15.72	15.60	17.30
5		25	0	15.67	15.78	15.62	17.30



<LTE Band 43 (96) 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				43690	44090	44490		
Frequency (MHz)				3610	3650	3690		
20	QPSK	1	0	22.11	22.14	22.09	23.00	
20		1	49	21.89	21.97	21.82	23.00	
20		1	99	21.69	21.86	21.73	23.00	
20		50	0	22.06	22.09	22.05	23.00	
20		50	24	21.92	22.05	21.89	23.00	
20		50	50	21.78	21.87	21.79	23.00	
20	16QAM	100	0	22.07	22.11	21.95	23.00	
20		1	0	21.86	21.97	21.87	23.00	
20		1	49	22.07	22.14	21.99	23.00	
20		1	99	21.85	21.99	21.83	23.00	
20		50	0	20.89	21.05	20.95	22.00	
20		50	24	21.09	21.14	21.03	22.00	
20	64QAM	50	50	20.94	20.98	20.90	22.00	
20		100	0	21.04	21.16	20.97	22.00	
20		1	0	20.81	20.97	20.84	22.00	
20		1	49	20.78	20.93	20.84	22.00	
20		1	99	20.94	21.06	20.88	22.00	
20		50	0	19.82	19.92	19.84	21.00	
20	256QAM	50	24	20.07	20.13	20.07	21.00	
20		50	50	19.82	19.97	19.80	21.00	
20		100	0	20.02	20.14	19.95	21.00	
20		1	0	17.94	18.04	17.97	19.00	
20		1	49	17.89	17.97	17.90	19.00	
20		1	99	17.96	18.12	17.99	19.00	
20	256QAM	50	0	17.77	17.94	17.88	19.00	
20		50	24	17.99	18.13	17.95	19.00	
20		50	50	17.78	17.94	17.80	19.00	
20		100	0	17.85	17.94	17.89	19.00	
Channel				43665	44090	44515	Tune-up Limit (dBm)	
Frequency (MHz)				3607.5	3650	3692.5		
15	QPSK	1	0	22.02	22.06	22.01	23.00	
15		1	37	21.81	21.83	21.69	23.00	
15		1	74	21.55	21.81	21.69	23.00	
15		36	0	22.06	22.12	22.12	23.00	
15		36	20	21.89	22.03	21.92	23.00	
15		36	39	21.82	21.95	21.84	23.00	
15	16QAM	75	0	22.01	22.02	21.82	23.00	
15		1	0	21.80	21.89	21.75	23.00	
15		1	37	21.97	22.00	21.85	23.00	
15		1	74	21.80	21.86	21.73	23.00	
15		36	0	20.82	21.00	20.87	22.00	
15		36	20	21.06	21.10	20.98	22.00	
15	64QAM	36	39	20.80	20.95	20.79	22.00	
15		75	0	20.99	21.04	20.87	22.00	
15		1	0	20.75	20.88	20.74	22.00	
15		1	37	20.69	20.84	20.74	22.00	
15		1	74	20.88	20.92	20.81	22.00	
15		36	0	19.74	19.85	19.81	21.00	
15	256QAM	36	20	19.96	20.06	19.97	21.00	
15		36	39	19.71	19.88	19.75	21.00	
15		75	0	19.93	20.01	19.80	21.00	
15		1	0	17.80	17.98	17.93	19.00	
15		1	37	17.76	17.88	17.82	19.00	
15		1	74	17.88	18.01	17.94	19.00	
15	256QAM	36	0	17.62	17.89	17.85	19.00	
15		36	20	17.95	18.10	17.81	19.00	
15		36	39	17.69	17.87	17.67	19.00	
15		75	0	17.77	17.82	17.80	19.00	
Channel				43640	44090	44540	Tune-up Limit (dBm)	
Frequency (MHz)				3605	3650	3695		
10	QPSK	1	0	21.98	22.10	22.00	23.00	
10		1	25	21.80	21.90	21.74	23.00	
10		1	49	21.64	21.84	21.70	23.00	
10		25	0	22.11	22.13	22.04	23.00	
10		25	12	21.96	22.02	21.87	23.00	
10		25	25	21.85	21.95	21.75	23.00	
10	16QAM	50	0	21.98	22.02	21.93	23.00	
10		1	0	21.84	21.91	21.74	23.00	
10		1	25	21.95	22.07	21.98	23.00	
10		1	49	21.76	21.92	21.76	23.00	
10		25	0	20.88	20.94	20.81	22.00	
10								



10	64QAM	25	12	21.05	21.00	20.93	22.00
10		25	25	20.83	20.92	20.81	22.00
10		50	0	20.99	21.10	20.87	22.00
10		1	0	20.80	20.90	20.73	22.00
10		1	25	20.71	20.84	20.80	22.00
10		1	49	20.87	20.95	20.82	22.00
10		25	0	19.70	19.90	19.80	21.00
10		25	12	19.97	20.03	19.92	21.00
10		25	25	19.77	19.88	19.71	21.00
10		50	0	19.97	20.07	19.83	21.00
10	256QAM	1	0	17.84	18.02	17.89	19.00
10		1	25	17.79	17.83	17.82	19.00
10		1	49	17.85	18.05	17.86	19.00
10		25	0	17.66	17.82	17.81	19.00
10		25	12	17.92	18.07	17.92	19.00
10		25	25	17.66	17.84	17.69	19.00
10		50	0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up Limit
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.96	22.03	22.02	23.00
5		1	12	21.80	21.88	21.70	23.00
5		1	24	21.62	21.74	21.72	23.00
5		12	0	22.11	22.11	22.12	23.00
5		12	7	21.91	22.12	21.89	23.00
5		12	13	21.83	21.82	21.79	23.00
5		25	0	22.00	22.02	21.90	23.00
5		1	0	21.79	21.92	21.85	23.00
5	16QAM	1	12	21.98	22.03	21.97	23.00
5		1	24	21.74	21.88	21.73	23.00
5		12	0	20.77	20.95	20.88	22.00
5		12	7	20.95	21.00	20.98	22.00
5		12	13	20.83	20.92	20.85	22.00
5		25	0	20.92	21.11	20.89	22.00
5		1	0	20.69	20.94	20.71	22.00
5		1	12	20.72	20.87	20.81	22.00
5	64QAM	1	24	20.88	20.97	20.84	22.00
5		12	0	19.68	19.90	19.81	21.00
5		12	7	20.00	20.00	19.92	21.00
5		12	13	19.74	19.88	19.69	21.00
5		25	0	19.97	20.09	19.82	21.00
5		1	0	17.80	17.92	17.89	19.00
5		1	12	17.83	17.88	17.79	19.00
5		1	24	17.85	18.02	17.90	19.00
5	256QAM	12	0	17.69	17.82	17.76	19.00
5		12	7	17.90	17.99	17.85	19.00
5		12	13	17.72	17.82	17.74	19.00
5		25	0	17.73	17.92	17.86	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.11	23.14	23.09	24.00
20	QPSK	1	49	22.89	22.97	22.82	24.00
20	QPSK	1	99	22.69	22.86	22.73	24.00
20	QPSK	50	0	22.16	22.19	22.15	23.00
20	QPSK	50	24	22.02	22.15	21.99	23.00
20	QPSK	50	50	21.88	21.97	21.89	23.00
20	QPSK	100	0	22.07	22.11	21.95	23.00
20	16QAM	1	0	21.86	21.97	21.87	23.00
20	16QAM	1	49	22.07	22.14	21.99	23.00
20	16QAM	1	99	21.85	21.99	21.83	23.00
20	16QAM	50	0	20.89	21.05	20.95	22.00
20	16QAM	50	24	21.09	21.14	21.03	22.00
20	16QAM	50	50	20.94	20.98	20.90	22.00
20	16QAM	100	0	21.04	21.16	20.97	22.00
20	64QAM	1	0	20.81	20.97	20.84	22.00
20	64QAM	1	49	20.78	20.93	20.84	22.00
20	64QAM	1	99	20.94	21.06	20.88	22.00
20	64QAM	50	0	19.82	19.92	19.84	21.00
20	64QAM	50	24	20.07	20.13	20.07	21.00



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20	64QAM	50	50	19.82	19.97	19.80	21.00
20	64QAM	100	0	20.02	20.14	19.95	21.00
20	256QAM	1	0	17.94	18.04	17.97	19.00
20	256QAM	1	49	17.89	17.97	17.90	19.00
20	256QAM	1	99	17.96	18.12	17.99	19.00
20	256QAM	50	0	17.77	17.94	17.88	19.00
20	256QAM	50	24	17.99	18.13	17.95	19.00
20	256QAM	50	50	17.78	17.94	17.80	19.00
20	256QAM	100	0	17.85	17.94	17.89	19.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	23.02	23.06	23.01	24.00
15	QPSK	1	37	22.81	22.83	22.69	24.00
15	QPSK	1	74	22.55	22.81	22.69	24.00
15	QPSK	36	0	22.06	22.12	22.12	23.00
15	QPSK	36	20	21.89	22.03	21.92	23.00
15	QPSK	36	39	21.82	21.95	21.84	23.00
15	QPSK	75	0	22.01	22.02	21.82	23.00
15	16QAM	1	0	21.80	21.89	21.75	23.00
15	16QAM	1	37	21.97	22.00	21.85	23.00
15	16QAM	1	74	21.80	21.86	21.73	23.00
15	16QAM	36	0	20.82	21.00	20.87	22.00
15	16QAM	36	20	21.06	21.10	20.98	22.00
15	16QAM	36	39	20.80	20.95	20.79	22.00
15	16QAM	75	0	20.99	21.04	20.87	22.00
15	64QAM	1	0	20.75	20.88	20.74	22.00
15	64QAM	1	37	20.69	20.84	20.74	22.00
15	64QAM	1	74	20.88	20.92	20.81	22.00
15	64QAM	36	0	19.74	19.85	19.81	21.00
15	64QAM	36	20	19.96	20.06	19.97	21.00
15	64QAM	36	39	19.71	19.88	19.75	21.00
15	64QAM	75	0	19.93	20.01	19.80	21.00
15	256QAM	1	0	17.80	17.98	17.93	19.00
15	256QAM	1	37	17.76	17.88	17.82	19.00
15	256QAM	1	74	17.88	18.01	17.94	19.00
15	256QAM	36	0	17.62	17.89	17.85	19.00
15	256QAM	36	20	17.95	18.10	17.81	19.00
15	256QAM	36	39	17.69	17.87	17.67	19.00
15	256QAM	75	0	17.77	17.82	17.80	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	22.98	23.10	23.00	24.00
10	QPSK	1	25	22.80	22.90	22.74	24.00
10	QPSK	1	49	22.64	22.84	22.70	24.00
10	QPSK	25	0	22.11	22.13	22.04	23.00
10	QPSK	25	12	21.96	22.02	21.87	23.00
10	QPSK	25	25	21.85	21.95	21.75	23.00
10	QPSK	50	0	21.98	22.02	21.93	23.00
10	16QAM	1	0	21.84	21.91	21.74	23.00
10	16QAM	1	25	21.95	22.07	21.98	23.00
10	16QAM	1	49	21.76	21.92	21.76	23.00
10	16QAM	25	0	20.88	20.94	20.81	22.00
10	16QAM	25	12	21.05	21.00	20.93	22.00
10	16QAM	25	25	20.83	20.92	20.81	22.00
10	16QAM	50	0	20.99	21.10	20.87	22.00
10	64QAM	1	0	20.80	20.90	20.73	22.00
10	64QAM	1	25	20.71	20.84	20.80	22.00
10	64QAM	1	49	20.87	20.95	20.82	22.00
10	64QAM	25	0	19.70	19.90	19.80	21.00
10	64QAM	25	12	19.97	20.03	19.92	21.00
10	64QAM	25	25	19.77	19.88	19.71	21.00
10	64QAM	50	0	19.97	20.07	19.83	21.00
10	256QAM	1	0	17.84	18.02	17.89	19.00
10	256QAM	1	25	17.79	17.83	17.82	19.00
10	256QAM	1	49	17.85	18.05	17.86	19.00
10	256QAM	25	0	17.66	17.82	17.81	19.00
10	256QAM	25	12	17.92	18.07	17.92	19.00
10	256QAM	25	25	17.66	17.84	17.69	19.00
10	256QAM	50	0	17.79	17.89	17.87	19.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	22.96	23.03	23.02	24.00
5	QPSK	1	12	22.80	22.88	22.70	24.00
5	QPSK	1	24	22.62	22.74	22.72	24.00
5	QPSK	12	0	22.14	22.14	22.12	23.00
5	QPSK	12	7	21.91	22.12	21.89	23.00
5	QPSK	12	13	21.83	21.82	21.79	23.00
5	QPSK	25	0	22.00	22.02	21.90	23.00

5	16QAM	1	0	21.79	21.92	21.85	23.00
5	16QAM	1	12	21.98	22.03	21.97	23.00
5	16QAM	1	24	21.74	21.88	21.73	23.00
5	16QAM	12	0	20.77	20.95	20.88	22.00
5	16QAM	12	7	20.95	21.00	20.98	22.00
5	16QAM	12	13	20.83	20.92	20.85	22.00
5	16QAM	25	0	20.92	21.11	20.89	22.00
5	64QAM	1	0	20.69	20.94	20.71	22.00
5	64QAM	1	12	20.72	20.87	20.81	22.00
5	64QAM	1	24	20.88	20.97	20.84	22.00
5	64QAM	12	0	19.68	19.90	19.81	21.00
5	64QAM	12	7	20.00	20.00	19.92	21.00
5	64QAM	12	13	19.74	19.88	19.69	21.00
5	64QAM	25	0	19.97	20.09	19.82	21.00
5	256QAM	1	0	17.80	17.92	17.89	19.00
5	256QAM	1	12	17.83	17.88	17.79	19.00
5	256QAM	1	24	17.85	18.02	17.90	19.00
5	256QAM	12	0	17.69	17.82	17.76	19.00
5	256QAM	12	7	17.90	17.99	17.85	19.00
5	256QAM	12	13	17.72	17.82	17.74	19.00
5	256QAM	25	0	17.73	17.92	17.86	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.83	21.86	21.85	23.00
20	QPSK	1	49	21.69	21.76	21.61	23.00
20	QPSK	1	99	21.40	21.55	21.47	23.00
20	QPSK	50	0	20.83	20.87	20.85	22.00
20	QPSK	50	24	20.68	20.78	20.69	22.00
20	QPSK	50	50	20.57	20.69	20.65	22.00
20	QPSK	100	0	20.69	20.84	20.75	22.00
20	16QAM	1	0	20.68	20.85	20.80	22.00
20	16QAM	1	49	20.75	20.87	20.74	22.00
20	16QAM	1	99	20.61	20.69	20.60	22.00
20	16QAM	50	0	19.56	19.74	19.62	21.00
20	16QAM	50	24	19.80	19.88	19.84	21.00
20	16QAM	50	50	19.67	19.82	19.77	21.00
20	16QAM	100	0	19.59	19.73	19.63	21.00
20	64QAM	1	0	19.76	19.86	19.82	21.00
20	64QAM	1	49	19.67	19.81	19.65	21.00
20	64QAM	1	99	19.54	19.70	19.65	21.00
20	64QAM	50	0	18.80	18.85	18.78	20.00
20	64QAM	50	24	18.65	18.71	18.61	20.00
20	64QAM	50	50	18.60	18.77	18.66	20.00
20	64QAM	100	0	18.75	18.81	18.74	20.00
20	256QAM	1	0	16.77	16.85	16.75	18.00
20	256QAM	1	49	16.74	16.81	16.73	18.00
20	256QAM	1	99	16.67	16.74	16.71	18.00
20	256QAM	50	0	16.66	16.79	16.69	18.00
20	256QAM	50	24	16.72	16.83	16.70	18.00
20	256QAM	50	50	16.66	16.73	16.65	18.00
20	256QAM	100	0	16.50	16.66	16.59	18.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.68	21.72	21.75	23.00
15	QPSK	1	37	21.56	21.74	21.52	23.00
15	QPSK	1	74	21.38	21.53	21.44	23.00
15	QPSK	36	0	20.75	20.84	20.72	22.00
15	QPSK	36	20	20.65	20.64	20.56	22.00
15	QPSK	36	39	20.43	20.68	20.52	22.00
15	QPSK	75	0	20.56	20.79	20.73	22.00
15	16QAM	1	0	20.61	20.83	20.75	22.00
15	16QAM	1	37	20.60	20.86	20.60	22.00
15	16QAM	1	74	20.57	20.59	20.53	22.00
15	16QAM	36	0	19.47	19.62	19.52	21.00
15	16QAM	36	20	19.66	19.78	19.74	21.00
15	16QAM	36	39	19.59	19.78	19.67	21.00
15	16QAM	75	0	19.55	19.65	19.59	21.00
15	64QAM	1	0	19.62	19.78	19.73	21.00



15	64QAM	1	37	19.64	19.75	19.56	21.00
15	64QAM	1	74	19.44	19.55	19.62	21.00
15	64QAM	36	0	18.65	18.80	18.74	20.00
15	64QAM	36	20	18.57	18.67	18.57	20.00
15	64QAM	36	39	18.58	18.73	18.62	20.00
15	64QAM	75	0	18.65	18.69	18.70	20.00
15	256QAM	1	0	16.66	16.82	16.62	18.00
15	256QAM	1	37	16.63	16.77	16.72	18.00
15	256QAM	1	74	16.58	16.69	16.66	18.00
15	256QAM	36	0	16.59	16.77	16.62	18.00
15	256QAM	36	20	16.65	16.76	16.66	18.00
15	256QAM	36	39	16.54	16.65	16.63	18.00
15	256QAM	75	0	16.47	16.64	16.49	18.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	21.74	21.80	21.71	23.00
10	QPSK	1	25	21.66	21.64	21.51	23.00
10	QPSK	1	49	21.25	21.52	21.36	23.00
10	QPSK	25	0	20.75	20.76	20.70	22.00
10	QPSK	25	12	20.58	20.73	20.64	22.00
10	QPSK	25	25	20.49	20.64	20.62	22.00
10	QPSK	50	0	20.62	20.81	20.73	22.00
10	16QAM	1	0	20.65	20.76	20.66	22.00
10	16QAM	1	25	20.66	20.82	20.68	22.00
10	16QAM	1	49	20.58	20.57	20.53	22.00
10	16QAM	25	0	19.48	19.62	19.52	21.00
10	16QAM	25	12	19.74	19.81	19.70	21.00
10	16QAM	25	25	19.65	19.69	19.70	21.00
10	16QAM	50	0	19.46	19.59	19.58	21.00
10	64QAM	1	0	19.67	19.82	19.74	21.00
10	64QAM	1	25	19.55	19.75	19.58	21.00
10	64QAM	1	49	19.41	19.63	19.58	21.00
10	64QAM	25	0	18.76	18.74	18.75	20.00
10	64QAM	25	12	18.52	18.64	18.49	20.00
10	64QAM	25	25	18.49	18.74	18.59	20.00
10	64QAM	50	0	18.61	18.72	18.64	20.00
10	256QAM	1	0	16.73	16.81	16.67	18.00
10	256QAM	1	25	16.70	16.67	16.59	18.00
10	256QAM	1	49	16.64	16.71	16.65	18.00
10	256QAM	25	0	16.56	16.72	16.58	18.00
10	256QAM	25	12	16.60	16.82	16.58	18.00
10	256QAM	25	25	16.63	16.71	16.61	18.00
10	256QAM	50	0	16.36	16.59	16.45	18.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	21.73	21.84	21.75	23.00
5	QPSK	1	12	21.59	21.67	21.59	23.00
5	QPSK	1	24	21.37	21.47	21.36	23.00
5	QPSK	12	0	20.81	20.75	20.71	22.00
5	QPSK	12	7	20.61	20.72	20.66	22.00
5	QPSK	12	13	20.52	20.57	20.61	22.00
5	QPSK	25	0	20.54	20.82	20.60	22.00
5	16QAM	1	0	20.58	20.76	20.77	22.00
5	16QAM	1	12	20.70	20.81	20.67	22.00
5	16QAM	1	24	20.48	20.54	20.54	22.00
5	16QAM	12	0	19.43	19.59	19.52	21.00
5	16QAM	12	7	19.72	19.84	19.80	21.00
5	16QAM	12	13	19.59	19.72	19.69	21.00
5	16QAM	25	0	19.49	19.62	19.57	21.00
5	64QAM	1	0	19.71	19.78	19.70	21.00
5	64QAM	1	12	19.57	19.73	19.57	21.00
5	64QAM	1	24	19.50	19.56	19.60	21.00
5	64QAM	12	0	18.72	18.76	18.68	20.00
5	64QAM	12	7	18.51	18.59	18.49	20.00
5	64QAM	12	13	18.45	18.69	18.55	20.00
5	64QAM	25	0	18.64	18.78	18.72	20.00
5	256QAM	1	0	16.68	16.70	16.73	18.00
5	256QAM	1	12	16.71	16.78	16.71	18.00
5	256QAM	1	24	16.56	16.72	16.64	18.00
5	256QAM	12	0	16.60	16.77	16.58	18.00
5	256QAM	12	7	16.70	16.79	16.56	18.00
5	256QAM	12	13	16.60	16.59	16.56	18.00
5	256QAM	25	0	16.46	16.57	16.49	18.00



【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_DSI 2】

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
43690	44090	44490		
Frequency (MHz)	3610	3650	3690	
20 QPSK 1 0	21.83	21.86	21.85	23.00
20 QPSK 1 49	21.69	21.76	21.61	23.00
20 QPSK 1 99	21.40	21.55	21.47	23.00
20 QPSK 50 0	20.83	20.87	20.85	22.00
20 QPSK 50 24	20.68	20.78	20.69	22.00
20 QPSK 50 50	20.57	20.69	20.65	22.00
20 QPSK 100 0	20.69	20.84	20.75	22.00
20 16QAM 1 0	20.68	20.85	20.80	22.00
20 16QAM 1 49	20.75	20.87	20.74	22.00
20 16QAM 1 99	20.61	20.69	20.60	22.00
20 16QAM 50 0	19.56	19.74	19.62	21.00
20 16QAM 50 24	19.80	19.88	19.84	21.00
20 16QAM 50 50	19.67	19.82	19.77	21.00
20 16QAM 100 0	19.59	19.73	19.63	21.00
20 64QAM 1 0	19.76	19.86	19.82	21.00
20 64QAM 1 49	19.67	19.81	19.65	21.00
20 64QAM 1 99	19.54	19.70	19.65	21.00
20 64QAM 50 0	18.80	18.85	18.78	20.00
20 64QAM 50 24	18.65	18.71	18.61	20.00
20 64QAM 50 50	18.60	18.77	18.66	20.00
20 64QAM 100 0	18.75	18.81	18.74	20.00
20 256QAM 1 0	16.77	16.85	16.75	18.00
20 256QAM 1 49	16.74	16.81	16.73	18.00
20 256QAM 1 99	16.67	16.74	16.71	18.00
20 256QAM 50 0	16.66	16.79	16.69	18.00
20 256QAM 50 24	16.72	16.83	16.70	18.00
20 256QAM 50 50	16.66	16.73	16.65	18.00
20 256QAM 100 0	16.50	16.66	16.59	18.00
Channel	43665	44090	44515	Tune-up limit
Frequency (MHz)	3607.5	3650	3692.5	(dBm)
15 QPSK 1 0	21.68	21.72	21.75	23.00
15 QPSK 1 37	21.56	21.74	21.52	23.00
15 QPSK 1 74	21.38	21.53	21.44	23.00
15 QPSK 36 0	20.75	20.84	20.72	22.00
15 QPSK 36 20	20.65	20.64	20.56	22.00
15 QPSK 36 39	20.43	20.68	20.52	22.00
15 QPSK 75 0	20.56	20.79	20.73	22.00
15 16QAM 1 0	20.61	20.83	20.75	22.00
15 16QAM 1 37	20.60	20.86	20.60	22.00
15 16QAM 1 74	20.57	20.59	20.53	22.00
15 16QAM 36 0	19.47	19.62	19.52	21.00
15 16QAM 36 20	19.66	19.78	19.74	21.00
15 16QAM 36 39	19.59	19.78	19.67	21.00
15 16QAM 75 0	19.55	19.65	19.59	21.00
15 64QAM 1 0	19.62	19.78	19.73	21.00
15 64QAM 1 37	19.64	19.75	19.56	21.00
15 64QAM 1 74	19.44	19.55	19.62	21.00
15 64QAM 36 0	18.65	18.80	18.74	20.00
15 64QAM 36 20	18.57	18.67	18.57	20.00
15 64QAM 36 39	18.58	18.73	18.62	20.00
15 64QAM 75 0	18.65	18.69	18.70	20.00
15 256QAM 1 0	16.66	16.82	16.62	18.00
15 256QAM 1 37	16.63	16.77	16.72	18.00
15 256QAM 1 74	16.58	16.69	16.66	18.00
15 256QAM 36 0	16.59	16.77	16.62	18.00
15 256QAM 36 20	16.65	16.76	16.66	18.00
15 256QAM 36 39	16.54	16.65	16.63	18.00
15 256QAM 75 0	16.47	16.64	16.49	18.00
Channel	43640	44090	44540	Tune-up limit
Frequency (MHz)	3605	3650	3695	(dBm)
10 QPSK 1 0	21.74	21.80	21.71	23.00
10 QPSK 1 25	21.66	21.64	21.51	23.00
10 QPSK 1 49	21.25	21.52	21.36	23.00
10 QPSK 25 0	20.75	20.76	20.70	22.00
10 QPSK 25 12	20.58	20.73	20.64	22.00
10 QPSK 25 25	20.49	20.64	20.62	22.00
10 QPSK 50 0	20.62	20.81	20.73	22.00
10 16QAM 1 0	20.65	20.76	20.66	22.00
10 16QAM 1 25	20.66	20.82	20.68	22.00
10 16QAM 1 49	20.58	20.57	20.53	22.00
10 16QAM 25 0	19.48	19.62	19.52	21.00
10 16QAM 25 12	19.74	19.81	19.70	21.00



10	16QAM	25	25	19.65	19.69	19.70	21.00
10	16QAM	50	0	19.46	19.59	19.58	21.00
10	64QAM	1	0	19.67	19.82	19.74	21.00
10	64QAM	1	25	19.55	19.75	19.58	21.00
10	64QAM	1	49	19.41	19.63	19.58	21.00
10	64QAM	25	0	18.76	18.74	18.75	20.00
10	64QAM	25	12	18.52	18.64	18.49	20.00
10	64QAM	25	25	18.49	18.74	18.59	20.00
10	64QAM	50	0	18.61	18.72	18.64	20.00
10	256QAM	1	0	16.73	16.81	16.67	18.00
10	256QAM	1	25	16.70	16.67	16.59	18.00
10	256QAM	1	49	16.64	16.71	16.65	18.00
10	256QAM	25	0	16.56	16.72	16.58	18.00
10	256QAM	25	12	16.60	16.82	16.58	18.00
10	256QAM	25	25	16.63	16.71	16.61	18.00
10	256QAM	50	0	16.36	16.59	16.45	18.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.73	21.84	21.75	23.00
5	QPSK	1	12	21.59	21.67	21.59	23.00
5	QPSK	1	24	21.37	21.47	21.36	23.00
5	QPSK	12	0	20.81	20.75	20.71	22.00
5	QPSK	12	7	20.61	20.72	20.66	22.00
5	QPSK	12	13	20.52	20.57	20.61	22.00
5	QPSK	25	0	20.54	20.82	20.60	22.00
5	16QAM	1	0	20.58	20.76	20.77	22.00
5	16QAM	1	12	20.70	20.81	20.67	22.00
5	16QAM	1	24	20.48	20.54	20.54	22.00
5	16QAM	12	0	19.43	19.59	19.52	21.00
5	16QAM	12	7	19.72	19.84	19.80	21.00
5	16QAM	12	13	19.59	19.72	19.69	21.00
5	16QAM	25	0	19.49	19.62	19.57	21.00
5	64QAM	1	0	19.71	19.78	19.70	21.00
5	64QAM	1	12	19.57	19.73	19.57	21.00
5	64QAM	1	24	19.50	19.56	19.60	21.00
5	64QAM	12	0	18.72	18.76	18.68	20.00
5	64QAM	12	7	18.51	18.59	18.49	20.00
5	64QAM	12	13	18.45	18.69	18.55	20.00
5	64QAM	25	0	18.64	18.78	18.72	20.00
5	256QAM	1	0	16.68	16.70	16.73	18.00
5	256QAM	1	12	16.71	16.78	16.71	18.00
5	256QAM	1	24	16.56	16.72	16.64	18.00
5	256QAM	12	0	16.60	16.77	16.58	18.00
5	256QAM	12	7	16.70	16.79	16.56	18.00
5	256QAM	12	13	16.60	16.59	16.56	18.00
5	256QAM	25	0	16.46	16.57	16.49	18.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.82	19.97	19.87	20.80
20	QPSK	1	49	19.42	19.70	19.51	20.80
20	QPSK	1	99	19.51	19.77	19.62	20.80
20	QPSK	50	0	19.75	19.80	19.77	20.80
20	QPSK	50	24	19.50	19.75	19.54	20.80
20	QPSK	50	50	19.63	19.79	19.57	20.80
20	QPSK	100	0	19.63	19.75	19.61	20.80
20	16QAM	1	0	19.56	19.81	19.67	20.80
20	16QAM	1	49	19.50	19.76	19.61	20.80
20	16QAM	1	99	19.44	19.73	19.53	20.80
20	16QAM	50	0	19.55	19.75	19.56	20.80
20	16QAM	50	24	19.51	19.74	19.60	20.80
20	16QAM	50	50	19.60	19.82	19.62	20.80
20	16QAM	100	0	19.65	19.82	19.62	20.80
20	64QAM	1	0	19.57	19.77	19.53	20.80
20	64QAM	1	49	19.58	19.85	19.64	20.80
20	64QAM	1	99	19.49	19.72	19.56	20.80
20	64QAM	50	0	18.54	18.74	18.53	20.00
20	64QAM	50	24	18.56	18.77	18.58	20.00
20	64QAM	50	50	18.63	18.81	18.64	20.00



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20	64QAM	100	0	18.55	18.84	18.70	20.00
20	256QAM	1	0	16.52	16.68	16.58	18.00
20	256QAM	1	49	16.52	16.78	16.68	18.00
20	256QAM	1	99	16.58	16.82	16.72	18.00
20	256QAM	50	0	16.58	16.81	16.70	18.00
20	256QAM	50	24	16.42	16.69	16.54	18.00
20	256QAM	50	50	16.57	16.78	16.62	18.00
20	256QAM	100	0	16.66	16.85	16.69	18.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	19.75	19.90	19.85	20.80
15	QPSK	1	37	19.37	19.60	19.36	20.80
15	QPSK	1	74	19.46	19.74	19.53	20.80
15	QPSK	36	0	19.62	19.66	19.75	20.80
15	QPSK	36	20	19.47	19.74	19.41	20.80
15	QPSK	36	39	19.54	19.77	19.51	20.80
15	QPSK	75	0	19.58	19.73	19.47	20.80
15	16QAM	1	0	19.41	19.70	19.56	20.80
15	16QAM	1	37	19.47	19.75	19.58	20.80
15	16QAM	1	74	19.33	19.62	19.46	20.80
15	16QAM	36	0	19.40	19.65	19.45	20.80
15	16QAM	36	20	19.49	19.68	19.58	20.80
15	16QAM	36	39	19.56	19.67	19.49	20.80
15	16QAM	75	0	19.53	19.73	19.51	20.80
15	64QAM	1	0	19.46	19.76	19.47	20.80
15	64QAM	1	37	19.55	19.70	19.50	20.80
15	64QAM	1	74	19.36	19.68	19.49	20.80
15	64QAM	36	0	18.50	18.60	18.41	20.00
15	64QAM	36	20	18.44	18.63	18.51	20.00
15	64QAM	36	39	18.50	18.67	18.61	20.00
15	64QAM	75	0	18.45	18.75	18.65	20.00
15	256QAM	1	0	16.39	16.58	16.47	18.00
15	256QAM	1	37	16.48	16.72	16.57	18.00
15	256QAM	1	74	16.44	16.74	16.61	18.00
15	256QAM	36	0	16.51	16.71	16.58	18.00
15	256QAM	36	20	16.36	16.61	16.45	18.00
15	256QAM	36	39	16.54	16.65	16.53	18.00
15	256QAM	75	0	16.60	16.72	16.61	18.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.72	19.87	19.76	20.80
10	QPSK	1	25	19.35	19.56	19.46	20.80
10	QPSK	1	49	19.43	19.71	19.50	20.80
10	QPSK	25	0	19.68	19.76	19.64	20.80
10	QPSK	25	12	19.38	19.71	19.48	20.80
10	QPSK	25	25	19.59	19.65	19.55	20.80
10	QPSK	50	0	19.55	19.66	19.52	20.80
10	16QAM	1	0	19.44	19.78	19.56	20.80
10	16QAM	1	25	19.38	19.67	19.52	20.80
10	16QAM	1	49	19.41	19.61	19.48	20.80
10	16QAM	25	0	19.47	19.66	19.47	20.80
10	16QAM	25	12	19.38	19.71	19.57	20.80
10	16QAM	25	25	19.57	19.72	19.60	20.80
10	16QAM	50	0	19.51	19.75	19.51	20.80
10	64QAM	1	0	19.52	19.75	19.45	20.80
10	64QAM	1	25	19.44	19.80	19.57	20.80
10	64QAM	1	49	19.44	19.57	19.53	20.80
10	64QAM	25	0	18.41	18.61	18.47	20.00
10	64QAM	25	12	18.42	18.70	18.51	20.00
10	64QAM	25	25	18.55	18.75	18.60	20.00
10	64QAM	50	0	18.44	18.75	18.66	20.00
10	256QAM	1	0	16.45	16.58	16.56	18.00
10	256QAM	1	25	16.50	16.69	16.65	18.00
10	256QAM	1	49	16.55	16.73	16.59	18.00
10	256QAM	25	0	16.44	16.70	16.55	18.00
10	256QAM	25	12	16.34	16.56	16.42	18.00
10	256QAM	25	25	16.50	16.72	16.50	18.00
10	256QAM	50	0	16.57	16.71	16.57	18.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	19.79	19.93	19.75	20.80
5	QPSK	1	12	19.40	19.60	19.41	20.80
5	QPSK	1	24	19.47	19.72	19.53	20.80
5	QPSK	12	0	19.66	19.78	19.69	20.80
5	QPSK	12	7	19.42	19.74	19.50	20.80
5	QPSK	12	13	19.52	19.74	19.47	20.80
5	QPSK	25	0	19.55	19.73	19.54	20.80
5	16QAM	1	0	19.46	19.74	19.62	20.80



5	16QAM	1	12	19.46	19.69	19.58	20.80
5	16QAM	1	24	19.40	19.60	19.49	20.80
5	16QAM	12	0	19.49	19.70	19.45	20.80
5	16QAM	12	7	19.42	19.72	19.59	20.80
5	16QAM	12	13	19.47	19.70	19.54	20.80
5	16QAM	25	0	19.61	19.79	19.55	20.80
5	64QAM	1	0	19.55	19.76	19.42	20.80
5	64QAM	1	12	19.47	19.76	19.54	20.80
5	64QAM	1	24	19.47	19.61	19.54	20.80
5	64QAM	12	0	18.39	18.63	18.51	20.00
5	64QAM	12	7	18.52	18.72	18.54	20.00
5	64QAM	12	13	18.50	18.76	18.53	20.00
5	64QAM	25	0	18.50	18.76	18.64	20.00
5	256QAM	1	0	16.40	16.56	16.55	18.00
5	256QAM	1	12	16.39	16.69	16.55	18.00
5	256QAM	1	24	16.52	16.80	16.62	18.00
5	256QAM	12	0	16.46	16.74	16.63	18.00
5	256QAM	12	7	16.39	16.65	16.52	18.00
5	256QAM	12	13	16.44	16.68	16.47	18.00
5	256QAM	25	0	16.55	16.80	16.59	18.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.83	21.86	21.85	23.00
20	QPSK	1	49	21.69	21.76	21.61	23.00
20	QPSK	1	99	21.40	21.55	21.47	23.00
20	QPSK	50	0	20.83	20.87	20.85	22.00
20	QPSK	50	24	20.68	20.78	20.69	22.00
20	QPSK	50	50	20.57	20.69	20.65	22.00
20	QPSK	100	0	20.69	20.84	20.75	22.00
20	16QAM	1	0	20.68	20.85	20.80	22.00
20	16QAM	1	49	20.75	20.87	20.74	22.00
20	16QAM	1	99	20.61	20.69	20.60	22.00
20	16QAM	50	0	19.56	19.74	19.62	21.00
20	16QAM	50	24	19.80	19.88	19.84	21.00
20	16QAM	50	50	19.67	19.82	19.77	21.00
20	16QAM	100	0	19.59	19.73	19.63	21.00
20	64QAM	1	0	19.76	19.86	19.82	21.00
20	64QAM	1	49	19.67	19.81	19.65	21.00
20	64QAM	1	99	19.54	19.70	19.65	21.00
20	64QAM	50	0	18.80	18.85	18.78	20.00
20	64QAM	50	24	18.65	18.71	18.61	20.00
20	64QAM	50	50	18.60	18.77	18.66	20.00
20	64QAM	100	0	18.75	18.81	18.74	20.00
20	256QAM	1	0	16.77	16.85	16.75	18.00
20	256QAM	1	49	16.74	16.81	16.73	18.00
20	256QAM	1	99	16.67	16.74	16.71	18.00
20	256QAM	50	0	16.66	16.79	16.69	18.00
20	256QAM	50	24	16.72	16.83	16.70	18.00
20	256QAM	50	50	16.66	16.73	16.65	18.00
20	256QAM	100	0	16.50	16.66	16.59	18.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.68	21.72	21.75	23.00
15	QPSK	1	37	21.56	21.74	21.52	23.00
15	QPSK	1	74	21.38	21.53	21.44	23.00
15	QPSK	36	0	20.75	20.84	20.72	22.00
15	QPSK	36	20	20.65	20.64	20.56	22.00
15	QPSK	36	39	20.43	20.68	20.52	22.00
15	QPSK	75	0	20.56	20.79	20.73	22.00
15	16QAM	1	0	20.61	20.83	20.75	22.00
15	16QAM	1	37	20.60	20.86	20.60	22.00
15	16QAM	1	74	20.57	20.59	20.53	22.00
15	16QAM	36	0	19.47	19.62	19.52	21.00
15	16QAM	36	20	19.66	19.78	19.74	21.00
15	16QAM	36	39	19.59	19.78	19.67	21.00
15	16QAM	75	0	19.55	19.65	19.59	21.00
15	64QAM	1	0	19.62	19.78	19.73	21.00
15	64QAM	1	37	19.64	19.75	19.56	21.00



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15	64QAM	1	74	19.44	19.55	19.62	21.00
15	64QAM	36	0	18.65	18.80	18.74	20.00
15	64QAM	36	20	18.57	18.67	18.57	20.00
15	64QAM	36	39	18.58	18.73	18.62	20.00
15	64QAM	75	0	18.65	18.69	18.70	20.00
15	256QAM	1	0	16.66	16.82	16.62	18.00
15	256QAM	1	37	16.63	16.77	16.72	18.00
15	256QAM	1	74	16.58	16.69	16.66	18.00
15	256QAM	36	0	16.59	16.77	16.62	18.00
15	256QAM	36	20	16.65	16.76	16.66	18.00
15	256QAM	36	39	16.54	16.65	16.63	18.00
15	256QAM	75	0	16.47	16.64	16.49	18.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	21.74	21.80	21.71	23.00
10	QPSK	1	25	21.66	21.64	21.51	23.00
10	QPSK	1	49	21.25	21.52	21.36	23.00
10	QPSK	25	0	20.75	20.76	20.70	22.00
10	QPSK	25	12	20.58	20.73	20.64	22.00
10	QPSK	25	25	20.49	20.64	20.62	22.00
10	QPSK	50	0	20.62	20.81	20.73	22.00
10	16QAM	1	0	20.65	20.76	20.66	22.00
10	16QAM	1	25	20.66	20.82	20.68	22.00
10	16QAM	1	49	20.58	20.57	20.53	22.00
10	16QAM	25	0	19.48	19.62	19.52	21.00
10	16QAM	25	12	19.74	19.81	19.70	21.00
10	16QAM	25	25	19.65	19.69	19.70	21.00
10	16QAM	50	0	19.46	19.59	19.58	21.00
10	64QAM	1	0	19.67	19.82	19.74	21.00
10	64QAM	1	25	19.55	19.75	19.58	21.00
10	64QAM	1	49	19.41	19.63	19.58	21.00
10	64QAM	25	0	18.76	18.74	18.75	20.00
10	64QAM	25	12	18.52	18.64	18.49	20.00
10	64QAM	25	25	18.49	18.74	18.59	20.00
10	64QAM	50	0	18.61	18.72	18.64	20.00
10	256QAM	1	0	16.73	16.81	16.67	18.00
10	256QAM	1	25	16.70	16.67	16.59	18.00
10	256QAM	1	49	16.64	16.71	16.65	18.00
10	256QAM	25	0	16.56	16.72	16.58	18.00
10	256QAM	25	12	16.60	16.82	16.58	18.00
10	256QAM	25	25	16.63	16.71	16.61	18.00
10	256QAM	50	0	16.36	16.59	16.45	18.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	21.73	21.84	21.75	23.00
5	QPSK	1	12	21.59	21.67	21.59	23.00
5	QPSK	1	24	21.37	21.47	21.36	23.00
5	QPSK	12	0	20.81	20.75	20.71	22.00
5	QPSK	12	7	20.61	20.72	20.66	22.00
5	QPSK	12	13	20.52	20.57	20.61	22.00
5	QPSK	25	0	20.54	20.82	20.60	22.00
5	16QAM	1	0	20.58	20.76	20.77	22.00
5	16QAM	1	12	20.70	20.81	20.67	22.00
5	16QAM	1	24	20.48	20.54	20.54	22.00
5	16QAM	12	0	19.43	19.59	19.52	21.00
5	16QAM	12	7	19.72	19.84	19.80	21.00
5	16QAM	12	13	19.59	19.72	19.69	21.00
5	16QAM	25	0	19.49	19.62	19.57	21.00
5	64QAM	1	0	19.71	19.78	19.70	21.00
5	64QAM	1	12	19.57	19.73	19.57	21.00
5	64QAM	1	24	19.50	19.56	19.60	21.00
5	64QAM	12	0	18.72	18.76	18.68	20.00
5	64QAM	12	7	18.51	18.59	18.49	20.00
5	64QAM	12	13	18.45	18.69	18.55	20.00
5	64QAM	25	0	18.64	18.78	18.72	20.00
5	256QAM	1	0	16.68	16.70	16.73	18.00
5	256QAM	1	12	16.71	16.78	16.71	18.00
5	256QAM	1	24	16.56	16.72	16.64	18.00
5	256QAM	12	0	16.60	16.77	16.58	18.00
5	256QAM	12	7	16.70	16.79	16.56	18.00
5	256QAM	12	13	16.60	16.59	16.56	18.00
5	256QAM	25	0	16.46	16.57	16.49	18.00



【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	16.95	16.99	16.91	18.40
20	QPSK	1	49	16.73	16.89	16.86	18.40
20	QPSK	1	99	16.79	16.90	16.86	18.40
20	QPSK	50	0	16.85	16.97	16.83	18.40
20	QPSK	50	24	16.80	16.84	16.77	18.40
20	QPSK	50	50	16.80	16.86	16.81	18.40
20	QPSK	100	0	16.83	16.92	16.84	18.40
20	16QAM	1	0	16.81	16.90	16.77	18.40
20	16QAM	1	49	16.86	16.91	16.85	18.40
20	16QAM	1	99	16.88	16.89	16.78	18.40
20	16QAM	50	0	16.89	16.84	16.82	18.40
20	16QAM	50	24	16.82	16.91	16.85	18.40
20	16QAM	50	50	16.92	16.89	16.76	18.40
20	16QAM	100	0	16.86	16.88	16.83	18.40
20	64QAM	1	0	16.83	16.85	16.83	18.40
20	64QAM	1	49	16.86	16.91	16.82	18.40
20	64QAM	1	99	16.90	16.83	16.85	18.40
20	64QAM	50	0	16.80	16.85	16.87	18.40
20	64QAM	50	24	16.85	16.94	16.82	18.40
20	64QAM	50	50	16.87	16.92	16.88	18.40
20	64QAM	100	0	16.84	16.86	16.85	18.40
20	256QAM	1	0	16.86	16.90	16.88	18.00
20	256QAM	1	49	16.92	16.90	16.88	18.00
20	256QAM	1	99	16.82	16.95	16.85	18.00
20	256QAM	50	0	16.87	16.94	16.84	18.00
20	256QAM	50	24	16.86	16.93	16.82	18.00
20	256QAM	50	50	16.81	16.86	16.77	18.00
20	256QAM	100	0	16.84	16.85	16.82	18.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	16.85	16.91	16.84	18.40
15	QPSK	1	37	16.72	16.74	16.75	18.40
15	QPSK	1	74	16.82	16.86	16.74	18.40
15	QPSK	36	0	16.78	16.92	16.71	18.40
15	QPSK	36	20	16.79	16.80	16.67	18.40
15	QPSK	36	39	16.73	16.78	16.67	18.40
15	QPSK	75	0	16.73	16.81	16.76	18.40
15	16QAM	1	0	16.75	16.85	16.65	18.40
15	16QAM	1	37	16.83	16.83	16.77	18.40
15	16QAM	1	74	16.78	16.84	16.73	18.40
15	16QAM	36	0	16.79	16.80	16.76	18.40
15	16QAM	36	20	16.78	16.88	16.71	18.40
15	16QAM	36	39	16.88	16.77	16.62	18.40
15	16QAM	75	0	16.82	16.84	16.72	18.40
15	64QAM	1	0	16.71	16.81	16.77	18.40
15	64QAM	1	37	16.82	16.78	16.70	18.40
15	64QAM	1	74	16.84	16.76	16.71	18.40
15	64QAM	36	0	16.76	16.82	16.78	18.40
15	64QAM	36	20	16.74	16.88	16.70	18.40
15	64QAM	36	39	16.81	16.79	16.82	18.40
15	64QAM	75	0	16.71	16.72	16.80	18.40
15	256QAM	1	0	16.84	16.84	16.75	18.00
15	256QAM	1	37	16.89	16.82	16.81	18.00
15	256QAM	1	74	16.77	16.80	16.72	18.00
15	256QAM	36	0	16.81	16.85	16.74	18.00
15	256QAM	36	20	16.80	16.85	16.69	18.00
15	256QAM	36	39	16.72	16.74	16.64	18.00
15	256QAM	75	0	16.75	16.76	16.77	18.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	16.91	16.96	16.85	18.40
10	QPSK	1	25	16.71	16.75	16.84	18.40
10	QPSK	1	49	16.76	16.83	16.79	18.40
10	QPSK	25	0	16.73	16.89	16.68	18.40
10	QPSK	25	12	16.76	16.80	16.66	18.40
10	QPSK	25	25	16.73	16.74	16.79	18.40
10	QPSK	50	0	16.83	16.81	16.75	18.40
10	16QAM	1	0	16.79	16.82	16.74	18.40
10	16QAM	1	25	16.78	16.81	16.84	18.40
10	16QAM	1	49	16.81	16.74	16.74	18.40
10	16QAM	25	0	16.84	16.82	16.69	18.40
10	16QAM	25	12	16.78	16.88	16.76	18.40



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10	16QAM	25	25	16.86	16.88	16.65	18.40
10	16QAM	50	0	16.75	16.79	16.76	18.40
10	64QAM	1	0	16.80	16.82	16.71	18.40
10	64QAM	1	25	16.76	16.80	16.75	18.40
10	64QAM	1	49	16.79	16.70	16.76	18.40
10	64QAM	25	0	16.66	16.74	16.74	18.40
10	64QAM	25	12	16.81	16.90	16.73	18.40
10	64QAM	25	25	16.80	16.89	16.86	18.40
10	64QAM	50	0	16.81	16.73	16.75	18.40
10	256QAM	1	0	16.79	16.81	16.85	18.00
10	256QAM	1	25	16.82	16.83	16.82	18.00
10	256QAM	1	49	16.76	16.91	16.75	18.00
10	256QAM	25	0	16.84	16.81	16.69	18.00
10	256QAM	25	12	16.74	16.82	16.73	18.00
10	256QAM	25	25	16.76	16.74	16.71	18.00
10	256QAM	50	0	16.72	16.81	16.74	18.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	16.90	16.95	16.81	18.40
5	QPSK	1	12	16.75	16.80	16.84	18.40
5	QPSK	1	24	16.86	16.87	16.79	18.40
5	QPSK	12	0	16.72	16.95	16.70	18.40
5	QPSK	12	7	16.75	16.75	16.73	18.40
5	QPSK	12	13	16.77	16.84	16.75	18.40
5	QPSK	25	0	16.75	16.89	16.76	18.40
5	16QAM	1	0	16.73	16.87	16.76	18.40
5	16QAM	1	12	16.75	16.81	16.76	18.40
5	16QAM	1	24	16.83	16.84	16.68	18.40
5	16QAM	12	0	16.85	16.69	16.80	18.40
5	16QAM	12	7	16.73	16.86	16.77	18.40
5	16QAM	12	13	16.81	16.82	16.68	18.40
5	16QAM	25	0	16.84	16.84	16.71	18.40
5	64QAM	1	0	16.80	16.79	16.74	18.40
5	64QAM	1	12	16.79	16.81	16.74	18.40
5	64QAM	1	24	16.76	16.75	16.82	18.40
5	64QAM	12	0	16.68	16.78	16.74	18.40
5	64QAM	12	7	16.72	16.87	16.71	18.40
5	64QAM	12	13	16.77	16.91	16.80	18.40
5	64QAM	25	0	16.71	16.74	16.81	18.40
5	256QAM	1	0	16.81	16.79	16.84	18.00
5	256QAM	1	12	16.82	16.80	16.78	18.00
5	256QAM	1	24	16.72	16.81	16.72	18.00
5	256QAM	12	0	16.73	16.89	16.72	18.00
5	256QAM	12	7	16.73	16.91	16.79	18.00
5	256QAM	12	13	16.79	16.80	16.68	18.00
5	256QAM	25	0	16.76	16.83	16.80	18.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.82	19.97	19.87	20.80
20	QPSK	1	49	19.42	19.70	19.51	20.80
20	QPSK	1	99	19.51	19.77	19.62	20.80
20	QPSK	50	0	19.75	19.80	19.77	20.80
20	QPSK	50	24	19.50	19.75	19.54	20.80
20	QPSK	50	50	19.63	19.79	19.57	20.80
20	QPSK	100	0	19.63	19.75	19.61	20.80
20	16QAM	1	0	19.56	19.81	19.67	20.80
20	16QAM	1	49	19.50	19.76	19.61	20.80
20	16QAM	1	99	19.44	19.73	19.53	20.80
20	16QAM	50	0	19.55	19.75	19.56	20.80
20	16QAM	50	24	19.51	19.74	19.60	20.80
20	16QAM	50	50	19.60	19.82	19.62	20.80
20	16QAM	100	0	19.65	19.82	19.62	20.80
20	64QAM	1	0	19.57	19.77	19.53	20.80
20	64QAM	1	49	19.58	19.85	19.64	20.80
20	64QAM	1	99	19.49	19.72	19.56	20.80
20	64QAM	50	0	18.54	18.74	18.53	20.00
20	64QAM	50	24	18.56	18.77	18.58	20.00
20	64QAM	50	50	18.63	18.81	18.64	20.00



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20	64QAM	100	0	18.55	18.84	18.70	20.00
20	256QAM	1	0	16.52	16.68	16.58	18.00
20	256QAM	1	49	16.52	16.78	16.68	18.00
20	256QAM	1	99	16.58	16.82	16.72	18.00
20	256QAM	50	0	16.58	16.81	16.70	18.00
20	256QAM	50	24	16.42	16.69	16.54	18.00
20	256QAM	50	50	16.57	16.78	16.62	18.00
20	256QAM	100	0	16.66	16.85	16.69	18.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	19.75	19.90	19.85	20.80
15	QPSK	1	37	19.37	19.60	19.36	20.80
15	QPSK	1	74	19.46	19.74	19.53	20.80
15	QPSK	36	0	19.62	19.66	19.75	20.80
15	QPSK	36	20	19.47	19.74	19.41	20.80
15	QPSK	36	39	19.54	19.77	19.51	20.80
15	QPSK	75	0	19.58	19.73	19.47	20.80
15	16QAM	1	0	19.41	19.70	19.56	20.80
15	16QAM	1	37	19.47	19.75	19.58	20.80
15	16QAM	1	74	19.33	19.62	19.46	20.80
15	16QAM	36	0	19.40	19.65	19.45	20.80
15	16QAM	36	20	19.49	19.68	19.58	20.80
15	16QAM	36	39	19.56	19.67	19.49	20.80
15	16QAM	75	0	19.53	19.73	19.51	20.80
15	64QAM	1	0	19.46	19.76	19.47	20.80
15	64QAM	1	37	19.55	19.70	19.50	20.80
15	64QAM	1	74	19.36	19.68	19.49	20.80
15	64QAM	36	0	18.50	18.60	18.41	20.00
15	64QAM	36	20	18.44	18.63	18.51	20.00
15	64QAM	36	39	18.50	18.67	18.61	20.00
15	64QAM	75	0	18.45	18.75	18.65	20.00
15	256QAM	1	0	16.39	16.58	16.47	18.00
15	256QAM	1	37	16.48	16.72	16.57	18.00
15	256QAM	1	74	16.44	16.74	16.61	18.00
15	256QAM	36	0	16.51	16.71	16.58	18.00
15	256QAM	36	20	16.36	16.61	16.45	18.00
15	256QAM	36	39	16.54	16.65	16.53	18.00
15	256QAM	75	0	16.60	16.72	16.61	18.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.72	19.87	19.76	20.80
10	QPSK	1	25	19.35	19.56	19.46	20.80
10	QPSK	1	49	19.43	19.71	19.50	20.80
10	QPSK	25	0	19.68	19.76	19.64	20.80
10	QPSK	25	12	19.38	19.71	19.48	20.80
10	QPSK	25	25	19.59	19.65	19.55	20.80
10	QPSK	50	0	19.55	19.66	19.52	20.80
10	16QAM	1	0	19.44	19.78	19.56	20.80
10	16QAM	1	25	19.38	19.67	19.52	20.80
10	16QAM	1	49	19.41	19.61	19.48	20.80
10	16QAM	25	0	19.47	19.66	19.47	20.80
10	16QAM	25	12	19.38	19.71	19.57	20.80
10	16QAM	25	25	19.57	19.72	19.60	20.80
10	16QAM	50	0	19.51	19.75	19.51	20.80
10	64QAM	1	0	19.52	19.75	19.45	20.80
10	64QAM	1	25	19.44	19.80	19.57	20.80
10	64QAM	1	49	19.44	19.57	19.53	20.80
10	64QAM	25	0	18.41	18.61	18.47	20.00
10	64QAM	25	12	18.42	18.70	18.51	20.00
10	64QAM	25	25	18.55	18.75	18.60	20.00
10	64QAM	50	0	18.44	18.75	18.66	20.00
10	256QAM	1	0	16.45	16.58	16.56	18.00
10	256QAM	1	25	16.50	16.69	16.65	18.00
10	256QAM	1	49	16.55	16.73	16.59	18.00
10	256QAM	25	0	16.44	16.70	16.55	18.00
10	256QAM	25	12	16.34	16.56	16.42	18.00
10	256QAM	25	25	16.50	16.72	16.50	18.00
10	256QAM	50	0	16.57	16.71	16.57	18.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	19.79	19.93	19.75	20.80
5	QPSK	1	12	19.40	19.60	19.41	20.80
5	QPSK	1	24	19.47	19.72	19.53	20.80
5	QPSK	12	0	19.66	19.78	19.69	20.80
5	QPSK	12	7	19.42	19.74	19.50	20.80
5	QPSK	12	13	19.52	19.74	19.47	20.80
5	QPSK	25	0	19.55	19.73	19.54	20.80
5	16QAM	1	0	19.46	19.74	19.62	20.80



5	16QAM	1	12	19.46	19.69	19.58	20.80
5	16QAM	1	24	19.40	19.60	19.49	20.80
5	16QAM	12	0	19.49	19.70	19.45	20.80
5	16QAM	12	7	19.42	19.72	19.59	20.80
5	16QAM	12	13	19.47	19.70	19.54	20.80
5	16QAM	25	0	19.61	19.79	19.55	20.80
5	64QAM	1	0	19.55	19.76	19.42	20.80
5	64QAM	1	12	19.47	19.76	19.54	20.80
5	64QAM	1	24	19.47	19.61	19.54	20.80
5	64QAM	12	0	18.39	18.63	18.51	20.00
5	64QAM	12	7	18.52	18.72	18.54	20.00
5	64QAM	12	13	18.50	18.76	18.53	20.00
5	64QAM	25	0	18.50	18.76	18.64	20.00
5	256QAM	1	0	16.40	16.56	16.55	18.00
5	256QAM	1	12	16.39	16.69	16.55	18.00
5	256QAM	1	24	16.52	16.80	16.62	18.00
5	256QAM	12	0	16.46	16.74	16.63	18.00
5	256QAM	12	7	16.39	16.65	16.52	18.00
5	256QAM	12	13	16.44	16.68	16.47	18.00
5	256QAM	25	0	16.55	16.80	16.59	18.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.83	21.86	21.85	23.00
20	QPSK	1	49	21.69	21.76	21.61	23.00
20	QPSK	1	99	21.40	21.55	21.47	23.00
20	QPSK	50	0	20.83	20.87	20.85	22.00
20	QPSK	50	24	20.68	20.78	20.69	22.00
20	QPSK	50	50	20.57	20.69	20.65	22.00
20	QPSK	100	0	20.69	20.84	20.75	22.00
20	16QAM	1	0	20.68	20.85	20.80	22.00
20	16QAM	1	49	20.75	20.87	20.74	22.00
20	16QAM	1	99	20.61	20.69	20.60	22.00
20	16QAM	50	0	19.56	19.74	19.62	21.00
20	16QAM	50	24	19.80	19.88	19.84	21.00
20	16QAM	50	50	19.67	19.82	19.77	21.00
20	16QAM	100	0	19.59	19.73	19.63	21.00
20	64QAM	1	0	19.76	19.86	19.82	21.00
20	64QAM	1	49	19.67	19.81	19.65	21.00
20	64QAM	1	99	19.54	19.70	19.65	21.00
20	64QAM	50	0	18.80	18.85	18.78	20.00
20	64QAM	50	24	18.65	18.71	18.61	20.00
20	64QAM	50	50	18.60	18.77	18.66	20.00
20	64QAM	100	0	18.75	18.81	18.74	20.00
20	256QAM	1	0	16.77	16.85	16.75	18.00
20	256QAM	1	49	16.74	16.81	16.73	18.00
20	256QAM	1	99	16.67	16.74	16.71	18.00
20	256QAM	50	0	16.66	16.79	16.69	18.00
20	256QAM	50	24	16.72	16.83	16.70	18.00
20	256QAM	50	50	16.66	16.73	16.65	18.00
20	256QAM	100	0	16.50	16.66	16.59	18.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.68	21.72	21.75	23.00
15	QPSK	1	37	21.56	21.74	21.52	23.00
15	QPSK	1	74	21.38	21.53	21.44	23.00
15	QPSK	36	0	20.75	20.84	20.72	22.00
15	QPSK	36	20	20.65	20.64	20.56	22.00
15	QPSK	36	39	20.43	20.68	20.52	22.00
15	QPSK	75	0	20.56	20.79	20.73	22.00
15	16QAM	1	0	20.61	20.83	20.75	22.00
15	16QAM	1	37	20.60	20.86	20.60	22.00
15	16QAM	1	74	20.57	20.59	20.53	22.00
15	16QAM	36	0	19.47	19.62	19.52	21.00
15	16QAM	36	20	19.66	19.78	19.74	21.00
15	16QAM	36	39	19.59	19.78	19.67	21.00
15	16QAM	75	0	19.55	19.65	19.59	21.00
15	64QAM	1	0	19.62	19.78	19.73	21.00
15	64QAM	1	37	19.64	19.75	19.56	21.00



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15	64QAM	1	74	19.44	19.55	19.62	21.00
15	64QAM	36	0	18.65	18.80	18.74	20.00
15	64QAM	36	20	18.57	18.67	18.57	20.00
15	64QAM	36	39	18.58	18.73	18.62	20.00
15	64QAM	75	0	18.65	18.69	18.70	20.00
15	256QAM	1	0	16.66	16.82	16.62	18.00
15	256QAM	1	37	16.63	16.77	16.72	18.00
15	256QAM	1	74	16.58	16.69	16.66	18.00
15	256QAM	36	0	16.59	16.77	16.62	18.00
15	256QAM	36	20	16.65	16.76	16.66	18.00
15	256QAM	36	39	16.54	16.65	16.63	18.00
15	256QAM	75	0	16.47	16.64	16.49	18.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	21.74	21.80	21.71	23.00
10	QPSK	1	25	21.66	21.64	21.51	23.00
10	QPSK	1	49	21.25	21.52	21.36	23.00
10	QPSK	25	0	20.75	20.76	20.70	22.00
10	QPSK	25	12	20.58	20.73	20.64	22.00
10	QPSK	25	25	20.49	20.64	20.62	22.00
10	QPSK	50	0	20.62	20.81	20.73	22.00
10	16QAM	1	0	20.65	20.76	20.66	22.00
10	16QAM	1	25	20.66	20.82	20.68	22.00
10	16QAM	1	49	20.58	20.57	20.53	22.00
10	16QAM	25	0	19.48	19.62	19.52	21.00
10	16QAM	25	12	19.74	19.81	19.70	21.00
10	16QAM	25	25	19.65	19.69	19.70	21.00
10	16QAM	50	0	19.46	19.59	19.58	21.00
10	64QAM	1	0	19.67	19.82	19.74	21.00
10	64QAM	1	25	19.55	19.75	19.58	21.00
10	64QAM	1	49	19.41	19.63	19.58	21.00
10	64QAM	25	0	18.76	18.74	18.75	20.00
10	64QAM	25	12	18.52	18.64	18.49	20.00
10	64QAM	25	25	18.49	18.74	18.59	20.00
10	64QAM	50	0	18.61	18.72	18.64	20.00
10	256QAM	1	0	16.73	16.81	16.67	18.00
10	256QAM	1	25	16.70	16.67	16.59	18.00
10	256QAM	1	49	16.64	16.71	16.65	18.00
10	256QAM	25	0	16.56	16.72	16.58	18.00
10	256QAM	25	12	16.60	16.82	16.58	18.00
10	256QAM	25	25	16.63	16.71	16.61	18.00
10	256QAM	50	0	16.36	16.59	16.45	18.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	21.73	21.84	21.75	23.00
5	QPSK	1	12	21.59	21.67	21.59	23.00
5	QPSK	1	24	21.37	21.47	21.36	23.00
5	QPSK	12	0	20.81	20.75	20.71	22.00
5	QPSK	12	7	20.61	20.72	20.66	22.00
5	QPSK	12	13	20.52	20.57	20.61	22.00
5	QPSK	25	0	20.54	20.82	20.60	22.00
5	16QAM	1	0	20.58	20.76	20.77	22.00
5	16QAM	1	12	20.70	20.81	20.67	22.00
5	16QAM	1	24	20.48	20.54	20.54	22.00
5	16QAM	12	0	19.43	19.59	19.52	21.00
5	16QAM	12	7	19.72	19.84	19.80	21.00
5	16QAM	12	13	19.59	19.72	19.69	21.00
5	16QAM	25	0	19.49	19.62	19.57	21.00
5	64QAM	1	0	19.71	19.78	19.70	21.00
5	64QAM	1	12	19.57	19.73	19.57	21.00
5	64QAM	1	24	19.50	19.56	19.60	21.00
5	64QAM	12	0	18.72	18.76	18.68	20.00
5	64QAM	12	7	18.51	18.59	18.49	20.00
5	64QAM	12	13	18.45	18.69	18.55	20.00
5	64QAM	25	0	18.64	18.78	18.72	20.00
5	256QAM	1	0	16.68	16.70	16.73	18.00
5	256QAM	1	12	16.71	16.78	16.71	18.00
5	256QAM	1	24	16.56	16.72	16.64	18.00
5	256QAM	12	0	16.60	16.77	16.58	18.00
5	256QAM	12	7	16.70	16.79	16.56	18.00
5	256QAM	12	13	16.60	16.59	16.56	18.00
5	256QAM	25	0	16.46	16.57	16.49	18.00



【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.02	23.07	23.04	24.00
20	QPSK	1	49	22.85	22.94	22.79	24.00
20	QPSK	1	99	22.77	22.85	22.80	24.00
20	QPSK	50	0	22.06	22.12	22.10	23.00
20	QPSK	50	24	21.92	22.02	21.97	23.00
20	QPSK	50	50	21.99	22.08	21.90	23.00
20	QPSK	100	0	21.93	22.05	21.89	23.00
20	16QAM	1	0	21.89	22.01	21.95	23.00
20	16QAM	1	49	21.86	21.97	21.85	23.00
20	16QAM	1	99	21.93	22.05	21.93	23.00
20	16QAM	50	0	20.76	20.89	20.83	22.00
20	16QAM	50	24	20.97	21.06	21.01	22.00
20	16QAM	50	50	20.81	20.99	20.88	22.00
20	16QAM	100	0	20.78	20.97	20.85	22.00
20	64QAM	1	0	20.87	21.01	20.83	22.00
20	64QAM	1	49	20.90	21.00	20.86	22.00
20	64QAM	1	99	20.71	20.88	20.83	22.00
20	64QAM	50	0	19.91	19.99	19.88	21.00
20	64QAM	50	24	19.91	20.03	19.94	21.00
20	64QAM	50	50	19.78	19.86	19.79	21.00
20	64QAM	100	0	19.96	20.05	20.01	21.00
20	256QAM	1	0	17.78	17.89	17.80	19.00
20	256QAM	1	49	17.86	17.99	17.89	19.00
20	256QAM	1	99	17.81	17.88	17.84	19.00
20	256QAM	50	0	17.75	17.92	17.76	19.00
20	256QAM	50	24	17.72	17.85	17.71	19.00
20	256QAM	50	50	17.72	17.91	17.87	19.00
20	256QAM	100	0	17.85	17.94	17.90	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	22.98	23.05	22.89	24.00
15	QPSK	1	37	22.74	22.81	22.73	24.00
15	QPSK	1	74	22.72	22.82	22.69	24.00
15	QPSK	36	0	21.96	22.07	21.96	23.00
15	QPSK	36	20	21.89	21.97	21.89	23.00
15	QPSK	36	39	21.90	22.05	21.88	23.00
15	QPSK	75	0	21.85	22.03	21.76	23.00
15	16QAM	1	0	21.79	21.98	21.93	23.00
15	16QAM	1	37	21.79	21.95	21.73	23.00
15	16QAM	1	74	21.89	22.04	21.88	23.00
15	16QAM	36	0	20.68	20.80	20.72	22.00
15	16QAM	36	20	20.92	20.91	20.93	22.00
15	16QAM	36	39	20.68	20.86	20.79	22.00
15	16QAM	75	0	20.75	20.88	20.73	22.00
15	64QAM	1	0	20.79	20.99	20.78	22.00
15	64QAM	1	37	20.82	20.89	20.80	22.00
15	64QAM	1	74	20.62	20.85	20.79	22.00
15	64QAM	36	0	19.88	19.91	19.84	21.00
15	64QAM	36	20	19.87	20.00	19.86	21.00
15	64QAM	36	39	19.71	19.82	19.75	21.00
15	64QAM	75	0	19.82	19.98	19.95	21.00
15	256QAM	1	0	17.66	17.75	17.65	19.00
15	256QAM	1	37	17.78	17.92	17.88	19.00
15	256QAM	1	74	17.75	17.74	17.78	19.00
15	256QAM	36	0	17.67	17.89	17.72	19.00
15	256QAM	36	20	17.66	17.73	17.64	19.00
15	256QAM	36	39	17.65	17.77	17.83	19.00
15	256QAM	75	0	17.73	17.86	17.84	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	23.01	22.95	22.96	24.00
10	QPSK	1	25	22.77	22.93	22.75	24.00
10	QPSK	1	49	22.72	22.75	22.77	24.00
10	QPSK	25	0	22.02	22.05	21.99	23.00
10	QPSK	25	12	21.91	21.98	21.95	23.00
10	QPSK	25	25	21.96	22.07	21.80	23.00
10	QPSK	50	0	21.81	22.04	21.74	23.00
10	16QAM	1	0	21.79	21.93	21.91	23.00
10	16QAM	1	25	21.84	21.84	21.82	23.00
10	16QAM	1	49	21.79	21.95	21.84	23.00
10	16QAM	25	0	20.70	20.88	20.78	22.00
10	16QAM	25	12	20.85	20.97	20.90	22.00



10	16QAM	25	25	20.76	20.91	20.84	22.00
10	16QAM	50	0	20.63	20.88	20.71	22.00
10	64QAM	1	0	20.83	20.92	20.73	22.00
10	64QAM	1	25	20.83	20.98	20.78	22.00
10	64QAM	1	49	20.62	20.83	20.74	22.00
10	64QAM	25	0	19.86	19.91	19.84	21.00
10	64QAM	25	12	19.88	19.97	19.82	21.00
10	64QAM	25	25	19.63	19.79	19.64	21.00
10	64QAM	50	0	19.88	19.96	19.98	21.00
10	256QAM	1	0	17.65	17.76	17.66	19.00
10	256QAM	1	25	17.76	17.92	17.80	19.00
10	256QAM	1	49	17.77	17.81	17.73	19.00
10	256QAM	25	0	17.61	17.86	17.75	19.00
10	256QAM	25	12	17.65	17.74	17.62	19.00
10	256QAM	25	25	17.64	17.82	17.73	19.00
10	256QAM	50	0	17.71	17.86	17.78	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	22.91	22.94	22.99	24.00
5	QPSK	1	12	22.74	22.84	22.71	24.00
5	QPSK	1	24	22.68	22.73	22.67	24.00
5	QPSK	12	0	21.93	22.08	21.97	23.00
5	QPSK	12	7	21.87	21.95	21.88	23.00
5	QPSK	12	13	21.97	22.05	21.82	23.00
5	QPSK	25	0	21.85	21.98	21.76	23.00
5	16QAM	1	0	21.79	21.89	21.80	23.00
5	16QAM	1	12	21.75	21.93	21.74	23.00
5	16QAM	1	24	21.84	21.93	21.81	23.00
5	16QAM	12	0	20.71	20.81	20.80	22.00
5	16QAM	12	7	20.94	20.99	20.94	22.00
5	16QAM	12	13	20.71	20.90	20.77	22.00
5	16QAM	25	0	20.72	20.87	20.75	22.00
5	64QAM	1	0	20.83	20.90	20.77	22.00
5	64QAM	1	12	20.76	20.88	20.80	22.00
5	64QAM	1	24	20.67	20.81	20.82	22.00
5	64QAM	12	0	19.81	19.97	19.79	21.00
5	64QAM	12	7	19.81	19.95	19.83	21.00
5	64QAM	12	13	19.64	19.82	19.67	21.00
5	64QAM	25	0	19.86	20.00	19.99	21.00
5	256QAM	1	0	17.65	17.75	17.72	19.00
5	256QAM	1	12	17.85	17.87	17.85	19.00
5	256QAM	1	24	17.72	17.75	17.76	19.00
5	256QAM	12	0	17.66	17.89	17.70	19.00
5	256QAM	12	7	17.61	17.79	17.66	19.00
5	256QAM	12	13	17.64	17.89	17.82	19.00
5	256QAM	25	0	17.70	17.84	17.78	19.00

<LTE Band 43 (96)_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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	22.02	22.07	22.04	23.00
20		1	49	21.85	21.94	21.79	23.00
20		1	99	21.77	21.85	21.80	23.00
20		50	0	22.06	22.06	22.04	23.00
20		50	24	21.92	22.06	21.97	23.00
20		50	50	21.99	22.01	21.90	23.00
20	16QAM	100	0	21.93	22.05	21.89	23.00
20		1	0	21.89	22.01	21.95	23.00
20		1	49	21.86	21.97	21.85	23.00
20		1	99	21.93	22.05	21.93	23.00
20		50	0	20.76	20.89	20.83	22.00
20		50	24	20.97	21.06	21.01	22.00
20	64QAM	50	50	20.81	20.99	20.88	22.00
20		100	0	20.78	20.97	20.85	22.00
20		1	0	20.87	21.01	20.83	22.00
20		1	49	20.90	21.00	20.86	22.00
20		1	99	20.71	20.88	20.83	22.00
20		50	0	19.91	19.99	19.88	21.00
20		50	24	19.91	20.03	19.94	21.00
20		50	50	19.78	19.86	19.79	21.00
20		100	0	19.96	20.05	20.01	21.00



20	256QAM	1	0	17.78	17.89	17.80	19.00	
20		1	49	17.86	17.99	17.89	19.00	
20		1	99	17.81	17.88	17.84	19.00	
20		50	0	17.75	17.92	17.76	19.00	
20		50	24	17.72	17.85	17.71	19.00	
20		50	50	17.72	17.91	17.87	19.00	
20		100	0	17.85	17.94	17.90	19.00	
Channel				43665	44090	44515	Tune-up Limit (dBm)	
Frequency (MHz)				3607.5	3650	3692.5		
15	QPSK	1	0	21.98	22.05	21.89	23.00	
15		1	37	21.74	21.81	21.73	23.00	
15		1	74	21.72	21.82	21.69	23.00	
15		36	0	21.96	22.07	21.96	23.00	
15		36	20	21.89	21.97	21.89	23.00	
15		36	39	21.90	22.05	21.88	23.00	
15	16QAM	75	0	21.85	22.03	21.76	23.00	
15		1	0	21.79	21.98	21.93	23.00	
15		1	37	21.79	21.95	21.73	23.00	
15		1	74	21.89	22.04	21.88	23.00	
15		36	0	20.68	20.80	20.72	22.00	
15		36	20	20.92	20.91	20.93	22.00	
15	64QAM	36	39	20.68	20.86	20.79	22.00	
15		75	0	20.75	20.88	20.73	22.00	
15		1	0	20.79	20.99	20.78	22.00	
15		1	37	20.82	20.89	20.80	22.00	
15		1	74	20.62	20.85	20.79	22.00	
15		36	0	19.88	19.91	19.84	21.00	
15	256QAM	36	20	19.87	20.00	19.86	21.00	
15		36	39	19.71	19.82	19.75	21.00	
15		75	0	19.82	19.98	19.95	21.00	
15		1	0	17.66	17.75	17.65	19.00	
15		1	37	17.78	17.92	17.88	19.00	
15		1	74	17.75	17.74	17.78	19.00	
15	256QAM	36	0	17.67	17.89	17.72	19.00	
15		36	20	17.66	17.73	17.64	19.00	
15		36	39	17.65	17.77	17.83	19.00	
15		75	0	17.73	17.86	17.84	19.00	
Channel				43640	44090	44540	Tune-up Limit (dBm)	
Frequency (MHz)				3605	3650	3695		
10	QPSK	1	0	22.01	21.95	21.96	23.00	
10		1	25	21.77	21.93	21.75	23.00	
10		1	49	21.72	21.75	21.77	23.00	
10		25	0	22.02	22.05	21.99	23.00	
10		25	12	21.91	21.98	21.95	23.00	
10		25	25	21.96	22.07	21.80	23.00	
10	16QAM	50	0	21.81	22.04	21.74	23.00	
10		1	0	21.79	21.93	21.91	23.00	
10		1	25	21.84	21.84	21.82	23.00	
10		1	49	21.79	21.95	21.84	23.00	
10		25	0	20.70	20.88	20.78	22.00	
10		25	12	20.85	20.97	20.90	22.00	
10	64QAM	25	25	20.76	20.91	20.84	22.00	
10		50	0	20.63	20.88	20.71	22.00	
10		1	0	20.83	20.92	20.73	22.00	
10		1	25	20.83	20.98	20.78	22.00	
10		1	49	20.62	20.83	20.74	22.00	
10		25	0	19.86	19.91	19.84	21.00	
10	256QAM	25	12	19.88	19.97	19.82	21.00	
10		25	25	19.63	19.79	19.64	21.00	
10		50	0	19.88	19.96	19.98	21.00	
10		1	0	17.65	17.76	17.66	19.00	
10		1	25	17.76	17.92	17.80	19.00	
10		1	49	17.77	17.81	17.73	19.00	
10	16QAM	25	0	17.61	17.86	17.75	19.00	
10		25	12	17.65	17.74	17.62	19.00	
10		25	25	17.64	17.82	17.73	19.00	
10		50	0	17.71	17.86	17.78	19.00	
Channel				43615	44090	44565	Tune-up Limit (dBm)	
Frequency (MHz)				3602.5	3650	3697.5		
5	QPSK	1	0	21.91	21.94	21.99	23.00	
5		1	12	21.74	21.84	21.71	23.00	
5		1	24	21.68	21.73	21.67	23.00	
5		12	0	21.93	22.02	21.97	23.00	
5		12	7	21.87	21.95	21.88	23.00	
5		12	13	21.97	22.05	21.82	23.00	
5	16QAM	25	0	21.85	21.98	21.76	23.00	
5		1	0	21.79	21.89	21.80	23.00	
5		1	12	21.75	21.93	21.74	23.00	



5		1	24	21.84	21.93	21.81	23.00
5		12	0	20.71	20.81	20.80	22.00
5		12	7	20.94	20.99	20.94	22.00
5		12	13	20.71	20.90	20.77	22.00
5	64QAM	25	0	20.72	20.87	20.75	22.00
5		1	0	20.83	20.90	20.77	22.00
5		1	12	20.76	20.88	20.80	22.00
5		1	24	20.67	20.81	20.82	22.00
5		12	0	19.81	19.97	19.79	21.00
5		12	7	19.81	19.95	19.83	21.00
5		12	13	19.64	19.82	19.67	21.00
5		25	0	19.86	20.00	19.99	21.00
5	256QAM	1	0	17.65	17.75	17.72	19.00
5		1	12	17.85	17.87	17.85	19.00
5		1	24	17.72	17.75	17.76	19.00
5		12	0	17.66	17.89	17.70	19.00
5		12	7	17.61	17.79	17.66	19.00
5		12	13	17.64	17.89	17.82	19.00
5		25	0	17.70	17.84	17.78	19.00
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【LTE Band 43 (96) _FCC_Part 96 (3600~3700MHz) _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				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.92	18.97	18.79	19.70
20	QPSK	1	49	18.71	18.84	18.54	19.70
20	QPSK	1	99	18.69	18.77	18.44	19.70
20	QPSK	50	0	18.64	18.84	18.76	19.70
20	QPSK	50	24	18.61	18.79	18.51	19.70
20	QPSK	50	50	18.58	18.71	18.44	19.70
20	QPSK	100	0	18.57	18.76	18.69	19.70
20	16QAM	1	0	18.58	18.69	18.37	19.70
20	16QAM	1	49	18.60	18.70	18.40	19.70
20	16QAM	1	99	18.63	18.83	18.52	19.70
20	16QAM	50	0	18.70	18.79	18.58	19.70
20	16QAM	50	24	18.70	18.82	18.59	19.70
20	16QAM	50	50	18.58	18.72	18.50	19.70
20	16QAM	100	0	18.63	18.78	18.54	19.70
20	64QAM	1	0	18.58	18.77	18.54	19.70
20	64QAM	1	49	18.60	18.71	18.47	19.70
20	64QAM	1	99	18.66	18.72	18.42	19.70
20	64QAM	50	0	18.66	18.79	18.49	19.70
20	64QAM	50	24	18.73	18.80	18.53	19.70
20	64QAM	50	50	18.67	18.76	18.44	19.70
20	64QAM	100	0	18.65	18.75	18.54	19.70
20	256QAM	1	0	17.66	17.77	17.50	19.00
20	256QAM	1	49	17.67	17.76	17.54	19.00
20	256QAM	1	99	17.59	17.68	17.48	19.00
20	256QAM	50	0	17.64	17.74	17.43	19.00
20	256QAM	50	24	17.75	17.85	17.60	19.00
20	256QAM	50	50	17.64	17.70	17.45	19.00
20	256QAM	100	0	17.56	17.69	17.41	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	18.77	18.90	18.68	19.70
15	QPSK	1	37	18.58	18.81	18.40	19.70
15	QPSK	1	74	18.57	18.72	18.37	19.70
15	QPSK	36	0	18.50	18.81	18.65	19.70
15	QPSK	36	20	18.49	18.72	18.50	19.70
15	QPSK	36	39	18.55	18.59	18.32	19.70
15	QPSK	75	0	18.53	18.73	18.56	19.70
15	16QAM	1	0	18.50	18.55	18.29	19.70
15	16QAM	1	37	18.59	18.67	18.31	19.70
15	16QAM	1	74	18.58	18.77	18.40	19.70
15	16QAM	36	0	18.56	18.68	18.56	19.70
15	16QAM	36	20	18.56	18.79	18.44	19.70
15	16QAM	36	39	18.45	18.63	18.45	19.70
15	16QAM	75	0	18.51	18.74	18.47	19.70
15	64QAM	1	0	18.56	18.72	18.53	19.70
15	64QAM	1	37	18.52	18.62	18.37	19.70
15	64QAM	1	74	18.53	18.69	18.31	19.70



15	64QAM	36	0	18.64	18.68	18.42	19.70
15	64QAM	36	20	18.70	18.73	18.52	19.70
15	64QAM	36	39	18.63	18.63	18.30	19.70
15	64QAM	75	0	18.60	18.71	18.52	19.70
15	256QAM	1	0	17.54	17.63	17.44	19.00
15	256QAM	1	37	17.61	17.70	17.42	19.00
15	256QAM	1	74	17.52	17.61	17.46	19.00
15	256QAM	36	0	17.50	17.65	17.38	19.00
15	256QAM	36	20	17.73	17.70	17.51	19.00
15	256QAM	36	39	17.52	17.65	17.41	19.00
15	256QAM	75	0	17.53	17.68	17.30	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	18.86	18.83	18.65	19.70
10	QPSK	1	25	18.64	18.78	18.51	19.70
10	QPSK	1	49	18.66	18.67	18.38	19.70
10	QPSK	25	0	18.55	18.72	18.68	19.70
10	QPSK	25	12	18.56	18.71	18.47	19.70
10	QPSK	25	25	18.51	18.69	18.29	19.70
10	QPSK	50	0	18.49	18.62	18.68	19.70
10	16QAM	1	0	18.46	18.64	18.29	19.70
10	16QAM	1	25	18.51	18.56	18.36	19.70
10	16QAM	1	49	18.50	18.77	18.49	19.70
10	16QAM	25	0	18.62	18.71	18.43	19.70
10	16QAM	25	12	18.60	18.70	18.58	19.70
10	16QAM	25	25	18.44	18.62	18.46	19.70
10	16QAM	50	0	18.59	18.76	18.50	19.70
10	64QAM	1	0	18.43	18.69	18.47	19.70
10	64QAM	1	25	18.58	18.61	18.44	19.70
10	64QAM	1	49	18.54	18.59	18.29	19.70
10	64QAM	25	0	18.58	18.66	18.39	19.70
10	64QAM	25	12	18.68	18.68	18.39	19.70
10	64QAM	25	25	18.59	18.64	18.38	19.70
10	64QAM	50	0	18.63	18.73	18.45	19.70
10	256QAM	1	0	17.52	17.69	17.48	19.00
10	256QAM	1	25	17.64	17.69	17.45	19.00
10	256QAM	1	49	17.55	17.63	17.40	19.00
10	256QAM	25	0	17.58	17.70	17.40	19.00
10	256QAM	25	12	17.74	17.73	17.45	19.00
10	256QAM	25	25	17.60	17.62	17.36	19.00
10	256QAM	50	0	17.43	17.66	17.38	19.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	18.80	18.90	18.65	19.70
5	QPSK	1	12	18.64	18.72	18.50	19.70
5	QPSK	1	24	18.54	18.62	18.42	19.70
5	QPSK	12	0	18.57	18.74	18.65	19.70
5	QPSK	12	7	18.48	18.69	18.48	19.70
5	QPSK	12	13	18.49	18.70	18.38	19.70
5	QPSK	25	0	18.46	18.65	18.55	19.70
5	16QAM	1	0	18.44	18.59	18.28	19.70
5	16QAM	1	12	18.49	18.68	18.35	19.70
5	16QAM	1	24	18.61	18.73	18.46	19.70
5	16QAM	12	0	18.57	18.75	18.44	19.70
5	16QAM	12	7	18.55	18.70	18.58	19.70
5	16QAM	12	13	18.46	18.59	18.47	19.70
5	16QAM	25	0	18.51	18.63	18.41	19.70
5	64QAM	1	0	18.53	18.71	18.45	19.70
5	64QAM	1	12	18.51	18.59	18.33	19.70
5	64QAM	1	24	18.55	18.60	18.35	19.70
5	64QAM	12	0	18.56	18.73	18.41	19.70
5	64QAM	12	7	18.64	18.71	18.46	19.70
5	64QAM	12	13	18.53	18.65	18.34	19.70
5	64QAM	25	0	18.50	18.63	18.51	19.70
5	256QAM	1	0	17.58	17.74	17.47	19.00
5	256QAM	1	12	17.55	17.72	17.49	19.00
5	256QAM	1	24	17.47	17.56	17.41	19.00
5	256QAM	12	0	17.61	17.69	17.35	19.00
5	256QAM	12	7	17.65	17.82	17.52	19.00
5	256QAM	12	13	17.63	17.62	17.35	19.00
5	256QAM	25	0	17.53	17.57	17.34	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.42	21.49	21.33	22.60
20	QPSK	1	49	21.22	21.30	21.09	22.60
20	QPSK	1	99	21.24	21.33	21.03	22.60
20	QPSK	50	0	21.35	21.40	21.36	22.60
20	QPSK	50	24	21.14	21.24	20.93	22.60
20	QPSK	50	50	21.27	21.36	21.19	22.60
20	QPSK	100	0	21.23	21.30	21.22	22.60
20	16QAM	1	0	21.17	21.34	21.03	22.60
20	16QAM	1	49	21.19	21.30	21.03	22.60
20	16QAM	1	99	21.23	21.37	21.08	22.60
20	16QAM	50	0	20.75	20.84	20.60	22.00
20	16QAM	50	24	20.63	20.82	20.53	22.00
20	16QAM	50	50	20.68	20.77	20.52	22.00
20	16QAM	100	0	20.54	20.75	20.56	22.00
20	64QAM	1	0	20.64	20.79	20.52	22.00
20	64QAM	1	49	20.55	20.76	20.53	22.00
20	64QAM	1	99	20.64	20.74	20.45	22.00
20	64QAM	50	0	19.59	19.70	19.54	21.00
20	64QAM	50	24	19.71	19.82	19.54	21.00
20	64QAM	50	50	19.60	19.73	19.47	21.00
20	64QAM	100	0	19.78	19.88	19.59	21.00
20	256QAM	1	0	17.73	17.85	17.58	19.00
20	256QAM	1	49	17.62	17.83	17.60	19.00
20	256QAM	1	99	17.59	17.74	17.52	19.00
20	256QAM	50	0	17.75	17.87	17.60	19.00
20	256QAM	50	24	17.60	17.78	17.51	19.00
20	256QAM	50	50	17.51	17.72	17.45	19.00
20	256QAM	100	0	17.71	17.84	17.66	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.31	21.45	21.26	22.60
15	QPSK	1	37	21.10	21.28	21.03	22.60
15	QPSK	1	74	21.15	21.29	20.91	22.60
15	QPSK	36	0	21.24	21.34	21.23	22.60
15	QPSK	36	20	21.07	21.21	20.90	22.60
15	QPSK	36	39	21.13	21.34	21.17	22.60
15	QPSK	75	0	21.20	21.25	21.16	22.60
15	16QAM	1	0	21.12	21.20	20.91	22.60
15	16QAM	1	37	21.11	21.18	21.02	22.60
15	16QAM	1	74	21.14	21.30	21.04	22.60
15	16QAM	36	0	20.66	20.78	20.52	22.00
15	16QAM	36	20	20.54	20.75	20.40	22.00
15	16QAM	36	39	20.60	20.71	20.50	22.00
15	16QAM	75	0	20.47	20.69	20.51	22.00
15	64QAM	1	0	20.51	20.74	20.48	22.00
15	64QAM	1	37	20.53	20.74	20.49	22.00
15	64QAM	1	74	20.55	20.65	20.43	22.00
15	64QAM	36	0	19.54	19.59	19.42	21.00
15	64QAM	36	20	19.59	19.68	19.45	21.00
15	64QAM	36	39	19.58	19.65	19.42	21.00
15	64QAM	75	0	19.69	19.79	19.52	21.00
15	256QAM	1	0	17.68	17.74	17.44	19.00
15	256QAM	1	37	17.55	17.80	17.52	19.00
15	256QAM	1	74	17.51	17.69	17.45	19.00
15	256QAM	36	0	17.69	17.78	17.57	19.00
15	256QAM	36	20	17.53	17.75	17.49	19.00
15	256QAM	36	39	17.37	17.68	17.40	19.00
15	256QAM	75	0	17.67	17.79	17.63	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.40	21.42	21.29	22.60
10	QPSK	1	25	21.09	21.21	20.96	22.60
10	QPSK	1	49	21.12	21.26	20.99	22.60
10	QPSK	25	0	21.21	21.25	21.25	22.60
10	QPSK	25	12	21.07	21.19	20.89	22.60
10	QPSK	25	25	21.23	21.35	21.16	22.60
10	QPSK	50	0	21.20	21.25	21.14	22.60
10	16QAM	1	0	21.16	21.24	20.98	22.60
10	16QAM	1	25	21.11	21.17	20.91	22.60
10	16QAM	1	49	21.16	21.29	21.06	22.60
10	16QAM	25	0	20.70	20.79	20.49	22.00
10	16QAM	25	12	20.51	20.74	20.42	22.00
10	16QAM	25	25	20.58	20.73	20.39	22.00



10	16QAM	50	0	20.49	20.72	20.49	22.00
10	64QAM	1	0	20.60	20.70	20.41	22.00
10	64QAM	1	25	20.44	20.65	20.47	22.00
10	64QAM	1	49	20.50	20.70	20.37	22.00
10	64QAM	25	0	19.47	19.59	19.39	21.00
10	64QAM	25	12	19.57	19.75	19.42	21.00
10	64QAM	25	25	19.56	19.60	19.34	21.00
10	64QAM	50	0	19.76	19.78	19.56	21.00
10	256QAM	1	0	17.61	17.78	17.56	19.00
10	256QAM	1	25	17.50	17.69	17.56	19.00
10	256QAM	1	49	17.56	17.70	17.50	19.00
10	256QAM	25	0	17.71	17.81	17.49	19.00
10	256QAM	25	12	17.47	17.64	17.42	19.00
10	256QAM	25	25	17.41	17.67	17.34	19.00
10	256QAM	50	0	17.66	17.83	17.58	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.35	21.39	21.20	22.60
5	QPSK	1	12	21.13	21.28	21.01	22.60
5	QPSK	1	24	21.17	21.29	20.95	22.60
5	QPSK	12	0	21.27	21.28	21.22	22.60
5	QPSK	12	7	21.05	21.22	20.81	22.60
5	QPSK	12	13	21.16	21.26	21.13	22.60
5	QPSK	25	0	21.20	21.19	21.13	22.60
5	16QAM	1	0	21.05	21.23	20.88	22.60
5	16QAM	1	12	21.14	21.18	21.00	22.60
5	16QAM	1	24	21.13	21.35	20.97	22.60
5	16QAM	12	0	20.61	20.79	20.53	22.00
5	16QAM	12	7	20.58	20.79	20.41	22.00
5	16QAM	12	13	20.54	20.64	20.41	22.00
5	16QAM	25	0	20.41	20.63	20.49	22.00
5	64QAM	1	0	20.57	20.66	20.45	22.00
5	64QAM	1	12	20.45	20.70	20.50	22.00
5	64QAM	1	24	20.54	20.62	20.30	22.00
5	64QAM	12	0	19.45	19.62	19.52	21.00
5	64QAM	12	7	19.66	19.75	19.48	21.00
5	64QAM	12	13	19.47	19.65	19.41	21.00
5	64QAM	25	0	19.65	19.87	19.56	21.00
5	256QAM	1	0	17.66	17.75	17.54	19.00
5	256QAM	1	12	17.48	17.75	17.53	19.00
5	256QAM	1	24	17.49	17.64	17.51	19.00
5	256QAM	12	0	17.68	17.84	17.51	19.00
5	256QAM	12	7	17.49	17.75	17.49	19.00
5	256QAM	12	13	17.38	17.70	17.41	19.00
5	256QAM	25	0	17.57	17.71	17.52	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 8_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	12.01	12.05	12.03	13.10
20	QPSK	1	49	11.86	11.95	11.93	13.10
20	QPSK	1	99	11.81	11.91	11.90	13.10
20	QPSK	50	0	11.99	12.03	11.91	13.10
20	QPSK	50	24	11.82	11.90	11.86	13.10
20	QPSK	50	50	11.77	11.90	11.82	13.10
20	QPSK	100	0	11.88	11.93	11.90	13.10
20	16QAM	1	0	11.89	11.98	11.93	13.10
20	16QAM	1	49	11.97	11.93	11.92	13.10
20	16QAM	1	99	11.90	11.98	11.92	13.10
20	16QAM	50	0	11.89	11.93	11.92	13.10
20	16QAM	50	24	11.90	11.95	11.95	13.10
20	16QAM	50	50	11.97	11.97	11.93	13.10
20	16QAM	100	0	11.97	11.94	11.94	13.10
20	64QAM	1	0	11.94	11.95	11.91	13.10
20	64QAM	1	49	11.96	11.92	11.97	13.10
20	64QAM	1	99	11.98	11.98	11.89	13.10
20	64QAM	50	0	11.87	12.01	11.96	13.10
20	64QAM	50	24	11.89	11.96	11.99	13.10
20	64QAM	50	50	11.89	11.92	11.96	13.10
20	64QAM	100	0	11.91	11.93	11.94	13.10



FCC SAR Test Report

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20	256QAM	1	0	11.90	11.98	11.96	13.10
20	256QAM	1	49	11.94	11.99	11.97	13.10
20	256QAM	1	99	11.86	12.00	11.89	13.10
20	256QAM	50	0	11.97	12.00	12.00	13.10
20	256QAM	50	24	11.90	12.02	11.98	13.10
20	256QAM	50	50	11.92	12.00	11.93	13.10
20	256QAM	100	0	11.89	11.94	11.94	13.10
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	11.91	11.98	11.96	13.10
15	QPSK	1	37	11.83	11.86	11.91	13.10
15	QPSK	1	74	11.80	11.85	11.82	13.10
15	QPSK	36	0	11.85	11.89	11.84	13.10
15	QPSK	36	20	11.84	11.88	11.81	13.10
15	QPSK	36	39	11.84	11.85	11.77	13.10
15	QPSK	75	0	11.81	11.88	11.87	13.10
15	16QAM	1	0	11.84	11.84	11.84	13.10
15	16QAM	1	37	11.89	11.81	11.81	13.10
15	16QAM	1	74	11.81	11.95	11.79	13.10
15	16QAM	36	0	11.80	11.81	11.80	13.10
15	16QAM	36	20	11.87	11.82	11.85	13.10
15	16QAM	36	39	11.88	11.91	11.88	13.10
15	16QAM	75	0	11.85	11.90	11.81	13.10
15	64QAM	1	0	11.90	11.94	11.88	13.10
15	64QAM	1	37	11.94	11.82	11.93	13.10
15	64QAM	1	74	11.94	11.93	11.85	13.10
15	64QAM	36	0	11.78	11.96	11.94	13.10
15	64QAM	36	20	11.75	11.84	11.90	13.10
15	64QAM	36	39	11.74	11.82	11.90	13.10
15	64QAM	75	0	11.81	11.83	11.85	13.10
15	256QAM	1	0	11.85	11.92	11.88	13.10
15	256QAM	1	37	11.88	11.89	11.90	13.10
15	256QAM	1	74	11.73	11.90	11.82	13.10
15	256QAM	36	0	11.96	11.96	11.93	13.10
15	256QAM	36	20	11.78	11.94	11.89	13.10
15	256QAM	36	39	11.77	11.90	11.78	13.10
15	256QAM	75	0	11.88	11.86	11.81	13.10
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	11.93	11.92	11.91	13.10
10	QPSK	1	25	11.89	11.81	11.91	13.10
10	QPSK	1	49	11.83	11.90	11.81	13.10
10	QPSK	25	0	11.90	11.95	11.81	13.10
10	QPSK	25	12	11.87	11.80	11.94	13.10
10	QPSK	25	25	11.92	11.88	11.87	13.10
10	QPSK	50	0	11.78	11.79	11.90	13.10
10	16QAM	1	0	11.80	11.88	11.79	13.10
10	16QAM	1	25	11.87	11.84	11.90	13.10
10	16QAM	1	49	11.78	11.96	11.85	13.10
10	16QAM	25	0	11.85	11.91	11.84	13.10
10	16QAM	25	12	11.76	11.94	11.89	13.10
10	16QAM	25	25	11.90	11.95	11.82	13.10
10	16QAM	50	0	11.95	11.90	11.80	13.10
10	64QAM	1	0	11.85	11.88	11.87	13.10
10	64QAM	1	25	11.83	11.77	11.83	13.10
10	64QAM	1	49	11.91	11.84	11.75	13.10
10	64QAM	25	0	11.74	11.92	11.86	13.10
10	64QAM	25	12	11.87	11.82	11.88	13.10
10	64QAM	25	25	11.84	11.90	11.89	13.10
10	64QAM	50	0	11.76	11.80	11.89	13.10
10	256QAM	1	0	11.82	11.95	11.91	13.10
10	256QAM	1	25	11.82	11.98	11.96	13.10
10	256QAM	1	49	11.80	11.89	11.76	13.10
10	256QAM	25	0	11.85	11.99	11.89	13.10
10	256QAM	25	12	11.76	11.91	11.89	13.10
10	256QAM	25	25	11.81	11.90	11.83	13.10
10	256QAM	50	0	11.79	11.91	11.85	13.10
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	11.94	12.01	11.94	13.10
5	QPSK	1	12	11.81	11.87	11.92	13.10
5	QPSK	1	24	11.74	11.84	11.87	13.10
5	QPSK	12	0	11.84	12.00	11.76	13.10
5	QPSK	12	7	11.87	11.78	11.95	13.10
5	QPSK	12	13	11.84	11.94	11.87	13.10
5	QPSK	25	0	11.81	11.88	11.85	13.10
5	16QAM	1	0	11.76	11.91	11.84	13.10
5	16QAM	1	12	11.90	11.79	11.80	13.10