



5	16QAM	1	24	11.79	11.91	11.82	13.10
5	16QAM	12	0	11.82	11.84	11.89	13.10
5	16QAM	12	7	11.82	11.87	11.93	13.10
5	16QAM	12	13	11.85	11.89	11.84	13.10
5	16QAM	25	0	11.95	11.87	11.82	13.10
5	64QAM	1	0	11.88	11.93	11.86	13.10
5	64QAM	1	12	11.93	11.78	11.90	13.10
5	64QAM	1	24	11.85	11.86	11.74	13.10
5	64QAM	12	0	11.78	11.94	11.87	13.10
5	64QAM	12	7	11.86	11.93	11.95	13.10
5	64QAM	12	13	11.76	11.84	11.86	13.10
5	64QAM	25	0	11.82	11.80	11.81	13.10
5	256QAM	1	0	11.82	11.88	11.92	13.10
5	256QAM	1	12	11.87	11.92	11.90	13.10
5	256QAM	1	24	11.72	11.98	11.80	13.10
5	256QAM	12	0	11.89	11.99	11.98	13.10
5	256QAM	12	7	11.77	12.01	11.93	13.10
5	256QAM	12	13	11.91	11.93	11.91	13.10
5	256QAM	25	0	11.75	11.92	11.86	13.10

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_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				43690	44090	44490	Tune-up limit (dBm)
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 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	Tune-up limit (dBm)
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
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 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.50	20.70		20.61	20.69	22.00
20	QPSK	1	49	20.23	20.43		20.30	20.49	22.00
20	QPSK	1	99	20.02	20.39		20.25	20.22	22.00
20	QPSK	50	0	19.40	19.71		19.44	19.58	21.00
20	QPSK	50	24	19.36	19.55		19.40	19.52	21.00
20	QPSK	50	50	19.14	19.48		19.18	19.32	21.00
20	QPSK	100	0	19.29	19.58		19.49	19.48	21.00
20	16QAM	1	0	19.33	19.58		19.52	19.58	21.00
20	16QAM	1	49	19.27	19.59		19.38	19.46	21.00
20	16QAM	1	99	19.27	19.63		19.36	19.37	21.00
20	16QAM	50	0	18.26	18.51		18.30	18.40	20.00
20	16QAM	50	24	18.31	18.58		18.38	18.40	20.00
20	16QAM	50	50	18.38	18.62		18.48	18.59	20.00
20	16QAM	100	0	18.33	18.61		18.48	18.62	20.00
20	64QAM	1	0	18.23	18.50		18.34	18.30	20.00
20	64QAM	1	49	18.32	18.72		18.43	18.51	20.00
20	64QAM	1	99	18.24	18.57		18.33	18.47	20.00
20	64QAM	50	0	17.38	17.63		17.57	17.56	19.00
20	64QAM	50	24	17.50	17.68		17.61	17.70	19.00
20	64QAM	50	50	17.25	17.60		17.46	17.42	19.00
20	64QAM	100	0	17.27	17.57		17.30	17.48	19.00



FCC SAR Test Report

Report No. : FA5N1310

20	256QAM	1	0	15.36	15.55		15.50	15.49	17.00
20	256QAM	1	49	15.41	15.61		15.53	15.60	17.00
20	256QAM	1	99	15.48	15.66		15.55	15.61	17.00
20	256QAM	50	0	15.31	15.63		15.48	15.53	17.00
20	256QAM	50	24	15.21	15.49		15.38	15.45	17.00
20	256QAM	50	50	15.37	15.59		15.52	15.52	17.00
20	256QAM	100	0	15.29	15.51		15.36	15.43	17.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.39	20.68		20.51	20.63	22.00
15	QPSK	1	37	20.16	20.35		20.26	20.42	22.00
15	QPSK	1	74	20.01	20.27		20.23	20.15	22.00
15	QPSK	36	0	19.28	19.60		19.33	19.47	21.00
15	QPSK	36	20	19.31	19.45		19.29	19.45	21.00
15	QPSK	36	39	19.05	19.38		19.16	19.30	21.00
15	QPSK	75	0	19.22	19.56		19.48	19.37	21.00
15	16QAM	1	0	19.26	19.57		19.39	19.45	21.00
15	16QAM	1	37	19.17	19.53		19.37	19.40	21.00
15	16QAM	1	74	19.17	19.53		19.23	19.36	21.00
15	16QAM	36	0	18.14	18.47		18.28	18.34	20.00
15	16QAM	36	20	18.29	18.52		18.31	18.27	20.00
15	16QAM	36	39	18.25	18.59		18.44	18.52	20.00
15	16QAM	75	0	18.22	18.51		18.33	18.50	20.00
15	64QAM	1	0	18.16	18.40		18.23	18.22	20.00
15	64QAM	1	37	18.19	18.66		18.30	18.38	20.00
15	64QAM	1	74	18.16	18.52		18.20	18.36	20.00
15	64QAM	36	0	17.34	17.59		17.49	17.49	19.00
15	64QAM	36	20	17.39	17.66		17.52	17.67	19.00
15	64QAM	36	39	17.16	17.49		17.39	17.29	19.00
15	64QAM	75	0	17.21	17.54		17.19	17.35	19.00
15	256QAM	1	0	15.32	15.42		15.43	15.44	17.00
15	256QAM	1	37	15.26	15.59		15.50	15.51	17.00
15	256QAM	1	74	15.46	15.56		15.50	15.52	17.00
15	256QAM	36	0	15.19	15.58		15.37	15.51	17.00
15	256QAM	36	20	15.12	15.41		15.35	15.37	17.00
15	256QAM	36	39	15.24	15.47		15.40	15.46	17.00
15	256QAM	75	0	15.27	15.44		15.29	15.30	17.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.36	20.61		20.48	20.55	22.00
10	QPSK	1	25	20.15	20.35		20.23	20.43	22.00
10	QPSK	1	49	20.01	20.37		20.10	20.10	22.00
10	QPSK	25	0	19.30	19.68		19.39	19.34	21.00
10	QPSK	25	12	19.24	19.51		19.29	19.43	21.00
10	QPSK	25	25	19.00	19.42		19.12	19.25	21.00
10	QPSK	50	0	19.26	19.51		19.47	19.43	21.00
10	16QAM	1	0	19.31	19.47		19.38	19.49	21.00
10	16QAM	1	25	19.22	19.58		19.28	19.33	21.00
10	16QAM	1	49	19.23	19.50		19.26	19.29	21.00
10	16QAM	25	0	18.13	18.37		18.28	18.38	20.00
10	16QAM	25	12	18.17	18.43		18.27	18.35	20.00
10	16QAM	25	25	18.27	18.60		18.46	18.55	20.00
10	16QAM	50	0	18.29	18.54		18.37	18.55	20.00
10	64QAM	1	0	18.13	18.49		18.19	18.22	20.00
10	64QAM	1	25	18.28	18.69		18.29	18.47	20.00
10	64QAM	1	49	18.14	18.49		18.24	18.37	20.00
10	64QAM	25	0	17.32	17.53		17.42	17.52	19.00
10	64QAM	25	12	17.44	17.56		17.46	17.57	19.00
10	64QAM	25	25	17.21	17.54		17.34	17.28	19.00
10	64QAM	50	0	17.20	17.49		17.16	17.38	19.00
10	256QAM	1	0	15.24	15.42		15.47	15.40	17.00
10	256QAM	1	25	15.32	15.60		15.41	15.49	17.00
10	256QAM	1	49	15.35	15.62		15.43	15.59	17.00
10	256QAM	25	0	15.24	15.54		15.33	15.51	17.00
10	256QAM	25	12	15.12	15.47		15.25	15.43	17.00
10	256QAM	25	25	15.36	15.53		15.41	15.38	17.00
10	256QAM	50	0	15.27	15.47		15.30	15.30	17.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.41	20.65		20.47	20.60	22.00
5	QPSK	1	12	20.20	20.38		20.24	20.37	22.00
5	QPSK	1	24	20.01	20.33		20.15	20.13	22.00
5	QPSK	12	0	19.37	19.65		19.36	19.41	21.00
5	QPSK	12	7	19.21	19.49		19.29	19.50	21.00
5	QPSK	12	13	19.05	19.38		19.13	19.30	21.00



5	QPSK	25	0	19.20	19.57		19.37	19.46	21.00
5	16QAM	1	0	19.27	19.51		19.45	19.49	21.00
5	16QAM	1	12	19.18	19.49		19.34	19.44	21.00
5	16QAM	1	24	19.18	19.56		19.26	19.28	21.00
5	16QAM	12	0	18.17	18.44		18.23	18.33	20.00
5	16QAM	12	7	18.18	18.43		18.31	18.31	20.00
5	16QAM	12	13	18.28	18.55		18.42	18.57	20.00
5	16QAM	25	0	18.23	18.52		18.47	18.57	20.00
5	64QAM	1	0	18.22	18.43		18.26	18.22	20.00
5	64QAM	1	12	18.25	18.59		18.30	18.41	20.00
5	64QAM	1	24	18.22	18.52		18.21	18.39	20.00
5	64QAM	12	0	17.27	17.62		17.43	17.50	19.00
5	64QAM	12	7	17.42	17.64		17.50	17.59	19.00
5	64QAM	12	13	17.12	17.52		17.32	17.40	19.00
5	64QAM	25	0	17.19	17.46		17.23	17.35	19.00
5	256QAM	1	0	15.22	15.46		15.46	15.40	17.00
5	256QAM	1	12	15.39	15.47		15.41	15.55	17.00
5	256QAM	1	24	15.42	15.61		15.50	15.49	17.00
5	256QAM	12	0	15.30	15.49		15.44	15.46	17.00
5	256QAM	12	7	15.19	15.40		15.32	15.33	17.00
5	256QAM	12	13	15.29	15.52		15.43	15.42	17.00
5	256QAM	25	0	15.27	15.38		15.31	15.28	17.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.50	20.70		20.61	20.69	22.00
20	QPSK	1	49	20.23	20.43		20.30	20.49	22.00
20	QPSK	1	99	20.02	20.39		20.25	20.22	22.00
20	QPSK	50	0	19.40	19.71		19.44	19.58	21.00
20	QPSK	50	24	19.36	19.55		19.40	19.52	21.00
20	QPSK	50	50	19.14	19.48		19.18	19.32	21.00
20	QPSK	100	0	19.29	19.58		19.49	19.48	21.00
20	16QAM	1	0	19.33	19.58		19.52	19.58	21.00
20	16QAM	1	49	19.27	19.59		19.38	19.46	21.00
20	16QAM	1	99	19.27	19.63		19.36	19.37	21.00
20	16QAM	50	0	18.26	18.51		18.30	18.40	20.00
20	16QAM	50	24	18.31	18.58		18.38	18.40	20.00
20	16QAM	50	50	18.38	18.62		18.48	18.59	20.00
20	16QAM	100	0	18.33	18.61		18.48	18.62	20.00
20	64QAM	1	0	18.23	18.50		18.34	18.30	20.00
20	64QAM	1	49	18.32	18.72		18.43	18.51	20.00
20	64QAM	1	99	18.24	18.57		18.33	18.47	20.00
20	64QAM	50	0	17.38	17.63		17.57	17.56	19.00
20	64QAM	50	24	17.50	17.68		17.61	17.70	19.00
20	64QAM	50	50	17.25	17.60		17.46	17.42	19.00
20	64QAM	100	0	17.27	17.57		17.30	17.48	19.00
20	256QAM	1	0	15.36	15.55		15.50	15.49	17.00
20	256QAM	1	49	15.41	15.61		15.53	15.60	17.00
20	256QAM	1	99	15.48	15.66		15.55	15.61	17.00
20	256QAM	50	0	15.31	15.63		15.48	15.53	17.00
20	256QAM	50	24	15.21	15.49		15.38	15.45	17.00
20	256QAM	50	50	15.37	15.59		15.52	15.52	17.00
20	256QAM	100	0	15.29	15.51		15.36	15.43	17.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.39	20.68		20.51	20.63	22.00
15	QPSK	1	37	20.16	20.35		20.26	20.42	22.00
15	QPSK	1	74	20.01	20.27		20.23	20.15	22.00
15	QPSK	36	0	19.28	19.60		19.33	19.47	21.00
15	QPSK	36	20	19.31	19.45		19.29	19.45	21.00
15	QPSK	36	39	19.05	19.38		19.16	19.30	21.00
15	QPSK	75	0	19.22	19.56		19.48	19.37	21.00
15	16QAM	1	0	19.26	19.57		19.39	19.45	21.00
15	16QAM	1	37	19.17	19.53		19.37	19.40	21.00
15	16QAM	1	74	19.17	19.53		19.23	19.36	21.00
15	16QAM	36	0	18.14	18.47		18.28	18.34	20.00
15	16QAM	36	20	18.29	18.52		18.31	18.27	20.00
15	16QAM	36	39	18.25	18.59		18.44	18.52	20.00



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15	16QAM	75	0	18.22	18.51		18.33	18.50	20.00
15	64QAM	1	0	18.16	18.40		18.23	18.22	20.00
15	64QAM	1	37	18.19	18.66		18.30	18.38	20.00
15	64QAM	1	74	18.16	18.52		18.20	18.36	20.00
15	64QAM	36	0	17.34	17.59		17.49	17.49	19.00
15	64QAM	36	20	17.39	17.66		17.52	17.67	19.00
15	64QAM	36	39	17.16	17.49		17.39	17.29	19.00
15	64QAM	75	0	17.21	17.54		17.19	17.35	19.00
15	256QAM	1	0	15.32	15.42		15.43	15.44	17.00
15	256QAM	1	37	15.26	15.59		15.50	15.51	17.00
15	256QAM	1	74	15.46	15.56		15.50	15.52	17.00
15	256QAM	36	0	15.19	15.58		15.37	15.51	17.00
15	256QAM	36	20	15.12	15.41		15.35	15.37	17.00
15	256QAM	36	39	15.24	15.47		15.40	15.46	17.00
15	256QAM	75	0	15.27	15.44		15.29	15.30	17.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.36	20.61		20.48	20.55	22.00
10	QPSK	1	25	20.15	20.35		20.23	20.43	22.00
10	QPSK	1	49	20.01	20.37		20.10	20.10	22.00
10	QPSK	25	0	19.30	19.68		19.39	19.34	21.00
10	QPSK	25	12	19.24	19.51		19.29	19.43	21.00
10	QPSK	25	25	19.00	19.42		19.12	19.25	21.00
10	QPSK	50	0	19.26	19.51		19.47	19.43	21.00
10	16QAM	1	0	19.31	19.47		19.38	19.49	21.00
10	16QAM	1	25	19.22	19.58		19.28	19.33	21.00
10	16QAM	1	49	19.23	19.50		19.26	19.29	21.00
10	16QAM	25	0	18.13	18.37		18.28	18.38	20.00
10	16QAM	25	12	18.17	18.43		18.27	18.35	20.00
10	16QAM	25	25	18.27	18.60		18.46	18.55	20.00
10	16QAM	50	0	18.29	18.54		18.37	18.55	20.00
10	64QAM	1	0	18.13	18.49		18.19	18.22	20.00
10	64QAM	1	25	18.28	18.69		18.29	18.47	20.00
10	64QAM	1	49	18.14	18.49		18.24	18.37	20.00
10	64QAM	25	0	17.32	17.53		17.42	17.52	19.00
10	64QAM	25	12	17.44	17.56		17.46	17.57	19.00
10	64QAM	25	25	17.21	17.54		17.34	17.28	19.00
10	64QAM	50	0	17.20	17.49		17.16	17.38	19.00
10	256QAM	1	0	15.24	15.42		15.47	15.40	17.00
10	256QAM	1	25	15.32	15.60		15.41	15.49	17.00
10	256QAM	1	49	15.35	15.62		15.43	15.59	17.00
10	256QAM	25	0	15.24	15.54		15.33	15.51	17.00
10	256QAM	25	12	15.12	15.47		15.25	15.43	17.00
10	256QAM	25	25	15.36	15.53		15.41	15.38	17.00
10	256QAM	50	0	15.27	15.47		15.30	15.30	17.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.41	20.65		20.47	20.60	22.00
5	QPSK	1	12	20.20	20.38		20.24	20.37	22.00
5	QPSK	1	24	20.01	20.33		20.15	20.13	22.00
5	QPSK	12	0	19.37	19.65		19.36	19.41	21.00
5	QPSK	12	7	19.21	19.49		19.29	19.50	21.00
5	QPSK	12	13	19.05	19.38		19.13	19.30	21.00
5	QPSK	25	0	19.20	19.57		19.37	19.46	21.00
5	16QAM	1	0	19.27	19.51		19.45	19.49	21.00
5	16QAM	1	12	19.18	19.49		19.34	19.44	21.00
5	16QAM	1	24	19.18	19.56		19.26	19.28	21.00
5	16QAM	12	0	18.17	18.44		18.23	18.33	20.00
5	16QAM	12	7	18.18	18.43		18.31	18.31	20.00
5	16QAM	12	13	18.28	18.55		18.42	18.57	20.00
5	16QAM	25	0	18.23	18.52		18.47	18.57	20.00
5	64QAM	1	0	18.22	18.43		18.26	18.22	20.00
5	64QAM	1	12	18.25	18.59		18.30	18.41	20.00
5	64QAM	1	24	18.22	18.52		18.21	18.39	20.00
5	64QAM	12	0	17.27	17.62		17.43	17.50	19.00
5	64QAM	12	7	17.42	17.64		17.50	17.59	19.00
5	64QAM	12	13	17.12	17.52		17.32	17.40	19.00
5	64QAM	25	0	17.19	17.46		17.23	17.35	19.00
5	256QAM	1	0	15.22	15.46		15.46	15.40	17.00
5	256QAM	1	12	15.39	15.47		15.41	15.55	17.00
5	256QAM	1	24	15.42	15.61		15.50	15.49	17.00
5	256QAM	12	0	15.30	15.49		15.44	15.46	17.00
5	256QAM	12	7	15.19	15.40		15.32	15.33	17.00
5	256QAM	12	13	15.29	15.52		15.43	15.42	17.00
5	256QAM	25	0	15.27	15.38		15.31	15.28	17.00



【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	19.42	19.44		19.40	19.36	20.70
20	QPSK	1	49	19.12	19.28		19.15	19.11	20.70
20	QPSK	1	99	19.17	19.24		19.06	19.04	20.70
20	QPSK	50	0	19.11	19.18		19.11	19.15	20.70
20	QPSK	50	24	19.07	19.16		18.99	19.06	20.70
20	QPSK	50	50	19.09	19.17		19.08	19.06	20.70
20	QPSK	100	0	19.11	19.16		19.12	19.03	20.70
20	16QAM	1	0	19.26	19.33		19.21	19.21	20.70
20	16QAM	1	49	19.18	19.23		19.09	19.09	20.70
20	16QAM	1	99	19.24	19.31		19.19	19.17	20.70
20	16QAM	50	0	18.59	18.74		18.63	18.55	20.00
20	16QAM	50	24	18.67	18.83		18.75	18.70	20.00
20	16QAM	50	50	18.58	18.70		18.53	18.48	20.00
20	16QAM	100	0	18.68	18.73		18.66	18.60	20.00
20	64QAM	1	0	18.64	18.77		18.59	18.67	20.00
20	64QAM	1	49	18.59	18.71		18.56	18.57	20.00
20	64QAM	1	99	18.72	18.82		18.72	18.70	20.00
20	64QAM	50	0	17.60	17.71		17.56	17.53	19.00
20	64QAM	50	24	17.73	17.78		17.61	17.57	19.00
20	64QAM	50	50	17.66	17.73		17.66	17.52	19.00
20	64QAM	100	0	17.54	17.67		17.53	17.47	19.00
20	256QAM	1	0	15.68	15.78		15.71	15.63	17.00
20	256QAM	1	49	15.58	15.68		15.57	15.53	17.00
20	256QAM	1	99	15.53	15.68		15.58	15.56	17.00
20	256QAM	50	0	15.53	15.69		15.58	15.61	17.00
20	256QAM	50	24	15.70	15.81		15.74	15.68	17.00
20	256QAM	50	50	15.72	15.83		15.72	15.73	17.00
20	256QAM	100	0	15.58	15.69		15.55	15.58	17.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.28	19.31		19.31	19.24	20.70
15	QPSK	1	37	19.11	19.17		19.00	19.04	20.70
15	QPSK	1	74	19.13	19.11		18.93	18.91	20.70
15	QPSK	36	0	19.07	19.12		19.05	18.93	20.70
15	QPSK	36	20	18.92	19.04		18.89	18.92	20.70
15	QPSK	36	39	19.06	19.03		19.07	18.97	20.70
15	QPSK	75	0	19.08	19.01		19.05	18.99	20.70
15	16QAM	1	0	19.18	19.20		19.18	19.17	20.70
15	16QAM	1	37	19.07	19.12		18.97	18.96	20.70
15	16QAM	1	74	19.17	19.19		19.14	19.11	20.70
15	16QAM	36	0	18.57	18.65		18.57	18.51	20.00
15	16QAM	36	20	18.59	18.75		18.69	18.65	20.00
15	16QAM	36	39	18.57	18.59		18.39	18.42	20.00
15	16QAM	75	0	18.62	18.60		18.59	18.59	20.00
15	64QAM	1	0	18.53	18.68		18.54	18.53	20.00
15	64QAM	1	37	18.44	18.64		18.50	18.44	20.00
15	64QAM	1	74	18.67	18.67		18.64	18.64	20.00
15	64QAM	36	0	17.55	17.67		17.52	17.44	19.00
15	64QAM	36	20	17.71	17.77		17.55	17.50	19.00
15	64QAM	36	39	17.53	17.59		17.53	17.48	19.00
15	64QAM	75	0	17.42	17.58		17.49	17.35	19.00
15	256QAM	1	0	15.61	15.72		15.57	15.61	17.00
15	256QAM	1	37	15.53	15.53		15.46	15.38	17.00
15	256QAM	1	74	15.42	15.53		15.48	15.47	17.00
15	256QAM	36	0	15.40	15.68		15.44	15.47	17.00
15	256QAM	36	20	15.64	15.71		15.60	15.54	17.00
15	256QAM	36	39	15.62	15.71		15.69	15.65	17.00
15	256QAM	75	0	15.48	15.55		15.50	15.48	17.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.34	19.33		19.31	19.31	20.70
10	QPSK	1	25	19.05	19.16		19.11	19.01	20.70
10	QPSK	1	49	19.07	19.18		19.01	19.00	20.70
10	QPSK	25	0	18.97	19.11		19.05	18.95	20.70
10	QPSK	25	12	19.00	19.08		18.87	19.01	20.70
10	QPSK	25	25	19.04	19.15		18.97	19.04	20.70



10	QPSK	50	0	19.00	19.14		19.03	18.88	20.70
10	16QAM	1	0	19.17	19.28		19.19	19.13	20.70
10	16QAM	1	25	19.06	19.10		19.00	18.97	20.70
10	16QAM	1	49	19.18	19.22		19.16	19.14	20.70
10	16QAM	25	0	18.52	18.64		18.61	18.48	20.00
10	16QAM	25	12	18.54	18.75		18.70	18.67	20.00
10	16QAM	25	25	18.53	18.66		18.46	18.44	20.00
10	16QAM	50	0	18.59	18.65		18.63	18.59	20.00
10	64QAM	1	0	18.50	18.66		18.45	18.62	20.00
10	64QAM	1	25	18.55	18.61		18.48	18.42	20.00
10	64QAM	1	49	18.64	18.75		18.68	18.68	20.00
10	64QAM	25	0	17.52	17.65		17.53	17.47	19.00
10	64QAM	25	12	17.59	17.70		17.52	17.43	19.00
10	64QAM	25	25	17.64	17.63		17.60	17.37	19.00
10	64QAM	50	0	17.39	17.53		17.39	17.46	19.00
10	256QAM	1	0	15.55	15.73		15.60	15.51	17.00
10	256QAM	1	25	15.53	15.61		15.47	15.39	17.00
10	256QAM	1	49	15.42	15.58		15.48	15.53	17.00
10	256QAM	25	0	15.45	15.55		15.53	15.52	17.00
10	256QAM	25	12	15.62	15.70		15.65	15.60	17.00
10	256QAM	25	25	15.70	15.74		15.60	15.70	17.00
10	256QAM	50	0	15.48	15.62		15.47	15.50	17.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	19.32	19.31		19.33	19.22	20.70
5	QPSK	1	12	19.02	19.18		19.13	19.05	20.70
5	QPSK	1	24	19.08	19.14		18.98	18.94	20.70
5	QPSK	12	0	19.00	19.09		18.99	18.97	20.70
5	QPSK	12	7	18.94	19.01		18.87	18.95	20.70
5	QPSK	12	13	19.00	19.04		18.96	18.97	20.70
5	QPSK	25	0	18.98	19.02		19.03	18.99	20.70
5	16QAM	1	0	19.15	19.30		19.15	19.19	20.70
5	16QAM	1	12	19.12	19.09		19.03	19.00	20.70
5	16QAM	1	24	19.11	19.23		19.09	19.04	20.70
5	16QAM	12	0	18.48	18.69		18.53	18.50	20.00
5	16QAM	12	7	18.57	18.77		18.65	18.56	20.00
5	16QAM	12	13	18.57	18.67		18.52	18.33	20.00
5	16QAM	25	0	18.60	18.68		18.51	18.58	20.00
5	64QAM	1	0	18.63	18.66		18.54	18.63	20.00
5	64QAM	1	12	18.50	18.65		18.43	18.50	20.00
5	64QAM	1	24	18.66	18.75		18.68	18.58	20.00
5	64QAM	12	0	17.55	17.57		17.55	17.45	19.00
5	64QAM	12	7	17.66	17.72		17.52	17.50	19.00
5	64QAM	12	13	17.64	17.59		17.53	17.45	19.00
5	64QAM	25	0	17.42	17.57		17.40	17.34	19.00
5	256QAM	1	0	15.63	15.76		15.61	15.49	17.00
5	256QAM	1	12	15.49	15.56		15.43	15.48	17.00
5	256QAM	1	24	15.49	15.65		15.43	15.43	17.00
5	256QAM	12	0	15.47	15.58		15.45	15.49	17.00
5	256QAM	12	7	15.59	15.76		15.63	15.59	17.00
5	256QAM	12	13	15.64	15.78		15.69	15.61	17.00
5	256QAM	25	0	15.48	15.60		15.43	15.55	17.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.69	20.70		20.61	20.69	22.00
20	QPSK	1	49	20.23	20.43		20.30	20.49	22.00
20	QPSK	1	99	20.02	20.39		20.25	20.22	22.00
20	QPSK	50	0	19.40	19.71		19.44	19.58	21.00
20	QPSK	50	24	19.36	19.55		19.40	19.52	21.00
20	QPSK	50	50	19.14	19.48		19.18	19.32	21.00
20	QPSK	100	0	19.29	19.58		19.49	19.48	21.00
20	16QAM	1	0	19.33	19.58		19.52	19.58	21.00
20	16QAM	1	49	19.27	19.59		19.38	19.46	21.00
20	16QAM	1	99	19.27	19.63		19.36	19.37	21.00
20	16QAM	50	0	18.26	18.51		18.30	18.40	20.00
20	16QAM	50	24	18.31	18.58		18.38	18.40	20.00
20	16QAM	50	50	18.38	18.62		18.48	18.59	20.00



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20	16QAM	100	0	18.33	18.61		18.48	18.62	20.00
20	64QAM	1	0	18.23	18.50		18.34	18.30	20.00
20	64QAM	1	49	18.32	18.72		18.43	18.51	20.00
20	64QAM	1	99	18.24	18.57		18.33	18.47	20.00
20	64QAM	50	0	17.38	17.63		17.57	17.56	19.00
20	64QAM	50	24	17.50	17.68		17.61	17.70	19.00
20	64QAM	50	50	17.25	17.60		17.46	17.42	19.00
20	64QAM	100	0	17.27	17.57		17.30	17.48	19.00
20	256QAM	1	0	15.36	15.55		15.50	15.49	17.00
20	256QAM	1	49	15.41	15.61		15.53	15.60	17.00
20	256QAM	1	99	15.48	15.66		15.55	15.61	17.00
20	256QAM	50	0	15.31	15.63		15.48	15.53	17.00
20	256QAM	50	24	15.21	15.49		15.38	15.45	17.00
20	256QAM	50	50	15.37	15.59		15.52	15.52	17.00
20	256QAM	100	0	15.29	15.51		15.36	15.43	17.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.39	20.68		20.51	20.63	22.00
15	QPSK	1	37	20.16	20.35		20.26	20.42	22.00
15	QPSK	1	74	20.01	20.27		20.23	20.15	22.00
15	QPSK	36	0	19.28	19.60		19.33	19.47	21.00
15	QPSK	36	20	19.31	19.45		19.29	19.45	21.00
15	QPSK	36	39	19.05	19.38		19.16	19.30	21.00
15	QPSK	75	0	19.22	19.56		19.48	19.37	21.00
15	16QAM	1	0	19.26	19.57		19.39	19.45	21.00
15	16QAM	1	37	19.17	19.53		19.37	19.40	21.00
15	16QAM	1	74	19.17	19.53		19.23	19.36	21.00
15	16QAM	36	0	18.14	18.47		18.28	18.34	20.00
15	16QAM	36	20	18.29	18.52		18.31	18.27	20.00
15	16QAM	36	39	18.25	18.59		18.44	18.52	20.00
15	16QAM	75	0	18.22	18.51		18.33	18.50	20.00
15	64QAM	1	0	18.16	18.40		18.23	18.22	20.00
15	64QAM	1	37	18.19	18.66		18.30	18.38	20.00
15	64QAM	1	74	18.16	18.52		18.20	18.36	20.00
15	64QAM	36	0	17.34	17.59		17.49	17.49	19.00
15	64QAM	36	20	17.39	17.66		17.52	17.67	19.00
15	64QAM	36	39	17.16	17.49		17.39	17.29	19.00
15	64QAM	75	0	17.21	17.54		17.19	17.35	19.00
15	256QAM	1	0	15.32	15.42		15.43	15.44	17.00
15	256QAM	1	37	15.26	15.59		15.50	15.51	17.00
15	256QAM	1	74	15.46	15.56		15.50	15.52	17.00
15	256QAM	36	0	15.19	15.58		15.37	15.51	17.00
15	256QAM	36	20	15.12	15.41		15.35	15.37	17.00
15	256QAM	36	39	15.24	15.47		15.40	15.46	17.00
15	256QAM	75	0	15.27	15.44		15.29	15.30	17.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.36	20.61		20.48	20.55	22.00
10	QPSK	1	25	20.15	20.35		20.23	20.43	22.00
10	QPSK	1	49	20.01	20.37		20.10	20.10	22.00
10	QPSK	25	0	19.30	19.68		19.39	19.34	21.00
10	QPSK	25	12	19.24	19.51		19.29	19.43	21.00
10	QPSK	25	25	19.00	19.42		19.12	19.25	21.00
10	QPSK	50	0	19.26	19.51		19.47	19.43	21.00
10	16QAM	1	0	19.31	19.47		19.38	19.49	21.00
10	16QAM	1	25	19.22	19.58		19.28	19.33	21.00
10	16QAM	1	49	19.23	19.50		19.26	19.29	21.00
10	16QAM	25	0	18.13	18.37		18.28	18.38	20.00
10	16QAM	25	12	18.17	18.43		18.27	18.35	20.00
10	16QAM	25	25	18.27	18.60		18.46	18.55	20.00
10	16QAM	50	0	18.29	18.54		18.37	18.55	20.00
10	64QAM	1	0	18.13	18.49		18.19	18.22	20.00
10	64QAM	1	25	18.28	18.69		18.29	18.47	20.00
10	64QAM	1	49	18.14	18.49		18.24	18.37	20.00
10	64QAM	25	0	17.32	17.53		17.42	17.52	19.00
10	64QAM	25	12	17.44	17.56		17.46	17.57	19.00
10	64QAM	25	25	17.21	17.54		17.34	17.28	19.00
10	64QAM	50	0	17.20	17.49		17.16	17.38	19.00
10	256QAM	1	0	15.24	15.42		15.47	15.40	17.00
10	256QAM	1	25	15.32	15.60		15.41	15.49	17.00
10	256QAM	1	49	15.35	15.62		15.43	15.59	17.00
10	256QAM	25	0	15.24	15.54		15.33	15.51	17.00
10	256QAM	25	12	15.12	15.47		15.25	15.43	17.00
10	256QAM	25	25	15.36	15.53		15.41	15.38	17.00
10	256QAM	50	0	15.27	15.47		15.30	15.30	17.00
Channel				55265	55810	55990	56170	56715	Tune-up



Frequency (MHz)				3552.5	3607	3625	3643	3697.5	limit (dBm)
5	QPSK	1	0	20.41	20.65		20.47	20.60	22.00
5	QPSK	1	12	20.20	20.38		20.24	20.37	22.00
5	QPSK	1	24	20.01	20.33		20.15	20.13	22.00
5	QPSK	12	0	19.37	19.65		19.36	19.41	21.00
5	QPSK	12	7	19.21	19.49		19.29	19.50	21.00
5	QPSK	12	13	19.05	19.38		19.13	19.30	21.00
5	QPSK	25	0	19.20	19.57		19.37	19.46	21.00
5	16QAM	1	0	19.27	19.51		19.45	19.49	21.00
5	16QAM	1	12	19.18	19.49		19.34	19.44	21.00
5	16QAM	1	24	19.18	19.56		19.26	19.28	21.00
5	16QAM	12	0	18.17	18.44		18.23	18.33	20.00
5	16QAM	12	7	18.18	18.43		18.31	18.31	20.00
5	16QAM	12	13	18.28	18.55		18.42	18.57	20.00
5	16QAM	25	0	18.23	18.52		18.47	18.57	20.00
5	64QAM	1	0	18.22	18.43		18.26	18.22	20.00
5	64QAM	1	12	18.25	18.59		18.30	18.41	20.00
5	64QAM	1	24	18.22	18.52		18.21	18.39	20.00
5	64QAM	12	0	17.27	17.62		17.43	17.50	19.00
5	64QAM	12	7	17.42	17.64		17.50	17.59	19.00
5	64QAM	12	13	17.12	17.52		17.32	17.40	19.00
5	64QAM	25	0	17.19	17.46		17.23	17.35	19.00
5	256QAM	1	0	15.22	15.46		15.46	15.40	17.00
5	256QAM	1	12	15.39	15.47		15.41	15.55	17.00
5	256QAM	1	24	15.42	15.61		15.50	15.49	17.00
5	256QAM	12	0	15.30	15.49		15.44	15.46	17.00
5	256QAM	12	7	15.19	15.40		15.32	15.33	17.00
5	256QAM	12	13	15.29	15.52		15.43	15.42	17.00
5	256QAM	25	0	15.27	15.38		15.31	15.28	17.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_DSI 12】

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				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	13.95	13.97		13.91	13.91	15.40
20	QPSK	1	49	13.82	13.88		13.78	13.76	15.40
20	QPSK	1	99	13.88	13.93		13.81	13.78	15.40
20	QPSK	50	0	13.85	13.96		13.89	13.85	15.40
20	QPSK	50	24	13.84	13.81		13.79	13.76	15.40
20	QPSK	50	50	13.82	13.83		13.80	13.77	15.40
20	QPSK	100	0	13.84	13.89		13.78	13.88	15.40
20	16QAM	1	0	13.92	13.83		13.77	13.84	15.40
20	16QAM	1	49	13.83	13.86		13.82	13.80	15.40
20	16QAM	1	99	13.88	13.86		13.81	13.81	15.40
20	16QAM	50	0	13.87	13.91		13.82	13.81	15.40
20	16QAM	50	24	13.88	13.83		13.80	13.83	15.40
20	16QAM	50	50	13.86	13.84		13.88	13.87	15.40
20	16QAM	100	0	13.83	13.90		13.78	13.80	15.40
20	64QAM	1	0	13.80	13.86		13.83	13.79	15.40
20	64QAM	1	49	13.81	13.83		13.84	13.80	15.40
20	64QAM	1	99	13.81	13.86		13.81	13.83	15.40
20	64QAM	50	0	13.85	13.94		13.77	13.83	15.40
20	64QAM	50	24	13.86	13.86		13.80	13.85	15.40
20	64QAM	50	50	13.84	13.86		13.86	13.76	15.40
20	64QAM	100	0	13.85	13.84		13.80	13.87	15.40
20	256QAM	1	0	13.83	13.91		13.79	13.82	15.40
20	256QAM	1	49	13.83	13.88		13.79	13.79	15.40
20	256QAM	1	99	13.92	13.92		13.80	13.86	15.40
20	256QAM	50	0	13.85	13.88		13.82	13.84	15.40
20	256QAM	50	24	13.82	13.94		13.80	13.84	15.40
20	256QAM	50	50	13.82	13.89		13.76	13.84	15.40
20	256QAM	100	0	13.87	13.89		13.78	13.87	15.40
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	13.80	13.89		13.83	13.82	15.40
15	QPSK	1	37	13.77	13.74		13.71	13.74	15.40
15	QPSK	1	74	13.76	13.85		13.79	13.70	15.40
15	QPSK	36	0	13.74	13.82		13.69	13.75	15.40
15	QPSK	36	20	13.81	13.89		13.74	13.79	15.40



15	QPSK	36	39	13.78	13.80		13.76	13.73	15.40
15	QPSK	75	0	13.72	13.74		13.76	13.83	15.40
15	16QAM	1	0	13.81	13.72		13.68	13.69	15.40
15	16QAM	1	37	13.75	13.73		13.68	13.70	15.40
15	16QAM	1	74	13.78	13.80		13.70	13.70	15.40
15	16QAM	36	0	13.78	13.76		13.72	13.75	15.40
15	16QAM	36	20	13.75	13.78		13.67	13.75	15.40
15	16QAM	36	39	13.76	13.74		13.76	13.75	15.40
15	16QAM	75	0	13.74	13.83		13.76	13.67	15.40
15	64QAM	1	0	13.68	13.78		13.70	13.75	15.40
15	64QAM	1	37	13.76	13.69		13.74	13.70	15.40
15	64QAM	1	74	13.72	13.77		13.72	13.81	15.40
15	64QAM	36	0	13.72	13.86		13.75	13.75	15.40
15	64QAM	36	20	13.84	13.83		13.75	13.75	15.40
15	64QAM	36	39	13.82	13.74		13.77	13.64	15.40
15	64QAM	75	0	13.75	13.78		13.73	13.73	15.40
15	256QAM	1	0	13.68	13.86		13.77	13.76	15.40
15	256QAM	1	37	13.69	13.78		13.75	13.68	15.40
15	256QAM	1	74	13.85	13.89		13.78	13.84	15.40
15	256QAM	36	0	13.78	13.78		13.70	13.80	15.40
15	256QAM	36	20	13.79	13.89		13.66	13.80	15.40
15	256QAM	36	39	13.76	13.85		13.71	13.82	15.40
15	256QAM	75	0	13.74	13.78		13.76	13.75	15.40
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	13.87	13.92		13.82	13.80	15.40
10	QPSK	1	25	13.75	13.80		13.76	13.64	15.40
10	QPSK	1	49	13.84	13.81		13.74	13.64	15.40
10	QPSK	25	0	13.81	13.90		13.67	13.80	15.40
10	QPSK	25	12	13.77	13.78		13.71	13.78	15.40
10	QPSK	25	25	13.79	13.78		13.78	13.83	15.40
10	QPSK	50	0	13.80	13.79		13.64	13.75	15.40
10	16QAM	1	0	13.87	13.77		13.64	13.79	15.40
10	16QAM	1	25	13.71	13.83		13.79	13.77	15.40
10	16QAM	1	49	13.79	13.82		13.75	13.79	15.40
10	16QAM	25	0	13.79	13.88		13.76	13.72	15.40
10	16QAM	25	12	13.85	13.75		13.78	13.72	15.40
10	16QAM	25	25	13.77	13.71		13.85	13.76	15.40
10	16QAM	50	0	13.71	13.84		13.64	13.79	15.40
10	64QAM	1	0	13.76	13.84		13.75	13.65	15.40
10	64QAM	1	25	13.67	13.82		13.76	13.67	15.40
10	64QAM	1	49	13.69	13.79		13.79	13.82	15.40
10	64QAM	25	0	13.75	13.83		13.67	13.69	15.40
10	64QAM	25	12	13.84	13.77		13.72	13.83	15.40
10	64QAM	25	25	13.78	13.83		13.73	13.65	15.40
10	64QAM	50	0	13.79	13.78		13.67	13.82	15.40
10	256QAM	1	0	13.81	13.85		13.71	13.79	15.40
10	256QAM	1	25	13.74	13.79		13.77	13.71	15.40
10	256QAM	1	49	13.90	13.84		13.75	13.75	15.40
10	256QAM	25	0	13.82	13.83		13.76	13.75	15.40
10	256QAM	25	12	13.71	13.90		13.73	13.74	15.40
10	256QAM	25	25	13.71	13.82		13.67	13.80	15.40
10	256QAM	50	0	13.74	13.75		13.76	13.86	15.40
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	13.88	13.95		13.83	13.89	15.40
5	QPSK	1	12	13.75	13.84		13.69	13.62	15.40
5	QPSK	1	24	13.74	13.80		13.75	13.67	15.40
5	QPSK	12	0	13.78	13.86		13.71	13.83	15.40
5	QPSK	12	7	13.78	13.86		13.67	13.80	15.40
5	QPSK	12	13	13.85	13.82		13.69	13.85	15.40
5	QPSK	25	0	13.72	13.75		13.65	13.85	15.40
5	16QAM	1	0	13.83	13.70		13.63	13.74	15.40
5	16QAM	1	12	13.77	13.72		13.80	13.76	15.40
5	16QAM	1	24	13.84	13.81		13.77	13.68	15.40
5	16QAM	12	0	13.82	13.87		13.75	13.68	15.40
5	16QAM	12	7	13.85	13.73		13.68	13.75	15.40
5	16QAM	12	13	13.83	13.70		13.83	13.82	15.40
5	16QAM	25	0	13.82	13.81		13.66	13.72	15.40
5	64QAM	1	0	13.69	13.75		13.80	13.68	15.40
5	64QAM	1	12	13.70	13.69		13.77	13.79	15.40
5	64QAM	1	24	13.69	13.74		13.72	13.71	15.40
5	64QAM	12	0	13.76	13.88		13.65	13.80	15.40
5	64QAM	12	7	13.83	13.73		13.74	13.80	15.40
5	64QAM	12	13	13.83	13.73		13.83	13.71	15.40
5	64QAM	25	0	13.79	13.73		13.72	13.82	15.40



5	256QAM	1	0	13.81	13.77		13.71	13.72	15.40
5	256QAM	1	12	13.72	13.80		13.76	13.78	15.40
5	256QAM	1	24	13.88	13.88		13.71	13.79	15.40
5	256QAM	12	0	13.83	13.84		13.73	13.79	15.40
5	256QAM	12	7	13.76	13.82		13.69	13.73	15.40
5	256QAM	12	13	13.79	13.78		13.75	13.69	15.40
5	256QAM	25	0	13.75	13.86		13.76	13.84	15.40

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_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				55340	55830	55990	56150	56640	20.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	18.92	18.97		18.90	18.92	20.00
20	QPSK	1	49	18.72	18.84		18.62	18.72	20.00
20	QPSK	1	99	18.66	18.77		18.68	18.66	20.00
20	QPSK	50	0	18.79	18.84		18.76	18.79	20.00
20	QPSK	50	24	18.66	18.79		18.59	18.66	20.00
20	QPSK	50	50	18.55	18.71		18.54	18.55	20.00
20	QPSK	100	0	18.72	18.76		18.69	18.72	20.00
20	16QAM	1	0	18.50	18.69		18.51	18.50	20.00
20	16QAM	1	49	18.58	18.70		18.57	18.58	20.00
20	16QAM	1	99	18.65	18.83		18.68	18.65	20.00
20	16QAM	50	0	18.59	18.79		18.60	18.59	20.00
20	16QAM	50	24	18.66	18.82		18.65	18.66	20.00
20	16QAM	50	50	18.62	18.72		18.59	18.62	20.00
20	16QAM	100	0	18.60	18.78		18.69	18.60	20.00
20	64QAM	1	0	18.71	18.77		18.68	18.71	20.00
20	64QAM	1	49	18.53	18.71		18.52	18.53	20.00
20	64QAM	1	99	18.59	18.72		18.58	18.59	20.00
20	64QAM	50	0	17.38	17.63		17.57	17.56	19.00
20	64QAM	50	24	17.50	17.68		17.61	17.70	19.00
20	64QAM	50	50	17.25	17.60		17.46	17.42	19.00
20	64QAM	100	0	17.27	17.57		17.30	17.48	19.00
20	256QAM	1	0	15.36	15.55		15.50	15.49	17.00
20	256QAM	1	49	15.41	15.61		15.53	15.60	17.00
20	256QAM	1	99	15.48	15.66		15.55	15.61	17.00
20	256QAM	50	0	15.31	15.63		15.48	15.53	17.00
20	256QAM	50	24	15.21	15.49		15.38	15.45	17.00
20	256QAM	50	50	15.37	15.59		15.52	15.52	17.00
20	256QAM	100	0	15.29	15.51		15.36	15.43	17.00
Channel				55315	55820	55990	56160	56665	20.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	18.85	18.84		18.85	18.85	20.00
15	QPSK	1	37	18.71	18.81		18.50	18.70	20.00
15	QPSK	1	74	18.54	18.72		18.58	18.55	20.00
15	QPSK	36	0	18.66	18.81		18.74	18.77	20.00
15	QPSK	36	20	18.56	18.64		18.48	18.57	20.00
15	QPSK	36	39	18.45	18.57		18.52	18.42	20.00
15	QPSK	75	0	18.65	18.70		18.67	18.64	20.00
15	16QAM	1	0	18.47	18.56		18.37	18.43	20.00
15	16QAM	1	37	18.45	18.64		18.46	18.43	20.00
15	16QAM	1	74	18.62	18.72		18.66	18.62	20.00
15	16QAM	36	0	18.47	18.71		18.57	18.49	20.00
15	16QAM	36	20	18.63	18.74		18.54	18.54	20.00
15	16QAM	36	39	18.60	18.66		18.49	18.49	20.00
15	16QAM	75	0	18.59	18.66		18.63	18.48	20.00
15	64QAM	1	0	18.63	18.72		18.53	18.62	20.00
15	64QAM	1	37	18.46	18.61		18.51	18.41	20.00
15	64QAM	1	74	18.51	18.69		18.54	18.49	20.00
15	64QAM	36	0	17.24	17.61		17.43	17.48	19.00
15	64QAM	36	20	17.39	17.66		17.53	17.64	19.00
15	64QAM	36	39	17.22	17.59		17.42	17.29	19.00
15	64QAM	75	0	17.23	17.53		17.25	17.43	19.00
15	256QAM	1	0	15.29	15.44		15.37	15.42	17.00
15	256QAM	1	37	15.36	15.48		15.49	15.57	17.00
15	256QAM	1	74	15.45	15.54		15.44	15.47	17.00
15	256QAM	36	0	15.27	15.61		15.44	15.46	17.00
15	256QAM	36	20	15.09	15.38		15.27	15.32	17.00
15	256QAM	36	39	15.26	15.51		15.40	15.43	17.00
15	256QAM	75	0	15.20	15.45		15.24	15.39	17.00



Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	18.81	18.93		18.89	18.88	20.00
10	QPSK	1	25	18.57	18.72		18.49	18.64	20.00
10	QPSK	1	49	18.61	18.66		18.53	18.56	20.00
10	QPSK	25	0	18.72	18.75		18.74	18.72	20.00
10	QPSK	25	12	18.63	18.67		18.48	18.63	20.00
10	QPSK	25	25	18.53	18.63		18.44	18.44	20.00
10	QPSK	50	0	18.59	18.61		18.67	18.66	20.00
10	16QAM	1	0	18.48	18.65		18.37	18.44	20.00
10	16QAM	1	25	18.46	18.68		18.50	18.56	20.00
10	16QAM	1	49	18.59	18.75		18.57	18.50	20.00
10	16QAM	25	0	18.54	18.71		18.52	18.49	20.00
10	16QAM	25	12	18.58	18.72		18.55	18.62	20.00
10	16QAM	25	25	18.56	18.59		18.57	18.49	20.00
10	16QAM	50	0	18.50	18.65		18.62	18.50	20.00
10	64QAM	1	0	18.62	18.66		18.64	18.65	20.00
10	64QAM	1	25	18.50	18.64		18.41	18.46	20.00
10	64QAM	1	49	18.50	18.70		18.55	18.51	20.00
10	64QAM	25	0	17.29	17.60		17.48	17.46	19.00
10	64QAM	25	12	17.43	17.58		17.54	17.64	19.00
10	64QAM	25	25	17.20	17.49		17.34	17.34	19.00
10	64QAM	50	0	17.23	17.44		17.20	17.36	19.00
10	256QAM	1	0	15.22	15.47		15.36	15.44	17.00
10	256QAM	1	25	15.34	15.49		15.51	15.46	17.00
10	256QAM	1	49	15.43	15.59		15.49	15.53	17.00
10	256QAM	25	0	15.19	15.60		15.46	15.43	17.00
10	256QAM	25	12	15.19	15.46		15.35	15.32	17.00
10	256QAM	25	25	15.31	15.51		15.43	15.42	17.00
10	256QAM	50	0	15.19	15.39		15.23	15.34	17.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	18.79	18.85		18.79	18.80	20.00
5	QPSK	1	12	18.57	18.77		18.57	18.65	20.00
5	QPSK	1	24	18.54	18.66		18.55	18.56	20.00
5	QPSK	12	0	18.66	18.78		18.69	18.78	20.00
5	QPSK	12	7	18.54	18.77		18.49	18.61	20.00
5	QPSK	12	13	18.46	18.62		18.49	18.45	20.00
5	QPSK	25	0	18.62	18.64		18.61	18.60	20.00
5	16QAM	1	0	18.37	18.61		18.44	18.41	20.00
5	16QAM	1	12	18.47	18.60		18.52	18.45	20.00
5	16QAM	1	24	18.55	18.75		18.57	18.60	20.00
5	16QAM	12	0	18.53	18.74		18.47	18.51	20.00
5	16QAM	12	7	18.53	18.81		18.62	18.58	20.00
5	16QAM	12	13	18.53	18.59		18.47	18.57	20.00
5	16QAM	25	0	18.57	18.74		18.55	18.53	20.00
5	64QAM	1	0	18.63	18.67		18.56	18.64	20.00
5	64QAM	1	12	18.47	18.60		18.39	18.48	20.00
5	64QAM	1	24	18.57	18.58		18.44	18.46	20.00
5	64QAM	12	0	17.37	17.49		17.43	17.48	19.00
5	64QAM	12	7	17.48	17.53		17.53	17.61	19.00
5	64QAM	12	13	17.11	17.51		17.41	17.31	19.00
5	64QAM	25	0	17.15	17.46		17.24	17.43	19.00
5	256QAM	1	0	15.30	15.49		15.35	15.37	17.00
5	256QAM	1	12	15.27	15.48		15.42	15.56	17.00
5	256QAM	1	24	15.37	15.54		15.41	15.57	17.00
5	256QAM	12	0	15.24	15.55		15.40	15.48	17.00
5	256QAM	12	7	15.16	15.45		15.24	15.40	17.00
5	256QAM	12	13	15.29	15.47		15.40	15.39	17.00
5	256QAM	25	0	15.14	15.45		15.27	15.29	17.00

**【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 2_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				55340	55830	55990	56150	56640	22.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.50	20.70		20.61	20.69	22.00
20	QPSK	1	49	20.23	20.43		20.30	20.49	22.00
20	QPSK	1	99	20.02	20.39		20.25	20.22	22.00
20	QPSK	50	0	19.40	19.71		19.44	19.58	21.00
20	QPSK	50	24	19.36	19.55		19.40	19.52	21.00
20	QPSK	50	50	19.14	19.48		19.18	19.32	21.00
20	QPSK	100	0	19.29	19.58		19.49	19.48	21.00
20	16QAM	1	0	19.33	19.58		19.52	19.58	21.00
20	16QAM	1	49	19.27	19.59		19.38	19.46	21.00
20	16QAM	1	99	19.27	19.63		19.36	19.37	21.00
20	16QAM	50	0	18.26	18.51		18.30	18.40	20.00
20	16QAM	50	24	18.31	18.58		18.38	18.40	20.00
20	16QAM	50	50	18.38	18.62		18.48	18.59	20.00
20	16QAM	100	0	18.33	18.61		18.48	18.62	20.00
20	64QAM	1	0	18.23	18.50		18.34	18.30	20.00
20	64QAM	1	49	18.32	18.72		18.43	18.51	20.00
20	64QAM	1	99	18.24	18.57		18.33	18.47	20.00
20	64QAM	50	0	17.38	17.63		17.57	17.56	19.00
20	64QAM	50	24	17.50	17.68		17.61	17.70	19.00
20	64QAM	50	50	17.25	17.60		17.46	17.42	19.00
20	64QAM	100	0	17.27	17.57		17.30	17.48	19.00
20	256QAM	1	0	15.36	15.55		15.50	15.49	17.00
20	256QAM	1	49	15.41	15.61		15.53	15.60	17.00
20	256QAM	1	99	15.48	15.66		15.55	15.61	17.00
20	256QAM	50	0	15.31	15.63		15.48	15.53	17.00
20	256QAM	50	24	15.21	15.49		15.38	15.45	17.00
20	256QAM	50	50	15.37	15.59		15.52	15.52	17.00
20	256QAM	100	0	15.29	15.51		15.36	15.43	17.00
Channel				55315	55820	55990	56160	56665	22.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	20.39	20.68		20.51	20.63	22.00
15	QPSK	1	37	20.16	20.35		20.26	20.42	22.00
15	QPSK	1	74	20.01	20.27		20.23	20.15	22.00
15	QPSK	36	0	19.28	19.60		19.33	19.47	21.00
15	QPSK	36	20	19.31	19.45		19.29	19.45	21.00
15	QPSK	36	39	19.05	19.38		19.16	19.30	21.00
15	QPSK	75	0	19.22	19.56		19.48	19.37	21.00
15	16QAM	1	0	19.26	19.57		19.39	19.45	21.00
15	16QAM	1	37	19.17	19.53		19.37	19.40	21.00
15	16QAM	1	74	19.17	19.53		19.23	19.36	21.00
15	16QAM	36	0	18.14	18.47		18.28	18.34	20.00
15	16QAM	36	20	18.29	18.52		18.31	18.27	20.00
15	16QAM	36	39	18.25	18.59		18.44	18.52	20.00
15	16QAM	75	0	18.22	18.51		18.33	18.50	20.00
15	64QAM	1	0	18.16	18.40		18.23	18.22	20.00
15	64QAM	1	37	18.19	18.66		18.30	18.38	20.00
15	64QAM	1	74	18.16	18.52		18.20	18.36	20.00
15	64QAM	36	0	17.34	17.59		17.49	17.49	19.00
15	64QAM	36	20	17.39	17.66		17.52	17.67	19.00
15	64QAM	36	39	17.16	17.49		17.39	17.29	19.00
15	64QAM	75	0	17.21	17.54		17.19	17.35	19.00
15	256QAM	1	0	15.32	15.42		15.43	15.44	17.00
15	256QAM	1	37	15.26	15.59		15.50	15.51	17.00
15	256QAM	1	74	15.46	15.56		15.50	15.52	17.00
15	256QAM	36	0	15.19	15.58		15.37	15.51	17.00
15	256QAM	36	20	15.12	15.41		15.35	15.37	17.00
15	256QAM	36	39	15.24	15.47		15.40	15.46	17.00
15	256QAM	75	0	15.27	15.44		15.29	15.30	17.00
Channel				55290	55815	55990	56165	56690	22.00
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	20.36	20.61		20.48	20.55	22.00
10	QPSK	1	25	20.15	20.35		20.23	20.43	22.00
10	QPSK	1	49	20.01	20.37		20.10	20.10	22.00
10	QPSK	25	0	19.30	19.68		19.39	19.34	21.00
10	QPSK	25	12	19.24	19.51		19.29	19.43	21.00
10	QPSK	25	25	19.00	19.42		19.12	19.25	21.00
10	QPSK	50	0	19.26	19.51		19.47	19.43	21.00
10	16QAM	1	0	19.31	19.47		19.38	19.49	21.00
10	16QAM	1	25	19.22	19.58		19.28	19.33	21.00

10	16QAM	1	49	19.23	19.50		19.26	19.29	21.00
10	16QAM	25	0	18.13	18.37		18.28	18.38	20.00
10	16QAM	25	12	18.17	18.43		18.27	18.35	20.00
10	16QAM	25	25	18.27	18.60		18.46	18.55	20.00
10	16QAM	50	0	18.29	18.54		18.37	18.55	20.00
10	64QAM	1	0	18.13	18.49		18.19	18.22	20.00
10	64QAM	1	25	18.28	18.69		18.29	18.47	20.00
10	64QAM	1	49	18.14	18.49		18.24	18.37	20.00
10	64QAM	25	0	17.32	17.53		17.42	17.52	19.00
10	64QAM	25	12	17.44	17.56		17.46	17.57	19.00
10	64QAM	25	25	17.21	17.54		17.34	17.28	19.00
10	64QAM	50	0	17.20	17.49		17.16	17.38	19.00
10	256QAM	1	0	15.24	15.42		15.47	15.40	17.00
10	256QAM	1	25	15.32	15.60		15.41	15.49	17.00
10	256QAM	1	49	15.35	15.62		15.43	15.59	17.00
10	256QAM	25	0	15.24	15.54		15.33	15.51	17.00
10	256QAM	25	12	15.12	15.47		15.25	15.43	17.00
10	256QAM	25	25	15.36	15.53		15.41	15.38	17.00
10	256QAM	50	0	15.27	15.47		15.30	15.30	17.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.41	20.65		20.47	20.60	22.00
5	QPSK	1	12	20.20	20.38		20.24	20.37	22.00
5	QPSK	1	24	20.01	20.33		20.15	20.13	22.00
5	QPSK	12	0	19.37	19.65		19.36	19.41	21.00
5	QPSK	12	7	19.21	19.49		19.29	19.50	21.00
5	QPSK	12	13	19.05	19.38		19.13	19.30	21.00
5	QPSK	25	0	19.20	19.57		19.37	19.46	21.00
5	16QAM	1	0	19.27	19.51		19.45	19.49	21.00
5	16QAM	1	12	19.18	19.49		19.34	19.44	21.00
5	16QAM	1	24	19.18	19.56		19.26	19.28	21.00
5	16QAM	12	0	18.17	18.44		18.23	18.33	20.00
5	16QAM	12	7	18.18	18.43		18.31	18.31	20.00
5	16QAM	12	13	18.28	18.55		18.42	18.57	20.00
5	16QAM	25	0	18.23	18.52		18.47	18.57	20.00
5	64QAM	1	0	18.22	18.43		18.26	18.22	20.00
5	64QAM	1	12	18.25	18.59		18.30	18.41	20.00
5	64QAM	1	24	18.22	18.52		18.21	18.39	20.00
5	64QAM	12	0	17.27	17.62		17.43	17.50	19.00
5	64QAM	12	7	17.42	17.64		17.50	17.59	19.00
5	64QAM	12	13	17.12	17.52		17.32	17.40	19.00
5	64QAM	25	0	17.19	17.46		17.23	17.35	19.00
5	256QAM	1	0	15.22	15.46		15.46	15.40	17.00
5	256QAM	1	12	15.39	15.47		15.41	15.55	17.00
5	256QAM	1	24	15.42	15.61		15.50	15.49	17.00
5	256QAM	12	0	15.30	15.49		15.44	15.46	17.00
5	256QAM	12	7	15.19	15.40		15.32	15.33	17.00
5	256QAM	12	13	15.29	15.52		15.43	15.42	17.00
5	256QAM	25	0	15.27	15.38		15.31	15.28	17.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00



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20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00



5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00



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15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00



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5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

<LTE Band 48_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				55340	55830	55990	56150		56640
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.97	22.15		21.95	22.09	23.00
20		1	49	21.70	21.78		21.77	21.89	23.00
20		1	99	21.61	21.72		21.65	21.86	23.00
20		50	0	22.11	22.14		22.03	22.09	23.00
20		50	24	21.73	21.77		21.69	21.84	23.00
20		50	50	21.72	21.76		21.80	21.96	23.00
20		100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20		1	49	21.80	21.79		21.78	21.94	23.00
20		1	99	21.54	21.64		21.67	21.82	23.00
20		50	0	20.64	20.79		20.82	20.85	22.00
20		50	24	20.72	20.85		20.83	20.90	22.00
20		50	50	20.83	20.94		20.86	21.06	22.00
20		100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20		1	49	20.62	20.77		20.66	20.77	22.00
20		1	99	20.77	20.89		20.89	20.99	22.00
20		50	0	19.84	19.94		19.90	20.00	21.00
20		50	24	19.66	19.66		19.75	19.86	21.00
20		50	50	19.69	19.71		19.80	19.88	21.00
20		100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20		1	49	17.67	17.80		17.67	17.84	19.00
20		1	99	17.80	17.96		17.96	17.99	19.00
20		50	0	17.86	17.92		17.89	18.07	19.00
20		50	24	17.72	17.82		17.90	18.02	19.00
20		50	50	17.72	17.86		17.80	17.98	19.00
20		100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up Limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	21.74	21.84		21.85	21.94	23.00
15		1	37	21.68	21.74		21.64	21.86	23.00
15		1	74	21.49	21.64		21.50	21.71	23.00
15		36	0	22.03	22.08		21.90	21.98	23.00
15		36	20	21.59	21.72		21.58	21.81	23.00
15		36	39	21.61	21.70		21.73	21.89	23.00
15		75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15		1	37	21.79	21.70		21.64	21.82	23.00
15		1	74	21.51	21.50		21.54	21.79	23.00
15		36	0	20.55	20.67		20.79	20.80	22.00
15		36	20	20.58	20.82		20.72	20.79	22.00
15		36	39	20.69	20.87		20.82	20.92	22.00
15		75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15		1	37	20.52	20.76		20.59	20.64	22.00
15		1	74	20.71	20.80		20.77	20.94	22.00
15		36	0	19.82	19.88		19.77	19.93	21.00
15		36	20	19.59	19.58		19.61	19.71	21.00
15		36	39	19.63	19.64		19.78	19.85	21.00
15		75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15		1	37	17.53	17.70		17.58	17.79	19.00
15		1	74	17.69	17.94		17.90	17.93	19.00
15		36	0	17.71	17.84		17.82	18.02	19.00
15		36	20	17.65	17.74		17.86	17.96	19.00
15		36	39	17.71	17.78		17.70	17.89	19.00
15		75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up Limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.83	21.95		21.92	22.01	23.00
10		1	25	21.56	21.76		21.74	21.84	23.00
10		1	49	21.59	21.57		21.52	21.82	23.00



10	16QAM	25	0	21.97	22.03		22.00	21.99	23.00	
10		25	12	21.68	21.72		21.67	21.83	23.00	
10		25	25	21.67	21.61		21.67	21.93	23.00	
10		50	0	21.66	21.87		21.75	21.88	23.00	
10		1	0	21.64	21.66		21.70	21.93	23.00	
10		1	25	21.78	21.74		21.73	21.79	23.00	
10		1	49	21.52	21.55		21.57	21.78	23.00	
10		25	0	20.59	20.66		20.77	20.78	22.00	
10		25	12	20.65	20.72		20.74	20.81	22.00	
10		25	25	20.76	20.80		20.79	20.99	22.00	
10		50	0	20.61	20.64		20.75	20.83	22.00	
10		64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10			1	25	20.48	20.74		20.56	20.64	22.00
10			1	49	20.71	20.79		20.84	20.96	22.00
10			25	0	19.75	19.81		19.87	19.87	21.00
10			25	12	19.59	19.65		19.67	19.78	21.00
10	25		25	19.57	19.63		19.69	19.85	21.00	
10	256QAM	50	0	19.67	19.72		19.76	19.96	21.00	
10		1	0	17.64	17.68		17.72	17.88	19.00	
10		1	25	17.64	17.75		17.58	17.69	19.00	
10		1	49	17.68	17.94		17.87	17.85	19.00	
10		25	0	17.77	17.90		17.85	17.99	19.00	
10		25	12	17.65	17.76		17.80	17.91	19.00	
10		25	25	17.60	17.83		17.76	17.91	19.00	
10		50	0	17.58	17.70		17.63	17.77	19.00	
Channel				55265	55810	55990	56170	56715	Tune-up Limit	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	21.75	21.83		21.94	21.98	23.00	
5		1	12	21.62	21.76		21.69	21.82	23.00	
5		1	24	21.55	21.66		21.50	21.83	23.00	
5		12	0	21.97	22.11		21.92	21.98	23.00	
5		12	7	21.65	21.70		21.64	21.77	23.00	
5		12	13	21.61	21.62		21.74	21.85	23.00	
5	16QAM	25	0	21.67	21.85		21.74	21.95	23.00	
5		1	0	21.64	21.72		21.71	21.88	23.00	
5		1	12	21.76	21.67		21.71	21.86	23.00	
5		1	24	21.43	21.60		21.58	21.69	23.00	
5		12	0	20.52	20.70		20.68	20.77	22.00	
5		12	7	20.59	20.81		20.78	20.80	22.00	
5		12	13	20.75	20.83		20.78	20.94	22.00	
5	64QAM	25	0	20.70	20.69		20.78	20.86	22.00	
5		1	0	20.78	20.83		20.70	20.89	22.00	
5		1	12	20.59	20.68		20.63	20.62	22.00	
5		1	24	20.76	20.82		20.74	20.97	22.00	
5		12	0	19.79	19.81		19.77	19.88	21.00	
5		12	7	19.52	19.51		19.62	19.81	21.00	
5		12	13	19.55	19.61		19.68	19.74	21.00	
5	256QAM	25	0	19.73	19.68		19.85	19.95	21.00	
5		1	0	17.63	17.66		17.59	17.88	19.00	
5		1	12	17.60	17.71		17.56	17.70	19.00	
5		1	24	17.76	17.89		17.86	17.85	19.00	
5		12	0	17.82	17.80		17.76	17.94	19.00	
5		12	7	17.65	17.79		17.79	17.87	19.00	
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00	
5		25	0	17.63	17.59		17.57	17.68	19.00	

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00



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20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00



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10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

<LTE Band 48 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				55340	55830	55990	56150		
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	16.05	16.15		16.08	16.06	17.70
20		1	49	15.97	16.00		15.96	15.92	17.70
20		1	99	15.95	15.99		15.99	15.92	17.70
20		50	0	16.00	16.12		15.98	15.93	17.70
20		50	24	15.92	15.89		15.81	15.90	17.70
20		50	50	15.90	15.81		15.90	15.89	17.70
20		100	0	15.98	16.06		16.01	15.94	17.70
20	16QAM	1	0	15.98	15.99		16.01	16.01	17.70
20		1	49	15.95	16.00		16.03	15.93	17.70
20		1	99	15.99	16.05		16.03	15.99	17.70
20		50	0	16.01	16.00		16.02	16.01	17.70
20		50	24	15.91	16.03		15.96	15.92	17.70
20		50	50	16.00	16.08		16.01	15.96	17.70
20		100	0	16.02	16.06		16.01	15.93	17.70
20	64QAM	1	0	16.01	16.01		16.02	16.02	17.70
20		1	49	15.94	16.02		15.97	15.98	17.70
20		1	99	15.93	16.08		15.99	16.03	17.70
20		50	0	15.96	15.98		15.99	15.94	17.70
20		50	24	15.99	16.05		16.05	15.92	17.70
20		50	50	16.00	16.05		16.02	15.92	17.70
20		100	0	16.01	16.01		15.94	15.93	17.70
20	256QAM	1	0	15.91	16.07		16.02	16.01	17.70
20		1	49	15.97	16.07		16.03	15.97	17.70
20		1	99	15.90	16.10		15.97	16.00	17.70
20		50	0	16.01	16.04		15.95	15.96	17.70
20		50	24	16.01	16.09		16.01	16.01	17.70
20		50	50	16.02	16.04		15.99	15.97	17.70
20		100	0	15.98	16.04		15.98	16.00	17.70
Channel				55315	55820	55990	56160	56665	Tune-up Limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	15.95	16.02		15.95	15.95	17.70
15		1	37	15.92	16.04		15.86	15.88	17.70
15		1	74	15.80	15.96		15.89	15.87	17.70
15		36	0	15.96	16.03		15.86	15.82	17.70
15		36	20	15.89	15.96		15.95	15.92	17.70
15		36	39	15.78	16.03		15.81	15.81	17.70
15		75	0	15.90	15.98		15.91	15.82	17.70



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15	16QAM	1	0	15.95	15.98		15.91	15.95	17.70
15		1	37	15.89	15.96		15.88	15.92	17.70
15		1	74	15.98	15.96		15.98	15.94	17.70
15		36	0	15.98	15.85		15.92	15.94	17.70
15		36	20	15.88	16.01		15.84	15.80	17.70
15		36	39	15.89	15.98		15.89	15.87	17.70
15		75	0	15.89	15.96		15.98	15.89	17.70
15	64QAM	1	0	15.88	15.96		15.97	15.97	17.70
15		1	37	15.85	15.97		15.82	15.93	17.70
15		1	74	15.86	15.93		15.95	15.88	17.70
15		36	0	15.86	15.96		15.91	15.80	17.70
15		36	20	15.87	15.92		15.94	15.82	17.70
15		36	39	15.93	15.97		16.01	15.90	17.70
15	256QAM	75	0	15.88	15.97		15.83	15.86	17.70
15		1	0	15.78	16.01		15.87	15.89	17.70
15		1	37	15.95	15.96		15.97	15.90	17.70
15		1	74	15.83	15.99		15.87	15.98	17.70
15		36	0	15.98	15.91		15.91	15.87	17.70
15		36	20	16.00	15.99		15.93	15.96	17.70
15		36	39	15.91	15.99		15.87	15.83	17.70
15		75	0	15.89	16.02		15.93	15.92	17.70
Channel				55290	55815	55990	56165	56690	Tune-up Limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	16.00	16.09		16.01	15.95	17.70
10		1	25	15.91	16.06		15.89	15.90	17.70
10		1	49	15.85	15.97		15.88	15.78	17.70
10		25	0	15.99	16.07		15.83	15.79	17.70
10		25	12	15.89	16.06		15.96	15.97	17.70
10		25	25	15.79	15.91		15.84	15.90	17.70
10	16QAM	50	0	15.91	15.95		15.97	15.93	17.70
10		1	0	15.91	15.96		15.95	15.98	17.70
10		1	25	15.83	15.91		16.00	15.82	17.70
10		1	49	15.88	15.97		16.02	15.93	17.70
10		25	0	15.99	15.92		15.89	15.98	17.70
10		25	12	15.78	16.02		15.88	15.78	17.70
10	64QAM	25	25	15.97	16.00		15.93	15.94	17.70
10		50	0	15.91	15.97		15.92	15.89	17.70
10		1	0	15.86	15.93		15.89	15.93	17.70
10		1	25	15.91	15.98		15.95	15.91	17.70
10		1	49	15.86	15.96		15.95	15.95	17.70
10		25	0	15.92	15.86		15.96	15.92	17.70
10	256QAM	25	12	15.97	16.03		16.02	15.88	17.70
10		25	25	15.97	15.91		16.00	15.91	17.70
10		50	0	15.87	15.88		15.83	15.82	17.70
10		1	0	15.83	15.93		15.98	15.96	17.70
10		1	25	15.90	15.97		15.92	15.87	17.70
10		1	49	15.85	16.04		15.84	15.86	17.70
10		25	0	15.88	15.93		15.82	15.87	17.70
10		25	12	15.92	16.07		15.99	15.99	17.70
10		25	25	15.92	15.92		15.92	15.83	17.70
10		50	0	15.89	15.90		15.90	15.98	17.70
Channel				55265	55810	55990	56170	56715	Tune-up Limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	16.03	16.02		16.04	15.96	17.70
5		1	12	15.83	16.02		15.92	15.79	17.70
5		1	24	15.93	15.84		15.95	15.88	17.70
5		12	0	15.86	16.02		15.88	15.82	17.70
5		12	7	15.80	16.01		15.98	15.96	17.70
5		12	13	15.88	15.96		15.85	15.81	17.70
5	16QAM	25	0	15.86	15.93		15.91	15.90	17.70
5		1	0	15.83	15.91		15.95	15.91	17.70
5		1	12	15.87	15.96		15.96	15.82	17.70
5		1	24	15.94	15.94		15.95	15.89	17.70
5		12	0	15.87	15.89		15.94	15.89	17.70
5		12	7	15.78	15.96		15.85	15.79	17.70
5	64QAM	12	13	15.95	15.98		15.99	15.81	17.70
5		25	0	15.96	15.94		15.98	15.91	17.70
5		1	0	15.87	15.87		15.88	15.92	17.70
5		1	12	15.85	15.94		15.93	15.96	17.70
5		1	24	15.89	16.07		15.89	15.91	17.70
5		12	0	15.83	15.91		15.95	15.92	17.70
5		12	7	15.89	16.01		15.99	15.88	17.70
5		12	13	15.86	15.98		16.01	15.82	17.70
5		25	0	15.96	15.98		15.87	15.85	17.70
5	256QAM	1	0	15.77	16.05		15.92	15.95	17.70
5		1	12	15.88	16.05		15.98	15.91	17.70
5		1	24	15.81	15.98		15.94	15.91	17.70
5		12	0	15.89	15.99		15.88	15.89	17.70



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5		12	7	15.87	15.99		15.99	16.00	17.70
5		12	13	15.97	15.96		15.91	15.91	17.70
5		25	0	15.86	15.97		15.86	15.91	17.70

<LTE Band 48_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				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.97	22.15		21.95	22.09	23.00
20		1	49	21.70	21.78		21.77	21.89	23.00
20		1	99	21.61	21.72		21.65	21.86	23.00
20		50	0	22.11	22.14		22.03	22.09	23.00
20		50	24	21.73	21.77		21.69	21.84	23.00
20		50	50	21.72	21.76		21.80	21.96	23.00
20		100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20		1	49	21.80	21.79		21.78	21.94	23.00
20		1	99	21.54	21.64		21.67	21.82	23.00
20		50	0	20.64	20.79		20.82	20.85	22.00
20		50	24	20.72	20.85		20.83	20.90	22.00
20		50	50	20.83	20.94		20.86	21.06	22.00
20		100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20		1	49	20.62	20.77		20.66	20.77	22.00
20		1	99	20.77	20.89		20.89	20.99	22.00
20		50	0	19.84	19.94		19.90	20.00	21.00
20		50	24	19.66	19.66		19.75	19.86	21.00
20		50	50	19.69	19.71		19.80	19.88	21.00
20		100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20		1	49	17.67	17.80		17.67	17.84	19.00
20		1	99	17.80	17.96		17.96	17.99	19.00
20		50	0	17.86	17.92		17.89	18.07	19.00
20		50	24	17.72	17.82		17.90	18.02	19.00
20		50	50	17.72	17.86		17.80	17.98	19.00
20		100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up Limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	21.74	21.84		21.85	21.94	23.00
15		1	37	21.68	21.74		21.64	21.86	23.00
15		1	74	21.49	21.64		21.50	21.71	23.00
15		36	0	22.03	22.08		21.90	21.98	23.00
15		36	20	21.59	21.72		21.58	21.81	23.00
15		36	39	21.61	21.70		21.73	21.89	23.00
15		75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15		1	37	21.79	21.70		21.64	21.82	23.00
15		1	74	21.51	21.50		21.54	21.79	23.00
15		36	0	20.55	20.67		20.79	20.80	22.00
15		36	20	20.58	20.82		20.72	20.79	22.00
15		36	39	20.69	20.87		20.82	20.92	22.00
15		75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15		1	37	20.52	20.76		20.59	20.64	22.00
15		1	74	20.71	20.80		20.77	20.94	22.00
15		36	0	19.82	19.88		19.77	19.93	21.00
15		36	20	19.59	19.58		19.61	19.71	21.00
15		36	39	19.63	19.64		19.78	19.85	21.00
15		75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15		1	37	17.53	17.70		17.58	17.79	19.00
15		1	74	17.69	17.94		17.90	17.93	19.00
15		36	0	17.71	17.84		17.82	18.02	19.00
15		36	20	17.65	17.74		17.86	17.96	19.00
15		36	39	17.71	17.78		17.70	17.89	19.00
15		75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up Limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.83	21.95		21.92	22.01	23.00
10		1	25	21.56	21.76		21.74	21.84	23.00
10		1	49	21.59	21.57		21.52	21.82	23.00
10		25	0	21.97	22.03		22.00	21.99	23.00
10		25	12	21.68	21.72		21.67	21.83	23.00
10		25	25	21.67	21.61		21.67	21.93	23.00



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10	16QAM	50	0	21.66	21.87		21.75	21.88	23.00
10		1	0	21.64	21.66		21.70	21.93	23.00
10		1	25	21.78	21.74		21.73	21.79	23.00
10		1	49	21.52	21.55		21.57	21.78	23.00
10		25	0	20.59	20.66		20.77	20.78	22.00
10		25	12	20.65	20.72		20.74	20.81	22.00
10		25	25	20.76	20.80		20.79	20.99	22.00
10		50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10		1	25	20.48	20.74		20.56	20.64	22.00
10		1	49	20.71	20.79		20.84	20.96	22.00
10		25	0	19.75	19.81		19.87	19.87	21.00
10		25	12	19.59	19.65		19.67	19.78	21.00
10		25	25	19.57	19.63		19.69	19.85	21.00
10	256QAM	50	0	19.67	19.72		19.76	19.96	21.00
10		1	0	17.64	17.68		17.72	17.88	19.00
10		1	25	17.64	17.75		17.58	17.69	19.00
10		1	49	17.68	17.94		17.87	17.85	19.00
10		25	0	17.77	17.90		17.85	17.99	19.00
10		25	12	17.65	17.76		17.80	17.91	19.00
10		25	25	17.60	17.83		17.76	17.91	19.00
10		50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up Limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	21.75	21.83		21.94	21.98	23.00
5		1	12	21.62	21.76		21.69	21.82	23.00
5		1	24	21.55	21.66		21.50	21.83	23.00
5		12	0	21.97	22.11		21.92	21.98	23.00
5		12	7	21.65	21.70		21.64	21.77	23.00
5		12	13	21.61	21.62		21.74	21.85	23.00
5	16QAM	25	0	21.67	21.85		21.74	21.95	23.00
5		1	0	21.64	21.72		21.71	21.88	23.00
5		1	12	21.76	21.67		21.71	21.86	23.00
5		1	24	21.43	21.60		21.58	21.69	23.00
5		12	0	20.52	20.70		20.68	20.77	22.00
5		12	7	20.59	20.81		20.78	20.80	22.00
5	64QAM	12	13	20.75	20.83		20.78	20.94	22.00
5		25	0	20.70	20.69		20.78	20.86	22.00
5		1	0	20.78	20.83		20.70	20.89	22.00
5		1	12	20.59	20.68		20.63	20.62	22.00
5		1	24	20.76	20.82		20.74	20.97	22.00
5		12	0	19.79	19.81		19.77	19.88	21.00
5	256QAM	12	7	19.52	19.51		19.62	19.81	21.00
5		12	13	19.55	19.61		19.68	19.74	21.00
5		25	0	19.73	19.68		19.85	19.95	21.00
5		1	0	17.63	17.66		17.59	17.88	19.00
5		1	12	17.60	17.71		17.56	17.70	19.00
5		1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5		12	7	17.65	17.79		17.79	17.87	19.00
5		12	13	17.60	17.72		17.75	17.87	19.00
5		25	0	17.63	17.59		17.57	17.68	19.00

**【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_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				55340	55830	55990	56150	56640	24.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	24.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	24.00
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00

10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.78		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00



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20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00
10	16QAM	25	0	19.48	19.38		19.38	19.34	21.00
10	16QAM	25	12	19.66	19.59		19.43	19.61	21.00
10	16QAM	25	25	19.47	19.52		19.29	19.43	21.00
10	16QAM	50	0	19.61	19.54		19.45	19.55	21.00
10	64QAM	1	0	19.40	19.45		19.49	19.51	21.00
10	64QAM	1	25	19.49	19.50		19.42	19.48	21.00
10	64QAM	1	49	19.67	19.45		19.35	19.58	21.00
10	64QAM	25	0	18.37	18.41		18.26	18.27	20.00
10	64QAM	25	12	18.41	18.44		18.27	18.49	20.00
10	64QAM	25	25	18.39	18.43		18.30	18.41	20.00
10	64QAM	50	0	18.50	18.54		18.37	18.47	20.00
10	256QAM	1	0	16.45	16.45		16.33	16.44	18.00
10	256QAM	1	25	16.66	16.62		16.59	16.69	18.00
10	256QAM	1	49	16.48	16.56		16.48	16.52	18.00
10	256QAM	25	0	16.59	16.57		16.41	16.56	18.00
10	256QAM	25	12	16.37	16.47		16.29	16.45	18.00
10	256QAM	25	25	16.49	16.54		16.43	16.65	18.00
10	256QAM	50	0	16.55	16.62		16.34	16.62	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.63	21.65		21.54	21.63	23.00

5	QPSK	1	12	21.32	21.40		21.24	21.32	23.00
5	QPSK	1	24	21.40	21.29		21.26	21.32	23.00
5	QPSK	12	0	20.61	20.74		20.61	20.67	22.00
5	QPSK	12	7	20.54	20.53		20.26	20.47	22.00
5	QPSK	12	13	20.35	20.43		20.31	20.37	22.00
5	QPSK	25	0	20.62	20.64		20.52	20.55	22.00
5	16QAM	1	0	20.50	20.49		20.39	20.46	22.00
5	16QAM	1	12	20.47	20.43		20.40	20.41	22.00
5	16QAM	1	24	20.46	20.46		20.22	20.46	22.00
5	16QAM	12	0	19.50	19.38		19.30	19.46	21.00
5	16QAM	12	7	19.54	19.49		19.42	19.63	21.00
5	16QAM	12	13	19.49	19.48		19.38	19.38	21.00
5	16QAM	25	0	19.61	19.46		19.40	19.51	21.00
5	64QAM	1	0	19.48	19.55		19.46	19.55	21.00
5	64QAM	1	12	19.57	19.53		19.46	19.43	21.00
5	64QAM	1	24	19.57	19.55		19.37	19.57	21.00
5	64QAM	12	0	18.31	18.43		18.30	18.26	20.00
5	64QAM	12	7	18.42	18.37		18.23	18.44	20.00
5	64QAM	12	13	18.42	18.39		18.26	18.46	20.00
5	64QAM	25	0	18.50	18.48		18.27	18.54	20.00
5	256QAM	1	0	16.47	16.37		16.37	16.49	18.00
5	256QAM	1	12	16.67	16.65		16.56	16.61	18.00
5	256QAM	1	24	16.60	16.59		16.48	16.48	18.00
5	256QAM	12	0	16.62	16.47		16.41	16.57	18.00
5	256QAM	12	7	16.32	16.47		16.30	16.44	18.00
5	256QAM	12	13	16.57	16.55		16.42	16.57	18.00
5	256QAM	25	0	16.51	16.52		16.40	16.49	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.78		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00



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15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00
10	16QAM	25	0	19.48	19.38		19.38	19.34	21.00
10	16QAM	25	12	19.66	19.59		19.43	19.61	21.00
10	16QAM	25	25	19.47	19.52		19.29	19.43	21.00
10	16QAM	50	0	19.61	19.54		19.45	19.55	21.00
10	64QAM	1	0	19.40	19.45		19.49	19.51	21.00
10	64QAM	1	25	19.49	19.50		19.42	19.48	21.00
10	64QAM	1	49	19.67	19.45		19.35	19.58	21.00
10	64QAM	25	0	18.37	18.41		18.26	18.27	20.00
10	64QAM	25	12	18.41	18.44		18.27	18.49	20.00
10	64QAM	25	25	18.39	18.43		18.30	18.41	20.00
10	64QAM	50	0	18.50	18.54		18.37	18.47	20.00
10	256QAM	1	0	16.45	16.45		16.33	16.44	18.00
10	256QAM	1	25	16.66	16.62		16.59	16.69	18.00
10	256QAM	1	49	16.48	16.56		16.48	16.52	18.00
10	256QAM	25	0	16.59	16.57		16.41	16.56	18.00
10	256QAM	25	12	16.37	16.47		16.29	16.45	18.00
10	256QAM	25	25	16.49	16.54		16.43	16.65	18.00
10	256QAM	50	0	16.55	16.62		16.34	16.62	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.63	21.65		21.54	21.63	23.00
5	QPSK	1	12	21.32	21.40		21.24	21.32	23.00
5	QPSK	1	24	21.40	21.29		21.26	21.32	23.00
5	QPSK	12	0	20.61	20.74		20.61	20.67	22.00
5	QPSK	12	7	20.54	20.53		20.26	20.47	22.00
5	QPSK	12	13	20.35	20.43		20.31	20.37	22.00
5	QPSK	25	0	20.62	20.64		20.52	20.55	22.00
5	16QAM	1	0	20.50	20.49		20.39	20.46	22.00
5	16QAM	1	12	20.47	20.43		20.40	20.41	22.00
5	16QAM	1	24	20.46	20.46		20.22	20.46	22.00
5	16QAM	12	0	19.50	19.38		19.30	19.46	21.00
5	16QAM	12	7	19.54	19.49		19.42	19.63	21.00
5	16QAM	12	13	19.49	19.48		19.38	19.38	21.00
5	16QAM	25	0	19.61	19.46		19.40	19.51	21.00
5	64QAM	1	0	19.48	19.55		19.46	19.55	21.00
5	64QAM	1	12	19.57	19.53		19.46	19.43	21.00
5	64QAM	1	24	19.57	19.55		19.37	19.57	21.00
5	64QAM	12	0	18.31	18.43		18.30	18.26	20.00
5	64QAM	12	7	18.42	18.37		18.23	18.44	20.00
5	64QAM	12	13	18.42	18.39		18.26	18.46	20.00
5	64QAM	25	0	18.50	18.48		18.27	18.54	20.00
5	256QAM	1	0	16.47	16.37		16.37	16.49	18.00
5	256QAM	1	12	16.67	16.65		16.56	16.61	18.00
5	256QAM	1	24	16.60	16.59		16.48	16.48	18.00



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5	256QAM	12	0	16.62	16.47		16.41	16.57	18.00
5	256QAM	12	7	16.32	16.47		16.30	16.44	18.00
5	256QAM	12	13	16.57	16.55		16.42	16.57	18.00
5	256QAM	25	0	16.51	16.52		16.40	16.49	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	20.08		20.03	19.98	20.90
20	QPSK	1	49	19.78	19.86		19.73	19.70	20.90
20	QPSK	1	99	19.75	19.86		19.72	19.63	20.90
20	QPSK	50	0	19.81	19.91		19.82	19.90	20.90
20	QPSK	50	24	19.73	19.90		19.74	19.75	20.90
20	QPSK	50	50	19.78	19.86		19.79	19.64	20.90
20	QPSK	100	0	19.68	19.80		19.73	19.77	20.90
20	16QAM	1	0	19.72	19.88		19.75	19.66	20.90
20	16QAM	1	49	19.86	19.93		19.76	19.75	20.90
20	16QAM	1	99	19.64	19.82		19.74	19.59	20.90
20	16QAM	50	0	19.39	19.46		19.40	19.24	20.90
20	16QAM	50	24	19.26	19.34		19.23	19.17	20.90
20	16QAM	50	50	19.24	19.31		19.12	19.08	20.90
20	16QAM	100	0	19.35	19.41		19.28	19.17	20.90
20	64QAM	1	0	19.41	19.46		19.38	19.21	20.90
20	64QAM	1	49	19.28	19.42		19.32	19.28	20.90
20	64QAM	1	99	19.29	19.33		19.24	19.18	20.90
20	64QAM	50	0	18.29	18.39		18.22	18.22	20.00
20	64QAM	50	24	18.26	18.36		18.21	18.20	20.00
20	64QAM	50	50	18.28	18.37		18.26	18.16	20.00
20	64QAM	100	0	18.24	18.40		18.25	18.23	20.00
20	256QAM	1	0	16.30	16.45		16.31	16.33	18.00
20	256QAM	1	49	16.35	16.44		16.38	16.35	18.00
20	256QAM	1	99	16.40	16.46		16.39	16.33	18.00
20	256QAM	50	0	16.33	16.40		16.26	16.27	18.00
20	256QAM	50	24	16.18	16.35		16.16	16.14	18.00
20	256QAM	50	50	16.22	16.36		16.24	16.15	18.00
20	256QAM	100	0	16.21	16.34		16.26	16.22	18.00
Channel				55315	55820	55990	56160	56665	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.92	19.99		19.96	19.86	20.90
15	QPSK	1	37	19.69	19.84		19.63	19.63	20.90
15	QPSK	1	74	19.66	19.77		19.61	19.58	20.90
15	QPSK	36	0	19.75	19.83		19.67	19.84	20.90
15	QPSK	36	20	19.63	19.83		19.65	19.62	20.90
15	QPSK	36	39	19.64	19.71		19.70	19.60	20.90
15	QPSK	75	0	19.57	19.67		19.64	19.64	20.90
15	16QAM	1	0	19.59	19.80		19.72	19.59	20.90
15	16QAM	1	37	19.85	19.80		19.61	19.74	20.90
15	16QAM	1	74	19.51	19.74		19.66	19.50	20.90
15	16QAM	36	0	19.25	19.32		19.27	19.20	20.90
15	16QAM	36	20	19.21	19.19		19.19	19.06	20.90
15	16QAM	36	39	19.10	19.27		19.05	19.00	20.90
15	16QAM	75	0	19.23	19.35		19.26	19.02	20.90
15	64QAM	1	0	19.32	19.42		19.29	19.14	20.90
15	64QAM	1	37	19.18	19.41		19.18	19.17	20.90
15	64QAM	1	74	19.16	19.26		19.14	19.03	20.90
15	64QAM	36	0	18.18	18.32		18.20	18.10	20.00
15	64QAM	36	20	18.20	18.22		18.18	18.18	20.00
15	64QAM	36	39	18.24	18.25		18.19	18.06	20.00
15	64QAM	75	0	18.17	18.31		18.16	18.14	20.00
15	256QAM	1	0	16.28	16.43		16.29	16.29	18.00
15	256QAM	1	37	16.27	16.34		16.36	16.26	18.00
15	256QAM	1	74	16.32	16.38		16.29	16.31	18.00
15	256QAM	36	0	16.21	16.34		16.20	16.20	18.00
15	256QAM	36	20	16.10	16.34		16.10	16.12	18.00
15	256QAM	36	39	16.11	16.23		16.14	16.01	18.00
15	256QAM	75	0	16.07	16.32		16.18	16.20	18.00
Channel				55290	55815	55990	56165	56690	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.97	20.02		19.99	19.94	20.90



10	QPSK	1	25	19.71	19.78		19.59	19.58	20.90
10	QPSK	1	49	19.68	19.83		19.62	19.51	20.90
10	QPSK	25	0	19.78	19.79		19.74	19.86	20.90
10	QPSK	25	12	19.62	19.89		19.61	19.64	20.90
10	QPSK	25	25	19.68	19.82		19.77	19.54	20.90
10	QPSK	50	0	19.60	19.74		19.59	19.64	20.90
10	16QAM	1	0	19.63	19.74		19.73	19.55	20.90
10	16QAM	1	25	19.80	19.79		19.62	19.63	20.90
10	16QAM	1	49	19.51	19.71		19.65	19.52	20.90
10	16QAM	25	0	19.35	19.42		19.32	19.09	20.90
10	16QAM	25	12	19.19	19.30		19.21	19.04	20.90
10	16QAM	25	25	19.16	19.21		19.09	19.00	20.90
10	16QAM	50	0	19.34	19.37		19.21	19.10	20.90
10	64QAM	1	0	19.28	19.31		19.34	19.18	20.90
10	64QAM	1	25	19.16	19.37		19.31	19.18	20.90
10	64QAM	1	49	19.20	19.29		19.19	19.09	20.90
10	64QAM	25	0	18.23	18.27		18.08	18.10	20.00
10	64QAM	25	12	18.24	18.26		18.12	18.17	20.00
10	64QAM	25	25	18.14	18.25		18.16	18.12	20.00
10	64QAM	50	0	18.11	18.37		18.14	18.15	20.00
10	256QAM	1	0	16.28	16.42		16.21	16.30	18.00
10	256QAM	1	25	16.30	16.37		16.28	16.23	18.00
10	256QAM	1	49	16.39	16.44		16.38	16.19	18.00
10	256QAM	25	0	16.19	16.28		16.24	16.13	18.00
10	256QAM	25	12	16.16	16.34		16.04	16.00	18.00
10	256QAM	25	25	16.14	16.32		16.14	16.09	18.00
10	256QAM	50	0	16.13	16.26		16.15	16.11	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	19.92	20.00		19.92	19.95	20.90
5	QPSK	1	12	19.74	19.72		19.65	19.62	20.90
5	QPSK	1	24	19.62	19.81		19.59	19.50	20.90
5	QPSK	12	0	19.69	19.85		19.69	19.85	20.90
5	QPSK	12	7	19.61	19.87		19.70	19.73	20.90
5	QPSK	12	13	19.71	19.73		19.69	19.63	20.90
5	QPSK	25	0	19.59	19.77		19.60	19.67	20.90
5	16QAM	1	0	19.69	19.80		19.70	19.63	20.90
5	16QAM	1	12	19.80	19.82		19.67	19.62	20.90
5	16QAM	1	24	19.55	19.78		19.65	19.51	20.90
5	16QAM	12	0	19.27	19.40		19.33	19.12	20.90
5	16QAM	12	7	19.22	19.20		19.11	19.10	20.90
5	16QAM	12	13	19.15	19.20		19.02	19.03	20.90
5	16QAM	25	0	19.25	19.33		19.25	19.02	20.90
5	64QAM	1	0	19.36	19.40		19.27	19.15	20.90
5	64QAM	1	12	19.21	19.28		19.29	19.13	20.90
5	64QAM	1	24	19.20	19.24		19.12	19.12	20.90
5	64QAM	12	0	18.18	18.34		18.19	18.10	20.00
5	64QAM	12	7	18.15	18.23		18.16	18.08	20.00
5	64QAM	12	13	18.20	18.30		18.15	18.11	20.00
5	64QAM	25	0	18.23	18.26		18.19	18.13	20.00
5	256QAM	1	0	16.20	16.32		16.22	16.18	18.00
5	256QAM	1	12	16.26	16.41		16.26	16.25	18.00
5	256QAM	1	24	16.34	16.40		16.37	16.19	18.00
5	256QAM	12	0	16.29	16.38		16.20	16.17	18.00
5	256QAM	12	7	16.07	16.29		16.12	16.06	18.00
5	256QAM	12	13	16.13	16.31		16.19	16.05	18.00
5	256QAM	25	0	16.18	16.22		16.20	16.10	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.78		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00



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20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00
10	16QAM	25	0	19.48	19.38		19.38	19.34	21.00
10	16QAM	25	12	19.66	19.59		19.43	19.61	21.00
10	16QAM	25	25	19.47	19.52		19.29	19.43	21.00
10	16QAM	50	0	19.61	19.54		19.45	19.55	21.00
10	64QAM	1	0	19.40	19.45		19.49	19.51	21.00
10	64QAM	1	25	19.49	19.50		19.42	19.48	21.00
10	64QAM	1	49	19.67	19.45		19.35	19.58	21.00
10	64QAM	25	0	18.37	18.41		18.26	18.27	20.00
10	64QAM	25	12	18.41	18.44		18.27	18.49	20.00
10	64QAM	25	25	18.39	18.43		18.30	18.41	20.00
10	64QAM	50	0	18.50	18.54		18.37	18.47	20.00
10	256QAM	1	0	16.45	16.45		16.33	16.44	18.00
10	256QAM	1	25	16.66	16.62		16.59	16.69	18.00
10	256QAM	1	49	16.48	16.56		16.48	16.52	18.00



10	256QAM	25	0	16.59	16.57		16.41	16.56	18.00
10	256QAM	25	12	16.37	16.47		16.29	16.45	18.00
10	256QAM	25	25	16.49	16.54		16.43	16.65	18.00
10	256QAM	50	0	16.55	16.62		16.34	16.62	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.63	21.65		21.54	21.63	23.00
5	QPSK	1	12	21.32	21.40		21.24	21.32	23.00
5	QPSK	1	24	21.40	21.29		21.26	21.32	23.00
5	QPSK	12	0	20.61	20.74		20.61	20.67	22.00
5	QPSK	12	7	20.54	20.53		20.26	20.47	22.00
5	QPSK	12	13	20.35	20.43		20.31	20.37	22.00
5	QPSK	25	0	20.62	20.64		20.52	20.55	22.00
5	16QAM	1	0	20.50	20.49		20.39	20.46	22.00
5	16QAM	1	12	20.47	20.43		20.40	20.41	22.00
5	16QAM	1	24	20.46	20.46		20.22	20.46	22.00
5	16QAM	12	0	19.50	19.38		19.30	19.46	21.00
5	16QAM	12	7	19.54	19.49		19.42	19.63	21.00
5	16QAM	12	13	19.49	19.48		19.38	19.38	21.00
5	16QAM	25	0	19.61	19.46		19.40	19.51	21.00
5	64QAM	1	0	19.48	19.55		19.46	19.55	21.00
5	64QAM	1	12	19.57	19.53		19.46	19.43	21.00
5	64QAM	1	24	19.57	19.55		19.37	19.57	21.00
5	64QAM	12	0	18.31	18.43		18.30	18.26	20.00
5	64QAM	12	7	18.42	18.37		18.23	18.44	20.00
5	64QAM	12	13	18.42	18.39		18.26	18.46	20.00
5	64QAM	25	0	18.50	18.48		18.27	18.54	20.00
5	256QAM	1	0	16.47	16.37		16.37	16.49	18.00
5	256QAM	1	12	16.67	16.65		16.56	16.61	18.00
5	256QAM	1	24	16.60	16.59		16.48	16.48	18.00
5	256QAM	12	0	16.62	16.47		16.41	16.57	18.00
5	256QAM	12	7	16.32	16.47		16.30	16.44	18.00
5	256QAM	12	13	16.57	16.55		16.42	16.57	18.00
5	256QAM	25	0	16.51	16.52		16.40	16.49	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_DSI 12】

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				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	18.36	18.40		18.36	18.37	19.70
20	QPSK	1	49	18.21	18.32		18.31	18.29	19.70
20	QPSK	1	99	18.27	18.35		18.29	18.24	19.70
20	QPSK	50	0	18.24	18.38		18.23	18.32	19.70
20	QPSK	50	24	18.21	18.22		18.19	18.17	19.70
20	QPSK	50	50	18.21	18.21		18.18	18.15	19.70
20	QPSK	100	0	18.28	18.35		18.32	18.28	19.70
20	16QAM	1	0	18.26	18.28		18.28	18.23	19.70
20	16QAM	1	49	18.29	18.28		18.21	18.27	19.70
20	16QAM	1	99	18.22	18.26		18.22	18.26	19.70
20	16QAM	50	0	18.25	18.31		18.24	18.25	19.70
20	16QAM	50	24	18.23	18.32		18.26	18.27	19.70
20	16QAM	50	50	18.31	18.26		18.23	18.34	19.70
20	16QAM	100	0	18.28	18.36		18.30	18.31	19.70
20	64QAM	1	0	18.31	18.30		18.29	18.24	19.70
20	64QAM	1	49	18.31	18.26		18.26	18.30	19.70
20	64QAM	1	99	18.30	18.29		18.28	18.26	19.70
20	64QAM	50	0	18.23	18.31		18.25	18.29	19.70
20	64QAM	50	24	18.29	18.34		18.30	18.28	19.70
20	64QAM	50	50	18.23	18.28		18.30	18.30	19.70
20	64QAM	100	0	18.30	18.34		18.24	18.27	19.70
20	256QAM	1	0	16.62	16.74		16.63	16.63	18.00
20	256QAM	1	49	16.68	16.72		16.70	16.71	18.00
20	256QAM	1	99	16.61	16.76		16.70	16.64	18.00
20	256QAM	50	0	16.71	16.68		16.67	16.65	18.00
20	256QAM	50	24	16.71	16.76		16.62	16.62	18.00
20	256QAM	50	50	16.62	16.72		16.66	16.70	18.00
20	256QAM	100	0	16.69	16.73		16.70	16.73	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	18.30	18.34		18.34	18.34	19.70



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15	QPSK	1	37	18.12	18.20		18.28	18.24	19.70
15	QPSK	1	74	18.13	18.32		18.28	18.14	19.70
15	QPSK	36	0	18.10	18.36		18.21	18.28	19.70
15	QPSK	36	20	18.16	18.30		18.16	18.15	19.70
15	QPSK	36	39	18.19	18.18		18.20	18.15	19.70
15	QPSK	75	0	18.17	18.21		18.29	18.26	19.70
15	16QAM	1	0	18.21	18.15		18.23	18.15	19.70
15	16QAM	1	37	18.21	18.20		18.12	18.16	19.70
15	16QAM	1	74	18.10	18.17		18.15	18.12	19.70
15	16QAM	36	0	18.20	18.24		18.10	18.15	19.70
15	16QAM	36	20	18.16	18.19		18.14	18.19	19.70
15	16QAM	36	39	18.21	18.18		18.14	18.30	19.70
15	16QAM	75	0	18.14	18.21		18.29	18.17	19.70
15	64QAM	1	0	18.25	18.17		18.20	18.10	19.70
15	64QAM	1	37	18.23	18.17		18.22	18.23	19.70
15	64QAM	1	74	18.27	18.15		18.25	18.16	19.70
15	64QAM	36	0	18.08	18.23		18.11	18.18	19.70
15	64QAM	36	20	18.15	18.26		18.15	18.14	19.70
15	64QAM	36	39	18.17	18.24		18.21	18.20	19.70
15	64QAM	75	0	18.26	18.19		18.14	18.18	19.70
15	256QAM	1	0	16.52	16.64		16.49	16.50	18.00
15	256QAM	1	37	16.54	16.59		16.64	16.57	18.00
15	256QAM	1	74	16.52	16.63		16.68	16.51	18.00
15	256QAM	36	0	16.64	16.56		16.61	16.63	18.00
15	256QAM	36	20	16.56	16.64		16.55	16.61	18.00
15	256QAM	36	39	16.49	16.68		16.62	16.56	18.00
15	256QAM	75	0	16.65	16.60		16.65	16.68	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	18.22	18.27		18.30	18.29	19.70
10	QPSK	1	25	18.12	18.30		18.28	18.27	19.70
10	QPSK	1	49	18.17	18.32		18.23	18.14	19.70
10	QPSK	25	0	18.16	18.30		18.10	18.20	19.70
10	QPSK	25	12	18.11	18.26		18.25	18.21	19.70
10	QPSK	25	25	18.26	18.12		18.24	18.24	19.70
10	QPSK	50	0	18.14	18.26		18.21	18.20	19.70
10	16QAM	1	0	18.18	18.15		18.21	18.13	19.70
10	16QAM	1	25	18.17	18.18		18.12	18.18	19.70
10	16QAM	1	49	18.13	18.14		18.14	18.22	19.70
10	16QAM	25	0	18.16	18.18		18.17	18.24	19.70
10	16QAM	25	12	18.18	18.28		18.12	18.18	19.70
10	16QAM	25	25	18.19	18.20		18.15	18.29	19.70
10	16QAM	50	0	18.25	18.26		18.24	18.28	19.70
10	64QAM	1	0	18.21	18.18		18.26	18.21	19.70
10	64QAM	1	25	18.19	18.24		18.20	18.16	19.70
10	64QAM	1	49	18.17	18.25		18.14	18.16	19.70
10	64QAM	25	0	18.10	18.22		18.22	18.24	19.70
10	64QAM	25	12	18.21	18.27		18.15	18.22	19.70
10	64QAM	25	25	18.20	18.22		18.19	18.27	19.70
10	64QAM	50	0	18.21	18.33		18.16	18.21	19.70
10	256QAM	1	0	16.55	16.62		16.51	16.49	18.00
10	256QAM	1	25	16.66	16.60		16.62	16.58	18.00
10	256QAM	1	49	16.51	16.71		16.58	16.62	18.00
10	256QAM	25	0	16.58	16.56		16.61	16.59	18.00
10	256QAM	25	12	16.69	16.62		16.50	16.56	18.00
10	256QAM	25	25	16.56	16.60		16.53	16.68	18.00
10	256QAM	50	0	16.55	16.61		16.57	16.63	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	18.24	18.37		18.34	18.24	19.70
5	QPSK	1	12	18.17	18.30		18.17	18.23	19.70
5	QPSK	1	24	18.26	18.22		18.18	18.16	19.70
5	QPSK	12	0	18.12	18.26		18.19	18.18	19.70
5	QPSK	12	7	18.08	18.23		18.25	18.24	19.70
5	QPSK	12	13	18.23	18.15		18.27	18.24	19.70
5	QPSK	25	0	18.18	18.27		18.25	18.21	19.70
5	16QAM	1	0	18.17	18.17		18.27	18.09	19.70
5	16QAM	1	12	18.28	18.27		18.14	18.19	19.70
5	16QAM	1	24	18.21	18.19		18.18	18.12	19.70
5	16QAM	12	0	18.12	18.29		18.15	18.18	19.70
5	16QAM	12	7	18.20	18.30		18.18	18.13	19.70
5	16QAM	12	13	18.16	18.22		18.14	18.30	19.70
5	16QAM	25	0	18.18	18.24		18.24	18.20	19.70
5	64QAM	1	0	18.28	18.27		18.15	18.19	19.70
5	64QAM	1	12	18.21	18.13		18.19	18.25	19.70
5	64QAM	1	24	18.19	18.27		18.15	18.23	19.70



5	64QAM	12	0	18.18	18.28		18.16	18.24	19.70
5	64QAM	12	7	18.21	18.27		18.27	18.23	19.70
5	64QAM	12	13	18.15	18.17		18.27	18.18	19.70
5	64QAM	25	0	18.20	18.23		18.11	18.15	19.70
5	256QAM	1	0	16.50	16.66		16.60	16.54	18.00
5	256QAM	1	12	16.55	16.59		16.64	16.56	18.00
5	256QAM	1	24	16.59	16.64		16.67	16.49	18.00
5	256QAM	12	0	16.58	16.61		16.54	16.59	18.00
5	256QAM	12	7	16.61	16.65		16.60	16.59	18.00
5	256QAM	12	13	16.50	16.62		16.59	16.67	18.00
5	256QAM	25	0	16.68	16.61		16.58	16.62	18.00

【LTE Band 48__FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_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				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	20.08		20.03	19.98	20.80
20	QPSK	1	49	19.78	19.86		19.73	19.70	20.80
20	QPSK	1	99	19.75	19.86		19.72	19.63	20.80
20	QPSK	50	0	19.81	19.91		19.82	19.90	20.80
20	QPSK	50	24	19.73	19.90		19.74	19.75	20.80
20	QPSK	50	50	19.78	19.86		19.79	19.64	20.80
20	QPSK	100	0	19.68	19.80		19.73	19.77	20.80
20	16QAM	1	0	19.72	19.88		19.75	19.66	20.80
20	16QAM	1	49	19.86	19.93		19.76	19.75	20.80
20	16QAM	1	99	19.64	19.82		19.74	19.59	20.80
20	16QAM	50	0	19.39	19.46		19.40	19.24	20.80
20	16QAM	50	24	19.26	19.34		19.23	19.17	20.80
20	16QAM	50	50	19.24	19.31		19.12	19.08	20.80
20	16QAM	100	0	19.35	19.41		19.28	19.17	20.80
20	64QAM	1	0	19.41	19.46		19.38	19.21	20.80
20	64QAM	1	49	19.28	19.42		19.32	19.28	20.80
20	64QAM	1	99	19.29	19.33		19.24	19.18	20.80
20	64QAM	50	0	18.29	18.39		18.22	18.22	20.00
20	64QAM	50	24	18.26	18.36		18.21	18.20	20.00
20	64QAM	50	50	18.28	18.37		18.26	18.16	20.00
20	64QAM	100	0	18.24	18.40		18.25	18.23	20.00
20	256QAM	1	0	16.30	16.45		16.31	16.33	18.00
20	256QAM	1	49	16.35	16.44		16.38	16.35	18.00
20	256QAM	1	99	16.40	16.46		16.39	16.33	18.00
20	256QAM	50	0	16.33	16.40		16.26	16.27	18.00
20	256QAM	50	24	16.18	16.35		16.16	16.14	18.00
20	256QAM	50	50	16.22	16.36		16.24	16.15	18.00
20	256QAM	100	0	16.21	16.34		16.26	16.22	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.92	19.99		19.96	19.86	20.80
15	QPSK	1	37	19.69	19.84		19.63	19.63	20.80
15	QPSK	1	74	19.66	19.77		19.61	19.58	20.80
15	QPSK	36	0	19.75	19.83		19.67	19.84	20.80
15	QPSK	36	20	19.63	19.83		19.65	19.62	20.80
15	QPSK	36	39	19.64	19.71		19.70	19.60	20.80
15	QPSK	75	0	19.57	19.67		19.64	19.64	20.80
15	16QAM	1	0	19.59	19.80		19.72	19.59	20.80
15	16QAM	1	37	19.85	19.80		19.61	19.74	20.80
15	16QAM	1	74	19.51	19.74		19.66	19.50	20.80
15	16QAM	36	0	19.25	19.32		19.27	19.20	20.80
15	16QAM	36	20	19.21	19.19		19.19	19.06	20.80
15	16QAM	36	39	19.10	19.27		19.05	19.00	20.80
15	16QAM	75	0	19.23	19.35		19.26	19.02	20.80
15	64QAM	1	0	19.32	19.42		19.29	19.14	20.80
15	64QAM	1	37	19.18	19.41		19.18	19.17	20.80
15	64QAM	1	74	19.16	19.26		19.14	19.03	20.80
15	64QAM	36	0	18.18	18.32		18.20	18.10	20.00
15	64QAM	36	20	18.20	18.22		18.18	18.18	20.00
15	64QAM	36	39	18.24	18.25		18.19	18.06	20.00
15	64QAM	75	0	18.17	18.31		18.16	18.14	20.00
15	256QAM	1	0	16.28	16.43		16.29	16.29	18.00
15	256QAM	1	37	16.27	16.34		16.36	16.26	18.00
15	256QAM	1	74	16.32	16.38		16.29	16.31	18.00



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15	256QAM	36	0	16.21	16.34		16.20	16.20	18.00
15	256QAM	36	20	16.10	16.34		16.10	16.12	18.00
15	256QAM	36	39	16.11	16.23		16.14	16.01	18.00
15	256QAM	75	0	16.07	16.32		16.18	16.20	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.97	20.02		19.99	19.94	20.80
10	QPSK	1	25	19.71	19.78		19.59	19.58	20.80
10	QPSK	1	49	19.68	19.83		19.62	19.51	20.80
10	QPSK	25	0	19.78	19.79		19.74	19.86	20.80
10	QPSK	25	12	19.62	19.89		19.61	19.64	20.80
10	QPSK	25	25	19.68	19.82		19.77	19.54	20.80
10	QPSK	50	0	19.60	19.74		19.59	19.64	20.80
10	16QAM	1	0	19.63	19.74		19.73	19.55	20.80
10	16QAM	1	25	19.80	19.79		19.62	19.63	20.80
10	16QAM	1	49	19.51	19.71		19.65	19.52	20.80
10	16QAM	25	0	19.35	19.42		19.32	19.09	20.80
10	16QAM	25	12	19.19	19.30		19.21	19.04	20.80
10	16QAM	25	25	19.16	19.21		19.09	19.00	20.80
10	16QAM	50	0	19.34	19.37		19.21	19.10	20.80
10	64QAM	1	0	19.28	19.31		19.34	19.18	20.80
10	64QAM	1	25	19.16	19.37		19.31	19.18	20.80
10	64QAM	1	49	19.20	19.29		19.19	19.09	20.80
10	64QAM	25	0	18.23	18.27		18.08	18.10	20.00
10	64QAM	25	12	18.24	18.26		18.12	18.17	20.00
10	64QAM	25	25	18.14	18.25		18.16	18.12	20.00
10	64QAM	50	0	18.11	18.37		18.14	18.15	20.00
10	256QAM	1	0	16.28	16.42		16.21	16.30	18.00
10	256QAM	1	25	16.30	16.37		16.28	16.23	18.00
10	256QAM	1	49	16.39	16.44		16.38	16.19	18.00
10	256QAM	25	0	16.19	16.28		16.24	16.13	18.00
10	256QAM	25	12	16.16	16.34		16.04	16.00	18.00
10	256QAM	25	25	16.14	16.32		16.14	16.09	18.00
10	256QAM	50	0	16.13	16.26		16.15	16.11	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	19.92	20.00		19.92	19.95	20.80
5	QPSK	1	12	19.74	19.72		19.65	19.62	20.80
5	QPSK	1	24	19.62	19.81		19.59	19.50	20.80
5	QPSK	12	0	19.69	19.85		19.69	19.85	20.80
5	QPSK	12	7	19.61	19.87		19.70	19.73	20.80
5	QPSK	12	13	19.71	19.73		19.69	19.63	20.80
5	QPSK	25	0	19.59	19.77		19.60	19.67	20.80
5	16QAM	1	0	19.69	19.80		19.70	19.63	20.80
5	16QAM	1	12	19.80	19.82		19.67	19.62	20.80
5	16QAM	1	24	19.55	19.78		19.65	19.51	20.80
5	16QAM	12	0	19.27	19.40		19.33	19.12	20.80
5	16QAM	12	7	19.22	19.20		19.11	19.10	20.80
5	16QAM	12	13	19.15	19.20		19.02	19.03	20.80
5	16QAM	25	0	19.25	19.33		19.25	19.02	20.80
5	64QAM	1	0	19.36	19.40		19.27	19.15	20.80
5	64QAM	1	12	19.21	19.28		19.29	19.13	20.80
5	64QAM	1	24	19.20	19.24		19.12	19.12	20.80
5	64QAM	12	0	18.18	18.34		18.19	18.10	20.00
5	64QAM	12	7	18.15	18.23		18.16	18.08	20.00
5	64QAM	12	13	18.20	18.30		18.15	18.11	20.00
5	64QAM	25	0	18.23	18.26		18.19	18.13	20.00
5	256QAM	1	0	16.20	16.32		16.22	16.18	18.00
5	256QAM	1	12	16.26	16.41		16.26	16.25	18.00
5	256QAM	1	24	16.34	16.40		16.37	16.19	18.00
5	256QAM	12	0	16.29	16.38		16.20	16.17	18.00
5	256QAM	12	7	16.07	16.29		16.12	16.06	18.00
5	256QAM	12	13	16.13	16.31		16.19	16.05	18.00
5	256QAM	25	0	16.18	16.22		16.20	16.10	18.00



【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 6_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				55340	55830	55990	56150	56640	23.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.78		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	23.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	23.00
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00

10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00
10	16QAM	25	0	19.48	19.38		19.38	19.34	21.00
10	16QAM	25	12	19.66	19.59		19.43	19.61	21.00
10	16QAM	25	25	19.47	19.52		19.29	19.43	21.00
10	16QAM	50	0	19.61	19.54		19.45	19.55	21.00
10	64QAM	1	0	19.40	19.45		19.49	19.51	21.00
10	64QAM	1	25	19.49	19.50		19.42	19.48	21.00
10	64QAM	1	49	19.67	19.45		19.35	19.58	21.00
10	64QAM	25	0	18.37	18.41		18.26	18.27	20.00
10	64QAM	25	12	18.41	18.44		18.27	18.49	20.00
10	64QAM	25	25	18.39	18.43		18.30	18.41	20.00
10	64QAM	50	0	18.50	18.54		18.37	18.47	20.00
10	256QAM	1	0	16.45	16.45		16.33	16.44	18.00
10	256QAM	1	25	16.66	16.62		16.59	16.69	18.00
10	256QAM	1	49	16.48	16.56		16.48	16.52	18.00
10	256QAM	25	0	16.59	16.57		16.41	16.56	18.00
10	256QAM	25	12	16.37	16.47		16.29	16.45	18.00
10	256QAM	25	25	16.49	16.54		16.43	16.65	18.00
10	256QAM	50	0	16.55	16.62		16.34	16.62	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	21.63	21.65		21.54	21.63	23.00
5	QPSK	1	12	21.32	21.40		21.24	21.32	23.00
5	QPSK	1	24	21.40	21.29		21.26	21.32	23.00
5	QPSK	12	0	20.61	20.74		20.61	20.67	22.00
5	QPSK	12	7	20.54	20.53		20.26	20.47	22.00
5	QPSK	12	13	20.35	20.43		20.31	20.37	22.00
5	QPSK	25	0	20.62	20.64		20.52	20.55	22.00
5	16QAM	1	0	20.50	20.49		20.39	20.46	22.00
5	16QAM	1	12	20.47	20.43		20.40	20.41	22.00
5	16QAM	1	24	20.46	20.46		20.22	20.46	22.00
5	16QAM	12	0	19.50	19.38		19.30	19.46	21.00
5	16QAM	12	7	19.54	19.49		19.42	19.63	21.00
5	16QAM	12	13	19.49	19.48		19.38	19.38	21.00
5	16QAM	25	0	19.61	19.46		19.40	19.51	21.00
5	64QAM	1	0	19.48	19.55		19.46	19.55	21.00
5	64QAM	1	12	19.57	19.53		19.46	19.43	21.00
5	64QAM	1	24	19.57	19.55		19.37	19.57	21.00
5	64QAM	12	0	18.31	18.43		18.30	18.26	20.00
5	64QAM	12	7	18.42	18.37		18.23	18.44	20.00
5	64QAM	12	13	18.42	18.39		18.26	18.46	20.00
5	64QAM	25	0	18.50	18.48		18.27	18.54	20.00
5	256QAM	1	0	16.47	16.37		16.37	16.49	18.00
5	256QAM	1	12	16.67	16.65		16.56	16.61	18.00
5	256QAM	1	24	16.60	16.59		16.48	16.48	18.00
5	256QAM	12	0	16.62	16.47		16.41	16.57	18.00
5	256QAM	12	7	16.32	16.47		16.30	16.44	18.00
5	256QAM	12	13	16.57	16.55		16.42	16.57	18.00
5	256QAM	25	0	16.51	16.52		16.40	16.49	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.96	23.01		22.96	22.99	24.00
20	QPSK	1	49	22.50	22.53		22.59	22.56	24.00
20	QPSK	1	99	22.65	22.69		22.71	22.74	24.00
20	QPSK	50	0	21.95	22.06		21.88	21.99	23.00
20	QPSK	50	24	21.64	21.71		21.69	21.75	23.00
20	QPSK	50	50	21.82	21.95		21.88	21.92	23.00
20	QPSK	100	0	21.91	22.02		21.90	21.94	23.00
20	16QAM	1	0	21.87	21.87		21.75	21.79	23.00
20	16QAM	1	49	21.78	21.80		21.87	21.91	23.00
20	16QAM	1	99	21.84	21.88		21.77	21.88	23.00
20	16QAM	50	0	20.93	20.84		20.82	20.97	22.00
20	16QAM	50	24	20.76	20.68		20.75	20.73	22.00
20	16QAM	50	50	20.68	20.77		20.76	20.79	22.00
20	16QAM	100	0	20.71	20.76		20.74	20.72	22.00
20	64QAM	1	0	20.84	20.90		20.88	20.89	22.00
20	64QAM	1	49	20.85	20.77		20.76	20.76	22.00



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20	64QAM	1	99	20.89	20.84		20.88	20.80	22.00
20	64QAM	50	0	19.84	19.85		19.83	19.87	21.00
20	64QAM	50	24	19.89	19.81		19.76	19.87	21.00
20	64QAM	50	50	19.85	19.83		19.87	19.91	21.00
20	64QAM	100	0	19.83	19.80		19.77	19.80	21.00
20	256QAM	1	0	17.71	17.79		17.77	17.66	19.00
20	256QAM	1	49	17.89	17.77		17.75	17.82	19.00
20	256QAM	1	99	17.98	17.98		17.87	17.87	19.00
20	256QAM	50	0	17.89	17.84		17.88	17.81	19.00
20	256QAM	50	24	17.73	17.87		17.86	17.89	19.00
20	256QAM	50	50	17.81	17.82		17.71	17.79	19.00
20	256QAM	100	0	17.79	17.80		17.75	17.88	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.92	22.84		22.89	22.88	24.00
15	QPSK	1	37	22.47	22.42		22.50	22.54	24.00
15	QPSK	1	74	22.56	22.66		22.61	22.63	24.00
15	QPSK	36	0	21.74	21.87		21.75	21.84	23.00
15	QPSK	36	20	21.51	21.63		21.62	21.73	23.00
15	QPSK	36	39	21.79	21.88		21.73	21.89	23.00
15	QPSK	75	0	21.87	21.73		21.81	21.89	23.00
15	16QAM	1	0	21.81	21.81		21.71	21.69	23.00
15	16QAM	1	37	21.70	21.67		21.77	21.87	23.00
15	16QAM	1	74	21.79	21.78		21.76	21.84	23.00
15	16QAM	36	0	20.83	20.72		20.71	20.94	22.00
15	16QAM	36	20	20.74	20.61		20.69	20.69	22.00
15	16QAM	36	39	20.59	20.74		20.66	20.71	22.00
15	16QAM	75	0	20.58	20.69		20.68	20.70	22.00
15	64QAM	1	0	20.70	20.82		20.85	20.88	22.00
15	64QAM	1	37	20.74	20.63		20.67	20.61	22.00
15	64QAM	1	74	20.84	20.77		20.79	20.76	22.00
15	64QAM	36	0	19.73	19.73		19.70	19.84	21.00
15	64QAM	36	20	19.81	19.74		19.62	19.73	21.00
15	64QAM	36	39	19.79	19.74		19.85	19.88	21.00
15	64QAM	75	0	19.72	19.78		19.67	19.79	21.00
15	256QAM	1	0	17.63	17.65		17.75	17.54	19.00
15	256QAM	1	37	17.86	17.73		17.67	17.76	19.00
15	256QAM	1	74	17.93	17.85		17.85	17.83	19.00
15	256QAM	36	0	17.79	17.77		17.81	17.74	19.00
15	256QAM	36	20	17.68	17.80		17.80	17.76	19.00
15	256QAM	36	39	17.78	17.76		17.63	17.75	19.00
15	256QAM	75	0	17.72	17.66		17.73	17.85	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.84	22.91		22.85	22.87	24.00
10	QPSK	1	25	22.47	22.51		22.46	22.43	24.00
10	QPSK	1	49	22.54	22.62		22.68	22.68	24.00
10	QPSK	25	0	21.67	21.92		21.87	21.90	23.00
10	QPSK	25	12	21.58	21.60		21.64	21.61	23.00
10	QPSK	25	25	21.73	21.83		21.82	21.81	23.00
10	QPSK	50	0	21.82	21.70		21.88	21.86	23.00
10	16QAM	1	0	21.76	21.85		21.69	21.64	23.00
10	16QAM	1	25	21.69	21.70		21.84	21.89	23.00
10	16QAM	1	49	21.74	21.76		21.74	21.86	23.00
10	16QAM	25	0	20.79	20.70		20.71	20.94	22.00
10	16QAM	25	12	20.75	20.60		20.63	20.67	22.00
10	16QAM	25	25	20.62	20.69		20.63	20.76	22.00
10	16QAM	50	0	20.68	20.62		20.59	20.67	22.00
10	64QAM	1	0	20.81	20.86		20.82	20.78	22.00
10	64QAM	1	25	20.79	20.64		20.72	20.64	22.00
10	64QAM	1	49	20.86	20.70		20.76	20.73	22.00
10	64QAM	25	0	19.81	19.83		19.75	19.76	21.00
10	64QAM	25	12	19.79	19.77		19.74	19.79	21.00
10	64QAM	25	25	19.75	19.73		19.83	19.88	21.00
10	64QAM	50	0	19.75	19.78		19.66	19.68	21.00
10	256QAM	1	0	17.63	17.73		17.65	17.56	19.00
10	256QAM	1	25	17.79	17.72		17.61	17.70	19.00
10	256QAM	1	49	17.94	17.89		17.76	17.83	19.00
10	256QAM	25	0	17.81	17.79		17.81	17.78	19.00
10	256QAM	25	12	17.61	17.85		17.73	17.87	19.00
10	256QAM	25	25	17.67	17.78		17.62	17.72	19.00
10	256QAM	50	0	17.65	17.73		17.67	17.75	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.95	22.84		22.86	22.93	24.00



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5	QPSK	1	12	22.37	22.51		22.57	22.53	24.00
5	QPSK	1	24	22.53	22.55		22.57	22.67	24.00
5	QPSK	12	0	21.73	21.88		21.86	21.83	23.00
5	QPSK	12	7	21.55	21.70		21.56	21.62	23.00
5	QPSK	12	13	21.74	21.91		21.83	21.89	23.00
5	QPSK	25	0	21.87	21.80		21.86	21.82	23.00
5	16QAM	1	0	21.77	21.80		21.74	21.72	23.00
5	16QAM	1	12	21.65	21.68		21.84	21.80	23.00
5	16QAM	1	24	21.81	21.76		21.69	21.81	23.00
5	16QAM	12	0	20.82	20.79		20.67	20.89	22.00
5	16QAM	12	7	20.62	20.57		20.68	20.60	22.00
5	16QAM	12	13	20.56	20.64		20.64	20.75	22.00
5	16QAM	25	0	20.66	20.66		20.63	20.63	22.00
5	64QAM	1	0	20.75	20.78		20.83	20.82	22.00
5	64QAM	1	12	20.78	20.73		20.74	20.70	22.00
5	64QAM	1	24	20.77	20.76		20.74	20.69	22.00
5	64QAM	12	0	19.78	19.77		19.78	19.80	21.00
5	64QAM	12	7	19.79	19.71		19.75	19.73	21.00
5	64QAM	12	13	19.81	19.77		19.78	19.85	21.00
5	64QAM	25	0	19.81	19.78		19.71	19.71	21.00
5	256QAM	1	0	17.66	17.66		17.76	17.60	19.00
5	256QAM	1	12	17.86	17.75		17.66	17.74	19.00
5	256QAM	1	24	17.92	17.87		17.80	17.85	19.00
5	256QAM	12	0	17.85	17.72		17.85	17.76	19.00
5	256QAM	12	7	17.60	17.72		17.84	17.85	19.00
5	256QAM	12	13	17.75	17.71		17.68	17.70	19.00
5	256QAM	25	0	17.74	17.69		17.68	17.86	19.00

<LTE Band 48_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				55340	55830	55990	56150			56640
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	21.96	22.07		21.96	21.99	23.00	
20		1	49	21.50	21.53		21.59	21.56	23.00	
20		1	99	21.65	21.69		21.71	21.74	23.00	
20		50	0	21.95	22.06		21.88	21.99	23.00	
20		50	24	21.64	21.71		21.69	21.75	23.00	
20		50	50	21.82	21.95		21.88	21.92	23.00	
20	16QAM	100	0	21.91	22.02		21.90	21.94	23.00	
20		1	0	21.87	21.87		21.75	21.79	23.00	
20		1	49	21.78	21.80		21.87	21.91	23.00	
20		1	99	21.84	21.88		21.77	21.88	23.00	
20		50	0	20.93	20.84		20.82	20.97	22.00	
20		50	24	20.76	20.68		20.75	20.73	22.00	
20	64QAM	50	50	20.68	20.77		20.76	20.79	22.00	
20		100	0	20.71	20.76		20.74	20.72	22.00	
20		1	0	20.84	20.90		20.88	20.89	22.00	
20		1	49	20.85	20.77		20.76	20.76	22.00	
20		1	99	20.89	20.84		20.88	20.80	22.00	
20		50	0	19.84	19.85		19.83	19.87	21.00	
20	256QAM	50	24	19.89	19.81		19.76	19.87	21.00	
20		50	50	19.85	19.83		19.87	19.91	21.00	
20		100	0	19.83	19.80		19.77	19.80	21.00	
20		1	0	17.71	17.79		17.77	17.66	19.00	
20		1	49	17.89	17.77		17.75	17.82	19.00	
20		1	99	17.98	17.98		17.87	17.87	19.00	
20		50	0	17.89	17.84		17.88	17.81	19.00	
20		50	24	17.73	17.87		17.86	17.89	19.00	
20		50	50	17.81	17.82		17.71	17.79	19.00	
20		100	0	17.79	17.80		17.75	17.88	19.00	
Channel				55315	55820	55990	56160	56665	Tune-up Limit (dBm)	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
15	QPSK	1	0	21.92	21.84		21.89	21.88	23.00	
15		1	37	21.47	21.42		21.50	21.54	23.00	
15		1	74	21.56	21.66		21.61	21.63	23.00	
15		36	0	21.74	21.87		21.75	21.84	23.00	
15		36	20	21.51	21.63		21.62	21.73	23.00	
15		36	39	21.79	21.88		21.73	21.89	23.00	
15	16QAM	75	0	21.87	21.73		21.81	21.89	23.00	
15		1	0	21.81	21.81		21.71	21.69	23.00	
15		1	37	21.70	21.67		21.77	21.87	23.00	
15		1	74	21.79	21.78		21.76	21.84	23.00	
15		36	0	20.83	20.72		20.71	20.94	22.00	
15		36	20	20.74	20.61		20.69	20.69	22.00	



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15	64QAM	36	39	20.59	20.74		20.66	20.71	22.00
15		75	0	20.58	20.69		20.68	20.70	22.00
15		1	0	20.70	20.82		20.85	20.88	22.00
15		1	37	20.74	20.63		20.67	20.61	22.00
15		1	74	20.84	20.77		20.79	20.76	22.00
15		36	0	19.73	19.73		19.70	19.84	21.00
15		36	20	19.81	19.74		19.62	19.73	21.00
15		36	39	19.79	19.74		19.85	19.88	21.00
15		75	0	19.72	19.78		19.67	19.79	21.00
15	256QAM	1	0	17.63	17.65		17.75	17.54	19.00
15		1	37	17.86	17.73		17.67	17.76	19.00
15		1	74	17.93	17.85		17.85	17.83	19.00
15		36	0	17.79	17.77		17.81	17.74	19.00
15		36	20	17.68	17.80		17.80	17.76	19.00
15		36	39	17.78	17.76		17.63	17.75	19.00
15		75	0	17.72	17.66		17.73	17.85	19.00
Channel				55290	55815	55990	56165	56690	Tune-up Limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.84	21.91		21.85	21.87	23.00
10		1	25	21.47	21.51		21.46	21.43	23.00
10		1	49	21.54	21.62		21.68	21.68	23.00
10		25	0	21.67	21.92		21.87	21.90	23.00
10		25	12	21.58	21.60		21.64	21.61	23.00
10		25	25	21.73	21.83		21.82	21.81	23.00
10	16QAM	50	0	21.82	21.70		21.88	21.86	23.00
10		1	0	21.76	21.85		21.69	21.64	23.00
10		1	25	21.69	21.70		21.84	21.89	23.00
10		1	49	21.74	21.76		21.74	21.86	23.00
10		25	0	20.79	20.70		20.71	20.94	22.00
10		25	12	20.75	20.60		20.63	20.67	22.00
10	64QAM	25	25	20.62	20.69		20.63	20.76	22.00
10		50	0	20.68	20.62		20.59	20.67	22.00
10		1	0	20.81	20.86		20.82	20.78	22.00
10		1	25	20.79	20.64		20.72	20.64	22.00
10		1	49	20.86	20.70		20.76	20.73	22.00
10		25	0	19.81	19.83		19.75	19.76	21.00
10	256QAM	25	12	19.79	19.77		19.74	19.79	21.00
10		25	25	19.75	19.73		19.83	19.88	21.00
10		50	0	19.75	19.78		19.66	19.68	21.00
10		1	0	17.63	17.73		17.65	17.56	19.00
10		1	25	17.79	17.72		17.61	17.70	19.00
10		1	49	17.94	17.89		17.76	17.83	19.00
10	256QAM	25	0	17.81	17.79		17.81	17.78	19.00
10		25	12	17.61	17.85		17.73	17.87	19.00
10		25	25	17.67	17.78		17.62	17.72	19.00
10		50	0	17.65	17.73		17.67	17.75	19.00
Channel				55265	55810	55990	56170	56715	Tune-up Limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	21.95	21.84		21.86	21.93	23.00
5		1	12	21.37	21.51		21.57	21.53	23.00
5		1	24	21.53	21.55		21.57	21.67	23.00
5		12	0	21.73	21.88		21.86	21.83	23.00
5		12	7	21.55	21.70		21.56	21.62	23.00
5		12	13	21.74	21.91		21.83	21.89	23.00
5	16QAM	25	0	21.87	21.80		21.86	21.82	23.00
5		1	0	21.77	21.80		21.74	21.72	23.00
5		1	12	21.65	21.68		21.84	21.80	23.00
5		1	24	21.81	21.76		21.69	21.81	23.00
5		12	0	20.82	20.79		20.67	20.89	22.00
5		12	7	20.62	20.57		20.68	20.60	22.00
5	64QAM	12	13	20.56	20.64		20.64	20.75	22.00
5		25	0	20.66	20.66		20.63	20.63	22.00
5		1	0	20.75	20.78		20.83	20.82	22.00
5		1	12	20.78	20.73		20.74	20.70	22.00
5		1	24	20.77	20.76		20.74	20.69	22.00
5		12	0	19.78	19.77		19.78	19.80	21.00
5	256QAM	12	7	19.79	19.71		19.75	19.73	21.00
5		12	13	19.81	19.77		19.78	19.85	21.00
5		25	0	19.81	19.78		19.71	19.71	21.00
5		1	0	17.66	17.66		17.76	17.60	19.00
5		1	12	17.86	17.75		17.66	17.74	19.00
5		1	24	17.92	17.87		17.80	17.85	19.00
5	256QAM	12	0	17.85	17.72		17.85	17.76	19.00
5		12	7	17.60	17.72		17.84	17.85	19.00
5		12	13	17.75	17.71		17.68	17.70	19.00
5		25	0	17.74	17.69		17.68	17.86	19.00



<LTE Band 48_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				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	18.68	18.82		18.77	18.69	19.80	
20		1	49	18.30	18.53		18.37	18.31	19.80	
20		1	99	18.46	18.65		18.49	18.38	19.80	
20		50	0	18.56	18.70		18.69	18.69	19.80	
20		50	24	18.41	18.61		18.55	18.43	19.80	
20		50	50	18.50	18.69		18.63	18.48	19.80	
20	16QAM	100	0	18.55	18.56		18.42	18.45	19.80	
20		1	0	18.35	18.55		18.38	18.37	19.80	
20		1	49	18.53	18.70		18.52	18.53	19.80	
20		1	99	18.37	18.55		18.37	18.34	19.80	
20		50	0	18.45	18.69		18.63	18.53	19.80	
20		50	24	18.37	18.65		18.56	18.50	19.80	
20	64QAM	50	50	18.44	18.59		18.49	18.41	19.80	
20		100	0	18.54	18.70		18.63	18.45	19.80	
20		1	0	18.47	18.66		18.53	18.45	19.80	
20		1	49	18.49	18.66		18.49	18.47	19.80	
20		1	99	18.42	18.68		18.55	18.46	19.80	
20		50	0	18.38	18.60		18.42	18.44	19.80	
20	256QAM	50	24	18.43	18.67		18.59	18.39	19.80	
20		50	50	18.35	18.61		18.52	18.40	19.80	
20		100	0	18.39	18.59		18.40	18.42	19.80	
20		1	0	17.35	17.61		17.46	17.45	18.00	
20		1	49	17.46	17.63		17.45	17.48	18.00	
20		1	99	17.33	17.57		17.45	17.44	18.00	
20	256QAM	50	0	17.30	17.56		17.50	17.34	18.00	
20		50	24	17.46	17.60		17.44	17.34	18.00	
20		50	50	17.36	17.53		17.39	17.34	18.00	
20		100	0	17.38	17.65		17.54	17.40	18.00	
Channel				55315	55820	55990	56160	56665	Tune-up Limit (dBm)	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
15	QPSK	1	0	18.59	18.74		18.65	18.61	19.80	
15		1	37	18.23	18.43		18.25	18.25	19.80	
15		1	74	18.37	18.63		18.44	18.32	19.80	
15		36	0	18.41	18.59		18.49	18.67	19.80	
15		36	20	18.33	18.57		18.54	18.28	19.80	
15		36	39	18.46	18.61		18.49	18.43	19.80	
15	16QAM	75	0	18.41	18.53		18.37	18.40	19.80	
15		1	0	18.20	18.53		18.25	18.30	19.80	
15		1	37	18.45	18.61		18.46	18.46	19.80	
15		1	74	18.33	18.52		18.35	18.27	19.80	
15		36	0	18.31	18.63		18.49	18.46	19.80	
15		36	20	18.28	18.55		18.46	18.40	19.80	
15	64QAM	36	39	18.37	18.57		18.39	18.26	19.80	
15		75	0	18.49	18.69		18.56	18.37	19.80	
15		1	0	18.44	18.52		18.49	18.43	19.80	
15		1	37	18.42	18.59		18.37	18.38	19.80	
15		1	74	18.40	18.65		18.45	18.33	19.80	
15		36	0	18.27	18.57		18.27	18.41	19.80	
15	256QAM	36	20	18.32	18.55		18.49	18.25	19.80	
15		36	39	18.30	18.58		18.45	18.34	19.80	
15		75	0	18.38	18.50		18.33	18.29	19.80	
15		1	0	17.31	17.56		17.43	17.41	18.00	
15		1	37	17.42	17.60		17.41	17.45	18.00	
15		1	74	17.23	17.53		17.33	17.37	18.00	
15	256QAM	36	0	17.23	17.45		17.47	17.28	18.00	
15		36	20	17.34	17.58		17.38	17.33	18.00	
15		36	39	17.33	17.39		17.27	17.29	18.00	
15		75	0	17.32	17.58		17.40	17.37	18.00	
Channel				55290	55815	55990	56165	56690	Tune-up Limit (dBm)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	18.57	18.75		18.63	18.55	19.80	
10		1	25	18.17	18.43		18.27	18.27	19.80	
10		1	49	18.44	18.58		18.35	18.32	19.80	
10		25	0	18.42	18.63		18.57	18.66	19.80	
10		25	12	18.40	18.59		18.44	18.37	19.80	
10		25	25	18.37	18.64		18.53	18.42	19.80	
10	QPSK	50	0	18.50	18.50		18.38	18.37	19.80	



10	16QAM	1	0	18.25	18.48		18.24	18.30	19.80
10		1	25	18.46	18.58		18.40	18.52	19.80
10		1	49	18.24	18.50		18.27	18.30	19.80
10		25	0	18.40	18.59		18.51	18.46	19.80
10		25	12	18.29	18.58		18.46	18.36	19.80
10		25	25	18.42	18.56		18.38	18.38	19.80
10	64QAM	50	0	18.44	18.65		18.54	18.37	19.80
10		1	0	18.43	18.52		18.42	18.33	19.80
10		1	25	18.37	18.54		18.42	18.39	19.80
10		1	49	18.34	18.62		18.49	18.37	19.80
10		25	0	18.26	18.52		18.39	18.34	19.80
10		25	12	18.38	18.56		18.53	18.26	19.80
10	256QAM	25	25	18.26	18.53		18.48	18.28	19.80
10		50	0	18.36	18.51		18.26	18.36	19.80
10		1	0	17.32	17.54		17.42	17.42	18.00
10		1	25	17.37	17.54		17.41	17.34	18.00
10		1	49	17.23	17.45		17.41	17.34	18.00
10		25	0	17.27	17.50		17.40	17.23	18.00
10		25	12	17.43	17.47		17.36	17.27	18.00
10		25	25	17.21	17.52		17.33	17.20	18.00
10		50	0	17.37	17.63		17.48	17.28	18.00
10		Channel			55265	55810	55990	56170	56715
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	18.58	18.79		18.62	18.62	19.80
5		1	12	18.20	18.50		18.29	18.25	19.80
5		1	24	18.39	18.60		18.44	18.33	19.80
5		12	0	18.52	18.60		18.57	18.62	19.80
5		12	7	18.34	18.57		18.48	18.34	19.80
5		12	13	18.36	18.57		18.51	18.36	19.80
5	16QAM	25	0	18.51	18.49		18.37	18.39	19.80
5		1	0	18.25	18.49		18.33	18.25	19.80
5		1	12	18.50	18.67		18.41	18.38	19.80
5		1	24	18.33	18.45		18.35	18.26	19.80
5		12	0	18.42	18.55		18.51	18.40	19.80
5		12	7	18.31	18.62		18.42	18.46	19.80
5	64QAM	12	13	18.29	18.49		18.38	18.35	19.80
5		25	0	18.40	18.65		18.61	18.43	19.80
5		1	0	18.39	18.55		18.45	18.39	19.80
5		1	12	18.38	18.64		18.35	18.41	19.80
5		1	24	18.28	18.55		18.51	18.34	19.80
5		12	0	18.23	18.50		18.37	18.31	19.80
5	256QAM	12	7	18.33	18.55		18.47	18.27	19.80
5		12	13	18.34	18.60		18.40	18.29	19.80
5		25	0	18.29	18.49		18.32	18.32	19.80
5		1	0	17.26	17.53		17.34	17.32	18.00
5		1	12	17.44	17.58		17.42	17.43	18.00
5		1	24	17.26	17.46		17.42	17.39	18.00
5		12	0	17.27	17.46		17.40	17.32	18.00
5		12	7	17.41	17.58		17.31	17.28	18.00
5		12	13	17.21	17.47		17.28	17.32	18.00
5		25	0	17.37	17.57		17.40	17.33	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.88	21.93		21.79	21.87	23.10
20	QPSK	1	49	21.69	21.80		21.61	21.66	23.10
20	QPSK	1	99	21.63	21.81		21.57	21.70	23.10
20	QPSK	50	0	21.80	21.82		21.79	21.78	23.10
20	QPSK	50	24	21.57	21.74		21.46	21.62	23.10
20	QPSK	50	50	21.64	21.80		21.56	21.71	23.10
20	QPSK	100	0	21.60	21.70		21.65	21.64	23.10
20	16QAM	1	0	21.57	21.70		21.48	21.52	23.10
20	16QAM	1	49	21.59	21.71		21.52	21.53	23.10
20	16QAM	1	99	21.67	21.77		21.51	21.65	23.10
20	16QAM	50	0	20.56	20.68		20.47	20.57	22.00
20	16QAM	50	24	20.59	20.66		20.38	20.52	22.00
20	16QAM	50	50	20.52	20.70		20.43	20.55	22.00
20	16QAM	100	0	20.73	20.80		20.64	20.63	22.00
20	64QAM	1	0	20.62	20.69		20.46	20.51	22.00



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20	64QAM	1	49	20.64	20.76		20.53	20.62	22.00
20	64QAM	1	99	20.64	20.80		20.64	20.70	22.00
20	64QAM	50	0	19.55	19.68		19.52	19.58	21.00
20	64QAM	50	24	19.50	19.65		19.40	19.53	21.00
20	64QAM	50	50	19.54	19.66		19.44	19.47	21.00
20	64QAM	100	0	19.65	19.77		19.59	19.68	21.00
20	256QAM	1	0	17.59	17.65		17.52	17.46	19.00
20	256QAM	1	49	17.61	17.68		17.49	17.54	19.00
20	256QAM	1	99	17.54	17.71		17.58	17.59	19.00
20	256QAM	50	0	17.62	17.71		17.53	17.57	19.00
20	256QAM	50	24	17.65	17.72		17.47	17.54	19.00
20	256QAM	50	50	17.59	17.75		17.50	17.67	19.00
20	256QAM	100	0	17.60	17.67		17.49	17.54	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.75	21.85		21.74	21.73	23.10
15	QPSK	1	37	21.67	21.72		21.57	21.59	23.10
15	QPSK	1	74	21.61	21.80		21.47	21.58	23.10
15	QPSK	36	0	21.72	21.68		21.67	21.60	23.10
15	QPSK	36	20	21.44	21.61		21.40	21.60	23.10
15	QPSK	36	39	21.54	21.73		21.45	21.63	23.10
15	QPSK	75	0	21.49	21.57		21.51	21.54	23.10
15	16QAM	1	0	21.47	21.66		21.45	21.41	23.10
15	16QAM	1	37	21.47	21.63		21.38	21.42	23.10
15	16QAM	1	74	21.57	21.67		21.49	21.56	23.10
15	16QAM	36	0	20.54	20.66		20.32	20.53	22.00
15	16QAM	36	20	20.56	20.59		20.32	20.41	22.00
15	16QAM	36	39	20.41	20.57		20.32	20.47	22.00
15	16QAM	75	0	20.60	20.67		20.50	20.59	22.00
15	64QAM	1	0	20.56	20.59		20.39	20.49	22.00
15	64QAM	1	37	20.52	20.68		20.46	20.50	22.00
15	64QAM	1	74	20.51	20.66		20.59	20.60	22.00
15	64QAM	36	0	19.53	19.64		19.39	19.44	21.00
15	64QAM	36	20	19.44	19.60		19.34	19.50	21.00
15	64QAM	36	39	19.46	19.51		19.30	19.40	21.00
15	64QAM	75	0	19.60	19.64		19.49	19.64	21.00
15	256QAM	1	0	17.46	17.53		17.50	17.37	19.00
15	256QAM	1	37	17.53	17.61		17.45	17.48	19.00
15	256QAM	1	74	17.48	17.69		17.56	17.55	19.00
15	256QAM	36	0	17.59	17.61		17.52	17.49	19.00
15	256QAM	36	20	17.52	17.64		17.34	17.40	19.00
15	256QAM	36	39	17.48	17.66		17.40	17.65	19.00
15	256QAM	75	0	17.56	17.60		17.46	17.39	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.78	21.83		21.68	21.83	23.10
10	QPSK	1	25	21.62	21.65		21.52	21.52	23.10
10	QPSK	1	49	21.57	21.76		21.50	21.66	23.10
10	QPSK	25	0	21.71	21.81		21.73	21.58	23.10
10	QPSK	25	12	21.42	21.69		21.37	21.54	23.10
10	QPSK	25	25	21.59	21.70		21.43	21.65	23.10
10	QPSK	50	0	21.48	21.59		21.53	21.61	23.10
10	16QAM	1	0	21.44	21.60		21.44	21.38	23.10
10	16QAM	1	25	21.49	21.64		21.41	21.52	23.10
10	16QAM	1	49	21.54	21.73		21.38	21.55	23.10
10	16QAM	25	0	20.43	20.58		20.37	20.50	22.00
10	16QAM	25	12	20.49	20.60		20.24	20.44	22.00
10	16QAM	25	25	20.37	20.61		20.35	20.51	22.00
10	16QAM	50	0	20.67	20.78		20.54	20.61	22.00
10	64QAM	1	0	20.52	20.57		20.38	20.44	22.00
10	64QAM	1	25	20.54	20.70		20.46	20.54	22.00
10	64QAM	1	49	20.52	20.72		20.55	20.58	22.00
10	64QAM	25	0	19.44	19.63		19.39	19.44	21.00
10	64QAM	25	12	19.44	19.52		19.36	19.49	21.00
10	64QAM	25	25	19.50	19.60		19.40	19.33	21.00
10	64QAM	50	0	19.52	19.69		19.48	19.59	21.00
10	256QAM	1	0	17.47	17.57		17.44	17.31	19.00
10	256QAM	1	25	17.46	17.63		17.41	17.50	19.00
10	256QAM	1	49	17.46	17.68		17.45	17.57	19.00
10	256QAM	25	0	17.58	17.59		17.42	17.45	19.00
10	256QAM	25	12	17.59	17.61		17.33	17.48	19.00
10	256QAM	25	25	17.53	17.65		17.47	17.62	19.00
10	256QAM	50	0	17.45	17.58		17.45	17.47	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	



5	QPSK	1	0	21.85	21.84		21.73	21.86	23.10
5	QPSK	1	12	21.59	21.77		21.54	21.61	23.10
5	QPSK	1	24	21.59	21.71		21.53	21.63	23.10
5	QPSK	12	0	21.68	21.69		21.64	21.60	23.10
5	QPSK	12	7	21.43	21.62		21.42	21.48	23.10
5	QPSK	12	13	21.50	21.72		21.47	21.58	23.10
5	QPSK	25	0	21.45	21.55		21.59	21.63	23.10
5	16QAM	1	0	21.45	21.59		21.43	21.43	23.10
5	16QAM	1	12	21.58	21.69		21.44	21.50	23.10
5	16QAM	1	24	21.61	21.73		21.43	21.61	23.10
5	16QAM	12	0	20.48	20.66		20.39	20.46	22.00
5	16QAM	12	7	20.46	20.63		20.36	20.38	22.00
5	16QAM	12	13	20.48	20.64		20.36	20.42	22.00
5	16QAM	25	0	20.59	20.76		20.57	20.55	22.00
5	64QAM	1	0	20.50	20.66		20.36	20.42	22.00
5	64QAM	1	12	20.51	20.67		20.51	20.55	22.00
5	64QAM	1	24	20.54	20.74		20.59	20.62	22.00
5	64QAM	12	0	19.43	19.64		19.50	19.51	21.00
5	64QAM	12	7	19.36	19.62		19.26	19.48	21.00
5	64QAM	12	13	19.40	19.55		19.33	19.39	21.00
5	64QAM	25	0	19.57	19.74		19.53	19.61	21.00
5	256QAM	1	0	17.45	17.52		17.42	17.42	19.00
5	256QAM	1	12	17.55	17.59		17.38	17.51	19.00
5	256QAM	1	24	17.40	17.64		17.45	17.54	19.00
5	256QAM	12	0	17.55	17.58		17.43	17.54	19.00
5	256QAM	12	7	17.50	17.59		17.42	17.49	19.00
5	256QAM	12	13	17.52	17.69		17.47	17.57	19.00
5	256QAM	25	0	17.49	17.54		17.40	17.49	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 12】

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				55340	55830	55990	56150	56640	13.90
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	12.35	12.39		12.33	12.36	13.90
20	QPSK	1	49	12.23	12.30		12.25	12.33	13.90
20	QPSK	1	99	12.25	12.32		12.25	12.29	13.90
20	QPSK	50	0	12.24	12.38		12.29	12.24	13.90
20	QPSK	50	24	12.22	12.20		12.21	12.21	13.90
20	QPSK	50	50	12.23	12.22		12.22	12.21	13.90
20	QPSK	100	0	12.23	12.25		12.24	12.30	13.90
20	16QAM	1	0	12.31	12.30		12.26	12.29	13.90
20	16QAM	1	49	12.28	12.28		12.20	12.26	13.90
20	16QAM	1	99	12.24	12.31		12.20	12.27	13.90
20	16QAM	50	0	12.27	12.35		12.21	12.32	13.90
20	16QAM	50	24	12.29	12.34		12.21	12.23	13.90
20	16QAM	50	50	12.22	12.29		12.20	12.26	13.90
20	16QAM	100	0	12.28	12.27		12.19	12.22	13.90
20	64QAM	1	0	12.25	12.32		12.21	12.28	13.90
20	64QAM	1	49	12.22	12.28		12.20	12.29	13.90
20	64QAM	1	99	12.22	12.33		12.18	12.26	13.90
20	64QAM	50	0	12.23	12.31		12.22	12.27	13.90
20	64QAM	50	24	12.27	12.31		12.22	12.28	13.90
20	64QAM	50	50	12.32	12.24		12.23	12.22	13.90
20	64QAM	100	0	12.29	12.27		12.21	12.22	13.90
20	256QAM	1	0	12.27	12.30		12.26	12.22	13.90
20	256QAM	1	49	12.25	12.30		12.24	12.25	13.90
20	256QAM	1	99	12.20	12.33		12.20	12.22	13.90
20	256QAM	50	0	12.24	12.31		12.29	12.27	13.90
20	256QAM	50	24	12.24	12.30		12.27	12.27	13.90
20	256QAM	50	50	12.31	12.35		12.22	12.27	13.90
20	256QAM	100	0	12.23	12.29		12.23	12.21	13.90
Channel				55315	55820	55990	56160	56665	13.90
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	12.25	12.29		12.19	12.32	13.90
15	QPSK	1	37	12.17	12.19		12.12	12.29	13.90
15	QPSK	1	74	12.12	12.29		12.13	12.19	13.90
15	QPSK	36	0	12.15	12.23		12.23	12.16	13.90
15	QPSK	36	20	12.15	12.20		12.14	12.15	13.90
15	QPSK	36	39	12.11	12.18		12.19	12.27	13.90
15	QPSK	75	0	12.12	12.19		12.21	12.19	13.90



15	16QAM	1	0	12.26	12.22		12.11	12.28	13.90
15	16QAM	1	37	12.14	12.21		12.19	12.21	13.90
15	16QAM	1	74	12.18	12.20		12.08	12.14	13.90
15	16QAM	36	0	12.17	12.31		12.13	12.30	13.90
15	16QAM	36	20	12.26	12.30		12.19	12.16	13.90
15	16QAM	36	39	12.10	12.19		12.12	12.23	13.90
15	16QAM	75	0	12.20	12.26		12.18	12.13	13.90
15	64QAM	1	0	12.16	12.20		12.17	12.17	13.90
15	64QAM	1	37	12.15	12.17		12.16	12.28	13.90
15	64QAM	1	74	12.18	12.22		12.15	12.18	13.90
15	64QAM	36	0	12.17	12.24		12.15	12.22	13.90
15	64QAM	36	20	12.14	12.17		12.09	12.17	13.90
15	64QAM	36	39	12.25	12.22		12.09	12.21	13.90
15	64QAM	75	0	12.25	12.19		12.16	12.15	13.90
15	256QAM	1	0	12.13	12.21		12.22	12.10	13.90
15	256QAM	1	37	12.20	12.24		12.12	12.18	13.90
15	256QAM	1	74	12.14	12.24		12.12	12.07	13.90
15	256QAM	36	0	12.17	12.26		12.23	12.19	13.90
15	256QAM	36	20	12.21	12.16		12.19	12.24	13.90
15	256QAM	36	39	12.24	12.21		12.12	12.18	13.90
15	256QAM	75	0	12.11	12.23		12.08	12.19	13.90
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	12.33	12.27		12.28	12.25	13.90
10	QPSK	1	25	12.21	12.20		12.12	12.24	13.90
10	QPSK	1	49	12.22	12.29		12.23	12.23	13.90
10	QPSK	25	0	12.18	12.32		12.25	12.15	13.90
10	QPSK	25	12	12.10	12.11		12.16	12.18	13.90
10	QPSK	25	25	12.11	12.18		12.25	12.20	13.90
10	QPSK	50	0	12.19	12.12		12.17	12.27	13.90
10	16QAM	1	0	12.25	12.23		12.15	12.17	13.90
10	16QAM	1	25	12.13	12.20		12.17	12.20	13.90
10	16QAM	1	49	12.22	12.16		12.06	12.17	13.90
10	16QAM	25	0	12.15	12.25		12.06	12.23	13.90
10	16QAM	25	12	12.16	12.21		12.16	12.19	13.90
10	16QAM	25	25	12.10	12.24		12.11	12.19	13.90
10	16QAM	50	0	12.20	12.24		12.13	12.10	13.90
10	64QAM	1	0	12.13	12.27		12.15	12.27	13.90
10	64QAM	1	25	12.20	12.14		12.13	12.25	13.90
10	64QAM	1	49	12.12	12.23		12.14	12.21	13.90
10	64QAM	25	0	12.14	12.24		12.15	12.19	13.90
10	64QAM	25	12	12.26	12.26		12.20	12.20	13.90
10	64QAM	25	25	12.25	12.10		12.15	12.10	13.90
10	64QAM	50	0	12.28	12.16		12.13	12.16	13.90
10	256QAM	1	0	12.18	12.28		12.18	12.16	13.90
10	256QAM	1	25	12.13	12.27		12.11	12.12	13.90
10	256QAM	1	49	12.06	12.25		12.15	12.19	13.90
10	256QAM	25	0	12.14	12.20		12.27	12.20	13.90
10	256QAM	25	12	12.15	12.15		12.18	12.19	13.90
10	256QAM	25	25	12.18	12.32		12.14	12.26	13.90
10	256QAM	50	0	12.11	12.24		12.09	12.15	13.90
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	12.25	12.25		12.26	12.34	13.90
5	QPSK	1	12	12.11	12.20		12.18	12.25	13.90
5	QPSK	1	24	12.23	12.21		12.13	12.21	13.90
5	QPSK	12	0	12.21	12.34		12.15	12.23	13.90
5	QPSK	12	7	12.11	12.19		12.23	12.15	13.90
5	QPSK	12	13	12.13	12.22		12.18	12.20	13.90
5	QPSK	25	0	12.18	12.17		12.17	12.19	13.90
5	16QAM	1	0	12.23	12.19		12.21	12.18	13.90
5	16QAM	1	12	12.21	12.16		12.05	12.23	13.90
5	16QAM	1	24	12.11	12.29		12.12	12.23	13.90
5	16QAM	12	0	12.26	12.30		12.12	12.26	13.90
5	16QAM	12	7	12.21	12.24		12.14	12.11	13.90
5	16QAM	12	13	12.16	12.15		12.11	12.21	13.90
5	16QAM	25	0	12.25	12.21		12.07	12.12	13.90
5	64QAM	1	0	12.23	12.29		12.13	12.24	13.90
5	64QAM	1	12	12.15	12.26		12.14	12.22	13.90
5	64QAM	1	24	12.20	12.31		12.11	12.18	13.90
5	64QAM	12	0	12.09	12.18		12.21	12.23	13.90
5	64QAM	12	7	12.22	12.23		12.10	12.16	13.90
5	64QAM	12	13	12.31	12.22		12.16	12.19	13.90
5	64QAM	25	0	12.14	12.13		12.16	12.12	13.90
5	256QAM	1	0	12.13	12.25		12.24	12.08	13.90
5	256QAM	1	12	12.16	12.20		12.20	12.17	13.90



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5	256QAM	1	24	12.13	12.29		12.16	12.16	13.90
5	256QAM	12	0	12.13	12.28		12.15	12.20	13.90
5	256QAM	12	7	12.15	12.23		12.14	12.18	13.90
5	256QAM	12	13	12.25	12.31		12.19	12.15	13.90
5	256QAM	25	0	12.12	12.23		12.13	12.12	13.90

<LTE Band 48_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				55340	55830	55990	56150		
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	18.68	18.82		18.77	18.69	19.80
20		1	49	18.30	18.53		18.37	18.31	19.80
20		1	99	18.46	18.65		18.49	18.38	19.80
20		50	0	18.56	18.70		18.69	18.69	19.80
20		50	24	18.41	18.61		18.55	18.43	19.80
20		50	50	18.50	18.69		18.63	18.48	19.80
20		100	0	18.55	18.56		18.42	18.45	19.80
20	16QAM	1	0	18.35	18.55		18.38	18.37	19.80
20		1	49	18.53	18.70		18.52	18.53	19.80
20		1	99	18.37	18.55		18.37	18.34	19.80
20		50	0	18.45	18.69		18.63	18.53	19.80
20		50	24	18.37	18.65		18.56	18.50	19.80
20		50	50	18.44	18.59		18.49	18.41	19.80
20		100	0	18.54	18.70		18.63	18.45	19.80
20	64QAM	1	0	18.47	18.66		18.53	18.45	19.80
20		1	49	18.49	18.66		18.49	18.47	19.80
20		1	99	18.42	18.68		18.55	18.46	19.80
20		50	0	18.38	18.60		18.42	18.44	19.80
20		50	24	18.43	18.67		18.59	18.39	19.80
20		50	50	18.35	18.61		18.52	18.40	19.80
20		100	0	18.39	18.59		18.40	18.42	19.80
20	256QAM	1	0	17.35	17.61		17.46	17.45	18.00
20		1	49	17.46	17.63		17.45	17.48	18.00
20		1	99	17.33	17.57		17.45	17.44	18.00
20		50	0	17.30	17.56		17.50	17.34	18.00
20		50	24	17.46	17.60		17.44	17.34	18.00
20		50	50	17.36	17.53		17.39	17.34	18.00
20		100	0	17.38	17.65		17.54	17.40	18.00
Channel				55315	55820	55990	56160	56665	Tune-up Limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	18.59	18.74		18.65	18.61	19.80
15		1	37	18.23	18.43		18.25	18.25	19.80
15		1	74	18.37	18.63		18.44	18.32	19.80
15		36	0	18.41	18.59		18.49	18.67	19.80
15		36	20	18.33	18.57		18.54	18.28	19.80
15		36	39	18.46	18.61		18.49	18.43	19.80
15		75	0	18.41	18.53		18.37	18.40	19.80
15	16QAM	1	0	18.20	18.53		18.25	18.30	19.80
15		1	37	18.45	18.61		18.46	18.46	19.80
15		1	74	18.33	18.52		18.35	18.27	19.80
15		36	0	18.31	18.63		18.49	18.46	19.80
15		36	20	18.28	18.55		18.46	18.40	19.80
15		36	39	18.37	18.57		18.39	18.26	19.80
15		75	0	18.49	18.69		18.56	18.37	19.80
15	64QAM	1	0	18.44	18.52		18.49	18.43	19.80
15		1	37	18.42	18.59		18.37	18.38	19.80
15		1	74	18.40	18.65		18.45	18.33	19.80
15		36	0	18.27	18.57		18.27	18.41	19.80
15		36	20	18.32	18.55		18.49	18.25	19.80
15		36	39	18.30	18.58		18.45	18.34	19.80
15		75	0	18.38	18.50		18.33	18.29	19.80
15	256QAM	1	0	17.31	17.56		17.43	17.41	18.00
15		1	37	17.42	17.60		17.41	17.45	18.00
15		1	74	17.23	17.53		17.33	17.37	18.00
15		36	0	17.23	17.45		17.47	17.28	18.00
15		36	20	17.34	17.58		17.38	17.33	18.00
15		36	39	17.33	17.39		17.27	17.29	18.00
15		75	0	17.32	17.58		17.40	17.37	18.00
Channel				55290	55815	55990	56165	56690	Tune-up Limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	18.57	18.75		18.63	18.55	19.80
10		1	25	18.17	18.43		18.27	18.27	19.80
10		1	49	18.44	18.58		18.35	18.32	19.80
10		25	0	18.42	18.63		18.57	18.66	19.80
10		25	12	18.40	18.59		18.44	18.37	19.80



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10	16QAM	25	25	18.37	18.64		18.53	18.42	19.80
10		50	0	18.50	18.50		18.38	18.37	19.80
10		1	0	18.25	18.48		18.24	18.30	19.80
10		1	25	18.46	18.58		18.40	18.52	19.80
10		1	49	18.24	18.50		18.27	18.30	19.80
10		25	0	18.40	18.59		18.51	18.46	19.80
10		25	12	18.29	18.58		18.46	18.36	19.80
10		25	25	18.42	18.56		18.38	18.38	19.80
10	64QAM	50	0	18.44	18.65		18.54	18.37	19.80
10		1	0	18.43	18.52		18.42	18.33	19.80
10		1	25	18.37	18.54		18.42	18.39	19.80
10		1	49	18.34	18.62		18.49	18.37	19.80
10		25	0	18.26	18.52		18.39	18.34	19.80
10		25	12	18.38	18.56		18.53	18.26	19.80
10		25	25	18.26	18.53		18.48	18.28	19.80
10		50	0	18.36	18.51		18.26	18.36	19.80
10	256QAM	1	0	17.32	17.54		17.42	17.42	18.00
10		1	25	17.37	17.54		17.41	17.34	18.00
10		1	49	17.23	17.45		17.41	17.34	18.00
10		25	0	17.27	17.50		17.40	17.23	18.00
10		25	12	17.43	17.47		17.36	17.27	18.00
10		25	25	17.21	17.52		17.33	17.20	18.00
10		50	0	17.37	17.63		17.48	17.28	18.00
Channel				55265	55810	55990	56170	56715	Tune-up Limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	18.58	18.79		18.62	18.62	19.80
5		1	12	18.20	18.50		18.29	18.25	19.80
5		1	24	18.39	18.60		18.44	18.33	19.80
5		12	0	18.52	18.60		18.57	18.62	19.80
5		12	7	18.34	18.57		18.48	18.34	19.80
5		12	13	18.36	18.57		18.51	18.36	19.80
5	16QAM	25	0	18.51	18.49		18.37	18.39	19.80
5		1	0	18.25	18.49		18.33	18.25	19.80
5		1	12	18.50	18.67		18.41	18.38	19.80
5		1	24	18.33	18.45		18.35	18.26	19.80
5		12	0	18.42	18.55		18.51	18.40	19.80
5		12	7	18.31	18.62		18.42	18.46	19.80
5	64QAM	12	13	18.29	18.49		18.38	18.35	19.80
5		25	0	18.40	18.65		18.61	18.43	19.80
5		1	0	18.39	18.55		18.45	18.39	19.80
5		1	12	18.38	18.64		18.35	18.41	19.80
5		1	24	18.28	18.55		18.51	18.34	19.80
5		12	0	18.23	18.50		18.37	18.31	19.80
5	256QAM	12	7	18.33	18.55		18.47	18.27	19.80
5		12	13	18.34	18.60		18.40	18.29	19.80
5		25	0	18.29	18.49		18.32	18.32	19.80
5		1	0	17.26	17.53		17.34	17.32	18.00
5		1	12	17.44	17.58		17.42	17.43	18.00
5		1	24	17.26	17.46		17.42	17.39	18.00
5		12	0	17.27	17.46		17.40	17.32	18.00
5		12	7	17.41	17.58		17.31	17.28	18.00
5		12	13	17.21	17.47		17.28	17.32	18.00
5		25	0	17.37	17.57		17.40	17.33	18.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.96	23.01		22.96	22.99	24.00
20	QPSK	1	49	22.50	22.53		22.59	22.56	24.00
20	QPSK	1	99	22.65	22.69		22.71	22.74	24.00
20	QPSK	50	0	21.95	22.06		21.88	21.99	23.00
20	QPSK	50	24	21.64	21.71		21.69	21.75	23.00
20	QPSK	50	50	21.82	21.95		21.88	21.92	23.00
20	QPSK	100	0	21.91	22.02		21.90	21.94	23.00
20	16QAM	1	0	21.87	21.87		21.75	21.79	23.00
20	16QAM	1	49	21.78	21.80		21.87	21.91	23.00
20	16QAM	1	99	21.84	21.88		21.77	21.88	23.00



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20	16QAM	50	0	20.93	20.84		20.82	20.97	22.00
20	16QAM	50	24	20.76	20.68		20.75	20.73	22.00
20	16QAM	50	50	20.68	20.77		20.76	20.79	22.00
20	16QAM	100	0	20.71	20.76		20.74	20.72	22.00
20	64QAM	1	0	20.84	20.90		20.88	20.89	22.00
20	64QAM	1	49	20.85	20.77		20.76	20.76	22.00
20	64QAM	1	99	20.89	20.84		20.88	20.80	22.00
20	64QAM	50	0	19.84	19.85		19.83	19.87	21.00
20	64QAM	50	24	19.89	19.81		19.76	19.87	21.00
20	64QAM	50	50	19.85	19.83		19.87	19.91	21.00
20	64QAM	100	0	19.83	19.80		19.77	19.80	21.00
20	256QAM	1	0	17.71	17.79		17.77	17.66	19.00
20	256QAM	1	49	17.89	17.77		17.75	17.82	19.00
20	256QAM	1	99	17.98	17.98		17.87	17.87	19.00
20	256QAM	50	0	17.89	17.84		17.88	17.81	19.00
20	256QAM	50	24	17.73	17.87		17.86	17.89	19.00
20	256QAM	50	50	17.81	17.82		17.71	17.79	19.00
20	256QAM	100	0	17.79	17.80		17.75	17.88	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.92	22.84		22.89	22.88	24.00
15	QPSK	1	37	22.47	22.42		22.50	22.54	24.00
15	QPSK	1	74	22.56	22.66		22.61	22.63	24.00
15	QPSK	36	0	21.74	21.87		21.75	21.84	23.00
15	QPSK	36	20	21.51	21.63		21.62	21.73	23.00
15	QPSK	36	39	21.79	21.88		21.73	21.89	23.00
15	QPSK	75	0	21.87	21.73		21.81	21.89	23.00
15	16QAM	1	0	21.81	21.81		21.71	21.69	23.00
15	16QAM	1	37	21.70	21.67		21.77	21.87	23.00
15	16QAM	1	74	21.79	21.78		21.76	21.84	23.00
15	16QAM	36	0	20.83	20.72		20.71	20.94	22.00
15	16QAM	36	20	20.74	20.61		20.69	20.69	22.00
15	16QAM	36	39	20.59	20.74		20.66	20.71	22.00
15	16QAM	75	0	20.58	20.69		20.68	20.70	22.00
15	64QAM	1	0	20.70	20.82		20.85	20.88	22.00
15	64QAM	1	37	20.74	20.63		20.67	20.61	22.00
15	64QAM	1	74	20.84	20.77		20.79	20.76	22.00
15	64QAM	36	0	19.73	19.73		19.70	19.84	21.00
15	64QAM	36	20	19.81	19.74		19.62	19.73	21.00
15	64QAM	36	39	19.79	19.74		19.85	19.88	21.00
15	64QAM	75	0	19.72	19.78		19.67	19.79	21.00
15	256QAM	1	0	17.63	17.65		17.75	17.54	19.00
15	256QAM	1	37	17.86	17.73		17.67	17.76	19.00
15	256QAM	1	74	17.93	17.85		17.85	17.83	19.00
15	256QAM	36	0	17.79	17.77		17.81	17.74	19.00
15	256QAM	36	20	17.68	17.80		17.80	17.76	19.00
15	256QAM	36	39	17.78	17.76		17.63	17.75	19.00
15	256QAM	75	0	17.72	17.66		17.73	17.85	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.84	22.91		22.85	22.87	24.00
10	QPSK	1	25	22.47	22.51		22.46	22.43	24.00
10	QPSK	1	49	22.54	22.62		22.68	22.68	24.00
10	QPSK	25	0	21.67	21.92		21.87	21.90	23.00
10	QPSK	25	12	21.58	21.60		21.64	21.61	23.00
10	QPSK	25	25	21.73	21.83		21.82	21.81	23.00
10	QPSK	50	0	21.82	21.70		21.88	21.86	23.00
10	16QAM	1	0	21.76	21.85		21.69	21.64	23.00
10	16QAM	1	25	21.69	21.70		21.84	21.89	23.00
10	16QAM	1	49	21.74	21.76		21.74	21.86	23.00
10	16QAM	25	0	20.79	20.70		20.71	20.94	22.00
10	16QAM	25	12	20.75	20.60		20.63	20.67	22.00
10	16QAM	25	25	20.62	20.69		20.63	20.76	22.00
10	16QAM	50	0	20.68	20.62		20.59	20.67	22.00
10	64QAM	1	0	20.81	20.86		20.82	20.78	22.00
10	64QAM	1	25	20.79	20.64		20.72	20.64	22.00
10	64QAM	1	49	20.86	20.70		20.76	20.73	22.00
10	64QAM	25	0	19.81	19.83		19.75	19.76	21.00
10	64QAM	25	12	19.79	19.77		19.74	19.79	21.00
10	64QAM	25	25	19.75	19.73		19.83	19.88	21.00
10	64QAM	50	0	19.75	19.78		19.66	19.68	21.00
10	256QAM	1	0	17.63	17.73		17.65	17.56	19.00
10	256QAM	1	25	17.79	17.72		17.61	17.70	19.00
10	256QAM	1	49	17.94	17.89		17.76	17.83	19.00
10	256QAM	25	0	17.81	17.79		17.81	17.78	19.00
10	256QAM	25	12	17.61	17.85		17.73	17.87	19.00

10	256QAM	25	25	17.67	17.78		17.62	17.72	19.00
10	256QAM	50	0	17.65	17.73		17.67	17.75	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.95	22.84		22.86	22.93	24.00
5	QPSK	1	12	22.37	22.51		22.57	22.53	24.00
5	QPSK	1	24	22.53	22.55		22.57	22.67	24.00
5	QPSK	12	0	21.73	21.88		21.86	21.83	23.00
5	QPSK	12	7	21.55	21.70		21.56	21.62	23.00
5	QPSK	12	13	21.74	21.91		21.83	21.89	23.00
5	QPSK	25	0	21.87	21.80		21.86	21.82	23.00
5	16QAM	1	0	21.77	21.80		21.74	21.72	23.00
5	16QAM	1	12	21.65	21.68		21.84	21.80	23.00
5	16QAM	1	24	21.81	21.76		21.69	21.81	23.00
5	16QAM	12	0	20.82	20.79		20.67	20.89	22.00
5	16QAM	12	7	20.62	20.57		20.68	20.60	22.00
5	16QAM	12	13	20.56	20.64		20.64	20.75	22.00
5	16QAM	25	0	20.66	20.66		20.63	20.63	22.00
5	64QAM	1	0	20.75	20.78		20.83	20.82	22.00
5	64QAM	1	12	20.78	20.73		20.74	20.70	22.00
5	64QAM	1	24	20.77	20.76		20.74	20.69	22.00
5	64QAM	12	0	19.78	19.77		19.78	19.80	21.00
5	64QAM	12	7	19.79	19.71		19.75	19.73	21.00
5	64QAM	12	13	19.81	19.77		19.78	19.85	21.00
5	64QAM	25	0	19.81	19.78		19.71	19.71	21.00
5	256QAM	1	0	17.66	17.66		17.76	17.60	19.00
5	256QAM	1	12	17.86	17.75		17.66	17.74	19.00
5	256QAM	1	24	17.92	17.87		17.80	17.85	19.00
5	256QAM	12	0	17.85	17.72		17.85	17.76	19.00
5	256QAM	12	7	17.60	17.72		17.84	17.85	19.00
5	256QAM	12	13	17.75	17.71		17.68	17.70	19.00
5	256QAM	25	0	17.74	17.69		17.68	17.86	19.00

【LTE Band 66_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.11	22.16	22.14	23.00
20	QPSK	1	49	21.78	21.93	21.79	23.00
20	QPSK	1	99	21.79	21.92	21.81	23.00
20	QPSK	50	0	21.16	21.19	21.18	22.00
20	QPSK	50	24	21.09	21.15	21.04	22.00
20	QPSK	50	50	20.98	21.06	20.98	22.00
20	QPSK	100	0	21.03	21.12	20.98	22.00
20	16QAM	1	0	20.80	20.99	20.89	22.00
20	16QAM	1	49	21.00	21.15	21.06	22.00
20	16QAM	1	99	21.08	21.15	21.08	22.00
20	16QAM	50	0	20.07	20.14	20.04	21.00
20	16QAM	50	24	19.86	20.00	19.97	21.00
20	16QAM	50	50	20.04	20.15	20.10	21.00
20	16QAM	100	0	19.83	20.02	19.98	21.00
20	64QAM	1	0	19.84	19.95	19.89	21.00
20	64QAM	1	49	19.89	20.08	19.93	21.00
20	64QAM	1	99	19.89	20.03	19.88	21.00
20	64QAM	50	0	19.00	19.12	19.01	20.00
20	64QAM	50	24	18.87	19.03	18.96	20.00
20	64QAM	50	50	18.96	19.02	18.98	20.00
20	64QAM	100	0	19.07	19.15	19.00	20.00
20	256QAM	1	0	16.90	16.99	16.93	18.00
20	256QAM	1	49	16.90	16.98	16.92	18.00
20	256QAM	1	99	17.08	17.13	16.98	18.00
20	256QAM	50	0	16.93	17.11	16.96	18.00
20	256QAM	50	24	16.79	16.94	16.84	18.00
20	256QAM	50	50	16.89	17.02	16.98	18.00
20	256QAM	100	0	17.03	17.17	17.03	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.97	22.05	22.05	23.00
15	QPSK	1	37	21.70	21.80	21.71	23.00
15	QPSK	1	74	21.69	21.82	21.80	23.00



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15	QPSK	36	0	21.02	21.08	21.06	22.00
15	QPSK	36	20	20.96	21.07	20.98	22.00
15	QPSK	36	39	20.93	20.98	20.87	22.00
15	QPSK	75	0	20.99	21.01	20.85	22.00
15	16QAM	1	0	20.70	20.85	20.79	22.00
15	16QAM	1	37	20.96	21.04	20.95	22.00
15	16QAM	1	74	20.95	21.13	20.96	22.00
15	16QAM	36	0	19.98	20.08	19.94	21.00
15	16QAM	36	20	19.76	19.95	19.84	21.00
15	16QAM	36	39	20.01	20.09	20.08	21.00
15	16QAM	75	0	19.80	19.88	19.89	21.00
15	64QAM	1	0	19.69	19.88	19.80	21.00
15	64QAM	1	37	19.76	20.03	19.81	21.00
15	64QAM	1	74	19.85	19.89	19.85	21.00
15	64QAM	36	0	18.94	19.04	18.94	20.00
15	64QAM	36	20	18.72	18.90	18.93	20.00
15	64QAM	36	39	18.90	18.96	18.86	20.00
15	64QAM	75	0	18.93	19.14	18.98	20.00
15	256QAM	1	0	16.85	16.87	16.80	18.00
15	256QAM	1	37	16.88	16.96	16.87	18.00
15	256QAM	1	74	17.03	17.10	16.90	18.00
15	256QAM	36	0	16.90	16.97	16.84	18.00
15	256QAM	36	20	16.64	16.86	16.76	18.00
15	256QAM	36	39	16.74	16.92	16.84	18.00
15	256QAM	75	0	17.00	17.16	17.01	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.03	22.03	22.12	23.00
10	QPSK	1	25	21.70	21.78	21.75	23.00
10	QPSK	1	49	21.75	21.87	21.75	23.00
10	QPSK	25	0	21.07	21.12	21.16	22.00
10	QPSK	25	12	21.06	21.14	20.96	22.00
10	QPSK	25	25	20.90	20.96	20.93	22.00
10	QPSK	50	0	20.95	21.06	20.94	22.00
10	16QAM	1	0	20.70	20.90	20.75	22.00
10	16QAM	1	25	20.98	21.01	20.93	22.00
10	16QAM	1	49	20.93	21.00	20.99	22.00
10	16QAM	25	0	19.93	20.03	20.00	21.00
10	16QAM	25	12	19.79	19.95	19.95	21.00
10	16QAM	25	25	19.89	20.07	19.95	21.00
10	16QAM	50	0	19.68	19.98	19.87	21.00
10	64QAM	1	0	19.77	19.83	19.77	21.00
10	64QAM	1	25	19.82	20.03	19.88	21.00
10	64QAM	1	49	19.79	19.99	19.84	21.00
10	64QAM	25	0	18.97	19.03	18.88	20.00
10	64QAM	25	12	18.81	18.91	18.95	20.00
10	64QAM	25	25	18.85	18.89	18.88	20.00
10	64QAM	50	0	18.98	19.11	18.88	20.00
10	256QAM	1	0	16.80	16.97	16.87	18.00
10	256QAM	1	25	16.87	16.92	16.89	18.00
10	256QAM	1	49	16.98	17.01	16.97	18.00
10	256QAM	25	0	16.89	17.01	16.83	18.00
10	256QAM	25	12	16.69	16.80	16.79	18.00
10	256QAM	25	25	16.83	16.89	16.86	18.00
10	256QAM	50	0	16.98	17.12	16.94	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.09	22.08	22.00	23.00
5	QPSK	1	12	21.73	21.81	21.69	23.00
5	QPSK	1	24	21.65	21.88	21.71	23.00
5	QPSK	12	0	21.14	21.12	21.14	22.00
5	QPSK	12	7	20.98	21.12	20.93	22.00
5	QPSK	12	13	20.87	21.04	20.84	22.00
5	QPSK	25	0	20.90	21.07	20.87	22.00
5	16QAM	1	0	20.78	20.90	20.85	22.00
5	16QAM	1	12	20.98	21.02	21.03	22.00
5	16QAM	1	24	21.05	21.13	20.94	22.00
5	16QAM	12	0	19.98	20.06	20.01	21.00
5	16QAM	12	7	19.83	19.93	19.88	21.00
5	16QAM	12	13	19.94	20.11	19.96	21.00
5	16QAM	25	0	19.80	19.87	19.87	21.00
5	64QAM	1	0	19.81	19.81	19.81	21.00
5	64QAM	1	12	19.85	20.06	19.86	21.00
5	64QAM	1	24	19.82	19.94	19.76	21.00
5	64QAM	12	0	18.99	18.99	18.89	20.00
5	64QAM	12	7	18.78	18.94	18.85	20.00
5	64QAM	12	13	18.92	18.96	18.94	20.00
5	64QAM	25	0	19.04	19.04	18.89	20.00



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5	256QAM	1	0	16.88	16.92	16.86	18.00
5	256QAM	1	12	16.85	16.83	16.85	18.00
5	256QAM	1	24	16.99	16.99	16.84	18.00
5	256QAM	12	0	16.86	16.98	16.90	18.00
5	256QAM	12	7	16.75	16.93	16.76	18.00
5	256QAM	12	13	16.83	17.01	16.86	18.00
5	256QAM	25	0	16.90	17.10	16.95	18.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.02	22.01	22.06	23.00
3	QPSK	1	8	21.64	21.88	21.73	23.00
3	QPSK	1	14	21.65	21.86	21.68	23.00
3	QPSK	8	0	21.13	21.08	21.13	22.00
3	QPSK	8	4	20.99	21.13	21.00	22.00
3	QPSK	8	7	20.88	20.95	20.94	22.00
3	QPSK	15	0	20.96	21.09	20.90	22.00
3	16QAM	1	0	20.73	20.96	20.78	22.00
3	16QAM	1	8	20.86	21.02	20.99	22.00
3	16QAM	1	14	20.98	21.14	21.01	22.00
3	16QAM	8	0	20.05	20.12	19.94	21.00
3	16QAM	8	4	19.78	19.86	19.92	21.00
3	16QAM	8	7	19.90	20.11	19.99	21.00
3	16QAM	15	0	19.69	20.00	19.92	21.00
3	64QAM	1	0	19.76	19.85	19.80	21.00
3	64QAM	1	8	19.88	20.00	19.79	21.00
3	64QAM	1	14	19.82	19.93	19.81	21.00
3	64QAM	8	0	18.86	19.04	18.89	20.00
3	64QAM	8	4	18.73	18.93	18.94	20.00
3	64QAM	8	7	18.87	19.00	18.89	20.00
3	64QAM	15	0	18.99	19.03	18.89	20.00
3	256QAM	1	0	16.83	16.85	16.78	18.00
3	256QAM	1	8	16.79	16.96	16.91	18.00
3	256QAM	1	14	16.96	17.11	16.92	18.00
3	256QAM	8	0	16.85	17.09	16.82	18.00
3	256QAM	8	4	16.71	16.80	16.71	18.00
3	256QAM	8	7	16.83	16.87	16.90	18.00
3	256QAM	15	0	17.01	17.04	16.96	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.96	22.05	22.04	23.00
1.4	QPSK	1	3	21.72	21.87	21.65	23.00
1.4	QPSK	1	5	21.66	21.80	21.77	23.00
1.4	QPSK	3	0	22.05	22.11	22.06	23.00
1.4	QPSK	3	1	22.01	22.11	21.98	23.00
1.4	QPSK	3	3	21.94	22.03	21.94	23.00
1.4	QPSK	6	0	20.93	21.05	20.85	22.00
1.4	16QAM	1	0	20.70	20.89	20.75	22.00
1.4	16QAM	1	3	20.90	21.12	20.98	22.00
1.4	16QAM	1	5	20.99	21.13	21.03	22.00
1.4	16QAM	3	0	21.01	21.01	20.95	22.00
1.4	16QAM	3	1	20.83	20.88	20.88	22.00
1.4	16QAM	3	3	20.95	21.02	21.00	22.00
1.4	16QAM	6	0	19.81	19.88	19.96	21.00
1.4	64QAM	1	0	19.78	19.83	19.86	21.00
1.4	64QAM	1	3	19.79	19.94	19.92	21.00
1.4	64QAM	1	5	19.84	19.92	19.81	21.00
1.4	64QAM	3	0	19.94	20.00	19.91	21.00
1.4	64QAM	3	1	19.75	19.90	19.82	21.00
1.4	64QAM	3	3	19.87	19.95	19.88	21.00
1.4	64QAM	6	0	19.04	19.06	18.94	20.00
1.4	256QAM	1	0	16.78	16.90	16.81	18.00
1.4	256QAM	1	3	16.77	16.89	16.89	18.00
1.4	256QAM	1	5	17.05	17.00	16.87	18.00
1.4	256QAM	3	0	16.92	16.98	16.89	18.00
1.4	256QAM	3	1	16.72	16.84	16.73	18.00
1.4	256QAM	3	3	16.85	16.93	16.90	18.00
1.4	256QAM	6	0	16.90	17.07	16.90	18.00

【LTE Band 66_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	



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Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.11	22.16	22.14	23.00
20	QPSK	1	49	21.78	21.93	21.79	23.00
20	QPSK	1	99	21.79	21.92	21.81	23.00
20	QPSK	50	0	21.16	21.19	21.18	22.00
20	QPSK	50	24	21.09	21.15	21.04	22.00
20	QPSK	50	50	20.98	21.06	20.98	22.00
20	QPSK	100	0	21.03	21.12	20.98	22.00
20	16QAM	1	0	20.80	20.99	20.89	22.00
20	16QAM	1	49	21.00	21.15	21.06	22.00
20	16QAM	1	99	21.08	21.15	21.08	22.00
20	16QAM	50	0	20.07	20.14	20.04	21.00
20	16QAM	50	24	19.86	20.00	19.97	21.00
20	16QAM	50	50	20.04	20.15	20.10	21.00
20	16QAM	100	0	19.83	20.02	19.98	21.00
20	64QAM	1	0	19.84	19.95	19.89	21.00
20	64QAM	1	49	19.89	20.08	19.93	21.00
20	64QAM	1	99	19.89	20.03	19.88	21.00
20	64QAM	50	0	19.00	19.12	19.01	20.00
20	64QAM	50	24	18.87	19.03	18.96	20.00
20	64QAM	50	50	18.96	19.02	18.98	20.00
20	64QAM	100	0	19.07	19.15	19.00	20.00
20	256QAM	1	0	16.90	16.99	16.93	18.00
20	256QAM	1	49	16.90	16.98	16.92	18.00
20	256QAM	1	99	17.08	17.13	16.98	18.00
20	256QAM	50	0	16.93	17.11	16.96	18.00
20	256QAM	50	24	16.79	16.94	16.84	18.00
20	256QAM	50	50	16.89	17.02	16.98	18.00
20	256QAM	100	0	17.03	17.17	17.03	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.97	22.05	22.05	23.00
15	QPSK	1	37	21.70	21.80	21.71	23.00
15	QPSK	1	74	21.69	21.82	21.80	23.00
15	QPSK	36	0	21.02	21.08	21.06	22.00
15	QPSK	36	20	20.96	21.07	20.98	22.00
15	QPSK	36	39	20.93	20.98	20.87	22.00
15	QPSK	75	0	20.99	21.01	20.85	22.00
15	16QAM	1	0	20.70	20.85	20.79	22.00
15	16QAM	1	37	20.96	21.04	20.95	22.00
15	16QAM	1	74	20.95	21.13	20.96	22.00
15	16QAM	36	0	19.98	20.08	19.94	21.00
15	16QAM	36	20	19.76	19.95	19.84	21.00
15	16QAM	36	39	20.01	20.09	20.08	21.00
15	16QAM	75	0	19.80	19.88	19.89	21.00
15	64QAM	1	0	19.69	19.88	19.80	21.00
15	64QAM	1	37	19.76	20.03	19.81	21.00
15	64QAM	1	74	19.85	19.89	19.85	21.00
15	64QAM	36	0	18.94	19.04	18.94	20.00
15	64QAM	36	20	18.72	18.90	18.93	20.00
15	64QAM	36	39	18.90	18.96	18.86	20.00
15	64QAM	75	0	18.93	19.14	18.98	20.00
15	256QAM	1	0	16.85	16.87	16.80	18.00
15	256QAM	1	37	16.88	16.96	16.87	18.00
15	256QAM	1	74	17.03	17.10	16.90	18.00
15	256QAM	36	0	16.90	16.97	16.84	18.00
15	256QAM	36	20	16.64	16.86	16.76	18.00
15	256QAM	36	39	16.74	16.92	16.84	18.00
15	256QAM	75	0	17.00	17.16	17.01	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.03	22.03	22.12	23.00
10	QPSK	1	25	21.70	21.78	21.75	23.00
10	QPSK	1	49	21.75	21.87	21.75	23.00
10	QPSK	25	0	21.07	21.12	21.16	22.00
10	QPSK	25	12	21.06	21.14	20.96	22.00
10	QPSK	25	25	20.90	20.96	20.93	22.00
10	QPSK	50	0	20.95	21.06	20.94	22.00
10	16QAM	1	0	20.70	20.90	20.75	22.00
10	16QAM	1	25	20.98	21.01	20.93	22.00
10	16QAM	1	49	20.93	21.00	20.99	22.00
10	16QAM	25	0	19.93	20.03	20.00	21.00
10	16QAM	25	12	19.79	19.95	19.95	21.00
10	16QAM	25	25	19.89	20.07	19.95	21.00
10	16QAM	50	0	19.68	19.98	19.87	21.00
10	64QAM	1	0	19.77	19.83	19.77	21.00
10	64QAM	1	25	19.82	20.03	19.88	21.00
10	64QAM	1	49	19.79	19.99	19.84	21.00



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10	64QAM	25	0	18.97	19.03	18.88	20.00
10	64QAM	25	12	18.81	18.91	18.95	20.00
10	64QAM	25	25	18.85	18.89	18.88	20.00
10	64QAM	50	0	18.98	19.11	18.88	20.00
10	256QAM	1	0	16.80	16.97	16.87	18.00
10	256QAM	1	25	16.87	16.92	16.89	18.00
10	256QAM	1	49	16.98	17.01	16.97	18.00
10	256QAM	25	0	16.89	17.01	16.83	18.00
10	256QAM	25	12	16.69	16.80	16.79	18.00
10	256QAM	25	25	16.83	16.89	16.86	18.00
10	256QAM	50	0	16.98	17.12	16.94	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.09	22.08	22.00	23.00
5	QPSK	1	12	21.73	21.81	21.69	23.00
5	QPSK	1	24	21.65	21.88	21.71	23.00
5	QPSK	12	0	21.14	21.12	21.14	22.00
5	QPSK	12	7	20.98	21.12	20.93	22.00
5	QPSK	12	13	20.87	21.04	20.84	22.00
5	QPSK	25	0	20.90	21.07	20.87	22.00
5	16QAM	1	0	20.78	20.90	20.85	22.00
5	16QAM	1	12	20.98	21.02	21.03	22.00
5	16QAM	1	24	21.05	21.13	20.94	22.00
5	16QAM	12	0	19.98	20.06	20.01	21.00
5	16QAM	12	7	19.83	19.93	19.88	21.00
5	16QAM	12	13	19.94	20.11	19.96	21.00
5	16QAM	25	0	19.80	19.87	19.87	21.00
5	64QAM	1	0	19.81	19.81	19.81	21.00
5	64QAM	1	12	19.85	20.06	19.86	21.00
5	64QAM	1	24	19.82	19.94	19.76	21.00
5	64QAM	12	0	18.99	18.99	18.89	20.00
5	64QAM	12	7	18.78	18.94	18.85	20.00
5	64QAM	12	13	18.92	18.96	18.94	20.00
5	64QAM	25	0	19.04	19.04	18.89	20.00
5	256QAM	1	0	16.88	16.92	16.86	18.00
5	256QAM	1	12	16.85	16.83	16.85	18.00
5	256QAM	1	24	16.99	16.99	16.84	18.00
5	256QAM	12	0	16.86	16.98	16.90	18.00
5	256QAM	12	7	16.75	16.93	16.76	18.00
5	256QAM	12	13	16.83	17.01	16.86	18.00
5	256QAM	25	0	16.90	17.10	16.95	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.02	22.01	22.06	23.00
3	QPSK	1	8	21.64	21.88	21.73	23.00
3	QPSK	1	14	21.65	21.86	21.68	23.00
3	QPSK	8	0	21.13	21.08	21.13	22.00
3	QPSK	8	4	20.99	21.13	21.00	22.00
3	QPSK	8	7	20.88	20.95	20.94	22.00
3	QPSK	15	0	20.96	21.09	20.90	22.00
3	16QAM	1	0	20.73	20.96	20.78	22.00
3	16QAM	1	8	20.86	21.02	20.99	22.00
3	16QAM	1	14	20.98	21.14	21.01	22.00
3	16QAM	8	0	20.05	20.12	19.94	21.00
3	16QAM	8	4	19.78	19.86	19.92	21.00
3	16QAM	8	7	19.90	20.11	19.99	21.00
3	16QAM	15	0	19.69	20.00	19.92	21.00
3	64QAM	1	0	19.76	19.85	19.80	21.00
3	64QAM	1	8	19.88	20.00	19.79	21.00
3	64QAM	1	14	19.82	19.93	19.81	21.00
3	64QAM	8	0	18.86	19.04	18.89	20.00
3	64QAM	8	4	18.73	18.93	18.94	20.00
3	64QAM	8	7	18.87	19.00	18.89	20.00
3	64QAM	15	0	18.99	19.03	18.89	20.00
3	256QAM	1	0	16.83	16.85	16.78	18.00
3	256QAM	1	8	16.79	16.96	16.91	18.00
3	256QAM	1	14	16.96	17.11	16.92	18.00
3	256QAM	8	0	16.85	17.09	16.82	18.00
3	256QAM	8	4	16.71	16.80	16.71	18.00
3	256QAM	8	7	16.83	16.87	16.90	18.00
3	256QAM	15	0	17.01	17.04	16.96	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.96	22.05	22.04	23.00
1.4	QPSK	1	3	21.72	21.87	21.65	23.00
1.4	QPSK	1	5	21.66	21.80	21.77	23.00
1.4	QPSK	3	0	22.05	22.11	22.06	23.00
1.4	QPSK	3	1	22.01	22.11	21.98	23.00



1.4	QPSK	3	3	21.94	22.03	21.94	23.00
1.4	QPSK	6	0	20.93	21.05	20.85	22.00
1.4	16QAM	1	0	20.70	20.89	20.75	22.00
1.4	16QAM	1	3	20.90	21.12	20.98	22.00
1.4	16QAM	1	5	20.99	21.13	21.03	22.00
1.4	16QAM	3	0	21.01	21.01	20.95	22.00
1.4	16QAM	3	1	20.83	20.88	20.88	22.00
1.4	16QAM	3	3	20.95	21.02	21.00	22.00
1.4	16QAM	6	0	19.81	19.88	19.96	21.00
1.4	64QAM	1	0	19.78	19.83	19.86	21.00
1.4	64QAM	1	3	19.79	19.94	19.92	21.00
1.4	64QAM	1	5	19.84	19.92	19.81	21.00
1.4	64QAM	3	0	19.94	20.00	19.91	21.00
1.4	64QAM	3	1	19.75	19.90	19.82	21.00
1.4	64QAM	3	3	19.87	19.95	19.88	21.00
1.4	64QAM	6	0	19.04	19.06	18.94	20.00
1.4	256QAM	1	0	16.78	16.90	16.81	18.00
1.4	256QAM	1	3	16.77	16.89	16.89	18.00
1.4	256QAM	1	5	17.05	17.00	16.87	18.00
1.4	256QAM	3	0	16.92	16.98	16.89	18.00
1.4	256QAM	3	1	16.72	16.84	16.73	18.00
1.4	256QAM	3	3	16.85	16.93	16.90	18.00
1.4	256QAM	6	0	16.90	17.07	16.90	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.97	20.01	19.95	20.80
20	QPSK	1	49	19.71	19.77	19.58	20.80
20	QPSK	1	99	19.78	19.85	19.75	20.80
20	QPSK	50	0	19.72	19.78	19.69	20.80
20	QPSK	50	24	19.68	19.76	19.62	20.80
20	QPSK	50	50	19.61	19.72	19.63	20.80
20	QPSK	100	0	19.71	19.77	19.62	20.80
20	16QAM	1	0	19.62	19.78	19.67	20.80
20	16QAM	1	49	19.73	19.79	19.58	20.80
20	16QAM	1	99	19.84	19.90	19.73	20.80
20	16QAM	50	0	19.73	19.83	19.67	20.80
20	16QAM	50	24	19.58	19.77	19.69	20.80
20	16QAM	50	50	19.69	19.86	19.78	20.80
20	16QAM	100	0	19.67	19.85	19.65	20.80
20	64QAM	1	0	19.76	19.84	19.65	20.80
20	64QAM	1	49	19.71	19.77	19.58	20.80
20	64QAM	1	99	19.67	19.74	19.60	20.80
20	64QAM	50	0	18.72	18.83	18.71	20.00
20	64QAM	50	24	18.78	18.89	18.81	20.00
20	64QAM	50	50	18.57	18.76	18.63	20.00
20	64QAM	100	0	18.64	18.81	18.65	20.00
20	256QAM	1	0	16.65	16.81	16.65	18.00
20	256QAM	1	49	16.60	16.77	16.64	18.00
20	256QAM	1	99	16.66	16.74	16.65	18.00
20	256QAM	50	0	16.70	16.83	16.75	18.00
20	256QAM	50	24	16.68	16.79	16.69	18.00
20	256QAM	50	50	16.70	16.87	16.77	18.00
20	256QAM	100	0	16.64	16.75	16.59	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.84	19.98	19.85	20.80
15	QPSK	1	37	19.69	19.67	19.46	20.80
15	QPSK	1	74	19.64	19.77	19.61	20.80
15	QPSK	36	0	19.61	19.77	19.59	20.80
15	QPSK	36	20	19.55	19.67	19.61	20.80
15	QPSK	36	39	19.54	19.60	19.56	20.80
15	QPSK	75	0	19.64	19.64	19.54	20.80
15	16QAM	1	0	19.57	19.67	19.60	20.80
15	16QAM	1	37	19.70	19.75	19.56	20.80
15	16QAM	1	74	19.74	19.79	19.63	20.80
15	16QAM	36	0	19.61	19.82	19.65	20.80
15	16QAM	36	20	19.47	19.64	19.61	20.80
15	16QAM	36	39	19.62	19.75	19.68	20.80



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15	16QAM	75	0	19.55	19.78	19.60	20.80
15	64QAM	1	0	19.69	19.74	19.53	20.80
15	64QAM	1	37	19.60	19.63	19.49	20.80
15	64QAM	1	74	19.61	19.60	19.49	20.80
15	64QAM	36	0	18.61	18.82	18.59	20.00
15	64QAM	36	20	18.68	18.88	18.79	20.00
15	64QAM	36	39	18.48	18.73	18.54	20.00
15	64QAM	75	0	18.52	18.79	18.62	20.00
15	256QAM	1	0	16.60	16.79	16.51	18.00
15	256QAM	1	37	16.52	16.63	16.51	18.00
15	256QAM	1	74	16.54	16.61	16.53	18.00
15	256QAM	36	0	16.66	16.82	16.69	18.00
15	256QAM	36	20	16.57	16.67	16.58	18.00
15	256QAM	36	39	16.57	16.81	16.63	18.00
15	256QAM	75	0	16.61	16.73	16.52	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	19.93	19.88	19.88	20.80
10	QPSK	1	25	19.65	19.67	19.57	20.80
10	QPSK	1	49	19.69	19.81	19.62	20.80
10	QPSK	25	0	19.66	19.66	19.66	20.80
10	QPSK	25	12	19.53	19.66	19.52	20.80
10	QPSK	25	25	19.50	19.69	19.61	20.80
10	QPSK	50	0	19.63	19.72	19.58	20.80
10	16QAM	1	0	19.61	19.70	19.62	20.80
10	16QAM	1	25	19.70	19.72	19.52	20.80
10	16QAM	1	49	19.73	19.78	19.69	20.80
10	16QAM	25	0	19.67	19.75	19.61	20.80
10	16QAM	25	12	19.49	19.63	19.59	20.80
10	16QAM	25	25	19.62	19.80	19.67	20.80
10	16QAM	50	0	19.54	19.75	19.57	20.80
10	64QAM	1	0	19.73	19.76	19.59	20.80
10	64QAM	1	25	19.57	19.66	19.52	20.80
10	64QAM	1	49	19.58	19.70	19.59	20.80
10	64QAM	25	0	18.61	18.78	18.59	20.00
10	64QAM	25	12	18.71	18.78	18.70	20.00
10	64QAM	25	25	18.53	18.67	18.58	20.00
10	64QAM	50	0	18.49	18.68	18.63	20.00
10	256QAM	1	0	16.50	16.72	16.53	18.00
10	256QAM	1	25	16.49	16.62	16.59	18.00
10	256QAM	1	49	16.54	16.60	16.57	18.00
10	256QAM	25	0	16.56	16.73	16.66	18.00
10	256QAM	25	12	16.61	16.67	16.58	18.00
10	256QAM	25	25	16.65	16.82	16.65	18.00
10	256QAM	50	0	16.56	16.66	16.56	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	19.94	19.98	19.88	20.80
5	QPSK	1	12	19.63	19.64	19.46	20.80
5	QPSK	1	24	19.69	19.81	19.63	20.80
5	QPSK	12	0	19.58	19.76	19.68	20.80
5	QPSK	12	7	19.64	19.70	19.47	20.80
5	QPSK	12	13	19.60	19.57	19.50	20.80
5	QPSK	25	0	19.63	19.73	19.56	20.80
5	16QAM	1	0	19.58	19.68	19.64	20.80
5	16QAM	1	12	19.71	19.66	19.51	20.80
5	16QAM	1	24	19.74	19.88	19.65	20.80
5	16QAM	12	0	19.63	19.74	19.52	20.80
5	16QAM	12	7	19.54	19.68	19.61	20.80
5	16QAM	12	13	19.59	19.73	19.74	20.80
5	16QAM	25	0	19.57	19.73	19.53	20.80
5	64QAM	1	0	19.69	19.82	19.50	20.80
5	64QAM	1	12	19.64	19.62	19.54	20.80
5	64QAM	1	24	19.55	19.69	19.56	20.80
5	64QAM	12	0	18.62	18.72	18.58	20.00
5	64QAM	12	7	18.63	18.86	18.76	20.00
5	64QAM	12	13	18.54	18.68	18.61	20.00
5	64QAM	25	0	18.53	18.74	18.53	20.00
5	256QAM	1	0	16.52	16.72	16.52	18.00
5	256QAM	1	12	16.57	16.63	16.50	18.00
5	256QAM	1	24	16.61	16.73	16.58	18.00
5	256QAM	12	0	16.69	16.71	16.60	18.00
5	256QAM	12	7	16.59	16.72	16.65	18.00
5	256QAM	12	13	16.55	16.84	16.67	18.00
5	256QAM	25	0	16.57	16.70	16.47	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.85	19.98	19.91	20.80



3	QPSK	1	8	19.59	19.69	19.52	20.80
3	QPSK	1	14	19.71	19.83	19.67	20.80
3	QPSK	8	0	19.57	19.66	19.55	20.80
3	QPSK	8	4	19.66	19.66	19.49	20.80
3	QPSK	8	7	19.56	19.67	19.59	20.80
3	QPSK	15	0	19.69	19.70	19.52	20.80
3	16QAM	1	0	19.60	19.77	19.66	20.80
3	16QAM	1	8	19.61	19.76	19.45	20.80
3	16QAM	1	14	19.80	19.84	19.63	20.80
3	16QAM	8	0	19.64	19.75	19.63	20.80
3	16QAM	8	4	19.45	19.63	19.59	20.80
3	16QAM	8	7	19.67	19.74	19.73	20.80
3	16QAM	15	0	19.60	19.76	19.53	20.80
3	64QAM	1	0	19.66	19.72	19.56	20.80
3	64QAM	1	8	19.56	19.62	19.51	20.80
3	64QAM	1	14	19.53	19.63	19.58	20.80
3	64QAM	8	0	18.60	18.70	18.69	20.00
3	64QAM	8	4	18.68	18.82	18.75	20.00
3	64QAM	8	7	18.53	18.71	18.56	20.00
3	64QAM	15	0	18.62	18.70	18.51	20.00
3	256QAM	1	0	16.53	16.77	16.52	18.00
3	256QAM	1	8	16.56	16.75	16.61	18.00
3	256QAM	1	14	16.56	16.72	16.52	18.00
3	256QAM	8	0	16.58	16.72	16.71	18.00
3	256QAM	8	4	16.62	16.65	16.59	18.00
3	256QAM	8	7	16.55	16.74	16.74	18.00
3	256QAM	15	0	16.51	16.67	16.51	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.83	19.99	19.94	20.80
1.4	QPSK	1	3	19.63	19.73	19.45	20.80
1.4	QPSK	1	5	19.73	19.78	19.70	20.80
1.4	QPSK	3	0	19.63	19.66	19.68	20.80
1.4	QPSK	3	1	19.55	19.63	19.55	20.80
1.4	QPSK	3	3	19.51	19.70	19.61	20.80
1.4	QPSK	6	0	19.58	19.75	19.53	20.80
1.4	16QAM	1	0	19.50	19.72	19.56	20.80
1.4	16QAM	1	3	19.64	19.69	19.55	20.80
1.4	16QAM	1	5	19.81	19.80	19.71	20.80
1.4	16QAM	3	0	19.68	19.70	19.63	20.80
1.4	16QAM	3	1	19.54	19.68	19.67	20.80
1.4	16QAM	3	3	19.67	19.77	19.75	20.80
1.4	16QAM	6	0	19.62	19.75	19.63	20.80
1.4	64QAM	1	0	19.63	19.74	19.56	20.80
1.4	64QAM	1	3	19.62	19.75	19.53	20.80
1.4	64QAM	1	5	19.58	19.65	19.51	20.80
1.4	64QAM	3	0	19.62	19.68	19.56	20.80
1.4	64QAM	3	1	19.70	19.81	19.80	20.80
1.4	64QAM	3	3	19.56	19.66	19.49	20.80
1.4	64QAM	6	0	18.49	18.74	18.62	20.00
1.4	256QAM	1	0	16.59	16.75	16.54	18.00
1.4	256QAM	1	3	16.50	16.62	16.58	18.00
1.4	256QAM	1	5	16.58	16.70	16.53	18.00
1.4	256QAM	3	0	16.64	16.80	16.60	18.00
1.4	256QAM	3	1	16.57	16.64	16.62	18.00
1.4	256QAM	3	3	16.68	16.85	16.71	18.00
1.4	256QAM	6	0	16.50	16.61	16.44	18.00

【LTE Band 66_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.11	22.16	22.14	23.00
20	QPSK	1	49	21.78	21.93	21.79	23.00
20	QPSK	1	99	21.79	21.92	21.81	23.00
20	QPSK	50	0	21.16	21.19	21.18	22.00
20	QPSK	50	24	21.09	21.15	21.04	22.00
20	QPSK	50	50	20.98	21.06	20.98	22.00
20	QPSK	100	0	21.03	21.12	20.98	22.00
20	16QAM	1	0	20.80	20.99	20.89	22.00
20	16QAM	1	49	21.00	21.15	21.06	22.00



20	16QAM	1	99	21.08	21.15	21.08	22.00
20	16QAM	50	0	20.07	20.14	20.04	21.00
20	16QAM	50	24	19.86	20.00	19.97	21.00
20	16QAM	50	50	20.04	20.15	20.10	21.00
20	16QAM	100	0	19.83	20.02	19.98	21.00
20	64QAM	1	0	19.84	19.95	19.89	21.00
20	64QAM	1	49	19.89	20.08	19.93	21.00
20	64QAM	1	99	19.89	20.03	19.88	21.00
20	64QAM	50	0	19.00	19.12	19.01	20.00
20	64QAM	50	24	18.87	19.03	18.96	20.00
20	64QAM	50	50	18.96	19.02	18.98	20.00
20	64QAM	100	0	19.07	19.15	19.00	20.00
20	256QAM	1	0	16.90	16.99	16.93	18.00
20	256QAM	1	49	16.90	16.98	16.92	18.00
20	256QAM	1	99	17.08	17.13	16.98	18.00
20	256QAM	50	0	16.93	17.11	16.96	18.00
20	256QAM	50	24	16.79	16.94	16.84	18.00
20	256QAM	50	50	16.89	17.02	16.98	18.00
20	256QAM	100	0	17.03	17.17	17.03	18.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.97	22.05	22.05	23.00
15	QPSK	1	37	21.70	21.80	21.71	23.00
15	QPSK	1	74	21.69	21.82	21.80	23.00
15	QPSK	36	0	21.02	21.08	21.06	22.00
15	QPSK	36	20	20.96	21.07	20.98	22.00
15	QPSK	36	39	20.93	20.98	20.87	22.00
15	QPSK	75	0	20.99	21.01	20.85	22.00
15	16QAM	1	0	20.70	20.85	20.79	22.00
15	16QAM	1	37	20.96	21.04	20.95	22.00
15	16QAM	1	74	20.95	21.13	20.96	22.00
15	16QAM	36	0	19.98	20.08	19.94	21.00
15	16QAM	36	20	19.76	19.95	19.84	21.00
15	16QAM	36	39	20.01	20.09	20.08	21.00
15	16QAM	75	0	19.80	19.88	19.89	21.00
15	64QAM	1	0	19.69	19.88	19.80	21.00
15	64QAM	1	37	19.76	20.03	19.81	21.00
15	64QAM	1	74	19.85	19.89	19.85	21.00
15	64QAM	36	0	18.94	19.04	18.94	20.00
15	64QAM	36	20	18.72	18.90	18.93	20.00
15	64QAM	36	39	18.90	18.96	18.86	20.00
15	64QAM	75	0	18.93	19.14	18.98	20.00
15	256QAM	1	0	16.85	16.87	16.80	18.00
15	256QAM	1	37	16.88	16.96	16.87	18.00
15	256QAM	1	74	17.03	17.10	16.90	18.00
15	256QAM	36	0	16.90	16.97	16.84	18.00
15	256QAM	36	20	16.64	16.86	16.76	18.00
15	256QAM	36	39	16.74	16.92	16.84	18.00
15	256QAM	75	0	17.00	17.16	17.01	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.03	22.03	22.12	23.00
10	QPSK	1	25	21.70	21.78	21.75	23.00
10	QPSK	1	49	21.75	21.87	21.75	23.00
10	QPSK	25	0	21.07	21.12	21.16	22.00
10	QPSK	25	12	21.06	21.14	20.96	22.00
10	QPSK	25	25	20.90	20.96	20.93	22.00
10	QPSK	50	0	20.95	21.06	20.94	22.00
10	16QAM	1	0	20.70	20.90	20.75	22.00
10	16QAM	1	25	20.98	21.01	20.93	22.00
10	16QAM	1	49	20.93	21.00	20.99	22.00
10	16QAM	25	0	19.93	20.03	20.00	21.00
10	16QAM	25	12	19.79	19.95	19.95	21.00
10	16QAM	25	25	19.89	20.07	19.95	21.00
10	16QAM	50	0	19.68	19.98	19.87	21.00
10	64QAM	1	0	19.77	19.83	19.77	21.00
10	64QAM	1	25	19.82	20.03	19.88	21.00
10	64QAM	1	49	19.79	19.99	19.84	21.00
10	64QAM	25	0	18.97	19.03	18.88	20.00
10	64QAM	25	12	18.81	18.91	18.95	20.00
10	64QAM	25	25	18.85	18.89	18.88	20.00
10	64QAM	50	0	18.98	19.11	18.88	20.00
10	256QAM	1	0	16.80	16.97	16.87	18.00
10	256QAM	1	25	16.87	16.92	16.89	18.00
10	256QAM	1	49	16.98	17.01	16.97	18.00
10	256QAM	25	0	16.89	17.01	16.83	18.00
10	256QAM	25	12	16.69	16.80	16.79	18.00
10	256QAM	25	25	16.83	16.89	16.86	18.00



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10	256QAM	50	0	16.98	17.12	16.94	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.09	22.08	22.00	23.00
5	QPSK	1	12	21.73	21.81	21.69	23.00
5	QPSK	1	24	21.65	21.88	21.71	23.00
5	QPSK	12	0	21.14	21.12	21.14	22.00
5	QPSK	12	7	20.98	21.12	20.93	22.00
5	QPSK	12	13	20.87	21.04	20.84	22.00
5	QPSK	25	0	20.90	21.07	20.87	22.00
5	16QAM	1	0	20.78	20.90	20.85	22.00
5	16QAM	1	12	20.98	21.02	21.03	22.00
5	16QAM	1	24	21.05	21.13	20.94	22.00
5	16QAM	12	0	19.98	20.06	20.01	21.00
5	16QAM	12	7	19.83	19.93	19.88	21.00
5	16QAM	12	13	19.94	20.11	19.96	21.00
5	16QAM	25	0	19.80	19.87	19.87	21.00
5	64QAM	1	0	19.81	19.81	19.81	21.00
5	64QAM	1	12	19.85	20.06	19.86	21.00
5	64QAM	1	24	19.82	19.94	19.76	21.00
5	64QAM	12	0	18.99	18.99	18.89	20.00
5	64QAM	12	7	18.78	18.94	18.85	20.00
5	64QAM	12	13	18.92	18.96	18.94	20.00
5	64QAM	25	0	19.04	19.04	18.89	20.00
5	256QAM	1	0	16.88	16.92	16.86	18.00
5	256QAM	1	12	16.85	16.83	16.85	18.00
5	256QAM	1	24	16.99	16.99	16.84	18.00
5	256QAM	12	0	16.86	16.98	16.90	18.00
5	256QAM	12	7	16.75	16.93	16.76	18.00
5	256QAM	12	13	16.83	17.01	16.86	18.00
5	256QAM	25	0	16.90	17.10	16.95	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.02	22.01	22.06	23.00
3	QPSK	1	8	21.64	21.88	21.73	23.00
3	QPSK	1	14	21.65	21.86	21.68	23.00
3	QPSK	8	0	21.13	21.08	21.13	22.00
3	QPSK	8	4	20.99	21.13	21.00	22.00
3	QPSK	8	7	20.88	20.95	20.94	22.00
3	QPSK	15	0	20.96	21.09	20.90	22.00
3	16QAM	1	0	20.73	20.96	20.78	22.00
3	16QAM	1	8	20.86	21.02	20.99	22.00
3	16QAM	1	14	20.98	21.14	21.01	22.00
3	16QAM	8	0	20.05	20.12	19.94	21.00
3	16QAM	8	4	19.78	19.86	19.92	21.00
3	16QAM	8	7	19.90	20.11	19.99	21.00
3	16QAM	15	0	19.69	20.00	19.92	21.00
3	64QAM	1	0	19.76	19.85	19.80	21.00
3	64QAM	1	8	19.88	20.00	19.79	21.00
3	64QAM	1	14	19.82	19.93	19.81	21.00
3	64QAM	8	0	18.86	19.04	18.89	20.00
3	64QAM	8	4	18.73	18.93	18.94	20.00
3	64QAM	8	7	18.87	19.00	18.89	20.00
3	64QAM	15	0	18.99	19.03	18.89	20.00
3	256QAM	1	0	16.83	16.85	16.78	18.00
3	256QAM	1	8	16.79	16.96	16.91	18.00
3	256QAM	1	14	16.96	17.11	16.92	18.00
3	256QAM	8	0	16.85	17.09	16.82	18.00
3	256QAM	8	4	16.71	16.80	16.71	18.00
3	256QAM	8	7	16.83	16.87	16.90	18.00
3	256QAM	15	0	17.01	17.04	16.96	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.96	22.05	22.04	23.00
1.4	QPSK	1	3	21.72	21.87	21.65	23.00
1.4	QPSK	1	5	21.66	21.80	21.77	23.00
1.4	QPSK	3	0	22.05	22.11	22.06	23.00
1.4	QPSK	3	1	22.01	22.11	21.98	23.00
1.4	QPSK	3	3	21.94	22.03	21.94	23.00
1.4	QPSK	6	0	20.93	21.05	20.85	22.00
1.4	16QAM	1	0	20.70	20.89	20.75	22.00
1.4	16QAM	1	3	20.90	21.12	20.98	22.00
1.4	16QAM	1	5	20.99	21.13	21.03	22.00
1.4	16QAM	3	0	21.01	21.01	20.95	22.00
1.4	16QAM	3	1	20.83	20.88	20.88	22.00
1.4	16QAM	3	3	20.95	21.02	21.00	22.00
1.4	16QAM	6	0	19.81	19.88	19.96	21.00
1.4	64QAM	1	0	19.78	19.83	19.86	21.00



1.4	64QAM	1	3	19.79	19.94	19.92	21.00
1.4	64QAM	1	5	19.84	19.92	19.81	21.00
1.4	64QAM	3	0	19.94	20.00	19.91	21.00
1.4	64QAM	3	1	19.75	19.90	19.82	21.00
1.4	64QAM	3	3	19.87	19.95	19.88	21.00
1.4	64QAM	6	0	19.04	19.06	18.94	20.00
1.4	256QAM	1	0	16.78	16.90	16.81	18.00
1.4	256QAM	1	3	16.77	16.89	16.89	18.00
1.4	256QAM	1	5	17.05	17.00	16.87	18.00
1.4	256QAM	3	0	16.92	16.98	16.89	18.00
1.4	256QAM	3	1	16.72	16.84	16.73	18.00
1.4	256QAM	3	3	16.85	16.93	16.90	18.00
1.4	256QAM	6	0	16.90	17.07	16.90	18.00

【LTE Band 66_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.11	22.16	22.14	23.00
20	QPSK	1	49	21.78	21.93	21.79	23.00
20	QPSK	1	99	21.79	21.92	21.81	23.00
20	QPSK	50	0	21.16	21.19	21.18	22.00
20	QPSK	50	24	21.09	21.15	21.04	22.00
20	QPSK	50	50	20.98	21.06	20.98	22.00
20	QPSK	100	0	21.03	21.12	20.98	22.00
20	16QAM	1	0	20.80	20.99	20.89	22.00
20	16QAM	1	49	21.00	21.15	21.06	22.00
20	16QAM	1	99	21.08	21.15	21.08	22.00
20	16QAM	50	0	20.07	20.14	20.04	21.00
20	16QAM	50	24	19.86	20.00	19.97	21.00
20	16QAM	50	50	20.04	20.15	20.10	21.00
20	16QAM	100	0	19.83	20.02	19.98	21.00
20	64QAM	1	0	19.84	19.95	19.89	21.00
20	64QAM	1	49	19.89	20.08	19.93	21.00
20	64QAM	1	99	19.89	20.03	19.88	21.00
20	64QAM	50	0	19.00	19.12	19.01	20.00
20	64QAM	50	24	18.87	19.03	18.96	20.00
20	64QAM	50	50	18.96	19.02	18.98	20.00
20	64QAM	100	0	19.07	19.15	19.00	20.00
20	256QAM	1	0	16.90	16.99	16.93	18.00
20	256QAM	1	49	16.90	16.98	16.92	18.00
20	256QAM	1	99	17.08	17.13	16.98	18.00
20	256QAM	50	0	16.93	17.11	16.96	18.00
20	256QAM	50	24	16.79	16.94	16.84	18.00
20	256QAM	50	50	16.89	17.02	16.98	18.00
20	256QAM	100	0	17.03	17.17	17.03	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.97	22.05	22.05	23.00
15	QPSK	1	37	21.70	21.80	21.71	23.00
15	QPSK	1	74	21.69	21.82	21.80	23.00
15	QPSK	36	0	21.02	21.08	21.06	22.00
15	QPSK	36	20	20.96	21.07	20.98	22.00
15	QPSK	36	39	20.93	20.98	20.87	22.00
15	QPSK	75	0	20.99	21.01	20.85	22.00
15	16QAM	1	0	20.70	20.85	20.79	22.00
15	16QAM	1	37	20.96	21.04	20.95	22.00
15	16QAM	1	74	20.95	21.13	20.96	22.00
15	16QAM	36	0	19.98	20.08	19.94	21.00
15	16QAM	36	20	19.76	19.95	19.84	21.00
15	16QAM	36	39	20.01	20.09	20.08	21.00
15	16QAM	75	0	19.80	19.88	19.89	21.00
15	64QAM	1	0	19.69	19.88	19.80	21.00
15	64QAM	1	37	19.76	20.03	19.81	21.00
15	64QAM	1	74	19.85	19.89	19.85	21.00
15	64QAM	36	0	18.94	19.04	18.94	20.00
15	64QAM	36	20	18.72	18.90	18.93	20.00
15	64QAM	36	39	18.90	18.96	18.86	20.00
15	64QAM	75	0	18.93	19.14	18.98	20.00
15	256QAM	1	0	16.85	16.87	16.80	18.00
15	256QAM	1	37	16.88	16.96	16.87	18.00



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15	256QAM	1	74	17.03	17.10	16.90	18.00
15	256QAM	36	0	16.90	16.97	16.84	18.00
15	256QAM	36	20	16.64	16.86	16.76	18.00
15	256QAM	36	39	16.74	16.92	16.84	18.00
15	256QAM	75	0	17.00	17.16	17.01	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.03	22.03	22.12	23.00
10	QPSK	1	25	21.70	21.78	21.75	23.00
10	QPSK	1	49	21.75	21.87	21.75	23.00
10	QPSK	25	0	21.07	21.12	21.16	22.00
10	QPSK	25	12	21.06	21.14	20.96	22.00
10	QPSK	25	25	20.90	20.96	20.93	22.00
10	QPSK	50	0	20.95	21.06	20.94	22.00
10	16QAM	1	0	20.70	20.90	20.75	22.00
10	16QAM	1	25	20.98	21.01	20.93	22.00
10	16QAM	1	49	20.93	21.00	20.99	22.00
10	16QAM	25	0	19.93	20.03	20.00	21.00
10	16QAM	25	12	19.79	19.95	19.95	21.00
10	16QAM	25	25	19.89	20.07	19.95	21.00
10	16QAM	50	0	19.68	19.98	19.87	21.00
10	64QAM	1	0	19.77	19.83	19.77	21.00
10	64QAM	1	25	19.82	20.03	19.88	21.00
10	64QAM	1	49	19.79	19.99	19.84	21.00
10	64QAM	25	0	18.97	19.03	18.88	20.00
10	64QAM	25	12	18.81	18.91	18.95	20.00
10	64QAM	25	25	18.85	18.89	18.88	20.00
10	64QAM	50	0	18.98	19.11	18.88	20.00
10	256QAM	1	0	16.80	16.97	16.87	18.00
10	256QAM	1	25	16.87	16.92	16.89	18.00
10	256QAM	1	49	16.98	17.01	16.97	18.00
10	256QAM	25	0	16.89	17.01	16.83	18.00
10	256QAM	25	12	16.69	16.80	16.79	18.00
10	256QAM	25	25	16.83	16.89	16.86	18.00
10	256QAM	50	0	16.98	17.12	16.94	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.09	22.08	22.00	23.00
5	QPSK	1	12	21.73	21.81	21.69	23.00
5	QPSK	1	24	21.65	21.88	21.71	23.00
5	QPSK	12	0	21.14	21.12	21.14	22.00
5	QPSK	12	7	20.98	21.12	20.93	22.00
5	QPSK	12	13	20.87	21.04	20.84	22.00
5	QPSK	25	0	20.90	21.07	20.87	22.00
5	16QAM	1	0	20.78	20.90	20.85	22.00
5	16QAM	1	12	20.98	21.02	21.03	22.00
5	16QAM	1	24	21.05	21.13	20.94	22.00
5	16QAM	12	0	19.98	20.06	20.01	21.00
5	16QAM	12	7	19.83	19.93	19.88	21.00
5	16QAM	12	13	19.94	20.11	19.96	21.00
5	16QAM	25	0	19.80	19.87	19.87	21.00
5	64QAM	1	0	19.81	19.81	19.81	21.00
5	64QAM	1	12	19.85	20.06	19.86	21.00
5	64QAM	1	24	19.82	19.94	19.76	21.00
5	64QAM	12	0	18.99	18.99	18.89	20.00
5	64QAM	12	7	18.78	18.94	18.85	20.00
5	64QAM	12	13	18.92	18.96	18.94	20.00
5	64QAM	25	0	19.04	19.04	18.89	20.00
5	256QAM	1	0	16.88	16.92	16.86	18.00
5	256QAM	1	12	16.85	16.83	16.85	18.00
5	256QAM	1	24	16.99	16.99	16.84	18.00
5	256QAM	12	0	16.86	16.98	16.90	18.00
5	256QAM	12	7	16.75	16.93	16.76	18.00
5	256QAM	12	13	16.83	17.01	16.86	18.00
5	256QAM	25	0	16.90	17.10	16.95	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.02	22.01	22.06	23.00
3	QPSK	1	8	21.64	21.88	21.73	23.00
3	QPSK	1	14	21.65	21.86	21.68	23.00
3	QPSK	8	0	21.13	21.08	21.13	22.00
3	QPSK	8	4	20.99	21.13	21.00	22.00
3	QPSK	8	7	20.88	20.95	20.94	22.00
3	QPSK	15	0	20.96	21.09	20.90	22.00
3	16QAM	1	0	20.73	20.96	20.78	22.00
3	16QAM	1	8	20.86	21.02	20.99	22.00
3	16QAM	1	14	20.98	21.14	21.01	22.00
3	16QAM	8	0	20.05	20.12	19.94	21.00

3	16QAM	8	4	19.78	19.86	19.92	21.00
3	16QAM	8	7	19.90	20.11	19.99	21.00
3	16QAM	15	0	19.69	20.00	19.92	21.00
3	64QAM	1	0	19.76	19.85	19.80	21.00
3	64QAM	1	8	19.88	20.00	19.79	21.00
3	64QAM	1	14	19.82	19.93	19.81	21.00
3	64QAM	8	0	18.86	19.04	18.89	20.00
3	64QAM	8	4	18.73	18.93	18.94	20.00
3	64QAM	8	7	18.87	19.00	18.89	20.00
3	64QAM	15	0	18.99	19.03	18.89	20.00
3	256QAM	1	0	16.83	16.85	16.78	18.00
3	256QAM	1	8	16.79	16.96	16.91	18.00
3	256QAM	1	14	16.96	17.11	16.92	18.00
3	256QAM	8	0	16.85	17.09	16.82	18.00
3	256QAM	8	4	16.71	16.80	16.71	18.00
3	256QAM	8	7	16.83	16.87	16.90	18.00
3	256QAM	15	0	17.01	17.04	16.96	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.96	22.05	22.04	23.00
1.4	QPSK	1	3	21.72	21.87	21.65	23.00
1.4	QPSK	1	5	21.66	21.80	21.77	23.00
1.4	QPSK	3	0	22.05	22.11	22.06	23.00
1.4	QPSK	3	1	22.01	22.11	21.98	23.00
1.4	QPSK	3	3	21.94	22.03	21.94	23.00
1.4	QPSK	6	0	20.93	21.05	20.85	22.00
1.4	16QAM	1	0	20.70	20.89	20.75	22.00
1.4	16QAM	1	3	20.90	21.12	20.98	22.00
1.4	16QAM	1	5	20.99	21.13	21.03	22.00
1.4	16QAM	3	0	21.01	21.01	20.95	22.00
1.4	16QAM	3	1	20.83	20.88	20.88	22.00
1.4	16QAM	3	3	20.95	21.02	21.00	22.00
1.4	16QAM	6	0	19.81	19.88	19.96	21.00
1.4	64QAM	1	0	19.78	19.83	19.86	21.00
1.4	64QAM	1	3	19.79	19.94	19.92	21.00
1.4	64QAM	1	5	19.84	19.92	19.81	21.00
1.4	64QAM	3	0	19.94	20.00	19.91	21.00
1.4	64QAM	3	1	19.75	19.90	19.82	21.00
1.4	64QAM	3	3	19.87	19.95	19.88	21.00
1.4	64QAM	6	0	19.04	19.06	18.94	20.00
1.4	256QAM	1	0	16.78	16.90	16.81	18.00
1.4	256QAM	1	3	16.77	16.89	16.89	18.00
1.4	256QAM	1	5	17.05	17.00	16.87	18.00
1.4	256QAM	3	0	16.92	16.98	16.89	18.00
1.4	256QAM	3	1	16.72	16.84	16.73	18.00
1.4	256QAM	3	3	16.85	16.93	16.90	18.00
1.4	256QAM	6	0	16.90	17.07	16.90	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.52	18.55	18.49	19.60
20	QPSK	1	49	18.14	18.30	18.20	19.60
20	QPSK	1	99	18.27	18.34	18.18	19.60
20	QPSK	50	0	18.39	18.42	18.32	19.60
20	QPSK	50	24	18.24	18.36	18.17	19.60
20	QPSK	50	50	18.25	18.42	18.29	19.60
20	QPSK	100	0	18.33	18.39	18.31	19.60
20	16QAM	1	0	18.35	18.39	18.19	19.60
20	16QAM	1	49	18.28	18.43	18.25	19.60
20	16QAM	1	99	18.22	18.33	18.24	19.60
20	16QAM	50	0	18.24	18.30	18.11	19.60
20	16QAM	50	24	18.20	18.36	18.17	19.60
20	16QAM	50	50	18.16	18.34	18.18	19.60
20	16QAM	100	0	18.31	18.43	18.22	19.60
20	64QAM	1	0	18.18	18.26	18.15	19.60
20	64QAM	1	49	18.35	18.39	18.31	19.60
20	64QAM	1	99	18.22	18.35	18.16	19.60
20	64QAM	50	0	18.19	18.34	18.23	19.60
20	64QAM	50	24	18.17	18.28	18.18	19.60



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20	64QAM	50	50	18.19	18.28	18.12	19.60
20	64QAM	100	0	18.21	18.30	18.15	19.60
20	256QAM	1	0	16.87	16.93	16.84	18.00
20	256QAM	1	49	16.81	16.85	16.70	18.00
20	256QAM	1	99	16.73	16.87	16.80	18.00
20	256QAM	50	0	16.71	16.84	16.66	18.00
20	256QAM	50	24	16.76	16.90	16.75	18.00
20	256QAM	50	50	16.69	16.85	16.69	18.00
20	256QAM	100	0	16.64	16.80	16.69	18.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	18.44	18.41	18.40	19.60
15	QPSK	1	37	18.00	18.18	18.07	19.60
15	QPSK	1	74	18.19	18.31	18.07	19.60
15	QPSK	36	0	18.37	18.38	18.18	19.60
15	QPSK	36	20	18.11	18.23	18.11	19.60
15	QPSK	36	39	18.17	18.28	18.27	19.60
15	QPSK	75	0	18.31	18.30	18.17	19.60
15	16QAM	1	0	18.21	18.26	18.10	19.60
15	16QAM	1	37	18.23	18.41	18.13	19.60
15	16QAM	1	74	18.14	18.22	18.12	19.60
15	16QAM	36	0	18.12	18.29	18.07	19.60
15	16QAM	36	20	18.13	18.24	18.09	19.60
15	16QAM	36	39	18.10	18.21	18.08	19.60
15	16QAM	75	0	18.24	18.31	18.16	19.60
15	64QAM	1	0	18.13	18.23	18.02	19.60
15	64QAM	1	37	18.29	18.35	18.17	19.60
15	64QAM	1	74	18.18	18.24	18.03	19.60
15	64QAM	36	0	18.13	18.26	18.21	19.60
15	64QAM	36	20	18.10	18.16	18.12	19.60
15	64QAM	36	39	18.06	18.14	18.03	19.60
15	64QAM	75	0	18.16	18.20	18.07	19.60
15	256QAM	1	0	16.84	16.88	16.78	18.00
15	256QAM	1	37	16.72	16.75	16.68	18.00
15	256QAM	1	74	16.63	16.76	16.66	18.00
15	256QAM	36	0	16.60	16.77	16.59	18.00
15	256QAM	36	20	16.72	16.85	16.67	18.00
15	256QAM	36	39	16.59	16.84	16.59	18.00
15	256QAM	75	0	16.58	16.70	16.66	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	18.42	18.40	18.46	19.60
10	QPSK	1	25	18.02	18.20	18.12	19.60
10	QPSK	1	49	18.26	18.27	18.14	19.60
10	QPSK	25	0	18.28	18.33	18.25	19.60
10	QPSK	25	12	18.17	18.25	18.14	19.60
10	QPSK	25	25	18.23	18.30	18.15	19.60
10	QPSK	50	0	18.29	18.27	18.28	19.60
10	16QAM	1	0	18.33	18.33	18.12	19.60
10	16QAM	1	25	18.25	18.42	18.18	19.60
10	16QAM	1	49	18.13	18.23	18.12	19.60
10	16QAM	25	0	18.19	18.24	18.07	19.60
10	16QAM	25	12	18.19	18.34	18.15	19.60
10	16QAM	25	25	18.09	18.19	18.10	19.60
10	16QAM	50	0	18.23	18.35	18.15	19.60
10	64QAM	1	0	18.06	18.23	18.10	19.60
10	64QAM	1	25	18.32	18.25	18.22	19.60
10	64QAM	1	49	18.09	18.21	18.09	19.60
10	64QAM	25	0	18.13	18.21	18.19	19.60
10	64QAM	25	12	18.15	18.15	18.10	19.60
10	64QAM	25	25	18.12	18.27	18.09	19.60
10	64QAM	50	0	18.15	18.25	18.04	19.60
10	256QAM	1	0	16.81	16.82	16.75	18.00
10	256QAM	1	25	16.73	16.83	16.62	18.00
10	256QAM	1	49	16.69	16.77	16.67	18.00
10	256QAM	25	0	16.67	16.76	16.55	18.00
10	256QAM	25	12	16.67	16.87	16.72	18.00
10	256QAM	25	25	16.56	16.80	16.65	18.00
10	256QAM	50	0	16.51	16.78	16.55	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	18.44	18.53	18.38	19.60
5	QPSK	1	12	18.00	18.23	18.13	19.60
5	QPSK	1	24	18.17	18.32	18.10	19.60
5	QPSK	12	0	18.27	18.41	18.23	19.60
5	QPSK	12	7	18.21	18.26	18.08	19.60
5	QPSK	12	13	18.16	18.33	18.24	19.60
5	QPSK	25	0	18.29	18.25	18.26	19.60



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5	16QAM	1	0	18.26	18.35	18.08	19.60
5	16QAM	1	12	18.20	18.32	18.14	19.60
5	16QAM	1	24	18.13	18.29	18.19	19.60
5	16QAM	12	0	18.17	18.20	18.08	19.60
5	16QAM	12	7	18.17	18.30	18.11	19.60
5	16QAM	12	13	18.02	18.30	18.15	19.60
5	16QAM	25	0	18.22	18.34	18.17	19.60
5	64QAM	1	0	18.15	18.25	18.02	19.60
5	64QAM	1	12	18.29	18.24	18.27	19.60
5	64QAM	1	24	18.11	18.20	18.10	19.60
5	64QAM	12	0	18.05	18.27	18.19	19.60
5	64QAM	12	7	18.04	18.21	18.04	19.60
5	64QAM	12	13	18.14	18.18	18.08	19.60
5	64QAM	25	0	18.09	18.17	18.03	19.60
5	256QAM	1	0	16.73	16.92	16.78	18.00
5	256QAM	1	12	16.76	16.81	16.61	18.00
5	256QAM	1	24	16.59	16.74	16.78	18.00
5	256QAM	12	0	16.66	16.78	16.52	18.00
5	256QAM	12	7	16.75	16.89	16.68	18.00
5	256QAM	12	13	16.67	16.73	16.66	18.00
5	256QAM	25	0	16.56	16.70	16.55	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	18.45	18.51	18.36	19.60
3	QPSK	1	8	18.10	18.19	18.13	19.60
3	QPSK	1	14	18.22	18.23	18.16	19.60
3	QPSK	8	0	18.24	18.35	18.30	19.60
3	QPSK	8	4	18.12	18.33	18.02	19.60
3	QPSK	8	7	18.15	18.28	18.14	19.60
3	QPSK	15	0	18.25	18.37	18.26	19.60
3	16QAM	1	0	18.22	18.25	18.05	19.60
3	16QAM	1	8	18.14	18.37	18.16	19.60
3	16QAM	1	14	18.10	18.22	18.11	19.60
3	16QAM	8	0	18.12	18.24	18.05	19.60
3	16QAM	8	4	18.11	18.32	18.07	19.60
3	16QAM	8	7	18.08	18.31	18.08	19.60
3	16QAM	15	0	18.27	18.38	18.14	19.60
3	64QAM	1	0	18.16	18.13	18.06	19.60
3	64QAM	1	8	18.20	18.34	18.29	19.60
3	64QAM	1	14	18.09	18.20	18.02	19.60
3	64QAM	8	0	18.17	18.28	18.17	19.60
3	64QAM	8	4	18.12	18.14	18.03	19.60
3	64QAM	8	7	18.12	18.25	18.00	19.60
3	64QAM	15	0	18.08	18.23	18.02	19.60
3	256QAM	1	0	16.73	16.82	16.81	18.00
3	256QAM	1	8	16.72	16.77	16.58	18.00
3	256QAM	1	14	16.70	16.85	16.66	18.00
3	256QAM	8	0	16.58	16.76	16.62	18.00
3	256QAM	8	4	16.75	16.79	16.73	18.00
3	256QAM	8	7	16.55	16.73	16.59	18.00
3	256QAM	15	0	16.52	16.69	16.55	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	18.38	18.47	18.47	19.60
1.4	QPSK	1	3	18.10	18.17	18.19	19.60
1.4	QPSK	1	5	18.22	18.24	18.04	19.60
1.4	QPSK	3	0	18.26	18.33	18.28	19.60
1.4	QPSK	3	1	18.11	18.24	18.15	19.60
1.4	QPSK	3	3	18.13	18.34	18.19	19.60
1.4	QPSK	6	0	18.25	18.37	18.20	19.60
1.4	16QAM	1	0	18.23	18.29	18.11	19.60
1.4	16QAM	1	3	18.25	18.42	18.15	19.60
1.4	16QAM	1	5	18.16	18.31	18.17	19.60
1.4	16QAM	3	0	18.12	18.18	18.04	19.60
1.4	16QAM	3	1	18.16	18.24	18.12	19.60
1.4	16QAM	3	3	18.08	18.19	18.15	19.60
1.4	16QAM	6	0	18.21	18.34	18.09	19.60
1.4	64QAM	1	0	18.07	18.13	18.00	19.60
1.4	64QAM	1	3	18.29	18.32	18.29	19.60
1.4	64QAM	1	5	18.20	18.25	18.11	19.60
1.4	64QAM	3	0	18.12	18.21	18.09	19.60
1.4	64QAM	3	1	18.04	18.22	18.12	19.60
1.4	64QAM	3	3	18.06	18.21	17.99	19.60
1.4	64QAM	6	0	18.14	18.16	18.02	19.60
1.4	256QAM	1	0	16.76	16.90	16.77	18.00
1.4	256QAM	1	3	16.73	16.70	16.64	18.00
1.4	256QAM	1	5	16.64	16.77	16.74	18.00
1.4	256QAM	3	0	16.69	16.78	16.57	18.00



1.4	256QAM	3	1	16.71	16.85	16.73	18.00
1.4	256QAM	3	3	16.66	16.79	16.65	18.00
1.4	256QAM	6	0	16.55	16.71	16.64	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.55	16.57	16.51	18.10
20	QPSK	1	49	16.45	16.50	16.43	18.10
20	QPSK	1	99	16.49	16.44	16.42	18.10
20	QPSK	50	0	16.51	16.56	16.53	18.10
20	QPSK	50	24	16.47	16.50	16.45	18.10
20	QPSK	50	50	16.41	16.49	16.37	18.10
20	QPSK	100	0	16.47	16.48	16.38	18.10
20	16QAM	1	0	16.40	16.48	16.41	18.10
20	16QAM	1	49	16.40	16.45	16.47	18.10
20	16QAM	1	99	16.47	16.44	16.37	18.10
20	16QAM	50	0	16.42	16.53	16.47	18.10
20	16QAM	50	24	16.44	16.52	16.38	18.10
20	16QAM	50	50	16.50	16.48	16.45	18.10
20	16QAM	100	0	16.43	16.45	16.36	18.10
20	64QAM	1	0	16.42	16.46	16.48	18.10
20	64QAM	1	49	16.49	16.46	16.42	18.10
20	64QAM	1	99	16.49	16.51	16.39	18.10
20	64QAM	50	0	16.42	16.52	16.47	18.10
20	64QAM	50	24	16.50	16.52	16.37	18.10
20	64QAM	50	50	16.44	16.47	16.41	18.10
20	64QAM	100	0	16.47	16.53	16.44	18.10
20	256QAM	1	0	16.43	16.51	16.45	18.00
20	256QAM	1	49	16.52	16.42	16.38	18.00
20	256QAM	1	99	16.50	16.48	16.45	18.00
20	256QAM	50	0	16.50	16.42	16.38	18.00
20	256QAM	50	24	16.42	16.46	16.43	18.00
20	256QAM	50	50	16.42	16.50	16.42	18.00
20	256QAM	100	0	16.45	16.53	16.43	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.52	16.48	16.39	18.10
15	QPSK	1	37	16.43	16.36	16.28	18.10
15	QPSK	1	74	16.44	16.30	16.32	18.10
15	QPSK	36	0	16.46	16.42	16.24	18.10
15	QPSK	36	20	16.42	16.49	16.41	18.10
15	QPSK	36	39	16.32	16.43	16.23	18.10
15	QPSK	75	0	16.40	16.34	16.35	18.10
15	16QAM	1	0	16.35	16.39	16.32	18.10
15	16QAM	1	37	16.29	16.39	16.34	18.10
15	16QAM	1	74	16.42	16.39	16.31	18.10
15	16QAM	36	0	16.37	16.40	16.44	18.10
15	16QAM	36	20	16.35	16.38	16.23	18.10
15	16QAM	36	39	16.36	16.34	16.36	18.10
15	16QAM	75	0	16.38	16.34	16.28	18.10
15	64QAM	1	0	16.33	16.35	16.44	18.10
15	64QAM	1	37	16.44	16.37	16.37	18.10
15	64QAM	1	74	16.45	16.45	16.34	18.10
15	64QAM	36	0	16.34	16.47	16.45	18.10
15	64QAM	36	20	16.43	16.51	16.22	18.10
15	64QAM	36	39	16.37	16.43	16.40	18.10
15	64QAM	75	0	16.36	16.48	16.41	18.10
15	256QAM	1	0	16.38	16.47	16.43	18.00
15	256QAM	1	37	16.42	16.38	16.25	18.00
15	256QAM	1	74	16.36	16.34	16.36	18.00
15	256QAM	36	0	16.45	16.33	16.26	18.00
15	256QAM	36	20	16.36	16.42	16.36	18.00
15	256QAM	36	39	16.39	16.35	16.36	18.00
15	256QAM	75	0	16.30	16.47	16.41	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	16.43	16.45	16.48	18.10
10	QPSK	1	25	16.31	16.43	16.31	18.10
10	QPSK	1	49	16.46	16.39	16.32	18.10



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10	QPSK	25	0	16.39	16.50	16.31	18.10
10	QPSK	25	12	16.34	16.43	16.41	18.10
10	QPSK	25	25	16.33	16.45	16.31	18.10
10	QPSK	50	0	16.42	16.32	16.25	18.10
10	16QAM	1	0	16.38	16.37	16.37	18.10
10	16QAM	1	25	16.34	16.42	16.33	18.10
10	16QAM	1	49	16.42	16.39	16.27	18.10
10	16QAM	25	0	16.31	16.43	16.34	18.10
10	16QAM	25	12	16.37	16.38	16.25	18.10
10	16QAM	25	25	16.39	16.46	16.40	18.10
10	16QAM	50	0	16.31	16.37	16.28	18.10
10	64QAM	1	0	16.29	16.41	16.35	18.10
10	64QAM	1	25	16.43	16.41	16.39	18.10
10	64QAM	1	49	16.43	16.41	16.37	18.10
10	64QAM	25	0	16.40	16.44	16.37	18.10
10	64QAM	25	12	16.44	16.44	16.26	18.10
10	64QAM	25	25	16.39	16.45	16.31	18.10
10	64QAM	50	0	16.46	16.46	16.29	18.10
10	256QAM	1	0	16.40	16.43	16.42	18.00
10	256QAM	1	25	16.50	16.29	16.34	18.00
10	256QAM	1	49	16.46	16.44	16.37	18.00
10	256QAM	25	0	16.45	16.37	16.26	18.00
10	256QAM	25	12	16.33	16.44	16.39	18.00
10	256QAM	25	25	16.31	16.47	16.37	18.00
10	256QAM	50	0	16.40	16.40	16.32	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	16.51	16.53	16.40	18.10
5	QPSK	1	12	16.40	16.37	16.39	18.10
5	QPSK	1	24	16.35	16.37	16.37	18.10
5	QPSK	12	0	16.48	16.45	16.26	18.10
5	QPSK	12	7	16.34	16.44	16.38	18.10
5	QPSK	12	13	16.32	16.46	16.25	18.10
5	QPSK	25	0	16.37	16.35	16.27	18.10
5	16QAM	1	0	16.25	16.44	16.38	18.10
5	16QAM	1	12	16.30	16.41	16.42	18.10
5	16QAM	1	24	16.35	16.32	16.31	18.10
5	16QAM	12	0	16.37	16.51	16.39	18.10
5	16QAM	12	7	16.41	16.37	16.29	18.10
5	16QAM	12	13	16.47	16.42	16.38	18.10
5	16QAM	25	0	16.31	16.40	16.33	18.10
5	64QAM	1	0	16.32	16.42	16.41	18.10
5	64QAM	1	12	16.42	16.45	16.40	18.10
5	64QAM	1	24	16.38	16.39	16.34	18.10
5	64QAM	12	0	16.31	16.46	16.37	18.10
5	64QAM	12	7	16.46	16.47	16.34	18.10
5	64QAM	12	13	16.41	16.32	16.34	18.10
5	64QAM	25	0	16.38	16.49	16.37	18.10
5	256QAM	1	0	16.33	16.40	16.32	18.00
5	256QAM	1	12	16.50	16.37	16.31	18.00
5	256QAM	1	24	16.43	16.38	16.34	18.00
5	256QAM	12	0	16.40	16.32	16.24	18.00
5	256QAM	12	7	16.34	16.39	16.38	18.00
5	256QAM	12	13	16.28	16.42	16.38	18.00
5	256QAM	25	0	16.35	16.46	16.28	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	16.53	16.43	16.48	18.10
3	QPSK	1	8	16.31	16.39	16.31	18.10
3	QPSK	1	14	16.47	16.29	16.33	18.10
3	QPSK	8	0	16.38	16.46	16.36	18.10
3	QPSK	8	4	16.44	16.42	16.34	18.10
3	QPSK	8	7	16.38	16.44	16.31	18.10
3	QPSK	15	0	16.42	16.35	16.29	18.10
3	16QAM	1	0	16.33	16.46	16.34	18.10
3	16QAM	1	8	16.38	16.30	16.39	18.10
3	16QAM	1	14	16.34	16.38	16.28	18.10
3	16QAM	8	0	16.34	16.45	16.33	18.10
3	16QAM	8	4	16.43	16.47	16.30	18.10
3	16QAM	8	7	16.37	16.38	16.41	18.10
3	16QAM	15	0	16.39	16.37	16.23	18.10
3	64QAM	1	0	16.32	16.38	16.37	18.10
3	64QAM	1	8	16.37	16.39	16.31	18.10
3	64QAM	1	14	16.36	16.41	16.31	18.10
3	64QAM	8	0	16.34	16.50	16.41	18.10
3	64QAM	8	4	16.46	16.48	16.28	18.10
3	64QAM	8	7	16.36	16.38	16.39	18.10
3	64QAM	15	0	16.32	16.52	16.41	18.10



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3	256QAM	1	0	16.31	16.37	16.30	18.00
3	256QAM	1	8	16.41	16.27	16.34	18.00
3	256QAM	1	14	16.46	16.33	16.44	18.00
3	256QAM	8	0	16.42	16.31	16.28	18.00
3	256QAM	8	4	16.39	16.45	16.31	18.00
3	256QAM	8	7	16.32	16.40	16.31	18.00
3	256QAM	15	0	16.43	16.44	16.40	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	16.44	16.51	16.50	18.10
1.4	QPSK	1	3	16.38	16.42	16.37	18.10
1.4	QPSK	1	5	16.43	16.34	16.36	18.10
1.4	QPSK	3	0	16.48	16.54	16.25	18.10
1.4	QPSK	3	1	16.33	16.40	16.31	18.10
1.4	QPSK	3	3	16.35	16.45	16.29	18.10
1.4	QPSK	6	0	16.41	16.33	16.35	18.10
1.4	16QAM	1	0	16.38	16.44	16.40	18.10
1.4	16QAM	1	3	16.32	16.35	16.44	18.10
1.4	16QAM	1	5	16.42	16.29	16.27	18.10
1.4	16QAM	3	0	16.31	16.50	16.44	18.10
1.4	16QAM	3	1	16.36	16.39	16.32	18.10
1.4	16QAM	3	3	16.46	16.46	16.39	18.10
1.4	16QAM	6	0	16.40	16.32	16.35	18.10
1.4	64QAM	1	0	16.41	16.34	16.42	18.10
1.4	64QAM	1	3	16.37	16.32	16.30	18.10
1.4	64QAM	1	5	16.38	16.40	16.27	18.10
1.4	64QAM	3	0	16.30	16.47	16.38	18.10
1.4	64QAM	3	1	16.47	16.41	16.27	18.10
1.4	64QAM	3	3	16.30	16.43	16.38	18.10
1.4	64QAM	6	0	16.43	16.42	16.40	18.10
1.4	256QAM	1	0	16.35	16.39	16.35	18.00
1.4	256QAM	1	3	16.40	16.32	16.29	18.00
1.4	256QAM	1	5	16.38	16.44	16.32	18.00
1.4	256QAM	3	0	16.48	16.41	16.34	18.00
1.4	256QAM	3	1	16.32	16.36	16.28	18.00
1.4	256QAM	3	3	16.28	16.41	16.36	18.00
1.4	256QAM	6	0	16.33	16.45	16.33	18.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.92	22.98	22.95	24.00
20	QPSK	1	49	22.66	22.75	22.70	24.00
20	QPSK	1	99	22.49	22.69	22.56	24.00
20	QPSK	50	0	21.90	21.93	21.86	23.00
20	QPSK	50	24	21.77	21.88	21.71	23.00
20	QPSK	50	50	21.63	21.79	21.63	23.00
20	QPSK	100	0	21.85	21.91	21.82	23.00
20	16QAM	1	0	21.76	21.84	21.72	23.00
20	16QAM	1	49	21.86	21.94	21.82	23.00
20	16QAM	1	99	21.63	21.80	21.72	23.00
20	16QAM	50	0	20.62	20.78	20.67	22.00
20	16QAM	50	24	20.67	20.87	20.80	22.00
20	16QAM	50	50	20.83	20.97	20.92	22.00
20	16QAM	100	0	20.73	20.83	20.78	22.00
20	64QAM	1	0	20.76	20.87	20.83	22.00
20	64QAM	1	49	20.74	20.88	20.82	22.00
20	64QAM	1	99	20.60	20.79	20.71	22.00
20	64QAM	50	0	19.68	19.78	19.67	21.00
20	64QAM	50	24	19.85	19.98	19.82	21.00
20	64QAM	50	50	19.89	19.97	19.90	21.00
20	64QAM	100	0	19.77	19.86	19.82	21.00
20	256QAM	1	0	17.58	17.77	17.65	19.00
20	256QAM	1	49	17.70	17.81	17.75	19.00
20	256QAM	1	99	17.93	17.99	17.84	19.00
20	256QAM	50	0	17.89	17.98	17.88	19.00
20	256QAM	50	24	17.66	17.84	17.76	19.00
20	256QAM	50	50	17.70	17.83	17.79	19.00
20	256QAM	100	0	17.71	17.89	17.76	19.00
Channel				132047	132322	132597	Tune-up limit



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Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	22.77	22.88	22.89	24.00
15	QPSK	1	37	22.62	22.64	22.59	24.00
15	QPSK	1	74	22.45	22.59	22.42	24.00
15	QPSK	36	0	21.83	21.83	21.76	23.00
15	QPSK	36	20	21.64	21.76	21.66	23.00
15	QPSK	36	39	21.53	21.76	21.58	23.00
15	QPSK	75	0	21.79	21.83	21.82	23.00
15	16QAM	1	0	21.68	21.81	21.71	23.00
15	16QAM	1	37	21.80	21.86	21.69	23.00
15	16QAM	1	74	21.59	21.78	21.60	23.00
15	16QAM	36	0	20.55	20.70	20.63	22.00
15	16QAM	36	20	20.66	20.78	20.76	22.00
15	16QAM	36	39	20.71	20.91	20.90	22.00
15	16QAM	75	0	20.64	20.80	20.76	22.00
15	64QAM	1	0	20.62	20.76	20.72	22.00
15	64QAM	1	37	20.69	20.86	20.81	22.00
15	64QAM	1	74	20.55	20.68	20.69	22.00
15	64QAM	36	0	19.58	19.71	19.66	21.00
15	64QAM	36	20	19.74	19.97	19.80	21.00
15	64QAM	36	39	19.87	19.92	19.78	21.00
15	64QAM	75	0	19.66	19.81	19.78	21.00
15	256QAM	1	0	17.52	17.64	17.63	19.00
15	256QAM	1	37	17.55	17.77	17.71	19.00
15	256QAM	1	74	17.82	17.86	17.79	19.00
15	256QAM	36	0	17.75	17.96	17.81	19.00
15	256QAM	36	20	17.58	17.79	17.63	19.00
15	256QAM	36	39	17.67	17.70	17.77	19.00
15	256QAM	75	0	17.59	17.75	17.75	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.82	22.87	22.81	24.00
10	QPSK	1	25	22.56	22.65	22.57	24.00
10	QPSK	1	49	22.37	22.61	22.48	24.00
10	QPSK	25	0	21.76	21.81	21.80	23.00
10	QPSK	25	12	21.63	21.84	21.62	23.00
10	QPSK	25	25	21.56	21.75	21.60	23.00
10	QPSK	50	0	21.77	21.92	21.89	23.00
10	16QAM	1	0	21.68	21.69	21.59	23.00
10	16QAM	1	25	21.75	21.83	21.75	23.00
10	16QAM	1	49	21.49	21.73	21.68	23.00
10	16QAM	25	0	20.61	20.73	20.60	22.00
10	16QAM	25	12	20.54	20.86	20.74	22.00
10	16QAM	25	25	20.78	20.87	20.78	22.00
10	16QAM	50	0	20.60	20.77	20.66	22.00
10	64QAM	1	0	20.69	20.83	20.76	22.00
10	64QAM	1	25	20.72	20.81	20.71	22.00
10	64QAM	1	49	20.53	20.78	20.66	22.00
10	64QAM	25	0	19.61	19.71	19.52	21.00
10	64QAM	25	12	19.72	19.85	19.68	21.00
10	64QAM	25	25	19.83	19.84	19.83	21.00
10	64QAM	50	0	19.66	19.82	19.78	21.00
10	256QAM	1	0	17.55	17.66	17.60	19.00
10	256QAM	1	25	17.61	17.69	17.62	19.00
10	256QAM	1	49	17.91	17.94	17.70	19.00
10	256QAM	25	0	17.85	17.96	17.81	19.00
10	256QAM	25	12	17.62	17.82	17.68	19.00
10	256QAM	25	25	17.56	17.82	17.73	19.00
10	256QAM	50	0	17.63	17.79	17.69	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.87	22.90	22.82	24.00
5	QPSK	1	12	22.59	22.62	22.60	24.00
5	QPSK	1	24	22.41	22.55	22.54	24.00
5	QPSK	12	0	21.80	21.83	21.80	23.00
5	QPSK	12	7	21.66	21.76	21.66	23.00
5	QPSK	12	13	21.59	21.70	21.49	23.00
5	QPSK	25	0	21.79	21.89	21.89	23.00
5	16QAM	1	0	21.64	21.75	21.62	23.00
5	16QAM	1	12	21.84	21.82	21.79	23.00
5	16QAM	1	24	21.62	21.67	21.65	23.00
5	16QAM	12	0	20.58	20.76	20.60	22.00
5	16QAM	12	7	20.52	20.85	20.77	22.00
5	16QAM	12	13	20.75	20.90	20.86	22.00
5	16QAM	25	0	20.60	20.72	20.65	22.00
5	64QAM	1	0	20.73	20.78	20.73	22.00
5	64QAM	1	12	20.71	20.75	20.69	22.00
5	64QAM	1	24	20.50	20.66	20.66	22.00



5	64QAM	12	0	19.54	19.63	19.59	21.00
5	64QAM	12	7	19.80	19.88	19.67	21.00
5	64QAM	12	13	19.83	19.90	19.83	21.00
5	64QAM	25	0	19.67	19.82	19.74	21.00
5	256QAM	1	0	17.44	17.73	17.52	19.00
5	256QAM	1	12	17.67	17.69	17.69	19.00
5	256QAM	1	24	17.81	17.98	17.72	19.00
5	256QAM	12	0	17.78	17.90	17.79	19.00
5	256QAM	12	7	17.60	17.80	17.62	19.00
5	256QAM	12	13	17.65	17.73	17.77	19.00
5	256QAM	25	0	17.58	17.85	17.73	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.81	22.90	22.92	24.00
3	QPSK	1	8	22.62	22.71	22.65	24.00
3	QPSK	1	14	22.35	22.62	22.46	24.00
3	QPSK	8	0	21.88	21.88	21.81	23.00
3	QPSK	8	4	21.69	21.83	21.64	23.00
3	QPSK	8	7	21.55	21.76	21.60	23.00
3	QPSK	15	0	21.79	21.90	21.81	23.00
3	16QAM	1	0	21.73	21.73	21.59	23.00
3	16QAM	1	8	21.73	21.92	21.74	23.00
3	16QAM	1	14	21.52	21.69	21.68	23.00
3	16QAM	8	0	20.59	20.65	20.54	22.00
3	16QAM	8	4	20.56	20.82	20.78	22.00
3	16QAM	8	7	20.71	20.84	20.86	22.00
3	16QAM	15	0	20.66	20.71	20.69	22.00
3	64QAM	1	0	20.73	20.77	20.68	22.00
3	64QAM	1	8	20.61	20.82	20.67	22.00
3	64QAM	1	14	20.47	20.73	20.66	22.00
3	64QAM	8	0	19.58	19.65	19.58	21.00
3	64QAM	8	4	19.76	19.92	19.68	21.00
3	64QAM	8	7	19.77	19.95	19.80	21.00
3	64QAM	15	0	19.67	19.75	19.68	21.00
3	256QAM	1	0	17.47	17.62	17.53	19.00
3	256QAM	1	8	17.59	17.72	17.63	19.00
3	256QAM	1	14	17.85	17.95	17.76	19.00
3	256QAM	8	0	17.80	17.94	17.83	19.00
3	256QAM	8	4	17.63	17.70	17.69	19.00
3	256QAM	8	7	17.66	17.69	17.72	19.00
3	256QAM	15	0	17.65	17.87	17.67	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	22.77	22.87	22.85	24.00
1.4	QPSK	1	3	22.64	22.72	22.64	24.00
1.4	QPSK	1	5	22.36	22.59	22.51	24.00
1.4	QPSK	3	0	22.81	22.82	22.79	24.00
1.4	QPSK	3	1	22.72	22.85	22.60	24.00
1.4	QPSK	3	3	22.58	22.70	22.60	24.00
1.4	QPSK	6	0	21.75	21.95	21.81	23.00
1.4	16QAM	1	0	21.66	21.78	21.63	23.00
1.4	16QAM	1	3	21.73	21.81	21.69	23.00
1.4	16QAM	1	5	21.62	21.65	21.60	23.00
1.4	16QAM	3	0	21.57	21.65	21.65	23.00
1.4	16QAM	3	1	21.60	21.74	21.71	23.00
1.4	16QAM	3	3	21.69	21.93	21.89	23.00
1.4	16QAM	6	0	20.67	20.77	20.75	22.00
1.4	64QAM	1	0	20.73	20.85	20.74	22.00
1.4	64QAM	1	3	20.59	20.84	20.68	22.00
1.4	64QAM	1	5	20.55	20.67	20.57	22.00
1.4	64QAM	3	0	20.60	20.72	20.61	22.00
1.4	64QAM	3	1	20.79	20.89	20.68	22.00
1.4	64QAM	3	3	20.75	20.92	20.88	22.00
1.4	64QAM	6	0	19.74	19.76	19.74	21.00
1.4	256QAM	1	0	17.53	17.73	17.52	19.00
1.4	256QAM	1	3	17.68	17.76	17.69	19.00
1.4	256QAM	1	5	17.87	17.98	17.78	19.00
1.4	256QAM	3	0	17.76	17.96	17.75	19.00
1.4	256QAM	3	1	17.59	17.73	17.65	19.00
1.4	256QAM	3	3	17.67	17.75	17.71	19.00
1.4	256QAM	6	0	17.62	17.86	17.73	19.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.92	22.98	22.95	24.00
20	QPSK	1	49	22.66	22.75	22.70	24.00
20	QPSK	1	99	22.49	22.69	22.56	24.00
20	QPSK	50	0	21.90	21.93	21.86	23.00
20	QPSK	50	24	21.77	21.88	21.71	23.00
20	QPSK	50	50	21.63	21.79	21.63	23.00
20	QPSK	100	0	21.85	21.91	21.82	23.00
20	16QAM	1	0	21.76	21.84	21.72	23.00
20	16QAM	1	49	21.86	21.94	21.82	23.00
20	16QAM	1	99	21.63	21.80	21.72	23.00
20	16QAM	50	0	20.62	20.78	20.67	22.00
20	16QAM	50	24	20.67	20.87	20.80	22.00
20	16QAM	50	50	20.83	20.97	20.92	22.00
20	16QAM	100	0	20.73	20.83	20.78	22.00
20	64QAM	1	0	20.76	20.87	20.83	22.00
20	64QAM	1	49	20.74	20.88	20.82	22.00
20	64QAM	1	99	20.60	20.79	20.71	22.00
20	64QAM	50	0	19.68	19.78	19.67	21.00
20	64QAM	50	24	19.85	19.98	19.82	21.00
20	64QAM	50	50	19.89	19.97	19.90	21.00
20	64QAM	100	0	19.77	19.86	19.82	21.00
20	256QAM	1	0	17.58	17.77	17.65	19.00
20	256QAM	1	49	17.70	17.81	17.75	19.00
20	256QAM	1	99	17.93	17.99	17.84	19.00
20	256QAM	50	0	17.89	17.98	17.88	19.00
20	256QAM	50	24	17.66	17.84	17.76	19.00
20	256QAM	50	50	17.70	17.83	17.79	19.00
20	256QAM	100	0	17.71	17.89	17.76	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.77	22.88	22.89	24.00
15	QPSK	1	37	22.62	22.64	22.59	24.00
15	QPSK	1	74	22.45	22.59	22.42	24.00
15	QPSK	36	0	21.83	21.83	21.76	23.00
15	QPSK	36	20	21.64	21.76	21.66	23.00
15	QPSK	36	39	21.53	21.76	21.58	23.00
15	QPSK	75	0	21.79	21.83	21.82	23.00
15	16QAM	1	0	21.68	21.81	21.71	23.00
15	16QAM	1	37	21.80	21.86	21.69	23.00
15	16QAM	1	74	21.59	21.78	21.60	23.00
15	16QAM	36	0	20.55	20.70	20.63	22.00
15	16QAM	36	20	20.66	20.78	20.76	22.00
15	16QAM	36	39	20.71	20.91	20.90	22.00
15	16QAM	75	0	20.64	20.80	20.76	22.00
15	64QAM	1	0	20.62	20.76	20.72	22.00
15	64QAM	1	37	20.69	20.86	20.81	22.00
15	64QAM	1	74	20.55	20.68	20.69	22.00
15	64QAM	36	0	19.58	19.71	19.66	21.00
15	64QAM	36	20	19.74	19.97	19.80	21.00
15	64QAM	36	39	19.87	19.92	19.78	21.00
15	64QAM	75	0	19.66	19.81	19.78	21.00
15	256QAM	1	0	17.52	17.64	17.63	19.00
15	256QAM	1	37	17.55	17.77	17.71	19.00
15	256QAM	1	74	17.82	17.86	17.79	19.00
15	256QAM	36	0	17.75	17.96	17.81	19.00
15	256QAM	36	20	17.58	17.79	17.63	19.00
15	256QAM	36	39	17.67	17.70	17.77	19.00
15	256QAM	75	0	17.59	17.75	17.75	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.82	22.87	22.81	24.00
10	QPSK	1	25	22.56	22.65	22.57	24.00
10	QPSK	1	49	22.37	22.61	22.48	24.00
10	QPSK	25	0	21.76	21.81	21.80	23.00
10	QPSK	25	12	21.63	21.84	21.62	23.00
10	QPSK	25	25	21.56	21.75	21.60	23.00
10	QPSK	50	0	21.77	21.92	21.89	23.00
10	16QAM	1	0	21.68	21.69	21.59	23.00
10	16QAM	1	25	21.75	21.83	21.75	23.00
10	16QAM	1	49	21.49	21.73	21.68	23.00
10	16QAM	25	0	20.61	20.73	20.60	22.00
10	16QAM	25	12	20.54	20.86	20.74	22.00
10	16QAM	25	25	20.78	20.87	20.78	22.00



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10	16QAM	50	0	20.60	20.77	20.66	22.00
10	64QAM	1	0	20.69	20.83	20.76	22.00
10	64QAM	1	25	20.72	20.81	20.71	22.00
10	64QAM	1	49	20.53	20.78	20.66	22.00
10	64QAM	25	0	19.61	19.71	19.52	21.00
10	64QAM	25	12	19.72	19.85	19.68	21.00
10	64QAM	25	25	19.83	19.84	19.83	21.00
10	64QAM	50	0	19.66	19.82	19.78	21.00
10	256QAM	1	0	17.55	17.66	17.60	19.00
10	256QAM	1	25	17.61	17.69	17.62	19.00
10	256QAM	1	49	17.91	17.94	17.70	19.00
10	256QAM	25	0	17.85	17.96	17.81	19.00
10	256QAM	25	12	17.62	17.82	17.68	19.00
10	256QAM	25	25	17.56	17.82	17.73	19.00
10	256QAM	50	0	17.63	17.79	17.69	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.87	22.90	22.82	24.00
5	QPSK	1	12	22.59	22.62	22.60	24.00
5	QPSK	1	24	22.41	22.55	22.54	24.00
5	QPSK	12	0	21.80	21.83	21.80	23.00
5	QPSK	12	7	21.66	21.76	21.66	23.00
5	QPSK	12	13	21.59	21.70	21.49	23.00
5	QPSK	25	0	21.79	21.89	21.89	23.00
5	16QAM	1	0	21.64	21.75	21.62	23.00
5	16QAM	1	12	21.84	21.82	21.79	23.00
5	16QAM	1	24	21.62	21.67	21.65	23.00
5	16QAM	12	0	20.58	20.76	20.60	22.00
5	16QAM	12	7	20.52	20.85	20.77	22.00
5	16QAM	12	13	20.75	20.90	20.86	22.00
5	16QAM	25	0	20.60	20.72	20.65	22.00
5	64QAM	1	0	20.73	20.78	20.73	22.00
5	64QAM	1	12	20.71	20.75	20.69	22.00
5	64QAM	1	24	20.50	20.66	20.66	22.00
5	64QAM	12	0	19.54	19.63	19.59	21.00
5	64QAM	12	7	19.80	19.88	19.67	21.00
5	64QAM	12	13	19.83	19.90	19.83	21.00
5	64QAM	25	0	19.67	19.82	19.74	21.00
5	256QAM	1	0	17.44	17.73	17.52	19.00
5	256QAM	1	12	17.67	17.69	17.69	19.00
5	256QAM	1	24	17.81	17.98	17.72	19.00
5	256QAM	12	0	17.78	17.90	17.79	19.00
5	256QAM	12	7	17.60	17.80	17.62	19.00
5	256QAM	12	13	17.65	17.73	17.77	19.00
5	256QAM	25	0	17.58	17.85	17.73	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.81	22.90	22.92	24.00
3	QPSK	1	8	22.62	22.71	22.65	24.00
3	QPSK	1	14	22.35	22.62	22.46	24.00
3	QPSK	8	0	21.88	21.88	21.81	23.00
3	QPSK	8	4	21.69	21.83	21.64	23.00
3	QPSK	8	7	21.55	21.76	21.60	23.00
3	QPSK	15	0	21.79	21.90	21.81	23.00
3	16QAM	1	0	21.73	21.73	21.59	23.00
3	16QAM	1	8	21.73	21.92	21.74	23.00
3	16QAM	1	14	21.52	21.69	21.68	23.00
3	16QAM	8	0	20.59	20.65	20.54	22.00
3	16QAM	8	4	20.56	20.82	20.78	22.00
3	16QAM	8	7	20.71	20.84	20.86	22.00
3	16QAM	15	0	20.66	20.71	20.69	22.00
3	64QAM	1	0	20.73	20.77	20.68	22.00
3	64QAM	1	8	20.61	20.82	20.67	22.00
3	64QAM	1	14	20.47	20.73	20.66	22.00
3	64QAM	8	0	19.58	19.65	19.58	21.00
3	64QAM	8	4	19.76	19.92	19.68	21.00
3	64QAM	8	7	19.77	19.95	19.80	21.00
3	64QAM	15	0	19.67	19.75	19.68	21.00
3	256QAM	1	0	17.47	17.62	17.53	19.00
3	256QAM	1	8	17.59	17.72	17.63	19.00
3	256QAM	1	14	17.85	17.95	17.76	19.00
3	256QAM	8	0	17.80	17.94	17.83	19.00
3	256QAM	8	4	17.63	17.70	17.69	19.00
3	256QAM	8	7	17.66	17.69	17.72	19.00
3	256QAM	15	0	17.65	17.87	17.67	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	22.77	22.87	22.85	24.00



1.4	QPSK	1	3	22.64	22.72	22.64	24.00
1.4	QPSK	1	5	22.36	22.59	22.51	24.00
1.4	QPSK	3	0	22.81	22.82	22.79	24.00
1.4	QPSK	3	1	22.72	22.85	22.60	24.00
1.4	QPSK	3	3	22.58	22.70	22.60	24.00
1.4	QPSK	6	0	21.75	21.95	21.81	23.00
1.4	16QAM	1	0	21.66	21.78	21.63	23.00
1.4	16QAM	1	3	21.73	21.81	21.69	23.00
1.4	16QAM	1	5	21.62	21.65	21.60	23.00
1.4	16QAM	3	0	21.57	21.65	21.65	23.00
1.4	16QAM	3	1	21.60	21.74	21.71	23.00
1.4	16QAM	3	3	21.69	21.93	21.89	23.00
1.4	16QAM	6	0	20.67	20.77	20.75	22.00
1.4	64QAM	1	0	20.73	20.85	20.74	22.00
1.4	64QAM	1	3	20.59	20.84	20.68	22.00
1.4	64QAM	1	5	20.55	20.67	20.57	22.00
1.4	64QAM	3	0	20.60	20.72	20.61	22.00
1.4	64QAM	3	1	20.79	20.89	20.68	22.00
1.4	64QAM	3	3	20.75	20.92	20.88	22.00
1.4	64QAM	6	0	19.74	19.76	19.74	21.00
1.4	256QAM	1	0	17.53	17.73	17.52	19.00
1.4	256QAM	1	3	17.68	17.76	17.69	19.00
1.4	256QAM	1	5	17.87	17.98	17.78	19.00
1.4	256QAM	3	0	17.76	17.96	17.75	19.00
1.4	256QAM	3	1	17.59	17.73	17.65	19.00
1.4	256QAM	3	3	17.67	17.75	17.71	19.00
1.4	256QAM	6	0	17.62	17.86	17.73	19.00

【LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.90	19.93	19.88	21.00
20	QPSK	1	49	19.64	19.80	19.74	21.00
20	QPSK	1	99	19.60	19.73	19.65	21.00
20	QPSK	50	0	19.82	19.85	19.78	21.00
20	QPSK	50	24	19.63	19.71	19.62	21.00
20	QPSK	50	50	19.76	19.81	19.68	21.00
20	QPSK	100	0	19.72	19.79	19.77	21.00
20	16QAM	1	0	19.61	19.68	19.56	21.00
20	16QAM	1	49	19.63	19.80	19.68	21.00
20	16QAM	1	99	19.70	19.80	19.71	21.00
20	16QAM	50	0	19.67	19.71	19.60	21.00
20	16QAM	50	24	19.67	19.74	19.65	21.00
20	16QAM	50	50	19.69	19.77	19.69	21.00
20	16QAM	100	0	19.56	19.66	19.51	21.00
20	64QAM	1	0	19.58	19.68	19.56	21.00
20	64QAM	1	49	19.60	19.73	19.59	21.00
20	64QAM	1	99	19.57	19.68	19.57	21.00
20	64QAM	50	0	19.57	19.68	19.50	21.00
20	64QAM	50	24	19.52	19.70	19.52	21.00
20	64QAM	50	50	19.63	19.74	19.55	21.00
20	64QAM	100	0	19.63	19.76	19.69	21.00
20	256QAM	1	0	17.56	17.70	17.62	19.00
20	256QAM	1	49	17.69	17.73	17.55	19.00
20	256QAM	1	99	17.70	17.78	17.64	19.00
20	256QAM	50	0	17.68	17.79	17.61	19.00
20	256QAM	50	24	17.56	17.66	17.51	19.00
20	256QAM	50	50	17.64	17.79	17.60	19.00
20	256QAM	100	0	17.51	17.67	17.57	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.84	19.91	19.85	21.00
15	QPSK	1	37	19.52	19.77	19.64	21.00
15	QPSK	1	74	19.49	19.64	19.59	21.00
15	QPSK	36	0	19.79	19.76	19.73	21.00
15	QPSK	36	20	19.56	19.60	19.49	21.00
15	QPSK	36	39	19.64	19.72	19.55	21.00
15	QPSK	75	0	19.64	19.66	19.67	21.00
15	16QAM	1	0	19.57	19.54	19.46	21.00
15	16QAM	1	37	19.58	19.68	19.63	21.00



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15	16QAM	1	74	19.66	19.66	19.60	21.00
15	16QAM	36	0	19.54	19.68	19.59	21.00
15	16QAM	36	20	19.55	19.73	19.60	21.00
15	16QAM	36	39	19.68	19.67	19.67	21.00
15	16QAM	75	0	19.48	19.53	19.46	21.00
15	64QAM	1	0	19.50	19.56	19.42	21.00
15	64QAM	1	37	19.54	19.69	19.56	21.00
15	64QAM	1	74	19.44	19.53	19.49	21.00
15	64QAM	36	0	19.55	19.58	19.35	21.00
15	64QAM	36	20	19.48	19.62	19.42	21.00
15	64QAM	36	39	19.51	19.66	19.47	21.00
15	64QAM	75	0	19.62	19.73	19.59	21.00
15	256QAM	1	0	17.45	17.58	17.50	19.00
15	256QAM	1	37	17.63	17.63	17.48	19.00
15	256QAM	1	74	17.55	17.66	17.56	19.00
15	256QAM	36	0	17.66	17.70	17.51	19.00
15	256QAM	36	20	17.42	17.57	17.41	19.00
15	256QAM	36	39	17.53	17.75	17.56	19.00
15	256QAM	75	0	17.43	17.59	17.43	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	19.80	19.88	19.75	21.00
10	QPSK	1	25	19.53	19.68	19.60	21.00
10	QPSK	1	49	19.56	19.60	19.59	21.00
10	QPSK	25	0	19.80	19.72	19.70	21.00
10	QPSK	25	12	19.50	19.68	19.54	21.00
10	QPSK	25	25	19.66	19.67	19.66	21.00
10	QPSK	50	0	19.58	19.77	19.73	21.00
10	16QAM	1	0	19.59	19.62	19.47	21.00
10	16QAM	1	25	19.57	19.70	19.64	21.00
10	16QAM	1	49	19.64	19.66	19.67	21.00
10	16QAM	25	0	19.52	19.60	19.51	21.00
10	16QAM	25	12	19.62	19.62	19.52	21.00
10	16QAM	25	25	19.56	19.66	19.55	21.00
10	16QAM	50	0	19.47	19.62	19.41	21.00
10	64QAM	1	0	19.49	19.60	19.44	21.00
10	64QAM	1	25	19.54	19.65	19.50	21.00
10	64QAM	1	49	19.56	19.57	19.52	21.00
10	64QAM	25	0	19.42	19.63	19.40	21.00
10	64QAM	25	12	19.46	19.67	19.51	21.00
10	64QAM	25	25	19.57	19.63	19.49	21.00
10	64QAM	50	0	19.56	19.64	19.62	21.00
10	256QAM	1	0	17.54	17.64	17.47	19.00
10	256QAM	1	25	17.56	17.71	17.49	19.00
10	256QAM	1	49	17.60	17.72	17.57	19.00
10	256QAM	25	0	17.66	17.66	17.49	19.00
10	256QAM	25	12	17.53	17.64	17.46	19.00
10	256QAM	25	25	17.54	17.73	17.49	19.00
10	256QAM	50	0	17.42	17.64	17.45	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	19.79	19.80	19.74	21.00
5	QPSK	1	12	19.61	19.68	19.70	21.00
5	QPSK	1	24	19.59	19.61	19.52	21.00
5	QPSK	12	0	19.72	19.72	19.71	21.00
5	QPSK	12	7	19.51	19.68	19.50	21.00
5	QPSK	12	13	19.67	19.75	19.63	21.00
5	QPSK	25	0	19.64	19.71	19.64	21.00
5	16QAM	1	0	19.54	19.57	19.42	21.00
5	16QAM	1	12	19.52	19.72	19.61	21.00
5	16QAM	1	24	19.61	19.73	19.69	21.00
5	16QAM	12	0	19.57	19.62	19.59	21.00
5	16QAM	12	7	19.61	19.73	19.55	21.00
5	16QAM	12	13	19.59	19.67	19.56	21.00
5	16QAM	25	0	19.53	19.56	19.38	21.00
5	64QAM	1	0	19.51	19.54	19.46	21.00
5	64QAM	1	12	19.46	19.64	19.49	21.00
5	64QAM	1	24	19.50	19.58	19.52	21.00
5	64QAM	12	0	19.55	19.58	19.48	21.00
5	64QAM	12	7	19.38	19.64	19.43	21.00
5	64QAM	12	13	19.61	19.72	19.50	21.00
5	64QAM	25	0	19.60	19.72	19.60	21.00
5	256QAM	1	0	17.46	17.66	17.60	19.00
5	256QAM	1	12	17.64	17.63	17.49	19.00
5	256QAM	1	24	17.69	17.75	17.60	19.00
5	256QAM	12	0	17.57	17.69	17.49	19.00
5	256QAM	12	7	17.51	17.59	17.49	19.00
5	256QAM	12	13	17.60	17.72	17.58	19.00



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5	256QAM	25	0	17.49	17.55	17.55	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.83	19.84	19.78	21.00
3	QPSK	1	8	19.60	19.66	19.67	21.00
3	QPSK	1	14	19.48	19.67	19.56	21.00
3	QPSK	8	0	19.72	19.74	19.65	21.00
3	QPSK	8	4	19.49	19.61	19.57	21.00
3	QPSK	8	7	19.75	19.73	19.57	21.00
3	QPSK	15	0	19.69	19.74	19.72	21.00
3	16QAM	1	0	19.52	19.62	19.47	21.00
3	16QAM	1	8	19.53	19.72	19.56	21.00
3	16QAM	1	14	19.66	19.77	19.65	21.00
3	16QAM	8	0	19.55	19.67	19.57	21.00
3	16QAM	8	4	19.62	19.65	19.55	21.00
3	16QAM	8	7	19.66	19.70	19.62	21.00
3	16QAM	15	0	19.43	19.51	19.49	21.00
3	64QAM	1	0	19.46	19.66	19.42	21.00
3	64QAM	1	8	19.45	19.67	19.58	21.00
3	64QAM	1	14	19.54	19.58	19.49	21.00
3	64QAM	8	0	19.43	19.66	19.40	21.00
3	64QAM	8	4	19.43	19.66	19.48	21.00
3	64QAM	8	7	19.50	19.61	19.43	21.00
3	64QAM	15	0	19.52	19.67	19.67	21.00
3	256QAM	1	0	17.46	17.60	17.55	19.00
3	256QAM	1	8	17.61	17.70	17.47	19.00
3	256QAM	1	14	17.65	17.76	17.53	19.00
3	256QAM	8	0	17.54	17.71	17.59	19.00
3	256QAM	8	4	17.44	17.51	17.43	19.00
3	256QAM	8	7	17.51	17.64	17.55	19.00
3	256QAM	15	0	17.40	17.60	17.43	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	19.83	19.85	19.74	21.00
1.4	QPSK	1	3	19.60	19.75	19.68	21.00
1.4	QPSK	1	5	19.54	19.59	19.61	21.00
1.4	QPSK	3	0	19.81	19.73	19.69	21.00
1.4	QPSK	3	1	19.62	19.61	19.52	21.00
1.4	QPSK	3	3	19.66	19.74	19.60	21.00
1.4	QPSK	6	0	19.71	19.76	19.66	21.00
1.4	16QAM	1	0	19.54	19.54	19.48	21.00
1.4	16QAM	1	3	19.51	19.71	19.59	21.00
1.4	16QAM	1	5	19.59	19.67	19.64	21.00
1.4	16QAM	3	0	19.52	19.66	19.46	21.00
1.4	16QAM	3	1	19.58	19.60	19.53	21.00
1.4	16QAM	3	3	19.61	19.69	19.64	21.00
1.4	16QAM	6	0	19.48	19.58	19.47	21.00
1.4	64QAM	1	0	19.52	19.62	19.47	21.00
1.4	64QAM	1	3	19.47	19.62	19.48	21.00
1.4	64QAM	1	5	19.53	19.64	19.46	21.00
1.4	64QAM	3	0	19.52	19.60	19.38	21.00
1.4	64QAM	3	1	19.49	19.63	19.50	21.00
1.4	64QAM	3	3	19.54	19.64	19.52	21.00
1.4	64QAM	6	0	19.55	19.74	19.63	21.00
1.4	256QAM	1	0	17.54	17.58	17.55	19.00
1.4	256QAM	1	3	17.63	17.69	17.41	19.00
1.4	256QAM	1	5	17.64	17.66	17.50	19.00
1.4	256QAM	3	0	17.56	17.73	17.50	19.00
1.4	256QAM	3	1	17.43	17.59	17.41	19.00
1.4	256QAM	3	3	17.63	17.77	17.52	19.00
1.4	256QAM	6	0	17.42	17.57	17.53	19.00



【LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.92	22.98	22.95	24.00
20	QPSK	1	49	22.66	22.75	22.70	24.00
20	QPSK	1	99	22.49	22.69	22.56	24.00
20	QPSK	50	0	21.90	21.93	21.86	23.00
20	QPSK	50	24	21.77	21.88	21.71	23.00
20	QPSK	50	50	21.63	21.79	21.63	23.00
20	QPSK	100	0	21.85	21.91	21.82	23.00
20	16QAM	1	0	21.76	21.84	21.72	23.00
20	16QAM	1	49	21.86	21.94	21.82	23.00
20	16QAM	1	99	21.63	21.80	21.72	23.00
20	16QAM	50	0	20.62	20.78	20.67	22.00
20	16QAM	50	24	20.67	20.87	20.80	22.00
20	16QAM	50	50	20.83	20.97	20.92	22.00
20	16QAM	100	0	20.73	20.83	20.78	22.00
20	64QAM	1	0	20.76	20.87	20.83	22.00
20	64QAM	1	49	20.74	20.88	20.82	22.00
20	64QAM	1	99	20.60	20.79	20.71	22.00
20	64QAM	50	0	19.68	19.78	19.67	21.00
20	64QAM	50	24	19.85	19.98	19.82	21.00
20	64QAM	50	50	19.89	19.97	19.90	21.00
20	64QAM	100	0	19.77	19.86	19.82	21.00
20	256QAM	1	0	17.58	17.77	17.65	19.00
20	256QAM	1	49	17.70	17.81	17.75	19.00
20	256QAM	1	99	17.93	17.99	17.84	19.00
20	256QAM	50	0	17.89	17.98	17.88	19.00
20	256QAM	50	24	17.66	17.84	17.76	19.00
20	256QAM	50	50	17.70	17.83	17.79	19.00
20	256QAM	100	0	17.71	17.89	17.76	19.00
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.77	22.88	22.89	24.00
15	QPSK	1	37	22.62	22.64	22.59	24.00
15	QPSK	1	74	22.45	22.59	22.42	24.00
15	QPSK	36	0	21.83	21.83	21.76	23.00
15	QPSK	36	20	21.64	21.76	21.66	23.00
15	QPSK	36	39	21.53	21.76	21.58	23.00
15	QPSK	75	0	21.79	21.83	21.82	23.00
15	16QAM	1	0	21.68	21.81	21.71	23.00
15	16QAM	1	37	21.80	21.86	21.69	23.00
15	16QAM	1	74	21.59	21.78	21.60	23.00
15	16QAM	36	0	20.55	20.70	20.63	22.00
15	16QAM	36	20	20.66	20.78	20.76	22.00
15	16QAM	36	39	20.71	20.91	20.90	22.00
15	16QAM	75	0	20.64	20.80	20.76	22.00
15	64QAM	1	0	20.62	20.76	20.72	22.00
15	64QAM	1	37	20.69	20.86	20.81	22.00
15	64QAM	1	74	20.55	20.68	20.69	22.00
15	64QAM	36	0	19.58	19.71	19.66	21.00
15	64QAM	36	20	19.74	19.97	19.80	21.00
15	64QAM	36	39	19.87	19.92	19.78	21.00
15	64QAM	75	0	19.66	19.81	19.78	21.00
15	256QAM	1	0	17.52	17.64	17.63	19.00
15	256QAM	1	37	17.55	17.77	17.71	19.00
15	256QAM	1	74	17.82	17.86	17.79	19.00
15	256QAM	36	0	17.75	17.96	17.81	19.00
15	256QAM	36	20	17.58	17.79	17.63	19.00
15	256QAM	36	39	17.67	17.70	17.77	19.00
15	256QAM	75	0	17.59	17.75	17.75	19.00
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.82	22.87	22.81	24.00
10	QPSK	1	25	22.56	22.65	22.57	24.00
10	QPSK	1	49	22.37	22.61	22.48	24.00
10	QPSK	25	0	21.76	21.81	21.80	23.00
10	QPSK	25	12	21.63	21.84	21.62	23.00
10	QPSK	25	25	21.56	21.75	21.60	23.00
10	QPSK	50	0	21.77	21.92	21.89	23.00
10	16QAM	1	0	21.68	21.69	21.59	23.00
10	16QAM	1	25	21.75	21.83	21.75	23.00
10	16QAM	1	49	21.49	21.73	21.68	23.00
10	16QAM	25	0	20.61	20.73	20.60	22.00



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10	16QAM	25	12	20.54	20.86	20.74	22.00
10	16QAM	25	25	20.78	20.87	20.78	22.00
10	16QAM	50	0	20.60	20.77	20.66	22.00
10	64QAM	1	0	20.69	20.83	20.76	22.00
10	64QAM	1	25	20.72	20.81	20.71	22.00
10	64QAM	1	49	20.53	20.78	20.66	22.00
10	64QAM	25	0	19.61	19.71	19.52	21.00
10	64QAM	25	12	19.72	19.85	19.68	21.00
10	64QAM	25	25	19.83	19.84	19.83	21.00
10	64QAM	50	0	19.66	19.82	19.78	21.00
10	256QAM	1	0	17.55	17.66	17.60	19.00
10	256QAM	1	25	17.61	17.69	17.62	19.00
10	256QAM	1	49	17.91	17.94	17.70	19.00
10	256QAM	25	0	17.85	17.96	17.81	19.00
10	256QAM	25	12	17.62	17.82	17.68	19.00
10	256QAM	25	25	17.56	17.82	17.73	19.00
10	256QAM	50	0	17.63	17.79	17.69	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.87	22.90	22.82	24.00
5	QPSK	1	12	22.59	22.62	22.60	24.00
5	QPSK	1	24	22.41	22.55	22.54	24.00
5	QPSK	12	0	21.80	21.83	21.80	23.00
5	QPSK	12	7	21.66	21.76	21.66	23.00
5	QPSK	12	13	21.59	21.70	21.49	23.00
5	QPSK	25	0	21.79	21.89	21.89	23.00
5	16QAM	1	0	21.64	21.75	21.62	23.00
5	16QAM	1	12	21.84	21.82	21.79	23.00
5	16QAM	1	24	21.62	21.67	21.65	23.00
5	16QAM	12	0	20.58	20.76	20.60	22.00
5	16QAM	12	7	20.52	20.85	20.77	22.00
5	16QAM	12	13	20.75	20.90	20.86	22.00
5	16QAM	25	0	20.60	20.72	20.65	22.00
5	64QAM	1	0	20.73	20.78	20.73	22.00
5	64QAM	1	12	20.71	20.75	20.69	22.00
5	64QAM	1	24	20.50	20.66	20.66	22.00
5	64QAM	12	0	19.54	19.63	19.59	21.00
5	64QAM	12	7	19.80	19.88	19.67	21.00
5	64QAM	12	13	19.83	19.90	19.83	21.00
5	64QAM	25	0	19.67	19.82	19.74	21.00
5	256QAM	1	0	17.44	17.73	17.52	19.00
5	256QAM	1	12	17.67	17.69	17.69	19.00
5	256QAM	1	24	17.81	17.98	17.72	19.00
5	256QAM	12	0	17.78	17.90	17.79	19.00
5	256QAM	12	7	17.60	17.80	17.62	19.00
5	256QAM	12	13	17.65	17.73	17.77	19.00
5	256QAM	25	0	17.58	17.85	17.73	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.81	22.90	22.92	24.00
3	QPSK	1	8	22.62	22.71	22.65	24.00
3	QPSK	1	14	22.35	22.62	22.46	24.00
3	QPSK	8	0	21.88	21.88	21.81	23.00
3	QPSK	8	4	21.69	21.83	21.64	23.00
3	QPSK	8	7	21.55	21.76	21.60	23.00
3	QPSK	15	0	21.79	21.90	21.81	23.00
3	16QAM	1	0	21.73	21.73	21.59	23.00
3	16QAM	1	8	21.73	21.92	21.74	23.00
3	16QAM	1	14	21.52	21.69	21.68	23.00
3	16QAM	8	0	20.59	20.65	20.54	22.00
3	16QAM	8	4	20.56	20.82	20.78	22.00
3	16QAM	8	7	20.71	20.84	20.86	22.00
3	16QAM	15	0	20.66	20.71	20.69	22.00
3	64QAM	1	0	20.73	20.77	20.68	22.00
3	64QAM	1	8	20.61	20.82	20.67	22.00
3	64QAM	1	14	20.47	20.73	20.66	22.00
3	64QAM	8	0	19.58	19.65	19.58	21.00
3	64QAM	8	4	19.76	19.92	19.68	21.00
3	64QAM	8	7	19.77	19.95	19.80	21.00
3	64QAM	15	0	19.67	19.75	19.68	21.00
3	256QAM	1	0	17.47	17.62	17.53	19.00
3	256QAM	1	8	17.59	17.72	17.63	19.00
3	256QAM	1	14	17.85	17.95	17.76	19.00
3	256QAM	8	0	17.80	17.94	17.83	19.00
3	256QAM	8	4	17.63	17.70	17.69	19.00
3	256QAM	8	7	17.66	17.69	17.72	19.00
3	256QAM	15	0	17.65	17.87	17.67	19.00
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	22.77	22.87	22.85	24.00
1.4	QPSK	1	3	22.64	22.72	22.64	24.00
1.4	QPSK	1	5	22.36	22.59	22.51	24.00
1.4	QPSK	3	0	22.81	22.82	22.79	24.00
1.4	QPSK	3	1	22.72	22.85	22.60	24.00
1.4	QPSK	3	3	22.58	22.70	22.60	24.00
1.4	QPSK	6	0	21.75	21.95	21.81	23.00
1.4	16QAM	1	0	21.66	21.78	21.63	23.00
1.4	16QAM	1	3	21.73	21.81	21.69	23.00
1.4	16QAM	1	5	21.62	21.65	21.60	23.00
1.4	16QAM	3	0	21.57	21.65	21.65	23.00
1.4	16QAM	3	1	21.60	21.74	21.71	23.00
1.4	16QAM	3	3	21.69	21.93	21.89	23.00
1.4	16QAM	6	0	20.67	20.77	20.75	22.00
1.4	64QAM	1	0	20.73	20.85	20.74	22.00
1.4	64QAM	1	3	20.59	20.84	20.68	22.00
1.4	64QAM	1	5	20.55	20.67	20.57	22.00
1.4	64QAM	3	0	20.60	20.72	20.61	22.00
1.4	64QAM	3	1	20.79	20.89	20.68	22.00
1.4	64QAM	3	3	20.75	20.92	20.88	22.00
1.4	64QAM	6	0	19.74	19.76	19.74	21.00
1.4	256QAM	1	0	17.53	17.73	17.52	19.00
1.4	256QAM	1	3	17.68	17.76	17.69	19.00
1.4	256QAM	1	5	17.87	17.98	17.78	19.00
1.4	256QAM	3	0	17.76	17.96	17.75	19.00
1.4	256QAM	3	1	17.59	17.73	17.65	19.00
1.4	256QAM	3	3	17.67	17.75	17.71	19.00
1.4	256QAM	6	0	17.62	17.86	17.73	19.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.88	21.93	21.82	22.80
20	QPSK	1	49	21.61	21.72	21.48	22.80
20	QPSK	1	99	21.54	21.69	21.50	22.80
20	QPSK	50	0	21.75	21.83	21.77	22.80
20	QPSK	50	24	21.51	21.64	21.49	22.80
20	QPSK	50	50	21.67	21.81	21.56	22.80
20	QPSK	100	0	21.63	21.73	21.69	22.80
20	16QAM	1	0	21.61	21.72	21.59	22.80
20	16QAM	1	49	21.54	21.65	21.46	22.80
20	16QAM	1	99	21.58	21.67	21.50	22.80
20	16QAM	50	0	20.66	20.78	20.63	22.00
20	16QAM	50	24	20.63	20.70	20.59	22.00
20	16QAM	50	50	20.64	20.78	20.57	22.00
20	16QAM	100	0	20.70	20.79	20.61	22.00
20	64QAM	1	0	20.63	20.81	20.64	22.00
20	64QAM	1	49	20.61	20.78	20.66	22.00
20	64QAM	1	99	20.51	20.65	20.40	22.00
20	64QAM	50	0	19.73	19.80	19.58	21.00
20	64QAM	50	24	19.53	19.64	19.40	21.00
20	64QAM	50	50	19.63	19.71	19.58	21.00
20	64QAM	100	0	19.52	19.66	19.53	21.00
20	256QAM	1	0	17.61	17.67	17.56	19.00
20	256QAM	1	49	17.58	17.73	17.60	19.00
20	256QAM	1	99	17.70	17.80	17.59	19.00
20	256QAM	50	0	17.69	17.78	17.64	19.00
20	256QAM	50	24	17.57	17.75	17.52	19.00
20	256QAM	50	50	17.60	17.72	17.51	19.00
20	256QAM	100	0	17.63	17.76	17.65	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.86	21.84	21.69	22.80
15	QPSK	1	37	21.56	21.59	21.42	22.80
15	QPSK	1	74	21.50	21.58	21.36	22.80
15	QPSK	36	0	21.68	21.77	21.73	22.80
15	QPSK	36	20	21.49	21.58	21.40	22.80
15	QPSK	36	39	21.54	21.66	21.42	22.80
15	QPSK	75	0	21.57	21.67	21.61	22.80



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15	16QAM	1	0	21.52	21.63	21.49	22.80
15	16QAM	1	37	21.49	21.52	21.35	22.80
15	16QAM	1	74	21.50	21.56	21.36	22.80
15	16QAM	36	0	20.60	20.65	20.61	22.00
15	16QAM	36	20	20.50	20.61	20.45	22.00
15	16QAM	36	39	20.61	20.65	20.43	22.00
15	16QAM	75	0	20.62	20.72	20.50	22.00
15	64QAM	1	0	20.58	20.77	20.50	22.00
15	64QAM	1	37	20.49	20.70	20.64	22.00
15	64QAM	1	74	20.37	20.63	20.32	22.00
15	64QAM	36	0	19.59	19.77	19.54	21.00
15	64QAM	36	20	19.45	19.49	19.32	21.00
15	64QAM	36	39	19.49	19.64	19.57	21.00
15	64QAM	75	0	19.45	19.61	19.50	21.00
15	256QAM	1	0	17.47	17.57	17.51	19.00
15	256QAM	1	37	17.55	17.66	17.46	19.00
15	256QAM	1	74	17.64	17.76	17.53	19.00
15	256QAM	36	0	17.61	17.66	17.49	19.00
15	256QAM	36	20	17.48	17.69	17.50	19.00
15	256QAM	36	39	17.55	17.59	17.40	19.00
15	256QAM	75	0	17.58	17.69	17.63	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.76	21.82	21.80	22.80
10	QPSK	1	25	21.59	21.64	21.35	22.80
10	QPSK	1	49	21.51	21.65	21.40	22.80
10	QPSK	25	0	21.71	21.77	21.70	22.80
10	QPSK	25	12	21.36	21.60	21.35	22.80
10	QPSK	25	25	21.64	21.74	21.50	22.80
10	QPSK	50	0	21.54	21.66	21.62	22.80
10	16QAM	1	0	21.46	21.66	21.45	22.80
10	16QAM	1	25	21.43	21.61	21.35	22.80
10	16QAM	1	49	21.46	21.60	21.43	22.80
10	16QAM	25	0	20.55	20.67	20.50	22.00
10	16QAM	25	12	20.48	20.64	20.55	22.00
10	16QAM	25	25	20.62	20.68	20.47	22.00
10	16QAM	50	0	20.56	20.65	20.49	22.00
10	64QAM	1	0	20.58	20.72	20.62	22.00
10	64QAM	1	25	20.60	20.70	20.61	22.00
10	64QAM	1	49	20.36	20.61	20.33	22.00
10	64QAM	25	0	19.71	19.69	19.49	21.00
10	64QAM	25	12	19.39	19.59	19.35	21.00
10	64QAM	25	25	19.53	19.69	19.50	21.00
10	64QAM	50	0	19.44	19.55	19.40	21.00
10	256QAM	1	0	17.46	17.59	17.50	19.00
10	256QAM	1	25	17.56	17.70	17.50	19.00
10	256QAM	1	49	17.62	17.79	17.46	19.00
10	256QAM	25	0	17.60	17.68	17.56	19.00
10	256QAM	25	12	17.46	17.61	17.46	19.00
10	256QAM	25	25	17.54	17.70	17.42	19.00
10	256QAM	50	0	17.50	17.71	17.63	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.75	21.85	21.73	22.80
5	QPSK	1	12	21.47	21.64	21.37	22.80
5	QPSK	1	24	21.42	21.55	21.48	22.80
5	QPSK	12	0	21.66	21.69	21.71	22.80
5	QPSK	12	7	21.44	21.55	21.41	22.80
5	QPSK	12	13	21.61	21.72	21.43	22.80
5	QPSK	25	0	21.61	21.63	21.61	22.80
5	16QAM	1	0	21.56	21.64	21.45	22.80
5	16QAM	1	12	21.40	21.57	21.44	22.80
5	16QAM	1	24	21.52	21.62	21.44	22.80
5	16QAM	12	0	20.60	20.63	20.56	22.00
5	16QAM	12	7	20.54	20.57	20.57	22.00
5	16QAM	12	13	20.55	20.66	20.49	22.00
5	16QAM	25	0	20.66	20.66	20.59	22.00
5	64QAM	1	0	20.52	20.71	20.60	22.00
5	64QAM	1	12	20.59	20.77	20.64	22.00
5	64QAM	1	24	20.43	20.63	20.28	22.00
5	64QAM	12	0	19.69	19.73	19.48	21.00
5	64QAM	12	7	19.38	19.51	19.32	21.00
5	64QAM	12	13	19.60	19.65	19.46	21.00
5	64QAM	25	0	19.46	19.52	19.39	21.00
5	256QAM	1	0	17.49	17.60	17.55	19.00
5	256QAM	1	12	17.50	17.68	17.57	19.00
5	256QAM	1	24	17.58	17.69	17.55	19.00
5	256QAM	12	0	17.65	17.66	17.52	19.00



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5	256QAM	12	7	17.48	17.68	17.45	19.00
5	256QAM	12	13	17.48	17.68	17.38	19.00
5	256QAM	25	0	17.50	17.72	17.59	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.82	21.90	21.70	22.80
3	QPSK	1	8	21.46	21.66	21.36	22.80
3	QPSK	1	14	21.39	21.68	21.40	22.80
3	QPSK	8	0	21.64	21.69	21.74	22.80
3	QPSK	8	4	21.44	21.54	21.39	22.80
3	QPSK	8	7	21.56	21.72	21.47	22.80
3	QPSK	15	0	21.48	21.72	21.56	22.80
3	16QAM	1	0	21.58	21.62	21.56	22.80
3	16QAM	1	8	21.45	21.59	21.37	22.80
3	16QAM	1	14	21.50	21.54	21.45	22.80
3	16QAM	8	0	20.58	20.70	20.60	22.00
3	16QAM	8	4	20.55	20.64	20.52	22.00
3	16QAM	8	7	20.53	20.68	20.44	22.00
3	16QAM	15	0	20.61	20.75	20.52	22.00
3	64QAM	1	0	20.49	20.74	20.59	22.00
3	64QAM	1	8	20.54	20.65	20.58	22.00
3	64QAM	1	14	20.37	20.58	20.26	22.00
3	64QAM	8	0	19.71	19.79	19.48	21.00
3	64QAM	8	4	19.49	19.57	19.30	21.00
3	64QAM	8	7	19.51	19.69	19.44	21.00
3	64QAM	15	0	19.45	19.59	19.45	21.00
3	256QAM	1	0	17.47	17.59	17.43	19.00
3	256QAM	1	8	17.54	17.65	17.52	19.00
3	256QAM	1	14	17.58	17.72	17.51	19.00
3	256QAM	8	0	17.68	17.63	17.60	19.00
3	256QAM	8	4	17.45	17.69	17.38	19.00
3	256QAM	8	7	17.52	17.67	17.36	19.00
3	256QAM	15	0	17.55	17.65	17.50	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.77	21.91	21.79	22.80
1.4	QPSK	1	3	21.56	21.57	21.41	22.80
1.4	QPSK	1	5	21.44	21.64	21.49	22.80
1.4	QPSK	3	0	21.67	21.75	21.74	22.80
1.4	QPSK	3	1	21.41	21.58	21.42	22.80
1.4	QPSK	3	3	21.61	21.67	21.52	22.80
1.4	QPSK	6	0	21.51	21.69	21.63	22.80
1.4	16QAM	1	0	21.59	21.58	21.48	22.80
1.4	16QAM	1	3	21.44	21.55	21.33	22.80
1.4	16QAM	1	5	21.47	21.64	21.37	22.80
1.4	16QAM	3	0	21.58	21.72	21.57	22.80
1.4	16QAM	3	1	21.56	21.66	21.53	22.80
1.4	16QAM	3	3	21.51	21.68	21.46	22.80
1.4	16QAM	6	0	20.57	20.72	20.49	21.00
1.4	64QAM	1	0	20.57	20.73	20.62	21.00
1.4	64QAM	1	3	20.60	20.65	20.58	21.00
1.4	64QAM	1	5	20.43	20.56	20.32	21.00
1.4	64QAM	3	0	20.60	20.78	20.45	21.00
1.4	64QAM	3	1	20.50	20.59	20.34	21.00
1.4	64QAM	3	3	20.55	20.66	20.44	21.00
1.4	64QAM	6	0	19.46	19.58	19.51	20.00
1.4	256QAM	1	0	17.58	17.65	17.54	19.00
1.4	256QAM	1	3	17.56	17.64	17.53	19.00
1.4	256QAM	1	5	17.58	17.66	17.47	19.00
1.4	256QAM	3	0	17.68	17.69	17.60	19.00
1.4	256QAM	3	1	17.52	17.64	17.40	19.00
1.4	256QAM	3	3	17.55	17.62	17.37	19.00
1.4	256QAM	6	0	17.59	17.70	17.52	19.00



【LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.82	18.83	18.79	19.70
20	QPSK	1	49	18.64	18.71	18.56	19.70
20	QPSK	1	99	18.57	18.68	18.62	19.70
20	QPSK	50	0	18.70	18.72	18.63	19.70
20	QPSK	50	24	18.62	18.70	18.52	19.70
20	QPSK	50	50	18.55	18.60	18.50	19.70
20	QPSK	100	0	18.55	18.59	18.51	19.70
20	16QAM	1	0	18.53	18.64	18.48	19.70
20	16QAM	1	49	18.60	18.64	18.49	19.70
20	16QAM	1	99	18.59	18.67	18.55	19.70
20	16QAM	50	0	18.49	18.59	18.51	19.70
20	16QAM	50	24	18.51	18.63	18.50	19.70
20	16QAM	50	50	18.61	18.72	18.62	19.70
20	16QAM	100	0	18.61	18.71	18.64	19.70
20	64QAM	1	0	18.62	18.65	18.50	19.70
20	64QAM	1	49	18.57	18.65	18.54	19.70
20	64QAM	1	99	18.52	18.60	18.51	19.70
20	64QAM	50	0	18.54	18.63	18.45	19.70
20	64QAM	50	24	18.58	18.67	18.59	19.70
20	64QAM	50	50	18.57	18.72	18.60	19.70
20	64QAM	100	0	18.46	18.61	18.46	19.70
20	256QAM	1	0	17.58	17.66	17.60	19.00
20	256QAM	1	49	17.49	17.63	17.53	19.00
20	256QAM	1	99	17.54	17.70	17.55	19.00
20	256QAM	50	0	17.49	17.59	17.43	19.00
20	256QAM	50	24	17.50	17.64	17.59	19.00
20	256QAM	50	50	17.62	17.65	17.60	19.00
20	256QAM	100	0	17.58	17.64	17.58	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.72	18.75	18.64	19.70
15	QPSK	1	37	18.57	18.61	18.53	19.70
15	QPSK	1	74	18.46	18.56	18.59	19.70
15	QPSK	36	0	18.67	18.71	18.57	19.70
15	QPSK	36	20	18.48	18.65	18.43	19.70
15	QPSK	36	39	18.51	18.53	18.47	19.70
15	QPSK	75	0	18.42	18.45	18.40	19.70
15	16QAM	1	0	18.47	18.55	18.47	19.70
15	16QAM	1	37	18.58	18.52	18.39	19.70
15	16QAM	1	74	18.56	18.52	18.48	19.70
15	16QAM	36	0	18.44	18.51	18.40	19.70
15	16QAM	36	20	18.43	18.58	18.36	19.70
15	16QAM	36	39	18.50	18.68	18.53	19.70
15	16QAM	75	0	18.53	18.59	18.52	19.70
15	64QAM	1	0	18.54	18.50	18.49	19.70
15	64QAM	1	37	18.55	18.53	18.40	19.70
15	64QAM	1	74	18.43	18.56	18.47	19.70
15	64QAM	36	0	18.40	18.50	18.43	19.70
15	64QAM	36	20	18.46	18.66	18.52	19.70
15	64QAM	36	39	18.56	18.71	18.55	19.70
15	64QAM	75	0	18.33	18.59	18.38	19.70
15	256QAM	1	0	17.53	17.64	17.57	19.00
15	256QAM	1	37	17.45	17.62	17.46	19.00
15	256QAM	1	74	17.51	17.62	17.46	19.00
15	256QAM	36	0	17.46	17.45	17.29	19.00
15	256QAM	36	20	17.49	17.60	17.57	19.00
15	256QAM	36	39	17.59	17.64	17.53	19.00
15	256QAM	75	0	17.52	17.50	17.56	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.72	18.78	18.70	19.70
10	QPSK	1	25	18.52	18.56	18.51	19.70
10	QPSK	1	49	18.47	18.57	18.59	19.70
10	QPSK	25	0	18.67	18.57	18.51	19.70
10	QPSK	25	12	18.51	18.67	18.41	19.70
10	QPSK	25	25	18.47	18.50	18.37	19.70
10	QPSK	50	0	18.41	18.53	18.40	19.70
10	16QAM	1	0	18.49	18.58	18.44	19.70
10	16QAM	1	25	18.54	18.49	18.42	19.70
10	16QAM	1	49	18.45	18.66	18.48	19.70
10	16QAM	25	0	18.38	18.48	18.42	19.70



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10	16QAM	25	12	18.43	18.60	18.41	19.70
10	16QAM	25	25	18.56	18.63	18.54	19.70
10	16QAM	50	0	18.49	18.58	18.55	19.70
10	64QAM	1	0	18.58	18.53	18.41	19.70
10	64QAM	1	25	18.51	18.55	18.43	19.70
10	64QAM	1	49	18.38	18.46	18.39	19.70
10	64QAM	25	0	18.52	18.49	18.40	19.70
10	64QAM	25	12	18.55	18.57	18.50	19.70
10	64QAM	25	25	18.47	18.67	18.54	19.70
10	64QAM	50	0	18.33	18.48	18.38	19.70
10	256QAM	1	0	17.55	17.54	17.48	19.00
10	256QAM	1	25	17.35	17.52	17.50	19.00
10	256QAM	1	49	17.51	17.57	17.47	19.00
10	256QAM	25	0	17.35	17.52	17.42	19.00
10	256QAM	25	12	17.36	17.57	17.45	19.00
10	256QAM	25	25	17.61	17.59	17.53	19.00
10	256QAM	50	0	17.49	17.58	17.51	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	18.72	18.82	18.78	19.70
5	QPSK	1	12	18.55	18.62	18.49	19.70
5	QPSK	1	24	18.49	18.63	18.54	19.70
5	QPSK	12	0	18.58	18.60	18.53	19.70
5	QPSK	12	7	18.50	18.56	18.44	19.70
5	QPSK	12	13	18.51	18.55	18.48	19.70
5	QPSK	25	0	18.50	18.48	18.48	19.70
5	16QAM	1	0	18.50	18.51	18.36	19.70
5	16QAM	1	12	18.54	18.55	18.40	19.70
5	16QAM	1	24	18.58	18.63	18.41	19.70
5	16QAM	12	0	18.34	18.58	18.46	19.70
5	16QAM	12	7	18.43	18.57	18.37	19.70
5	16QAM	12	13	18.55	18.68	18.49	19.70
5	16QAM	25	0	18.56	18.57	18.52	19.70
5	64QAM	1	0	18.53	18.61	18.41	19.70
5	64QAM	1	12	18.43	18.52	18.51	19.70
5	64QAM	1	24	18.50	18.49	18.41	19.70
5	64QAM	12	0	18.50	18.52	18.37	19.70
5	64QAM	12	7	18.53	18.56	18.46	19.70
5	64QAM	12	13	18.44	18.62	18.53	19.70
5	64QAM	25	0	18.38	18.47	18.41	19.70
5	256QAM	1	0	17.48	17.54	17.47	19.00
5	256QAM	1	12	17.35	17.53	17.46	19.00
5	256QAM	1	24	17.51	17.68	17.49	19.00
5	256QAM	12	0	17.37	17.46	17.42	19.00
5	256QAM	12	7	17.44	17.51	17.53	19.00
5	256QAM	12	13	17.49	17.55	17.57	19.00
5	256QAM	25	0	17.52	17.52	17.52	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	18.77	18.70	18.76	19.70
3	QPSK	1	8	18.54	18.62	18.44	19.70
3	QPSK	1	14	18.46	18.62	18.50	19.70
3	QPSK	8	0	18.61	18.62	18.55	19.70
3	QPSK	8	4	18.60	18.59	18.47	19.70
3	QPSK	8	7	18.50	18.50	18.42	19.70
3	QPSK	15	0	18.48	18.50	18.45	19.70
3	16QAM	1	0	18.42	18.60	18.37	19.70
3	16QAM	1	8	18.54	18.53	18.42	19.70
3	16QAM	1	14	18.49	18.65	18.48	19.70
3	16QAM	8	0	18.46	18.46	18.42	19.70
3	16QAM	8	4	18.49	18.54	18.43	19.70
3	16QAM	8	7	18.48	18.63	18.51	19.70
3	16QAM	15	0	18.56	18.62	18.61	19.70
3	64QAM	1	0	18.51	18.57	18.37	19.70
3	64QAM	1	8	18.46	18.57	18.50	19.70
3	64QAM	1	14	18.46	18.54	18.46	19.70
3	64QAM	8	0	18.41	18.52	18.32	19.70
3	64QAM	8	4	18.53	18.57	18.55	19.70
3	64QAM	8	7	18.51	18.59	18.56	19.70
3	64QAM	15	0	18.35	18.50	18.37	19.70
3	256QAM	1	0	17.45	17.53	17.56	19.00
3	256QAM	1	8	17.44	17.54	17.42	19.00
3	256QAM	1	14	17.45	17.57	17.44	19.00
3	256QAM	8	0	17.48	17.55	17.42	19.00
3	256QAM	8	4	17.38	17.60	17.46	19.00
3	256QAM	8	7	17.49	17.50	17.48	19.00
3	256QAM	15	0	17.52	17.62	17.57	19.00
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	18.71	18.69	18.74	19.70
1.4	QPSK	1	3	18.62	18.58	18.41	19.70
1.4	QPSK	1	5	18.46	18.55	18.60	19.70
1.4	QPSK	3	0	18.65	18.70	18.54	19.70
1.4	QPSK	3	1	18.52	18.69	18.47	19.70
1.4	QPSK	3	3	18.49	18.50	18.40	19.70
1.4	QPSK	6	0	18.42	18.48	18.38	19.70
1.4	16QAM	1	0	18.42	18.53	18.41	19.70
1.4	16QAM	1	3	18.47	18.51	18.44	19.70
1.4	16QAM	1	5	18.54	18.63	18.43	19.70
1.4	16QAM	3	0	18.40	18.57	18.38	19.70
1.4	16QAM	3	1	18.39	18.50	18.41	19.70
1.4	16QAM	3	3	18.59	18.68	18.60	19.70
1.4	16QAM	6	0	18.51	18.58	18.58	19.70
1.4	64QAM	1	0	18.60	18.57	18.42	19.70
1.4	64QAM	1	3	18.49	18.60	18.53	19.70
1.4	64QAM	1	5	18.43	18.54	18.44	19.70
1.4	64QAM	3	0	18.50	18.59	18.34	19.70
1.4	64QAM	3	1	18.51	18.56	18.56	19.70
1.4	64QAM	3	3	18.55	18.67	18.52	19.70
1.4	64QAM	6	0	18.45	18.58	18.37	19.70
1.4	256QAM	1	0	17.53	17.59	17.56	19.00
1.4	256QAM	1	3	17.44	17.57	17.48	19.00
1.4	256QAM	1	5	17.43	17.57	17.51	19.00
1.4	256QAM	3	0	17.43	17.55	17.31	19.00
1.4	256QAM	3	1	17.46	17.58	17.52	19.00
1.4	256QAM	3	3	17.50	17.62	17.58	19.00
1.4	256QAM	6	0	17.52	17.49	17.44	19.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.31	14.35	14.32	15.60
20	QPSK	1	49	14.23	14.18	14.24	15.60
20	QPSK	1	99	14.23	14.21	14.22	15.60
20	QPSK	50	0	14.23	14.31	14.22	15.60
20	QPSK	50	24	14.20	14.19	14.14	15.60
20	QPSK	50	50	14.16	14.15	14.16	15.60
20	QPSK	100	0	14.16	14.19	14.16	15.60
20	16QAM	1	0	14.22	14.18	14.18	15.60
20	16QAM	1	49	14.12	14.23	14.20	15.60
20	16QAM	1	99	14.12	14.25	14.18	15.60
20	16QAM	50	0	14.13	14.16	14.14	15.60
20	16QAM	50	24	14.16	14.26	14.14	15.60
20	16QAM	50	50	14.11	14.26	14.16	15.60
20	16QAM	100	0	14.15	14.20	14.19	15.60
20	64QAM	1	0	14.15	14.17	14.13	15.60
20	64QAM	1	49	14.21	14.16	14.13	15.60
20	64QAM	1	99	14.20	14.23	14.23	15.60
20	64QAM	50	0	14.18	14.17	14.14	15.60
20	64QAM	50	24	14.15	14.18	14.21	15.60
20	64QAM	50	50	14.12	14.16	14.19	15.60
20	64QAM	100	0	14.14	14.18	14.15	15.60
20	256QAM	1	0	14.21	14.21	14.22	15.60
20	256QAM	1	49	14.22	14.23	14.13	15.60
20	256QAM	1	99	14.19	14.24	14.15	15.60
20	256QAM	50	0	14.18	14.22	14.15	15.60
20	256QAM	50	24	14.16	14.16	14.14	15.60
20	256QAM	50	50	14.14	14.22	14.15	15.60
20	256QAM	100	0	14.12	14.21	14.17	15.60
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	14.26	14.23	14.22	15.60
15	QPSK	1	37	14.13	14.05	14.13	15.60
15	QPSK	1	74	14.17	14.06	14.14	15.60
15	QPSK	36	0	14.10	14.18	14.10	15.60
15	QPSK	36	20	14.13	14.18	14.06	15.60
15	QPSK	36	39	14.06	14.13	14.10	15.60
15	QPSK	75	0	14.08	14.04	14.03	15.60



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15	16QAM	1	0	14.20	14.08	14.15	15.60
15	16QAM	1	37	14.02	14.14	14.10	15.60
15	16QAM	1	74	14.02	14.10	14.09	15.60
15	16QAM	36	0	14.11	14.01	14.12	15.60
15	16QAM	36	20	14.11	14.17	14.05	15.60
15	16QAM	36	39	14.09	14.18	14.03	15.60
15	16QAM	75	0	14.13	14.09	14.07	15.60
15	64QAM	1	0	14.08	14.03	14.01	15.60
15	64QAM	1	37	14.20	14.11	14.04	15.60
15	64QAM	1	74	14.18	14.08	14.20	15.60
15	64QAM	36	0	14.07	14.16	13.99	15.60
15	64QAM	36	20	14.10	14.10	14.16	15.60
15	64QAM	36	39	14.07	14.09	14.08	15.60
15	64QAM	75	0	14.06	14.05	14.00	15.60
15	256QAM	1	0	14.16	14.14	14.20	15.60
15	256QAM	1	37	14.18	14.08	14.10	15.60
15	256QAM	1	74	14.12	14.15	14.14	15.60
15	256QAM	36	0	14.16	14.09	14.11	15.60
15	256QAM	36	20	14.04	14.13	14.01	15.60
15	256QAM	36	39	14.04	14.12	14.00	15.60
15	256QAM	75	0	13.99	14.08	14.11	15.60
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	14.25	14.34	14.27	15.60
10	QPSK	1	25	14.18	14.06	14.17	15.60
10	QPSK	1	49	14.09	14.19	14.09	15.60
10	QPSK	25	0	14.20	14.22	14.04	15.60
10	QPSK	25	12	14.19	14.16	14.08	15.60
10	QPSK	25	25	14.14	14.01	14.06	15.60
10	QPSK	50	0	14.03	14.17	14.04	15.60
10	16QAM	1	0	14.08	14.04	14.03	15.60
10	16QAM	1	25	14.03	14.10	14.19	15.60
10	16QAM	1	49	14.01	14.14	14.06	15.60
10	16QAM	25	0	14.06	14.10	14.05	15.60
10	16QAM	25	12	14.13	14.17	14.01	15.60
10	16QAM	25	25	13.98	14.16	14.13	15.60
10	16QAM	50	0	14.10	14.09	14.10	15.60
10	64QAM	1	0	14.03	14.07	14.02	15.60
10	64QAM	1	25	14.18	14.08	13.99	15.60
10	64QAM	1	49	14.13	14.12	14.18	15.60
10	64QAM	25	0	14.04	14.10	14.07	15.60
10	64QAM	25	12	14.13	14.09	14.08	15.60
10	64QAM	25	25	14.02	14.10	14.04	15.60
10	64QAM	50	0	14.05	14.14	14.10	15.60
10	256QAM	1	0	14.15	14.12	14.09	15.60
10	256QAM	1	25	14.20	14.14	14.02	15.60
10	256QAM	1	49	14.16	14.11	14.10	15.60
10	256QAM	25	0	14.11	14.16	14.03	15.60
10	256QAM	25	12	14.08	14.06	14.11	15.60
10	256QAM	25	25	14.12	14.11	14.07	15.60
10	256QAM	50	0	14.00	14.07	14.04	15.60
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	14.26	14.27	14.22	15.60
5	QPSK	1	12	14.22	14.06	14.11	15.60
5	QPSK	1	24	14.22	14.17	14.11	15.60
5	QPSK	12	0	14.14	14.29	14.07	15.60
5	QPSK	12	7	14.20	14.13	14.08	15.60
5	QPSK	12	13	14.07	14.07	14.15	15.60
5	QPSK	25	0	14.15	14.09	14.09	15.60
5	16QAM	1	0	14.13	14.15	14.12	15.60
5	16QAM	1	12	13.99	14.11	14.11	15.60
5	16QAM	1	24	14.02	14.21	14.05	15.60
5	16QAM	12	0	14.12	14.07	14.12	15.60
5	16QAM	12	7	14.04	14.20	14.07	15.60
5	16QAM	12	13	14.08	14.16	14.01	15.60
5	16QAM	25	0	14.12	14.07	14.13	15.60
5	64QAM	1	0	14.12	14.07	13.99	15.60
5	64QAM	1	12	14.09	14.05	14.12	15.60
5	64QAM	1	24	14.12	14.10	14.17	15.60
5	64QAM	12	0	14.16	14.08	14.09	15.60
5	64QAM	12	7	14.04	14.06	14.09	15.60
5	64QAM	12	13	14.00	14.06	14.17	15.60
5	64QAM	25	0	13.99	14.10	14.09	15.60
5	256QAM	1	0	14.15	14.17	14.11	15.60
5	256QAM	1	12	14.15	14.15	14.07	15.60
5	256QAM	1	24	14.17	14.11	14.09	15.60
5	256QAM	12	0	14.08	14.19	14.04	15.60



5	256QAM	12	7	14.06	14.13	14.04	15.60
5	256QAM	12	13	14.03	14.16	14.09	15.60
5	256QAM	25	0	14.10	14.17	14.11	15.60
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	14.18	14.31	14.18	15.60
3	QPSK	1	8	14.14	14.03	14.09	15.60
3	QPSK	1	14	14.11	14.07	14.19	15.60
3	QPSK	8	0	14.19	14.21	14.07	15.60
3	QPSK	8	4	14.15	14.12	14.02	15.60
3	QPSK	8	7	14.03	14.10	14.06	15.60
3	QPSK	15	0	14.08	14.10	14.07	15.60
3	16QAM	1	0	14.12	14.09	14.06	15.60
3	16QAM	1	8	14.08	14.17	14.06	15.60
3	16QAM	1	14	13.99	14.14	14.05	15.60
3	16QAM	8	0	14.01	14.11	14.13	15.60
3	16QAM	8	4	14.10	14.13	14.08	15.60
3	16QAM	8	7	14.04	14.22	14.06	15.60
3	16QAM	15	0	14.10	14.07	14.09	15.60
3	64QAM	1	0	14.12	14.16	14.07	15.60
3	64QAM	1	8	14.10	14.02	14.09	15.60
3	64QAM	1	14	14.10	14.11	14.18	15.60
3	64QAM	8	0	14.09	14.09	14.05	15.60
3	64QAM	8	4	14.13	14.06	14.15	15.60
3	64QAM	8	7	14.09	14.10	14.10	15.60
3	64QAM	15	0	13.99	14.09	14.06	15.60
3	256QAM	1	0	14.15	14.10	14.11	15.60
3	256QAM	1	8	14.07	14.17	14.02	15.60
3	256QAM	1	14	14.06	14.13	14.06	15.60
3	256QAM	8	0	14.15	14.14	14.06	15.60
3	256QAM	8	4	14.12	14.15	14.09	15.60
3	256QAM	8	7	14.11	14.20	14.12	15.60
3	256QAM	15	0	14.05	14.07	14.05	15.60
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.24	14.25	14.28	15.60
1.4	QPSK	1	3	14.12	14.14	14.12	15.60
1.4	QPSK	1	5	14.09	14.08	14.13	15.60
1.4	QPSK	3	0	14.14	14.23	13.98	15.60
1.4	QPSK	3	1	14.12	14.06	14.10	15.60
1.4	QPSK	3	3	14.03	14.05	14.06	15.60
1.4	QPSK	6	0	14.01	14.17	14.11	15.60
1.4	16QAM	1	0	14.09	14.08	14.09	15.60
1.4	16QAM	1	3	14.09	14.19	14.09	15.60
1.4	16QAM	1	5	13.99	14.12	14.08	15.60
1.4	16QAM	3	0	14.00	14.14	13.99	15.60
1.4	16QAM	3	1	14.08	14.16	14.01	15.60
1.4	16QAM	3	3	14.03	14.13	14.03	15.60
1.4	16QAM	6	0	14.04	14.16	14.11	15.60
1.4	64QAM	1	0	14.00	14.06	14.00	15.60
1.4	64QAM	1	3	14.12	14.12	14.00	15.60
1.4	64QAM	1	5	14.10	14.13	14.18	15.60
1.4	64QAM	3	0	14.07	14.10	14.11	15.60
1.4	64QAM	3	1	14.07	14.16	14.14	15.60
1.4	64QAM	3	3	14.10	14.06	14.11	15.60
1.4	64QAM	6	0	14.04	14.17	14.08	15.60
1.4	256QAM	1	0	14.16	14.07	14.10	15.60
1.4	256QAM	1	3	14.12	14.18	14.11	15.60
1.4	256QAM	1	5	14.07	14.21	14.13	15.60
1.4	256QAM	3	0	14.09	14.15	14.12	15.60
1.4	256QAM	3	1	14.09	14.12	14.06	15.60
1.4	256QAM	3	3	14.08	14.19	14.05	15.60
1.4	256QAM	6	0	14.02	14.10	14.15	15.60

【LTE Band 66_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.24	23.25	23.18	24.00
20	QPSK	1	49	23.07	23.18	23.10	24.00
20	QPSK	1	99	23.11	23.14	23.00	24.00



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20	QPSK	50	0	22.09	22.20	22.12	23.00
20	QPSK	50	24	22.08	22.15	22.02	23.00
20	QPSK	50	50	22.03	22.19	22.10	23.00
20	QPSK	100	0	22.10	22.12	22.00	23.00
20	16QAM	1	0	22.33	22.35	22.20	23.00
20	16QAM	1	49	22.25	22.39	22.31	23.00
20	16QAM	1	99	22.25	22.31	22.10	23.00
20	16QAM	50	0	21.09	21.19	21.00	22.00
20	16QAM	50	24	21.08	21.21	21.02	22.00
20	16QAM	50	50	21.13	21.23	21.14	22.00
20	16QAM	100	0	21.01	21.14	21.01	22.00
20	64QAM	1	0	21.11	21.13	21.00	22.00
20	64QAM	1	49	21.12	21.25	21.11	22.00
20	64QAM	1	99	21.27	21.38	21.23	22.00
20	64QAM	50	0	20.07	20.11	20.02	21.00
20	64QAM	50	24	20.07	20.16	20.00	21.00
20	64QAM	50	50	20.18	20.21	20.07	21.00
20	64QAM	100	0	20.04	20.16	20.06	21.00
20	256QAM	1	0	18.37	18.50	18.41	19.00
20	256QAM	1	49	18.11	18.27	18.16	19.00
20	256QAM	1	99	18.17	18.26	18.19	19.00
20	256QAM	50	0	18.05	18.17	18.00	19.00
20	256QAM	50	24	18.00	18.11	18.00	19.00
20	256QAM	50	50	18.13	18.21	18.12	19.00
20	256QAM	100	0	18.02	18.12	18.01	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	23.12	23.15	23.15	24.00
15	QPSK	1	37	23.00	23.16	23.00	24.00
15	QPSK	1	74	23.01	23.02	23.00	24.00
15	QPSK	36	0	22.02	22.17	22.01	23.00
15	QPSK	36	20	22.01	22.08	22.01	23.00
15	QPSK	36	39	22.00	22.16	22.04	23.00
15	QPSK	75	0	22.01	22.05	22.01	23.00
15	16QAM	1	0	22.25	22.32	22.06	23.00
15	16QAM	1	37	22.22	22.36	22.23	23.00
15	16QAM	1	74	22.19	22.27	22.00	23.00
15	16QAM	36	0	21.03	21.08	21.01	22.00
15	16QAM	36	20	21.01	21.08	21.00	22.00
15	16QAM	36	39	21.07	21.19	21.11	22.00
15	16QAM	75	0	21.00	21.03	21.00	22.00
15	64QAM	1	0	21.09	21.07	21.00	22.00
15	64QAM	1	37	21.07	21.14	21.02	22.00
15	64QAM	1	74	21.17	21.24	21.13	22.00
15	64QAM	36	0	20.01	20.06	20.01	21.00
15	64QAM	36	20	20.01	20.13	20.01	21.00
15	64QAM	36	39	20.10	20.11	20.01	21.00
15	64QAM	75	0	20.00	20.09	20.00	21.00
15	256QAM	1	0	18.22	18.40	18.38	19.00
15	256QAM	1	37	18.05	18.25	18.12	19.00
15	256QAM	1	74	18.04	18.23	18.05	19.00
15	256QAM	36	0	18.01	18.12	18.02	19.00
15	256QAM	36	20	18.01	18.04	18.01	19.00
15	256QAM	36	39	18.02	18.12	18.01	19.00
15	256QAM	75	0	18.01	18.04	18.00	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.11	23.14	23.15	24.00
10	QPSK	1	25	23.02	23.11	23.06	24.00
10	QPSK	1	49	23.00	23.06	23.01	24.00
10	QPSK	25	0	22.06	22.05	22.00	23.00
10	QPSK	25	12	22.00	22.00	22.00	23.00
10	QPSK	25	25	22.01	22.05	22.07	23.00
10	QPSK	50	0	22.04	22.05	22.00	23.00
10	16QAM	1	0	22.28	22.27	22.09	23.00
10	16QAM	1	25	22.12	22.31	22.22	23.00
10	16QAM	1	49	22.19	22.20	22.07	23.00
10	16QAM	25	0	21.01	21.11	21.00	22.00
10	16QAM	25	12	21.01	21.18	21.00	22.00
10	16QAM	25	25	21.02	21.11	21.10	22.00
10	16QAM	50	0	21.00	21.03	21.00	22.00
10	64QAM	1	0	21.09	21.00	21.02	22.00
10	64QAM	1	25	21.01	21.11	21.04	22.00
10	64QAM	1	49	21.25	21.28	21.12	22.00
10	64QAM	25	0	20.01	20.01	20.00	21.00
10	64QAM	25	12	20.05	20.01	20.01	21.00
10	64QAM	25	25	20.04	20.14	20.00	21.00
10	64QAM	50	0	20.01	20.13	20.05	21.00



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10	256QAM	1	0	18.31	18.42	18.30	19.00
10	256QAM	1	25	18.04	18.21	18.02	19.00
10	256QAM	1	49	18.08	18.13	18.11	19.00
10	256QAM	25	0	18.02	18.11	18.00	19.00
10	256QAM	25	12	18.00	18.02	18.01	19.00
10	256QAM	25	25	18.04	18.11	18.01	19.00
10	256QAM	50	0	18.01	18.01	18.01	19.00
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.21	23.17	23.04	24.00
5	QPSK	1	12	23.04	23.05	23.05	24.00
5	QPSK	1	24	23.01	23.11	23.00	24.00
5	QPSK	12	0	22.03	22.16	22.01	23.00
5	QPSK	12	7	22.02	22.05	22.01	23.00
5	QPSK	12	13	22.01	22.15	22.01	23.00
5	QPSK	25	0	22.05	22.00	22.00	23.00
5	16QAM	1	0	22.26	22.26	22.09	23.00
5	16QAM	1	12	22.19	22.26	22.16	23.00
5	16QAM	1	24	22.19	22.24	22.06	23.00
5	16QAM	12	0	21.02	21.06	21.00	22.00
5	16QAM	12	7	21.01	21.18	21.01	22.00
5	16QAM	12	13	21.00	21.16	21.04	22.00
5	16QAM	25	0	21.01	21.02	21.00	22.00
5	64QAM	1	0	21.01	21.03	21.00	22.00
5	64QAM	1	12	21.03	21.12	21.01	22.00
5	64QAM	1	24	21.19	21.24	21.14	22.00
5	64QAM	12	0	20.00	20.01	20.01	21.00
5	64QAM	12	7	20.00	20.08	20.01	21.00
5	64QAM	12	13	20.08	20.08	20.03	21.00
5	64QAM	25	0	20.01	20.03	20.02	21.00
5	256QAM	1	0	18.33	18.42	18.28	19.00
5	256QAM	1	12	18.05	18.23	18.05	19.00
5	256QAM	1	24	18.14	18.22	18.17	19.00
5	256QAM	12	0	18.00	18.02	18.00	19.00
5	256QAM	12	7	18.01	18.01	18.01	19.00
5	256QAM	12	13	18.01	18.14	18.09	19.00
5	256QAM	25	0	18.00	18.07	18.01	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.11	23.12	23.10	24.00
3	QPSK	1	8	23.01	23.13	23.01	24.00
3	QPSK	1	14	23.00	23.04	23.00	24.00
3	QPSK	8	0	22.00	22.11	22.07	23.00
3	QPSK	8	4	22.02	22.10	22.01	23.00
3	QPSK	8	7	22.00	22.15	22.05	23.00
3	QPSK	15	0	22.00	22.07	22.02	23.00
3	16QAM	1	0	22.31	22.24	22.08	23.00
3	16QAM	1	8	22.19	22.29	22.22	23.00
3	16QAM	1	14	22.18	22.28	22.00	23.00
3	16QAM	8	0	21.01	21.04	21.01	22.00
3	16QAM	8	4	21.01	21.12	21.00	22.00
3	16QAM	8	7	21.06	21.17	21.12	22.00
3	16QAM	15	0	21.02	21.08	21.00	22.00
3	64QAM	1	0	21.06	21.06	21.00	22.00
3	64QAM	1	8	21.09	21.16	21.04	22.00
3	64QAM	1	14	21.15	21.25	21.17	22.00
3	64QAM	8	0	20.00	20.03	20.00	21.00
3	64QAM	8	4	20.04	20.09	20.00	21.00
3	64QAM	8	7	20.03	20.16	20.02	21.00
3	64QAM	15	0	20.03	20.06	20.03	21.00
3	256QAM	1	0	18.32	18.41	18.34	19.00
3	256QAM	1	8	18.03	18.14	18.03	19.00
3	256QAM	1	14	18.16	18.18	18.04	19.00
3	256QAM	8	0	18.04	18.16	18.02	19.00
3	256QAM	8	4	18.01	18.07	18.01	19.00
3	256QAM	8	7	18.00	18.16	18.00	19.00
3	256QAM	15	0	18.00	18.10	18.01	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.09	23.13	23.06	24.00
1.4	QPSK	1	3	23.01	23.08	23.07	24.00
1.4	QPSK	1	5	23.06	23.03	23.01	24.00
1.4	QPSK	3	0	23.00	23.06	23.04	24.00
1.4	QPSK	3	1	23.01	23.04	23.01	24.00
1.4	QPSK	3	3	23.00	23.07	23.01	24.00
1.4	QPSK	6	0	22.00	22.09	22.01	23.00
1.4	16QAM	1	0	22.20	22.22	22.06	23.00
1.4	16QAM	1	3	22.19	22.36	22.23	23.00



1.4	16QAM	1	5	22.12	22.18	22.00	23.00
1.4	16QAM	3	0	22.01	22.11	22.00	23.00
1.4	16QAM	3	1	22.06	22.17	22.01	23.00
1.4	16QAM	3	3	22.04	22.08	22.09	23.00
1.4	16QAM	6	0	21.01	21.06	21.01	22.00
1.4	64QAM	1	0	21.00	21.11	21.01	22.00
1.4	64QAM	1	3	21.02	21.20	21.04	22.00
1.4	64QAM	1	5	21.18	21.26	21.12	22.00
1.4	64QAM	3	0	21.01	21.05	21.01	22.00
1.4	64QAM	3	1	21.02	21.04	21.00	22.00
1.4	64QAM	3	3	21.05	21.11	21.01	22.00
1.4	64QAM	6	0	20.02	20.08	20.05	21.00
1.4	256QAM	1	0	18.33	18.43	18.27	19.00
1.4	256QAM	1	3	18.01	18.20	18.10	19.00
1.4	256QAM	1	5	18.13	18.20	18.07	19.00
1.4	256QAM	3	0	18.00	18.05	18.00	19.00
1.4	256QAM	3	1	18.00	18.01	18.00	19.00
1.4	256QAM	3	3	18.05	18.07	18.00	19.00
1.4	256QAM	6	0	18.00	18.01	18.00	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.43	21.45	21.42	22.40
20	QPSK	1	49	21.13	21.29	21.16	22.40
20	QPSK	1	99	21.11	21.15	20.98	22.40
20	QPSK	50	0	21.33	21.35	21.31	22.40
20	QPSK	50	24	21.11	21.17	21.09	22.40
20	QPSK	50	50	21.13	21.18	21.12	22.40
20	QPSK	100	0	21.28	21.29	21.28	22.40
20	16QAM	1	0	20.99	21.16	21.06	22.40
20	16QAM	1	49	21.14	21.25	21.19	22.40
20	16QAM	1	99	21.14	21.18	21.11	22.40
20	16QAM	50	0	21.09	21.19	21.00	22.40
20	16QAM	50	24	21.08	21.21	21.02	22.40
20	16QAM	50	50	21.13	21.23	21.14	22.40
20	16QAM	100	0	21.01	21.14	21.01	22.40
20	64QAM	1	0	21.11	21.13	21.00	22.40
20	64QAM	1	49	21.12	21.25	21.11	22.40
20	64QAM	1	99	21.27	21.38	21.23	22.40
20	64QAM	50	0	20.07	20.11	20.02	21.00
20	64QAM	50	24	20.07	20.16	20.00	21.00
20	64QAM	50	50	20.18	20.21	20.07	21.00
20	64QAM	100	0	20.04	20.16	20.06	21.00
20	256QAM	1	0	18.37	18.50	18.41	19.00
20	256QAM	1	49	18.11	18.27	18.16	19.00
20	256QAM	1	99	18.17	18.26	18.19	19.00
20	256QAM	50	0	18.05	18.17	18.00	19.00
20	256QAM	50	24	18.00	18.11	18.00	19.00
20	256QAM	50	50	18.13	18.21	18.12	19.00
20	256QAM	100	0	18.02	18.12	18.01	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.38	21.32	21.38	22.40
15	QPSK	1	37	21.02	21.27	21.07	22.40
15	QPSK	1	74	20.96	21.05	20.86	22.40
15	QPSK	36	0	21.30	21.30	21.19	22.40
15	QPSK	36	20	21.07	21.05	21.06	22.40
15	QPSK	36	39	21.09	21.11	21.06	22.40
15	QPSK	75	0	21.15	21.21	21.27	22.40
15	16QAM	1	0	20.97	21.08	21.05	22.40
15	16QAM	1	37	21.07	21.22	21.12	22.40
15	16QAM	1	74	21.06	21.06	21.03	22.40
15	16QAM	36	0	21.00	21.11	20.91	22.40
15	16QAM	36	20	21.05	21.07	20.99	22.40
15	16QAM	36	39	21.04	21.09	21.12	22.40
15	16QAM	75	0	20.86	21.12	20.99	22.40
15	64QAM	1	0	21.06	21.07	20.94	22.40
15	64QAM	1	37	21.03	21.22	21.02	22.40
15	64QAM	1	74	21.15	21.23	21.12	22.40



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15	64QAM	36	0	20.03	20.04	19.89	21.00
15	64QAM	36	20	19.96	20.02	19.98	21.00
15	64QAM	36	39	20.04	20.10	19.99	21.00
15	64QAM	75	0	19.93	20.01	19.97	21.00
15	256QAM	1	0	18.24	18.48	18.26	19.00
15	256QAM	1	37	17.99	18.13	18.06	19.00
15	256QAM	1	74	18.06	18.21	18.13	19.00
15	256QAM	36	0	18.01	18.04	17.91	19.00
15	256QAM	36	20	17.87	17.98	17.98	19.00
15	256QAM	36	39	18.05	18.19	18.04	19.00
15	256QAM	75	0	17.95	18.03	17.98	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.32	21.39	21.31	22.40
10	QPSK	1	25	21.07	21.16	21.01	22.40
10	QPSK	1	49	21.07	21.14	20.92	22.40
10	QPSK	25	0	21.31	21.31	21.19	22.40
10	QPSK	25	12	20.97	21.07	21.04	22.40
10	QPSK	25	25	21.02	21.14	21.02	22.40
10	QPSK	50	0	21.20	21.24	21.20	22.40
10	16QAM	1	0	20.95	21.10	20.97	22.40
10	16QAM	1	25	21.10	21.21	21.15	22.40
10	16QAM	1	49	21.06	21.04	21.07	22.40
10	16QAM	25	0	21.04	21.06	20.91	22.40
10	16QAM	25	12	21.02	21.17	20.88	22.40
10	16QAM	25	25	21.03	21.10	21.01	22.40
10	16QAM	50	0	20.97	21.08	20.94	22.40
10	64QAM	1	0	21.02	20.99	20.97	22.40
10	64QAM	1	25	21.01	21.19	20.99	22.40
10	64QAM	1	49	21.26	21.31	21.12	22.40
10	64QAM	25	0	20.04	19.98	19.89	21.00
10	64QAM	25	12	20.06	20.13	19.93	21.00
10	64QAM	25	25	20.06	20.06	19.94	21.00
10	64QAM	50	0	19.92	20.10	19.92	21.00
10	256QAM	1	0	18.22	18.47	18.27	19.00
10	256QAM	1	25	18.05	18.20	18.14	19.00
10	256QAM	1	49	18.05	18.21	18.08	19.00
10	256QAM	25	0	18.01	18.06	17.87	19.00
10	256QAM	25	12	17.96	18.01	17.97	19.00
10	256QAM	25	25	18.10	18.10	17.99	19.00
10	256QAM	50	0	17.94	18.08	18.00	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.37	21.32	21.30	22.40
5	QPSK	1	12	21.06	21.27	21.12	22.40
5	QPSK	1	24	21.04	21.05	20.96	22.40
5	QPSK	12	0	21.30	21.32	21.22	22.40
5	QPSK	12	7	20.99	21.04	21.08	22.40
5	QPSK	12	13	21.02	21.13	20.97	22.40
5	QPSK	25	0	21.19	21.27	21.20	22.40
5	16QAM	1	0	20.86	21.07	21.01	22.40
5	16QAM	1	12	21.06	21.19	21.04	22.40
5	16QAM	1	24	21.08	21.13	21.02	22.40
5	16QAM	12	0	21.03	21.17	20.89	22.40
5	16QAM	12	7	21.01	21.12	20.91	22.40
5	16QAM	12	13	21.05	21.10	21.05	22.40
5	16QAM	25	0	20.95	21.10	20.86	22.40
5	64QAM	1	0	21.08	21.08	20.95	22.40
5	64QAM	1	12	21.02	21.16	21.07	22.40
5	64QAM	1	24	21.16	21.27	21.13	22.40
5	64QAM	12	0	20.00	19.97	20.00	21.00
5	64QAM	12	7	19.96	20.04	19.96	21.00
5	64QAM	12	13	20.04	20.12	19.94	21.00
5	64QAM	25	0	20.02	20.10	20.02	21.00
5	256QAM	1	0	18.22	18.37	18.27	19.00
5	256QAM	1	12	18.03	18.24	18.09	19.00
5	256QAM	1	24	18.03	18.14	18.13	19.00
5	256QAM	12	0	17.90	18.14	17.98	19.00
5	256QAM	12	7	17.87	18.09	17.99	19.00
5	256QAM	12	13	18.03	18.11	18.00	19.00
5	256QAM	25	0	17.95	17.98	17.93	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.39	21.36	21.31	22.40
3	QPSK	1	8	21.11	21.18	21.04	22.40
3	QPSK	1	14	21.02	21.10	20.95	22.40
3	QPSK	8	0	21.24	21.29	21.29	22.40
3	QPSK	8	4	21.02	21.09	21.01	22.40



3	QPSK	8	7	20.99	21.14	21.03	22.40
3	QPSK	15	0	21.24	21.20	21.13	22.40
3	16QAM	1	0	20.98	21.12	21.02	22.40
3	16QAM	1	8	21.04	21.14	21.13	22.40
3	16QAM	1	14	21.12	21.08	21.06	22.40
3	16QAM	8	0	21.04	21.11	20.87	22.40
3	16QAM	8	4	21.01	21.07	21.00	22.40
3	16QAM	8	7	21.11	21.21	21.02	22.40
3	16QAM	15	0	20.95	21.10	20.95	22.40
3	64QAM	1	0	21.04	21.08	20.90	22.40
3	64QAM	1	8	21.08	21.15	21.10	22.40
3	64QAM	1	14	21.25	21.32	21.13	22.40
3	64QAM	8	0	20.04	20.06	19.88	21.00
3	64QAM	8	4	19.95	20.13	19.99	21.00
3	64QAM	8	7	20.15	20.11	20.04	21.00
3	64QAM	15	0	19.94	20.02	19.94	21.00
3	256QAM	1	0	18.27	18.43	18.27	19.00
3	256QAM	1	8	18.08	18.23	18.04	19.00
3	256QAM	1	14	18.07	18.16	18.05	19.00
3	256QAM	8	0	18.01	18.11	17.97	19.00
3	256QAM	8	4	17.89	18.01	17.95	19.00
3	256QAM	8	7	18.10	18.09	17.98	19.00
3	256QAM	15	0	17.99	17.98	18.00	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.34	21.39	21.28	22.40
1.4	QPSK	1	3	21.03	21.14	21.11	22.40
1.4	QPSK	1	5	21.09	21.05	20.87	22.40
1.4	QPSK	3	0	21.28	21.31	21.18	22.40
1.4	QPSK	3	1	20.98	21.12	21.02	22.40
1.4	QPSK	3	3	21.02	21.13	21.00	22.40
1.4	QPSK	6	0	21.17	21.25	21.24	22.40
1.4	16QAM	1	0	20.84	21.02	20.98	22.40
1.4	16QAM	1	3	21.11	21.24	21.13	22.40
1.4	16QAM	1	5	21.12	21.05	21.05	22.40
1.4	16QAM	3	0	21.04	21.15	20.85	22.40
1.4	16QAM	3	1	20.96	21.18	20.96	22.40
1.4	16QAM	3	3	21.11	21.08	21.10	22.40
1.4	16QAM	6	0	20.87	21.05	20.90	22.40
1.4	64QAM	1	0	21.08	21.03	20.96	22.40
1.4	64QAM	1	3	21.03	21.14	21.04	22.40
1.4	64QAM	1	5	21.12	21.35	21.13	22.40
1.4	64QAM	3	0	20.93	21.08	20.98	22.40
1.4	64QAM	3	1	21.06	21.02	20.97	22.40
1.4	64QAM	3	3	21.13	21.11	20.94	22.40
1.4	64QAM	6	0	19.93	20.07	19.94	21.00
1.4	256QAM	1	0	18.34	18.36	18.38	19.00
1.4	256QAM	1	3	18.00	18.13	18.04	19.00
1.4	256QAM	1	5	18.13	18.22	18.14	19.00
1.4	256QAM	3	0	18.04	18.14	17.94	19.00
1.4	256QAM	3	1	17.94	18.06	17.90	19.00
1.4	256QAM	3	3	18.04	18.06	18.07	19.00
1.4	256QAM	6	0	18.01	18.02	17.97	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.41	18.43	18.39	19.50
20	QPSK	1	49	18.01	18.15	18.05	19.50
20	QPSK	1	99	18.17	18.28	18.15	19.50
20	QPSK	50	0	18.20	18.24	18.19	19.50
20	QPSK	50	24	18.15	18.19	18.07	19.50
20	QPSK	50	50	18.08	18.19	18.12	19.50
20	QPSK	100	0	18.12	18.17	18.15	19.50
20	16QAM	1	0	18.21	18.26	18.15	19.50
20	16QAM	1	49	18.07	18.15	17.97	19.50
20	16QAM	1	99	18.14	18.28	18.15	19.50
20	16QAM	50	0	18.18	18.26	18.09	19.50
20	16QAM	50	24	18.12	18.27	18.11	19.50
20	16QAM	50	50	18.23	18.31	18.22	19.50



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20	16QAM	100	0	18.17	18.24	18.18	19.50
20	64QAM	1	0	18.16	18.22	18.15	19.50
20	64QAM	1	49	18.11	18.22	18.07	19.50
20	64QAM	1	99	18.06	18.22	18.09	19.50
20	64QAM	50	0	18.09	18.14	18.08	19.50
20	64QAM	50	24	18.11	18.16	18.03	19.50
20	64QAM	50	50	17.99	18.15	18.06	19.50
20	64QAM	100	0	18.08	18.19	18.05	19.50
20	256QAM	1	0	18.06	18.16	18.04	19.00
20	256QAM	1	49	18.01	18.16	17.98	19.00
20	256QAM	1	99	18.02	18.15	18.02	19.00
20	256QAM	50	0	18.11	18.21	18.15	19.00
20	256QAM	50	24	18.10	18.22	18.11	19.00
20	256QAM	50	50	18.14	18.23	18.09	19.00
20	256QAM	100	0	18.17	18.25	18.06	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.35	18.42	18.32	19.50
15	QPSK	1	37	17.91	18.02	18.02	19.50
15	QPSK	1	74	18.05	18.14	18.08	19.50
15	QPSK	36	0	18.10	18.11	18.16	19.50
15	QPSK	36	20	18.01	18.16	17.92	19.50
15	QPSK	36	39	18.05	18.09	18.05	19.50
15	QPSK	75	0	18.00	18.13	18.08	19.50
15	16QAM	1	0	18.19	18.13	18.05	19.50
15	16QAM	1	37	17.94	18.11	17.88	19.50
15	16QAM	1	74	18.01	18.27	18.14	19.50
15	16QAM	36	0	18.05	18.20	18.08	19.50
15	16QAM	36	20	18.06	18.15	18.01	19.50
15	16QAM	36	39	18.14	18.27	18.09	19.50
15	16QAM	75	0	18.05	18.19	18.07	19.50
15	64QAM	1	0	18.03	18.16	18.02	19.50
15	64QAM	1	37	18.09	18.12	18.04	19.50
15	64QAM	1	74	17.97	18.13	17.99	19.50
15	64QAM	36	0	18.07	18.12	18.03	19.50
15	64QAM	36	20	18.00	18.08	17.90	19.50
15	64QAM	36	39	17.92	18.10	18.03	19.50
15	64QAM	75	0	17.99	18.14	18.02	19.50
15	256QAM	1	0	18.04	18.05	18.02	19.00
15	256QAM	1	37	17.98	18.09	17.87	19.00
15	256QAM	1	74	18.00	18.13	17.87	19.00
15	256QAM	36	0	18.07	18.13	18.06	19.00
15	256QAM	36	20	17.96	18.19	18.04	19.00
15	256QAM	36	39	18.07	18.10	17.97	19.00
15	256QAM	75	0	18.05	18.13	17.97	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.37	18.29	18.28	19.50
10	QPSK	1	25	17.91	18.03	17.99	19.50
10	QPSK	1	49	18.15	18.22	18.05	19.50
10	QPSK	25	0	18.09	18.10	18.15	19.50
10	QPSK	25	12	18.01	18.17	17.93	19.50
10	QPSK	25	25	18.04	18.15	18.04	19.50
10	QPSK	50	0	18.11	18.07	18.09	19.50
10	16QAM	1	0	18.08	18.20	18.05	19.50
10	16QAM	1	25	17.94	18.04	17.87	19.50
10	16QAM	1	49	18.09	18.15	18.10	19.50
10	16QAM	25	0	18.14	18.18	17.95	19.50
10	16QAM	25	12	18.06	18.23	17.99	19.50
10	16QAM	25	25	18.11	18.26	18.17	19.50
10	16QAM	50	0	18.06	18.13	18.11	19.50
10	64QAM	1	0	18.04	18.09	18.00	19.50
10	64QAM	1	25	18.06	18.14	18.05	19.50
10	64QAM	1	49	17.97	18.15	18.07	19.50
10	64QAM	25	0	18.03	18.02	17.93	19.50
10	64QAM	25	12	18.01	18.05	17.97	19.50
10	64QAM	25	25	17.97	18.04	18.00	19.50
10	64QAM	50	0	17.98	18.04	17.98	19.50
10	256QAM	1	0	18.01	18.02	17.98	19.00
10	256QAM	1	25	17.87	18.04	17.84	19.00
10	256QAM	1	49	17.93	18.08	17.94	19.00
10	256QAM	25	0	17.98	18.17	18.12	19.00
10	256QAM	25	12	18.01	18.13	18.03	19.00
10	256QAM	25	25	18.08	18.12	18.08	19.00
10	256QAM	50	0	18.09	18.18	18.01	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.28	18.34	18.31	19.50



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5	QPSK	1	12	17.93	18.08	17.95	19.50
5	QPSK	1	24	18.05	18.23	18.13	19.50
5	QPSK	12	0	18.17	18.13	18.07	19.50
5	QPSK	12	7	18.11	18.15	17.93	19.50
5	QPSK	12	13	18.01	18.09	18.10	19.50
5	QPSK	25	0	18.05	18.09	18.04	19.50
5	16QAM	1	0	18.19	18.16	18.08	19.50
5	16QAM	1	12	17.96	18.06	17.91	19.50
5	16QAM	1	24	18.12	18.22	18.08	19.50
5	16QAM	12	0	18.07	18.20	18.01	19.50
5	16QAM	12	7	18.08	18.12	18.07	19.50
5	16QAM	12	13	18.16	18.21	18.10	19.50
5	16QAM	25	0	18.11	18.21	18.12	19.50
5	64QAM	1	0	18.12	18.16	18.13	19.50
5	64QAM	1	12	18.02	18.16	18.06	19.50
5	64QAM	1	24	17.99	18.19	17.98	19.50
5	64QAM	12	0	18.08	18.02	18.06	19.50
5	64QAM	12	7	17.99	18.08	17.93	19.50
5	64QAM	12	13	17.94	18.14	18.03	19.50
5	64QAM	25	0	17.95	18.07	18.02	19.50
5	256QAM	1	0	17.99	18.06	17.96	19.00
5	256QAM	1	12	17.88	18.09	17.84	19.00
5	256QAM	1	24	17.88	18.08	17.96	19.00
5	256QAM	12	0	18.06	18.07	18.02	19.00
5	256QAM	12	7	18.00	18.08	18.04	19.00
5	256QAM	12	13	18.07	18.09	17.99	19.00
5	256QAM	25	0	18.14	18.15	18.01	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	18.30	18.40	18.25	19.50
3	QPSK	1	8	17.88	18.07	17.95	19.50
3	QPSK	1	14	18.06	18.25	18.10	19.50
3	QPSK	8	0	18.06	18.23	18.04	19.50
3	QPSK	8	4	18.11	18.09	17.96	19.50
3	QPSK	8	7	18.01	18.06	18.10	19.50
3	QPSK	15	0	18.03	18.10	18.08	19.50
3	16QAM	1	0	18.18	18.17	18.06	19.50
3	16QAM	1	8	17.98	18.13	17.86	19.50
3	16QAM	1	14	18.03	18.26	18.05	19.50
3	16QAM	8	0	18.15	18.12	18.02	19.50
3	16QAM	8	4	18.02	18.14	18.10	19.50
3	16QAM	8	7	18.16	18.22	18.18	19.50
3	16QAM	15	0	18.05	18.23	18.08	19.50
3	64QAM	1	0	18.13	18.20	18.08	19.50
3	64QAM	1	8	18.02	18.13	18.02	19.50
3	64QAM	1	14	18.03	18.09	17.99	19.50
3	64QAM	8	0	18.02	18.10	17.95	19.50
3	64QAM	8	4	18.08	18.10	17.98	19.50
3	64QAM	8	7	17.84	18.01	17.91	19.50
3	64QAM	15	0	18.00	18.10	17.96	19.50
3	256QAM	1	0	18.03	18.12	17.97	19.00
3	256QAM	1	8	17.94	18.01	17.85	19.00
3	256QAM	1	14	17.98	18.05	17.95	19.00
3	256QAM	8	0	17.99	18.19	18.04	19.00
3	256QAM	8	4	18.03	18.18	18.01	19.00
3	256QAM	8	7	18.05	18.09	17.94	19.00
3	256QAM	15	0	18.12	18.21	18.04	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	18.30	18.34	18.30	19.50
1.4	QPSK	1	3	17.96	18.07	17.95	19.50
1.4	QPSK	1	5	18.09	18.20	18.07	19.50
1.4	QPSK	3	0	18.07	18.15	18.11	19.50
1.4	QPSK	3	1	18.05	18.07	18.00	19.50
1.4	QPSK	3	3	18.06	18.16	18.04	19.50
1.4	QPSK	6	0	18.04	18.02	18.13	19.50
1.4	16QAM	1	0	18.19	18.17	18.05	19.50
1.4	16QAM	1	3	17.99	18.02	17.88	19.50
1.4	16QAM	1	5	18.07	18.13	18.12	19.50
1.4	16QAM	3	0	18.09	18.22	17.98	19.50
1.4	16QAM	3	1	18.02	18.14	18.00	19.50
1.4	16QAM	3	3	18.21	18.21	18.19	19.50
1.4	16QAM	6	0	18.14	18.10	18.10	19.50
1.4	64QAM	1	0	18.07	18.07	18.03	19.50
1.4	64QAM	1	3	17.98	18.09	18.06	19.50
1.4	64QAM	1	5	18.03	18.14	17.95	19.50
1.4	64QAM	3	0	17.99	18.08	17.94	19.50
1.4	64QAM	3	1	18.02	18.06	17.97	19.50



1.4	64QAM	3	3	17.97	18.07	17.94	19.50
1.4	64QAM	6	0	18.00	18.06	17.98	19.50
1.4	256QAM	1	0	17.99	18.02	18.01	19.00
1.4	256QAM	1	3	17.95	18.07	17.95	19.00
1.4	256QAM	1	5	17.95	18.10	17.93	19.00
1.4	256QAM	3	0	18.09	18.20	18.02	19.00
1.4	256QAM	3	1	18.01	18.08	18.08	19.00
1.4	256QAM	3	3	18.11	18.10	18.01	19.00
1.4	256QAM	6	0	18.11	18.11	17.92	19.00

【LTE Band 66_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.24	23.25	23.18	24.00
20	QPSK	1	49	23.07	23.18	23.10	24.00
20	QPSK	1	99	23.11	23.14	23.00	24.00
20	QPSK	50	0	22.09	22.20	22.12	23.00
20	QPSK	50	24	22.08	22.15	22.02	23.00
20	QPSK	50	50	22.03	22.19	22.10	23.00
20	QPSK	100	0	22.10	22.12	22.00	23.00
20	16QAM	1	0	22.33	22.35	22.20	23.00
20	16QAM	1	49	22.25	22.39	22.31	23.00
20	16QAM	1	99	22.25	22.31	22.10	23.00
20	16QAM	50	0	21.09	21.19	21.00	22.00
20	16QAM	50	24	21.08	21.21	21.02	22.00
20	16QAM	50	50	21.13	21.23	21.14	22.00
20	16QAM	100	0	21.01	21.14	21.01	22.00
20	64QAM	1	0	21.11	21.13	21.00	22.00
20	64QAM	1	49	21.12	21.25	21.11	22.00
20	64QAM	1	99	21.27	21.38	21.23	22.00
20	64QAM	50	0	20.07	20.11	20.02	21.00
20	64QAM	50	24	20.07	20.16	20.00	21.00
20	64QAM	50	50	20.18	20.21	20.07	21.00
20	64QAM	100	0	20.04	20.16	20.06	21.00
20	256QAM	1	0	18.37	18.50	18.41	19.00
20	256QAM	1	49	18.11	18.27	18.16	19.00
20	256QAM	1	99	18.17	18.26	18.19	19.00
20	256QAM	50	0	18.05	18.17	18.00	19.00
20	256QAM	50	24	18.00	18.11	18.00	19.00
20	256QAM	50	50	18.13	18.21	18.12	19.00
20	256QAM	100	0	18.02	18.12	18.01	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.12	23.15	23.15	24.00
15	QPSK	1	37	23.00	23.16	23.00	24.00
15	QPSK	1	74	23.01	23.02	23.00	24.00
15	QPSK	36	0	22.02	22.17	22.01	23.00
15	QPSK	36	20	22.01	22.08	22.01	23.00
15	QPSK	36	39	22.00	22.16	22.04	23.00
15	QPSK	75	0	22.01	22.05	22.01	23.00
15	16QAM	1	0	22.25	22.32	22.06	23.00
15	16QAM	1	37	22.22	22.36	22.23	23.00
15	16QAM	1	74	22.19	22.27	22.00	23.00
15	16QAM	36	0	21.03	21.08	21.01	22.00
15	16QAM	36	20	21.01	21.08	21.00	22.00
15	16QAM	36	39	21.07	21.19	21.11	22.00
15	16QAM	75	0	21.00	21.03	21.00	22.00
15	64QAM	1	0	21.09	21.07	21.00	22.00
15	64QAM	1	37	21.07	21.14	21.02	22.00
15	64QAM	1	74	21.17	21.24	21.13	22.00
15	64QAM	36	0	20.01	20.06	20.01	21.00
15	64QAM	36	20	20.01	20.13	20.01	21.00
15	64QAM	36	39	20.10	20.11	20.01	21.00
15	64QAM	75	0	20.00	20.09	20.00	21.00
15	256QAM	1	0	18.22	18.40	18.38	19.00
15	256QAM	1	37	18.05	18.25	18.12	19.00
15	256QAM	1	74	18.04	18.23	18.05	19.00
15	256QAM	36	0	18.01	18.12	18.02	19.00
15	256QAM	36	20	18.01	18.04	18.01	19.00
15	256QAM	36	39	18.02	18.12	18.01	19.00



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15	256QAM	75	0	18.01	18.04	18.00	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.11	23.14	23.15	24.00
10	QPSK	1	25	23.02	23.11	23.06	24.00
10	QPSK	1	49	23.00	23.06	23.01	24.00
10	QPSK	25	0	22.06	22.05	22.00	23.00
10	QPSK	25	12	22.00	22.00	22.00	23.00
10	QPSK	25	25	22.01	22.05	22.07	23.00
10	QPSK	50	0	22.04	22.05	22.00	23.00
10	16QAM	1	0	22.28	22.27	22.09	23.00
10	16QAM	1	25	22.12	22.31	22.22	23.00
10	16QAM	1	49	22.19	22.20	22.07	23.00
10	16QAM	25	0	21.01	21.11	21.00	22.00
10	16QAM	25	12	21.01	21.18	21.00	22.00
10	16QAM	25	25	21.02	21.11	21.10	22.00
10	16QAM	50	0	21.00	21.03	21.00	22.00
10	64QAM	1	0	21.09	21.00	21.02	22.00
10	64QAM	1	25	21.01	21.11	21.04	22.00
10	64QAM	1	49	21.25	21.28	21.12	22.00
10	64QAM	25	0	20.01	20.01	20.00	21.00
10	64QAM	25	12	20.05	20.01	20.01	21.00
10	64QAM	25	25	20.04	20.14	20.00	21.00
10	64QAM	50	0	20.01	20.13	20.05	21.00
10	256QAM	1	0	18.31	18.42	18.30	19.00
10	256QAM	1	25	18.04	18.21	18.02	19.00
10	256QAM	1	49	18.08	18.13	18.11	19.00
10	256QAM	25	0	18.02	18.11	18.00	19.00
10	256QAM	25	12	18.00	18.02	18.01	19.00
10	256QAM	25	25	18.04	18.11	18.01	19.00
10	256QAM	50	0	18.01	18.01	18.01	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.21	23.17	23.04	24.00
5	QPSK	1	12	23.04	23.05	23.05	24.00
5	QPSK	1	24	23.01	23.11	23.00	24.00
5	QPSK	12	0	22.03	22.16	22.01	23.00
5	QPSK	12	7	22.02	22.05	22.01	23.00
5	QPSK	12	13	22.01	22.15	22.01	23.00
5	QPSK	25	0	22.05	22.00	22.00	23.00
5	16QAM	1	0	22.26	22.26	22.09	23.00
5	16QAM	1	12	22.19	22.26	22.16	23.00
5	16QAM	1	24	22.19	22.24	22.06	23.00
5	16QAM	12	0	21.02	21.06	21.00	22.00
5	16QAM	12	7	21.01	21.18	21.01	22.00
5	16QAM	12	13	21.00	21.16	21.04	22.00
5	16QAM	25	0	21.01	21.02	21.00	22.00
5	64QAM	1	0	21.01	21.03	21.00	22.00
5	64QAM	1	12	21.03	21.12	21.01	22.00
5	64QAM	1	24	21.19	21.24	21.14	22.00
5	64QAM	12	0	20.00	20.01	20.01	21.00
5	64QAM	12	7	20.00	20.08	20.01	21.00
5	64QAM	12	13	20.08	20.08	20.03	21.00
5	64QAM	25	0	20.01	20.03	20.02	21.00
5	256QAM	1	0	18.33	18.42	18.28	19.00
5	256QAM	1	12	18.05	18.23	18.05	19.00
5	256QAM	1	24	18.14	18.22	18.17	19.00
5	256QAM	12	0	18.00	18.02	18.00	19.00
5	256QAM	12	7	18.01	18.01	18.01	19.00
5	256QAM	12	13	18.01	18.14	18.09	19.00
5	256QAM	25	0	18.00	18.07	18.01	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.11	23.12	23.10	24.00
3	QPSK	1	8	23.01	23.13	23.01	24.00
3	QPSK	1	14	23.00	23.04	23.00	24.00
3	QPSK	8	0	22.00	22.11	22.07	23.00
3	QPSK	8	4	22.02	22.10	22.01	23.00
3	QPSK	8	7	22.00	22.15	22.05	23.00
3	QPSK	15	0	22.00	22.07	22.02	23.00
3	16QAM	1	0	22.31	22.24	22.08	23.00
3	16QAM	1	8	22.19	22.29	22.22	23.00
3	16QAM	1	14	22.18	22.28	22.00	23.00
3	16QAM	8	0	21.01	21.04	21.01	22.00
3	16QAM	8	4	21.01	21.12	21.00	22.00
3	16QAM	8	7	21.06	21.17	21.12	22.00
3	16QAM	15	0	21.02	21.08	21.00	22.00
3	64QAM	1	0	21.06	21.06	21.00	22.00



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3	64QAM	1	8	21.09	21.16	21.04	22.00
3	64QAM	1	14	21.15	21.25	21.17	22.00
3	64QAM	8	0	20.00	20.03	20.00	21.00
3	64QAM	8	4	20.04	20.09	20.00	21.00
3	64QAM	8	7	20.03	20.16	20.02	21.00
3	64QAM	15	0	20.03	20.06	20.03	21.00
3	256QAM	1	0	18.32	18.41	18.34	19.00
3	256QAM	1	8	18.03	18.14	18.03	19.00
3	256QAM	1	14	18.16	18.18	18.04	19.00
3	256QAM	8	0	18.04	18.16	18.02	19.00
3	256QAM	8	4	18.01	18.07	18.01	19.00
3	256QAM	8	7	18.00	18.16	18.00	19.00
3	256QAM	15	0	18.00	18.10	18.01	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.09	23.13	23.06	24.00
1.4	QPSK	1	3	23.01	23.08	23.07	24.00
1.4	QPSK	1	5	23.06	23.03	23.01	24.00
1.4	QPSK	3	0	23.00	23.06	23.04	24.00
1.4	QPSK	3	1	23.01	23.04	23.01	24.00
1.4	QPSK	3	3	23.00	23.07	23.01	24.00
1.4	QPSK	6	0	22.00	22.09	22.01	23.00
1.4	16QAM	1	0	22.20	22.22	22.06	23.00
1.4	16QAM	1	3	22.19	22.36	22.23	23.00
1.4	16QAM	1	5	22.12	22.18	22.00	23.00
1.4	16QAM	3	0	22.01	22.11	22.00	23.00
1.4	16QAM	3	1	22.06	22.17	22.01	23.00
1.4	16QAM	3	3	22.04	22.08	22.09	23.00
1.4	16QAM	6	0	21.01	21.06	21.01	22.00
1.4	64QAM	1	0	21.00	21.11	21.01	22.00
1.4	64QAM	1	3	21.02	21.20	21.04	22.00
1.4	64QAM	1	5	21.18	21.26	21.12	22.00
1.4	64QAM	3	0	21.01	21.05	21.01	22.00
1.4	64QAM	3	1	21.02	21.04	21.00	22.00
1.4	64QAM	3	3	21.05	21.11	21.01	22.00
1.4	64QAM	6	0	20.02	20.08	20.05	21.00
1.4	256QAM	1	0	18.33	18.43	18.27	19.00
1.4	256QAM	1	3	18.01	18.20	18.10	19.00
1.4	256QAM	1	5	18.13	18.20	18.07	19.00
1.4	256QAM	3	0	18.00	18.05	18.00	19.00
1.4	256QAM	3	1	18.00	18.01	18.00	19.00
1.4	256QAM	3	3	18.05	18.07	18.00	19.00
1.4	256QAM	6	0	18.00	18.01	18.00	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.40	21.45	21.36	22.70
20	QPSK	1	49	21.10	21.20	21.06	22.70
20	QPSK	1	99	21.18	21.30	21.20	22.70
20	QPSK	50	0	21.27	21.30	21.25	22.70
20	QPSK	50	24	21.08	21.20	20.99	22.70
20	QPSK	50	50	21.10	21.26	21.05	22.70
20	QPSK	100	0	21.10	21.17	21.12	22.70
20	16QAM	1	0	21.07	21.21	21.09	22.70
20	16QAM	1	49	21.13	21.23	21.06	22.70
20	16QAM	1	99	21.09	21.25	21.09	22.70
20	16QAM	50	0	21.26	21.32	21.16	22.00
20	16QAM	50	24	21.12	21.25	21.11	22.00
20	16QAM	50	50	21.07	21.26	21.10	22.00
20	16QAM	100	0	21.07	21.17	20.94	22.00
20	64QAM	1	0	21.02	21.18	20.96	22.00
20	64QAM	1	49	21.02	21.18	21.06	22.00
20	64QAM	1	99	21.09	21.18	20.94	22.00
20	64QAM	50	0	20.09	20.27	20.05	21.00
20	64QAM	50	24	20.14	20.20	20.09	21.00
20	64QAM	50	50	20.13	20.25	20.04	21.00
20	64QAM	100	0	20.14	20.24	20.14	21.00
20	256QAM	1	0	18.16	18.29	18.07	19.00
20	256QAM	1	49	18.00	18.17	18.02	19.00



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20	256QAM	1	99	18.04	18.17	17.97	19.00
20	256QAM	50	0	18.20	18.34	18.13	19.00
20	256QAM	50	24	18.00	18.19	18.02	19.00
20	256QAM	50	50	18.21	18.30	18.21	19.00
20	256QAM	100	0	18.12	18.25	18.09	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.30	21.32	21.34	22.70
15	QPSK	1	37	21.00	21.16	20.93	22.70
15	QPSK	1	74	21.11	21.15	21.12	22.70
15	QPSK	36	0	21.24	21.16	21.21	22.70
15	QPSK	36	20	20.94	21.10	20.94	22.70
15	QPSK	36	39	21.04	21.24	20.98	22.70
15	QPSK	75	0	21.00	21.07	21.08	22.70
15	16QAM	1	0	21.01	21.08	21.07	22.70
15	16QAM	1	37	21.08	21.16	21.01	22.70
15	16QAM	1	74	21.05	21.23	20.96	22.70
15	16QAM	36	0	21.16	21.26	21.13	22.00
15	16QAM	36	20	21.03	21.19	21.07	22.00
15	16QAM	36	39	21.01	21.19	20.97	22.00
15	16QAM	75	0	21.01	21.08	20.80	22.00
15	64QAM	1	0	20.94	21.12	20.84	22.00
15	64QAM	1	37	20.88	21.09	21.04	22.00
15	64QAM	1	74	20.95	21.11	20.88	22.00
15	64QAM	36	0	19.95	20.18	19.96	21.00
15	64QAM	36	20	20.08	20.07	19.94	21.00
15	64QAM	36	39	19.99	20.24	19.94	21.00
15	64QAM	75	0	20.02	20.10	20.09	21.00
15	256QAM	1	0	18.08	18.20	17.99	19.00
15	256QAM	1	37	17.89	18.04	17.96	19.00
15	256QAM	1	74	17.91	18.05	17.95	19.00
15	256QAM	36	0	18.17	18.20	18.10	19.00
15	256QAM	36	20	17.93	18.14	18.00	19.00
15	256QAM	36	39	18.18	18.25	18.06	19.00
15	256QAM	75	0	17.98	18.11	18.06	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.31	21.32	21.26	22.70
10	QPSK	1	25	21.01	21.08	20.95	22.70
10	QPSK	1	49	21.12	21.17	21.13	22.70
10	QPSK	25	0	21.19	21.26	21.17	22.70
10	QPSK	25	12	20.97	21.11	20.95	22.70
10	QPSK	25	25	21.02	21.15	20.94	22.70
10	QPSK	50	0	21.02	21.14	21.11	22.70
10	16QAM	1	0	20.96	21.17	21.02	22.70
10	16QAM	1	25	21.08	21.21	21.00	22.70
10	16QAM	1	49	20.99	21.21	21.00	22.70
10	16QAM	25	0	21.17	21.18	21.11	22.00
10	16QAM	25	12	21.10	21.12	20.98	22.00
10	16QAM	25	25	20.98	21.21	21.07	22.00
10	16QAM	50	0	21.00	21.16	20.86	22.00
10	64QAM	1	0	21.01	21.17	20.93	22.00
10	64QAM	1	25	20.89	21.04	20.97	22.00
10	64QAM	1	49	20.98	21.08	20.80	22.00
10	64QAM	25	0	19.96	20.13	20.03	21.00
10	64QAM	25	12	20.01	20.10	19.99	21.00
10	64QAM	25	25	20.06	20.22	20.02	21.00
10	64QAM	50	0	20.10	20.15	20.06	21.00
10	256QAM	1	0	18.09	18.26	17.94	19.00
10	256QAM	1	25	17.90	18.05	17.92	19.00
10	256QAM	1	49	17.93	18.06	17.91	19.00
10	256QAM	25	0	18.11	18.20	18.00	19.00
10	256QAM	25	12	17.92	18.09	17.92	19.00
10	256QAM	25	25	18.20	18.18	18.13	19.00
10	256QAM	50	0	18.07	18.21	17.97	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.28	21.41	21.27	22.70
5	QPSK	1	12	21.01	21.15	21.04	22.70
5	QPSK	1	24	21.07	21.26	21.08	22.70
5	QPSK	12	0	21.15	21.25	21.21	22.70
5	QPSK	12	7	21.05	21.16	20.97	22.70
5	QPSK	12	13	20.95	21.22	20.95	22.70
5	QPSK	25	0	21.06	21.13	20.99	22.70
5	16QAM	1	0	21.03	21.16	20.96	22.70
5	16QAM	1	12	20.99	21.10	20.91	22.70
5	16QAM	1	24	21.07	21.13	20.97	22.70
5	16QAM	12	0	21.16	21.25	21.02	22.00



5	16QAM	12	7	21.02	21.10	21.08	22.00
5	16QAM	12	13	21.04	21.15	21.06	22.00
5	16QAM	25	0	21.01	21.04	20.89	22.00
5	64QAM	1	0	20.90	21.08	20.84	22.00
5	64QAM	1	12	20.98	21.09	21.03	22.00
5	64QAM	1	24	21.04	21.07	20.92	22.00
5	64QAM	12	0	20.01	20.21	19.98	21.00
5	64QAM	12	7	20.03	20.14	20.02	21.00
5	64QAM	12	13	20.08	20.13	20.00	21.00
5	64QAM	25	0	20.00	20.11	20.05	21.00
5	256QAM	1	0	18.08	18.26	18.04	19.00
5	256QAM	1	12	17.93	18.07	17.94	19.00
5	256QAM	1	24	17.92	18.09	17.87	19.00
5	256QAM	12	0	18.17	18.30	18.01	19.00
5	256QAM	12	7	17.96	18.11	17.97	19.00
5	256QAM	12	13	18.09	18.18	18.18	19.00
5	256QAM	25	0	17.98	18.14	18.06	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.26	21.35	21.27	22.70
3	QPSK	1	8	21.06	21.16	20.98	22.70
3	QPSK	1	14	21.17	21.24	21.08	22.70
3	QPSK	8	0	21.16	21.27	21.17	22.70
3	QPSK	8	4	21.03	21.09	20.94	22.70
3	QPSK	8	7	21.06	21.19	20.90	22.70
3	QPSK	15	0	21.06	21.03	21.10	22.70
3	16QAM	1	0	20.93	21.11	20.95	22.70
3	16QAM	1	8	20.99	21.19	20.96	22.70
3	16QAM	1	14	21.03	21.10	21.06	22.70
3	16QAM	8	0	21.14	21.22	21.10	22.00
3	16QAM	8	4	21.04	21.20	21.10	22.00
3	16QAM	8	7	20.95	21.18	21.09	22.00
3	16QAM	15	0	20.95	21.07	20.91	22.00
3	64QAM	1	0	20.88	21.10	20.81	22.00
3	64QAM	1	8	20.93	21.09	20.92	22.00
3	64QAM	1	14	21.03	21.04	20.88	22.00
3	64QAM	8	0	20.00	20.13	19.95	21.00
3	64QAM	8	4	20.06	20.19	19.96	21.00
3	64QAM	8	7	19.99	20.11	20.02	21.00
3	64QAM	15	0	20.00	20.12	20.12	21.00
3	256QAM	1	0	18.04	18.19	17.93	19.00
3	256QAM	1	8	17.95	18.03	17.99	19.00
3	256QAM	1	14	17.94	18.03	17.90	19.00
3	256QAM	8	0	18.09	18.29	18.00	19.00
3	256QAM	8	4	17.91	18.07	17.95	19.00
3	256QAM	8	7	18.18	18.17	18.19	19.00
3	256QAM	15	0	18.09	18.11	17.95	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.33	21.34	21.22	22.70
1.4	QPSK	1	3	21.00	21.18	21.01	22.70
1.4	QPSK	1	5	21.06	21.26	21.16	22.70
1.4	QPSK	3	0	21.15	21.24	21.11	22.70
1.4	QPSK	3	1	20.97	21.11	20.84	22.70
1.4	QPSK	3	3	21.06	21.17	20.91	22.70
1.4	QPSK	6	0	21.08	21.10	20.98	22.70
1.4	16QAM	1	0	21.04	21.15	21.07	22.70
1.4	16QAM	1	3	20.98	21.16	20.92	22.70
1.4	16QAM	1	5	21.07	21.10	21.03	22.70
1.4	16QAM	3	0	21.17	21.23	21.14	22.00
1.4	16QAM	3	1	21.10	21.12	21.01	22.00
1.4	16QAM	3	3	21.05	21.23	20.98	22.00
1.4	16QAM	6	0	21.05	21.13	20.88	22.00
1.4	64QAM	1	0	20.96	21.16	20.92	22.00
1.4	64QAM	1	3	20.93	21.15	20.98	22.00
1.4	64QAM	1	5	21.07	21.03	20.87	22.00
1.4	64QAM	3	0	21.06	21.22	21.03	22.00
1.4	64QAM	3	1	21.08	21.10	21.05	22.00
1.4	64QAM	3	3	21.07	21.23	20.97	22.00
1.4	64QAM	6	0	20.09	20.22	20.04	21.00
1.4	256QAM	1	0	18.05	18.20	17.93	19.00
1.4	256QAM	1	3	17.96	18.08	17.96	19.00
1.4	256QAM	1	5	17.97	18.05	17.95	19.00
1.4	256QAM	3	0	18.14	18.33	18.09	19.00
1.4	256QAM	3	1	17.96	18.05	18.00	19.00
1.4	256QAM	3	3	18.10	18.19	18.16	19.00
1.4	256QAM	6	0	18.05	18.17	17.95	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.41	18.43	18.39	19.50
20	QPSK	1	49	18.01	18.15	18.05	19.50
20	QPSK	1	99	18.17	18.28	18.15	19.50
20	QPSK	50	0	18.20	18.24	18.19	19.50
20	QPSK	50	24	18.15	18.19	18.07	19.50
20	QPSK	50	50	18.08	18.19	18.12	19.50
20	QPSK	100	0	18.12	18.17	18.15	19.50
20	16QAM	1	0	18.21	18.26	18.15	19.50
20	16QAM	1	49	18.07	18.15	17.97	19.50
20	16QAM	1	99	18.14	18.28	18.15	19.50
20	16QAM	50	0	18.18	18.26	18.09	19.50
20	16QAM	50	24	18.12	18.27	18.11	19.50
20	16QAM	50	50	18.23	18.31	18.22	19.50
20	16QAM	100	0	18.17	18.24	18.18	19.50
20	64QAM	1	0	18.16	18.22	18.15	19.50
20	64QAM	1	49	18.11	18.22	18.07	19.50
20	64QAM	1	99	18.06	18.22	18.09	19.50
20	64QAM	50	0	18.09	18.14	18.08	19.50
20	64QAM	50	24	18.11	18.16	18.03	19.50
20	64QAM	50	50	17.99	18.15	18.06	19.50
20	64QAM	100	0	18.08	18.19	18.05	19.50
20	256QAM	1	0	18.06	18.16	18.04	19.00
20	256QAM	1	49	18.01	18.16	17.98	19.00
20	256QAM	1	99	18.02	18.15	18.02	19.00
20	256QAM	50	0	18.11	18.21	18.15	19.00
20	256QAM	50	24	18.10	18.22	18.11	19.00
20	256QAM	50	50	18.14	18.23	18.09	19.00
20	256QAM	100	0	18.17	18.25	18.06	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.35	18.42	18.32	19.50
15	QPSK	1	37	17.91	18.02	18.02	19.50
15	QPSK	1	74	18.05	18.14	18.08	19.50
15	QPSK	36	0	18.10	18.11	18.16	19.50
15	QPSK	36	20	18.01	18.16	17.92	19.50
15	QPSK	36	39	18.05	18.09	18.05	19.50
15	QPSK	75	0	18.00	18.13	18.08	19.50
15	16QAM	1	0	18.19	18.13	18.05	19.50
15	16QAM	1	37	17.94	18.11	17.88	19.50
15	16QAM	1	74	18.01	18.27	18.14	19.50
15	16QAM	36	0	18.05	18.20	18.08	19.50
15	16QAM	36	20	18.06	18.15	18.01	19.50
15	16QAM	36	39	18.14	18.27	18.09	19.50
15	16QAM	75	0	18.05	18.19	18.07	19.50
15	64QAM	1	0	18.03	18.16	18.02	19.50
15	64QAM	1	37	18.09	18.12	18.04	19.50
15	64QAM	1	74	17.97	18.13	17.99	19.50
15	64QAM	36	0	18.07	18.12	18.03	19.50
15	64QAM	36	20	18.00	18.08	17.90	19.50
15	64QAM	36	39	17.92	18.10	18.03	19.50
15	64QAM	75	0	17.99	18.14	18.02	19.50
15	256QAM	1	0	18.04	18.05	18.02	19.00
15	256QAM	1	37	17.98	18.09	17.87	19.00
15	256QAM	1	74	18.00	18.13	17.87	19.00
15	256QAM	36	0	18.07	18.13	18.06	19.00
15	256QAM	36	20	17.96	18.19	18.04	19.00
15	256QAM	36	39	18.07	18.10	17.97	19.00
15	256QAM	75	0	18.05	18.13	17.97	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.37	18.29	18.28	19.50
10	QPSK	1	25	17.91	18.03	17.99	19.50
10	QPSK	1	49	18.15	18.22	18.05	19.50
10	QPSK	25	0	18.09	18.10	18.15	19.50
10	QPSK	25	12	18.01	18.17	17.93	19.50
10	QPSK	25	25	18.04	18.15	18.04	19.50
10	QPSK	50	0	18.11	18.07	18.09	19.50



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10	16QAM	1	0	18.08	18.20	18.05	19.50
10	16QAM	1	25	17.94	18.04	17.87	19.50
10	16QAM	1	49	18.09	18.15	18.10	19.50
10	16QAM	25	0	18.14	18.18	17.95	19.50
10	16QAM	25	12	18.06	18.23	17.99	19.50
10	16QAM	25	25	18.11	18.26	18.17	19.50
10	16QAM	50	0	18.06	18.13	18.11	19.50
10	64QAM	1	0	18.04	18.09	18.00	19.50
10	64QAM	1	25	18.06	18.14	18.05	19.50
10	64QAM	1	49	17.97	18.15	18.07	19.50
10	64QAM	25	0	18.03	18.02	17.93	19.50
10	64QAM	25	12	18.01	18.05	17.97	19.50
10	64QAM	25	25	17.97	18.04	18.00	19.50
10	64QAM	50	0	17.98	18.04	17.98	19.50
10	256QAM	1	0	18.01	18.02	17.98	19.00
10	256QAM	1	25	17.87	18.04	17.84	19.00
10	256QAM	1	49	17.93	18.08	17.94	19.00
10	256QAM	25	0	17.98	18.17	18.12	19.00
10	256QAM	25	12	18.01	18.13	18.03	19.00
10	256QAM	25	25	18.08	18.12	18.08	19.00
10	256QAM	50	0	18.09	18.18	18.01	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	18.28	18.34	18.31	19.50
5	QPSK	1	12	17.93	18.08	17.95	19.50
5	QPSK	1	24	18.05	18.23	18.13	19.50
5	QPSK	12	0	18.17	18.13	18.07	19.50
5	QPSK	12	7	18.11	18.15	17.93	19.50
5	QPSK	12	13	18.01	18.09	18.10	19.50
5	QPSK	25	0	18.05	18.09	18.04	19.50
5	16QAM	1	0	18.19	18.16	18.08	19.50
5	16QAM	1	12	17.96	18.06	17.91	19.50
5	16QAM	1	24	18.12	18.22	18.08	19.50
5	16QAM	12	0	18.07	18.20	18.01	19.50
5	16QAM	12	7	18.08	18.12	18.07	19.50
5	16QAM	12	13	18.16	18.21	18.10	19.50
5	16QAM	25	0	18.11	18.21	18.12	19.50
5	64QAM	1	0	18.12	18.16	18.13	19.50
5	64QAM	1	12	18.02	18.16	18.06	19.50
5	64QAM	1	24	17.99	18.19	17.98	19.50
5	64QAM	12	0	18.08	18.02	18.06	19.50
5	64QAM	12	7	17.99	18.08	17.93	19.50
5	64QAM	12	13	17.94	18.14	18.03	19.50
5	64QAM	25	0	17.95	18.07	18.02	19.50
5	256QAM	1	0	17.99	18.06	17.96	19.00
5	256QAM	1	12	17.88	18.09	17.84	19.00
5	256QAM	1	24	17.88	18.08	17.96	19.00
5	256QAM	12	0	18.06	18.07	18.02	19.00
5	256QAM	12	7	18.00	18.08	18.04	19.00
5	256QAM	12	13	18.07	18.09	17.99	19.00
5	256QAM	25	0	18.14	18.15	18.01	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	18.30	18.40	18.25	19.50
3	QPSK	1	8	17.88	18.07	17.95	19.50
3	QPSK	1	14	18.06	18.25	18.10	19.50
3	QPSK	8	0	18.06	18.23	18.04	19.50
3	QPSK	8	4	18.11	18.09	17.96	19.50
3	QPSK	8	7	18.01	18.06	18.10	19.50
3	QPSK	15	0	18.03	18.10	18.08	19.50
3	16QAM	1	0	18.18	18.17	18.06	19.50
3	16QAM	1	8	17.98	18.13	17.86	19.50
3	16QAM	1	14	18.03	18.26	18.05	19.50
3	16QAM	8	0	18.15	18.12	18.02	19.50
3	16QAM	8	4	18.02	18.14	18.10	19.50
3	16QAM	8	7	18.16	18.22	18.18	19.50
3	16QAM	15	0	18.05	18.23	18.08	19.50
3	64QAM	1	0	18.13	18.20	18.08	19.50
3	64QAM	1	8	18.02	18.13	18.02	19.50
3	64QAM	1	14	18.03	18.09	17.99	19.50
3	64QAM	8	0	18.02	18.10	17.95	19.50
3	64QAM	8	4	18.08	18.10	17.98	19.50
3	64QAM	8	7	17.84	18.01	17.91	19.50
3	64QAM	15	0	18.00	18.10	17.96	19.50
3	256QAM	1	0	18.03	18.12	17.97	19.00
3	256QAM	1	8	17.94	18.01	17.85	19.00
3	256QAM	1	14	17.98	18.05	17.95	19.00
3	256QAM	8	0	17.99	18.19	18.04	19.00



3	256QAM	8	4	18.03	18.18	18.01	19.00
3	256QAM	8	7	18.05	18.09	17.94	19.00
3	256QAM	15	0	18.12	18.21	18.04	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.30	18.34	18.30	19.50
1.4	QPSK	1	3	17.96	18.07	17.95	19.50
1.4	QPSK	1	5	18.09	18.20	18.07	19.50
1.4	QPSK	3	0	18.07	18.15	18.11	19.50
1.4	QPSK	3	1	18.05	18.07	18.00	19.50
1.4	QPSK	3	3	18.06	18.16	18.04	19.50
1.4	QPSK	6	0	18.04	18.02	18.13	19.50
1.4	16QAM	1	0	18.19	18.17	18.05	19.50
1.4	16QAM	1	3	17.99	18.02	17.88	19.50
1.4	16QAM	1	5	18.07	18.13	18.12	19.50
1.4	16QAM	3	0	18.09	18.22	17.98	19.50
1.4	16QAM	3	1	18.02	18.14	18.00	19.50
1.4	16QAM	3	3	18.21	18.21	18.19	19.50
1.4	16QAM	6	0	18.14	18.10	18.10	19.50
1.4	64QAM	1	0	18.07	18.07	18.03	19.50
1.4	64QAM	1	3	17.98	18.09	18.06	19.50
1.4	64QAM	1	5	18.03	18.14	17.95	19.50
1.4	64QAM	3	0	17.99	18.08	17.94	19.50
1.4	64QAM	3	1	18.02	18.06	17.97	19.50
1.4	64QAM	3	3	17.97	18.07	17.94	19.50
1.4	64QAM	6	0	18.00	18.06	17.98	19.50
1.4	256QAM	1	0	17.99	18.02	18.01	19.00
1.4	256QAM	1	3	17.95	18.07	17.95	19.00
1.4	256QAM	1	5	17.95	18.10	17.93	19.00
1.4	256QAM	3	0	18.09	18.20	18.02	19.00
1.4	256QAM	3	1	18.01	18.08	18.08	19.00
1.4	256QAM	3	3	18.11	18.10	18.01	19.00
1.4	256QAM	6	0	18.11	18.11	17.92	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.85	15.88	15.83	17.00
20	QPSK	1	49	15.78	15.79	15.77	17.00
20	QPSK	1	99	15.71	15.74	15.72	17.00
20	QPSK	50	0	15.84	15.85	15.80	17.00
20	QPSK	50	24	15.77	15.79	15.72	17.00
20	QPSK	50	50	15.74	15.74	15.77	17.00
20	QPSK	100	0	15.81	15.82	15.72	17.00
20	16QAM	1	0	15.71	15.84	15.73	17.00
20	16QAM	1	49	15.79	15.81	15.72	17.00
20	16QAM	1	99	15.76	15.76	15.70	17.00
20	16QAM	50	0	15.72	15.84	15.74	17.00
20	16QAM	50	24	15.81	15.85	15.75	17.00
20	16QAM	50	50	15.71	15.83	15.73	17.00
20	16QAM	100	0	15.70	15.83	15.69	17.00
20	64QAM	1	0	15.72	15.81	15.77	17.00
20	64QAM	1	49	15.79	15.75	15.69	17.00
20	64QAM	1	99	15.72	15.73	15.78	17.00
20	64QAM	50	0	15.80	15.77	15.73	17.00
20	64QAM	50	24	15.80	15.78	15.77	17.00
20	64QAM	50	50	15.80	15.81	15.71	17.00
20	64QAM	100	0	15.78	15.75	15.69	17.00
20	256QAM	1	0	15.77	15.81	15.78	17.00
20	256QAM	1	49	15.81	15.77	15.69	17.00
20	256QAM	1	99	15.77	15.75	15.71	17.00
20	256QAM	50	0	15.82	15.80	15.79	17.00
20	256QAM	50	24	15.74	15.76	15.70	17.00
20	256QAM	50	50	15.75	15.74	15.77	17.00
20	256QAM	100	0	15.81	15.74	15.79	17.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.79	15.77	15.70	17.00
15	QPSK	1	37	15.67	15.73	15.69	17.00
15	QPSK	1	74	15.67	15.68	15.62	17.00



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15	QPSK	36	0	15.71	15.83	15.69	17.00
15	QPSK	36	20	15.75	15.74	15.61	17.00
15	QPSK	36	39	15.62	15.73	15.76	17.00
15	QPSK	75	0	15.71	15.77	15.63	17.00
15	16QAM	1	0	15.63	15.71	15.68	17.00
15	16QAM	1	37	15.68	15.70	15.69	17.00
15	16QAM	1	74	15.72	15.68	15.63	17.00
15	16QAM	36	0	15.65	15.77	15.62	17.00
15	16QAM	36	20	15.77	15.74	15.67	17.00
15	16QAM	36	39	15.65	15.69	15.61	17.00
15	16QAM	75	0	15.55	15.71	15.68	17.00
15	64QAM	1	0	15.58	15.72	15.65	17.00
15	64QAM	1	37	15.76	15.67	15.64	17.00
15	64QAM	1	74	15.63	15.71	15.65	17.00
15	64QAM	36	0	15.69	15.70	15.68	17.00
15	64QAM	36	20	15.75	15.73	15.69	17.00
15	64QAM	36	39	15.65	15.73	15.61	17.00
15	64QAM	75	0	15.66	15.69	15.61	17.00
15	256QAM	1	0	15.75	15.73	15.73	17.00
15	256QAM	1	37	15.69	15.63	15.65	17.00
15	256QAM	1	74	15.74	15.73	15.67	17.00
15	256QAM	36	0	15.68	15.71	15.72	17.00
15	256QAM	36	20	15.71	15.69	15.60	17.00
15	256QAM	36	39	15.69	15.72	15.71	17.00
15	256QAM	75	0	15.66	15.73	15.74	17.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	15.73	15.81	15.78	17.00
10	QPSK	1	25	15.65	15.65	15.68	17.00
10	QPSK	1	49	15.65	15.63	15.62	17.00
10	QPSK	25	0	15.72	15.81	15.75	17.00
10	QPSK	25	12	15.73	15.70	15.68	17.00
10	QPSK	25	25	15.65	15.81	15.73	17.00
10	QPSK	50	0	15.72	15.67	15.63	17.00
10	16QAM	1	0	15.66	15.73	15.65	17.00
10	16QAM	1	25	15.74	15.75	15.69	17.00
10	16QAM	1	49	15.72	15.68	15.68	17.00
10	16QAM	25	0	15.67	15.74	15.62	17.00
10	16QAM	25	12	15.75	15.82	15.61	17.00
10	16QAM	25	25	15.69	15.78	15.65	17.00
10	16QAM	50	0	15.66	15.75	15.66	17.00
10	64QAM	1	0	15.67	15.72	15.68	17.00
10	64QAM	1	25	15.69	15.63	15.60	17.00
10	64QAM	1	49	15.66	15.71	15.74	17.00
10	64QAM	25	0	15.70	15.72	15.58	17.00
10	64QAM	25	12	15.73	15.73	15.69	17.00
10	64QAM	25	25	15.75	15.73	15.64	17.00
10	64QAM	50	0	15.64	15.71	15.56	17.00
10	256QAM	1	0	15.63	15.75	15.73	17.00
10	256QAM	1	25	15.73	15.65	15.61	17.00
10	256QAM	1	49	15.66	15.63	15.67	17.00
10	256QAM	25	0	15.70	15.75	15.67	17.00
10	256QAM	25	12	15.71	15.65	15.60	17.00
10	256QAM	25	25	15.66	15.72	15.70	17.00
10	256QAM	50	0	15.69	15.68	15.76	17.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	15.83	15.76	15.70	17.00
5	QPSK	1	12	15.64	15.71	15.76	17.00
5	QPSK	1	24	15.58	15.68	15.67	17.00
5	QPSK	12	0	15.63	15.74	15.67	17.00
5	QPSK	12	7	15.75	15.76	15.65	17.00
5	QPSK	12	13	15.61	15.69	15.72	17.00
5	QPSK	25	0	15.72	15.71	15.62	17.00
5	16QAM	1	0	15.60	15.80	15.61	17.00
5	16QAM	1	12	15.69	15.70	15.58	17.00
5	16QAM	1	24	15.64	15.63	15.59	17.00
5	16QAM	12	0	15.71	15.69	15.65	17.00
5	16QAM	12	7	15.79	15.78	15.64	17.00
5	16QAM	12	13	15.66	15.75	15.61	17.00
5	16QAM	25	0	15.62	15.73	15.62	17.00
5	64QAM	1	0	15.63	15.69	15.67	17.00
5	64QAM	1	12	15.75	15.72	15.59	17.00
5	64QAM	1	24	15.66	15.64	15.66	17.00
5	64QAM	12	0	15.67	15.64	15.71	17.00
5	64QAM	12	7	15.73	15.63	15.71	17.00
5	64QAM	12	13	15.70	15.73	15.60	17.00
5	64QAM	25	0	15.75	15.62	15.64	17.00



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5	256QAM	1	0	15.75	15.71	15.74	17.00
5	256QAM	1	12	15.76	15.65	15.61	17.00
5	256QAM	1	24	15.73	15.70	15.60	17.00
5	256QAM	12	0	15.70	15.71	15.76	17.00
5	256QAM	12	7	15.71	15.62	15.66	17.00
5	256QAM	12	13	15.73	15.65	15.68	17.00
5	256QAM	25	0	15.72	15.71	15.66	17.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.78	15.85	15.75	17.00
3	QPSK	1	8	15.75	15.66	15.69	17.00
3	QPSK	1	14	15.69	15.65	15.62	17.00
3	QPSK	8	0	15.60	15.75	15.76	17.00
3	QPSK	8	4	15.69	15.68	15.61	17.00
3	QPSK	8	7	15.66	15.83	15.76	17.00
3	QPSK	15	0	15.71	15.75	15.62	17.00
3	16QAM	1	0	15.61	15.74	15.71	17.00
3	16QAM	1	8	15.67	15.73	15.62	17.00
3	16QAM	1	14	15.62	15.73	15.64	17.00
3	16QAM	8	0	15.59	15.71	15.63	17.00
3	16QAM	8	4	15.70	15.82	15.63	17.00
3	16QAM	8	7	15.66	15.74	15.71	17.00
3	16QAM	15	0	15.58	15.72	15.59	17.00
3	64QAM	1	0	15.68	15.70	15.68	17.00
3	64QAM	1	8	15.76	15.72	15.62	17.00
3	64QAM	1	14	15.60	15.69	15.70	17.00
3	64QAM	8	0	15.75	15.71	15.72	17.00
3	64QAM	8	4	15.68	15.70	15.66	17.00
3	64QAM	8	7	15.69	15.79	15.63	17.00
3	64QAM	15	0	15.76	15.67	15.65	17.00
3	256QAM	1	0	15.71	15.77	15.77	17.00
3	256QAM	1	8	15.78	15.63	15.67	17.00
3	256QAM	1	14	15.68	15.69	15.56	17.00
3	256QAM	8	0	15.71	15.65	15.67	17.00
3	256QAM	8	4	15.61	15.75	15.66	17.00
3	256QAM	8	7	15.74	15.66	15.70	17.00
3	256QAM	15	0	15.67	15.63	15.67	17.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.80	15.79	15.68	17.00
1.4	QPSK	1	3	15.65	15.75	15.74	17.00
1.4	QPSK	1	5	15.62	15.69	15.65	17.00
1.4	QPSK	3	0	15.67	15.76	15.77	17.00
1.4	QPSK	3	1	15.66	15.74	15.65	17.00
1.4	QPSK	3	3	15.62	15.83	15.67	17.00
1.4	QPSK	6	0	15.76	15.69	15.59	17.00
1.4	16QAM	1	0	15.65	15.83	15.68	17.00
1.4	16QAM	1	3	15.74	15.78	15.70	17.00
1.4	16QAM	1	5	15.66	15.62	15.66	17.00
1.4	16QAM	3	0	15.61	15.81	15.61	17.00
1.4	16QAM	3	1	15.71	15.73	15.72	17.00
1.4	16QAM	3	3	15.62	15.80	15.67	17.00
1.4	16QAM	6	0	15.60	15.74	15.56	17.00
1.4	64QAM	1	0	15.67	15.73	15.74	17.00
1.4	64QAM	1	3	15.71	15.69	15.56	17.00
1.4	64QAM	1	5	15.69	15.59	15.73	17.00
1.4	64QAM	3	0	15.69	15.74	15.71	17.00
1.4	64QAM	3	1	15.79	15.65	15.70	17.00
1.4	64QAM	3	3	15.72	15.77	15.64	17.00
1.4	64QAM	6	0	15.72	15.64	15.58	17.00
1.4	256QAM	1	0	15.74	15.71	15.69	17.00
1.4	256QAM	1	3	15.72	15.62	15.67	17.00
1.4	256QAM	1	5	15.72	15.69	15.59	17.00
1.4	256QAM	3	0	15.69	15.73	15.77	17.00
1.4	256QAM	3	1	15.73	15.68	15.65	17.00
1.4	256QAM	3	3	15.73	15.71	15.67	17.00
1.4	256QAM	6	0	15.75	15.61	15.66	17.00



【LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00
15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00



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10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00



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15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00



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5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00



【LTE Band 66_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.23	21.19	22.30
20	QPSK	1	49	20.88	20.98	20.86	22.30
20	QPSK	1	99	20.97	21.01	20.87	22.30
20	QPSK	50	0	20.56	20.60	20.54	21.80
20	QPSK	50	24	20.50	20.56	20.48	21.80
20	QPSK	50	50	20.47	20.52	20.41	21.80
20	QPSK	100	0	20.54	20.61	20.51	21.80
20	16QAM	1	0	20.49	20.62	20.48	21.80
20	16QAM	1	49	20.36	20.46	20.38	21.80
20	16QAM	1	99	20.52	20.62	20.53	21.80
20	16QAM	50	0	19.39	19.46	19.37	20.80
20	16QAM	50	24	19.49	19.55	19.38	20.80
20	16QAM	50	50	19.51	19.61	19.46	20.80
20	16QAM	100	0	19.35	19.46	19.34	20.80
20	64QAM	1	0	19.35	19.48	19.33	20.80
20	64QAM	1	49	19.40	19.51	19.36	20.80
20	64QAM	1	99	19.54	19.58	19.51	20.80
20	64QAM	50	0	18.52	18.59	18.47	19.80
20	64QAM	50	24	18.35	18.45	18.35	19.80
20	64QAM	50	50	18.42	18.52	18.44	19.80
20	64QAM	100	0	18.46	18.49	18.41	19.80
20	256QAM	1	0	16.41	16.44	16.28	17.80
20	256QAM	1	49	16.43	16.48	16.43	17.80
20	256QAM	1	99	16.38	16.45	16.34	17.80
20	256QAM	50	0	16.36	16.48	16.36	17.80
20	256QAM	50	24	16.50	16.58	16.49	17.80
20	256QAM	50	50	16.58	16.62	16.57	17.80
20	256QAM	100	0	16.53	16.56	16.40	17.80
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.17	21.22	21.11	22.30
15	QPSK	1	37	20.87	20.96	20.75	22.30
15	QPSK	1	74	20.91	20.98	20.76	22.30
15	QPSK	36	0	20.45	20.50	20.45	21.80
15	QPSK	36	20	20.36	20.44	20.45	21.80
15	QPSK	36	39	20.37	20.40	20.36	21.80
15	QPSK	75	0	20.52	20.60	20.36	21.80
15	16QAM	1	0	20.36	20.52	20.43	21.80
15	16QAM	1	37	20.31	20.36	20.34	21.80
15	16QAM	1	74	20.41	20.52	20.40	21.80
15	16QAM	36	0	19.38	19.37	19.24	20.80
15	16QAM	36	20	19.42	19.45	19.27	20.80
15	16QAM	36	39	19.48	19.47	19.39	20.80
15	16QAM	75	0	19.22	19.43	19.29	20.80
15	64QAM	1	0	19.23	19.46	19.27	20.80
15	64QAM	1	37	19.38	19.50	19.30	20.80
15	64QAM	1	74	19.50	19.51	19.39	20.80
15	64QAM	36	0	18.43	18.53	18.45	19.80
15	64QAM	36	20	18.23	18.33	18.22	19.80
15	64QAM	36	39	18.30	18.37	18.40	19.80
15	64QAM	75	0	18.40	18.36	18.32	19.80
15	256QAM	1	0	16.32	16.34	16.24	17.80
15	256QAM	1	37	16.30	16.37	16.40	17.80
15	256QAM	1	74	16.31	16.41	16.21	17.80
15	256QAM	36	0	16.24	16.47	16.25	17.80
15	256QAM	36	20	16.40	16.44	16.43	17.80
15	256QAM	36	39	16.51	16.57	16.56	17.80
15	256QAM	75	0	16.49	16.48	16.33	17.80
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.21	21.18	21.09	22.30
10	QPSK	1	25	20.85	20.92	20.73	22.30
10	QPSK	1	49	20.94	21.00	20.76	22.30
10	QPSK	25	0	20.42	20.47	20.45	21.80
10	QPSK	25	12	20.35	20.42	20.36	21.80
10	QPSK	25	25	20.38	20.41	20.31	21.80
10	QPSK	50	0	20.42	20.50	20.44	21.80
10	16QAM	1	0	20.36	20.52	20.38	21.80
10	16QAM	1	25	20.22	20.44	20.32	21.80
10	16QAM	1	49	20.50	20.53	20.45	21.80
10	16QAM	25	0	19.32	19.38	19.29	20.80



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10	16QAM	25	12	19.38	19.49	19.33	20.80
10	16QAM	25	25	19.38	19.59	19.41	20.80
10	16QAM	50	0	19.25	19.44	19.28	20.80
10	64QAM	1	0	19.30	19.33	19.27	20.80
10	64QAM	1	25	19.29	19.43	19.23	20.80
10	64QAM	1	49	19.43	19.54	19.37	20.80
10	64QAM	25	0	18.38	18.51	18.41	19.80
10	64QAM	25	12	18.33	18.39	18.34	19.80
10	64QAM	25	25	18.34	18.42	18.36	19.80
10	64QAM	50	0	18.34	18.35	18.34	19.80
10	256QAM	1	0	16.40	16.32	16.18	17.80
10	256QAM	1	25	16.30	16.43	16.34	17.80
10	256QAM	1	49	16.24	16.34	16.21	17.80
10	256QAM	25	0	16.34	16.41	16.33	17.80
10	256QAM	25	12	16.40	16.52	16.37	17.80
10	256QAM	25	25	16.44	16.60	16.54	17.80
10	256QAM	50	0	16.49	16.46	16.30	17.80
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.13	21.10	21.15	22.30
5	QPSK	1	12	20.77	20.87	20.74	22.30
5	QPSK	1	24	20.94	20.93	20.80	22.30
5	QPSK	12	0	20.43	20.53	20.45	21.80
5	QPSK	12	7	20.48	20.49	20.35	21.80
5	QPSK	12	13	20.34	20.50	20.28	21.80
5	QPSK	25	0	20.47	20.58	20.37	21.80
5	16QAM	1	0	20.44	20.58	20.37	21.80
5	16QAM	1	12	20.24	20.36	20.29	21.80
5	16QAM	1	24	20.45	20.55	20.47	21.80
5	16QAM	12	0	19.36	19.43	19.23	20.80
5	16QAM	12	7	19.38	19.51	19.26	20.80
5	16QAM	12	13	19.37	19.48	19.45	20.80
5	16QAM	25	0	19.30	19.36	19.32	20.80
5	64QAM	1	0	19.27	19.42	19.31	20.80
5	64QAM	1	12	19.38	19.43	19.35	20.80
5	64QAM	1	24	19.45	19.57	19.39	20.80
5	64QAM	12	0	18.47	18.54	18.37	19.80
5	64QAM	12	7	18.29	18.38	18.25	19.80
5	64QAM	12	13	18.30	18.41	18.32	19.80
5	64QAM	25	0	18.37	18.42	18.37	19.80
5	256QAM	1	0	16.30	16.34	16.26	17.80
5	256QAM	1	12	16.42	16.33	16.34	17.80
5	256QAM	1	24	16.28	16.43	16.21	17.80
5	256QAM	12	0	16.22	16.46	16.30	17.80
5	256QAM	12	7	16.48	16.53	16.37	17.80
5	256QAM	12	13	16.53	16.55	16.43	17.80
5	256QAM	25	0	16.51	16.43	16.34	17.80
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.12	21.16	21.07	22.30
3	QPSK	1	8	20.78	20.95	20.76	22.30
3	QPSK	1	14	20.96	20.89	20.73	22.30
3	QPSK	8	0	20.54	20.47	20.50	21.80
3	QPSK	8	4	20.45	20.41	20.43	21.80
3	QPSK	8	7	20.38	20.38	20.29	21.80
3	QPSK	15	0	20.41	20.59	20.40	21.80
3	16QAM	1	0	20.45	20.61	20.40	21.80
3	16QAM	1	8	20.33	20.43	20.33	21.80
3	16QAM	1	14	20.46	20.52	20.39	21.80
3	16QAM	8	0	19.33	19.32	19.33	20.80
3	16QAM	8	4	19.45	19.50	19.30	20.80
3	16QAM	8	7	19.46	19.58	19.35	20.80
3	16QAM	15	0	19.23	19.37	19.32	20.80
3	64QAM	1	0	19.24	19.44	19.26	20.80
3	64QAM	1	8	19.33	19.49	19.34	20.80
3	64QAM	1	14	19.39	19.52	19.38	20.80
3	64QAM	8	0	18.46	18.54	18.37	19.80
3	64QAM	8	4	18.30	18.35	18.26	19.80
3	64QAM	8	7	18.36	18.47	18.37	19.80
3	64QAM	15	0	18.43	18.37	18.37	19.80
3	256QAM	1	0	16.33	16.42	16.26	17.80
3	256QAM	1	8	16.33	16.46	16.32	17.80
3	256QAM	1	14	16.32	16.39	16.20	17.80
3	256QAM	8	0	16.35	16.37	16.23	17.80
3	256QAM	8	4	16.49	16.53	16.46	17.80
3	256QAM	8	7	16.44	16.59	16.46	17.80
3	256QAM	15	0	16.50	16.49	16.37	17.80
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.16	21.19	21.09	22.30
1.4	QPSK	1	3	20.83	20.88	20.77	22.30
1.4	QPSK	1	5	20.92	20.99	20.77	22.30
1.4	QPSK	3	0	20.98	20.98	20.91	22.30
1.4	QPSK	3	1	20.89	21.00	20.91	22.30
1.4	QPSK	3	3	20.92	20.96	20.79	22.30
1.4	QPSK	6	0	20.42	20.51	20.39	21.80
1.4	16QAM	1	0	20.43	20.59	20.42	21.80
1.4	16QAM	1	3	20.31	20.36	20.36	21.80
1.4	16QAM	1	5	20.48	20.57	20.39	21.80
1.4	16QAM	3	0	20.33	20.43	20.29	21.80
1.4	16QAM	3	1	20.44	20.45	20.37	21.80
1.4	16QAM	3	3	20.43	20.47	20.42	21.80
1.4	16QAM	6	0	19.31	19.41	19.26	20.80
1.4	64QAM	1	0	19.29	19.45	19.23	20.80
1.4	64QAM	1	3	19.34	19.40	19.32	20.80
1.4	64QAM	1	5	19.49	19.56	19.44	20.80
1.4	64QAM	3	0	19.47	19.55	19.41	20.80
1.4	64QAM	3	1	19.34	19.36	19.25	20.80
1.4	64QAM	3	3	19.33	19.43	19.40	20.80
1.4	64QAM	6	0	18.44	18.42	18.33	19.80
1.4	256QAM	1	0	16.29	16.39	16.26	17.80
1.4	256QAM	1	3	16.28	16.37	16.30	17.80
1.4	256QAM	1	5	16.30	16.42	16.21	17.80
1.4	256QAM	3	0	16.35	16.47	16.30	17.80
1.4	256QAM	3	1	16.44	16.55	16.42	17.80
1.4	256QAM	3	3	16.50	16.58	16.49	17.80
1.4	256QAM	6	0	16.52	16.45	16.30	17.80

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00



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15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00



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5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00
15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00



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10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00

【LTE Band 66_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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.23	21.19	22.30
20	QPSK	1	49	20.88	20.98	20.86	22.30
20	QPSK	1	99	20.97	21.01	20.87	22.30
20	QPSK	50	0	20.56	20.60	20.54	21.80
20	QPSK	50	24	20.50	20.56	20.48	21.80
20	QPSK	50	50	20.47	20.52	20.41	21.80
20	QPSK	100	0	20.54	20.61	20.51	21.80
20	16QAM	1	0	20.49	20.62	20.48	21.80
20	16QAM	1	49	20.36	20.46	20.38	21.80
20	16QAM	1	99	20.52	20.62	20.53	21.80
20	16QAM	50	0	19.39	19.46	19.37	20.80
20	16QAM	50	24	19.49	19.55	19.38	20.80
20	16QAM	50	50	19.51	19.61	19.46	20.80
20	16QAM	100	0	19.35	19.46	19.34	20.80
20	64QAM	1	0	19.35	19.48	19.33	20.80
20	64QAM	1	49	19.40	19.51	19.36	20.80
20	64QAM	1	99	19.54	19.58	19.51	20.80
20	64QAM	50	0	18.52	18.59	18.47	19.80
20	64QAM	50	24	18.35	18.45	18.35	19.80
20	64QAM	50	50	18.42	18.52	18.44	19.80
20	64QAM	100	0	18.46	18.49	18.41	19.80
20	256QAM	1	0	16.41	16.44	16.28	17.80
20	256QAM	1	49	16.43	16.48	16.43	17.80
20	256QAM	1	99	16.38	16.45	16.34	17.80
20	256QAM	50	0	16.36	16.48	16.36	17.80
20	256QAM	50	24	16.50	16.58	16.49	17.80
20	256QAM	50	50	16.58	16.62	16.57	17.80
20	256QAM	100	0	16.53	16.56	16.40	17.80
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.17	21.22	21.11	22.30
15	QPSK	1	37	20.87	20.96	20.75	22.30
15	QPSK	1	74	20.91	20.98	20.76	22.30
15	QPSK	36	0	20.45	20.50	20.45	21.80
15	QPSK	36	20	20.36	20.44	20.45	21.80
15	QPSK	36	39	20.37	20.40	20.36	21.80
15	QPSK	75	0	20.52	20.60	20.36	21.80



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15	16QAM	1	0	20.36	20.52	20.43	21.80
15	16QAM	1	37	20.31	20.36	20.34	21.80
15	16QAM	1	74	20.41	20.52	20.40	21.80
15	16QAM	36	0	19.38	19.37	19.24	20.80
15	16QAM	36	20	19.42	19.45	19.27	20.80
15	16QAM	36	39	19.48	19.47	19.39	20.80
15	16QAM	75	0	19.22	19.43	19.29	20.80
15	64QAM	1	0	19.23	19.46	19.27	20.80
15	64QAM	1	37	19.38	19.50	19.30	20.80
15	64QAM	1	74	19.50	19.51	19.39	20.80
15	64QAM	36	0	18.43	18.53	18.45	19.80
15	64QAM	36	20	18.23	18.33	18.22	19.80
15	64QAM	36	39	18.30	18.37	18.40	19.80
15	64QAM	75	0	18.40	18.36	18.32	19.80
15	256QAM	1	0	16.32	16.34	16.24	17.80
15	256QAM	1	37	16.30	16.37	16.40	17.80
15	256QAM	1	74	16.31	16.41	16.21	17.80
15	256QAM	36	0	16.24	16.47	16.25	17.80
15	256QAM	36	20	16.40	16.44	16.43	17.80
15	256QAM	36	39	16.51	16.57	16.56	17.80
15	256QAM	75	0	16.49	16.48	16.33	17.80
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.21	21.18	21.09	22.30
10	QPSK	1	25	20.85	20.92	20.73	22.30
10	QPSK	1	49	20.94	21.00	20.76	22.30
10	QPSK	25	0	20.42	20.47	20.45	21.80
10	QPSK	25	12	20.35	20.42	20.36	21.80
10	QPSK	25	25	20.38	20.41	20.31	21.80
10	QPSK	50	0	20.42	20.50	20.44	21.80
10	16QAM	1	0	20.36	20.52	20.38	21.80
10	16QAM	1	25	20.22	20.44	20.32	21.80
10	16QAM	1	49	20.50	20.53	20.45	21.80
10	16QAM	25	0	19.32	19.38	19.29	20.80
10	16QAM	25	12	19.38	19.49	19.33	20.80
10	16QAM	25	25	19.38	19.59	19.41	20.80
10	16QAM	50	0	19.25	19.44	19.28	20.80
10	64QAM	1	0	19.30	19.33	19.27	20.80
10	64QAM	1	25	19.29	19.43	19.23	20.80
10	64QAM	1	49	19.43	19.54	19.37	20.80
10	64QAM	25	0	18.38	18.51	18.41	19.80
10	64QAM	25	12	18.33	18.39	18.34	19.80
10	64QAM	25	25	18.34	18.42	18.36	19.80
10	64QAM	50	0	18.34	18.35	18.34	19.80
10	256QAM	1	0	16.40	16.32	16.18	17.80
10	256QAM	1	25	16.30	16.43	16.34	17.80
10	256QAM	1	49	16.24	16.34	16.21	17.80
10	256QAM	25	0	16.34	16.41	16.33	17.80
10	256QAM	25	12	16.40	16.52	16.37	17.80
10	256QAM	25	25	16.44	16.60	16.54	17.80
10	256QAM	50	0	16.49	16.46	16.30	17.80
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.13	21.10	21.15	22.30
5	QPSK	1	12	20.77	20.87	20.74	22.30
5	QPSK	1	24	20.94	20.93	20.80	22.30
5	QPSK	12	0	20.43	20.53	20.45	21.80
5	QPSK	12	7	20.48	20.49	20.35	21.80
5	QPSK	12	13	20.34	20.50	20.28	21.80
5	QPSK	25	0	20.47	20.58	20.37	21.80
5	16QAM	1	0	20.44	20.58	20.37	21.80
5	16QAM	1	12	20.24	20.36	20.29	21.80
5	16QAM	1	24	20.45	20.55	20.47	21.80
5	16QAM	12	0	19.36	19.43	19.23	20.80
5	16QAM	12	7	19.38	19.51	19.26	20.80
5	16QAM	12	13	19.37	19.48	19.45	20.80
5	16QAM	25	0	19.30	19.36	19.32	20.80
5	64QAM	1	0	19.27	19.42	19.31	20.80
5	64QAM	1	12	19.38	19.43	19.35	20.80
5	64QAM	1	24	19.45	19.57	19.39	20.80
5	64QAM	12	0	18.47	18.54	18.37	19.80
5	64QAM	12	7	18.29	18.38	18.25	19.80
5	64QAM	12	13	18.30	18.41	18.32	19.80
5	64QAM	25	0	18.37	18.42	18.37	19.80
5	256QAM	1	0	16.30	16.34	16.26	17.80
5	256QAM	1	12	16.42	16.33	16.34	17.80
5	256QAM	1	24	16.28	16.43	16.21	17.80
5	256QAM	12	0	16.22	16.46	16.30	17.80



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5	256QAM	12	7	16.48	16.53	16.37	17.80
5	256QAM	12	13	16.53	16.55	16.43	17.80
5	256QAM	25	0	16.51	16.43	16.34	17.80
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.12	21.16	21.07	22.30
3	QPSK	1	8	20.78	20.95	20.76	22.30
3	QPSK	1	14	20.96	20.89	20.73	22.30
3	QPSK	8	0	20.54	20.47	20.50	21.80
3	QPSK	8	4	20.45	20.41	20.43	21.80
3	QPSK	8	7	20.38	20.38	20.29	21.80
3	QPSK	15	0	20.41	20.59	20.40	21.80
3	16QAM	1	0	20.45	20.61	20.40	21.80
3	16QAM	1	8	20.33	20.43	20.33	21.80
3	16QAM	1	14	20.46	20.52	20.39	21.80
3	16QAM	8	0	19.33	19.32	19.33	20.80
3	16QAM	8	4	19.45	19.50	19.30	20.80
3	16QAM	8	7	19.46	19.58	19.35	20.80
3	16QAM	15	0	19.23	19.37	19.32	20.80
3	64QAM	1	0	19.24	19.44	19.26	20.80
3	64QAM	1	8	19.33	19.49	19.34	20.80
3	64QAM	1	14	19.39	19.52	19.38	20.80
3	64QAM	8	0	18.46	18.54	18.37	19.80
3	64QAM	8	4	18.30	18.35	18.26	19.80
3	64QAM	8	7	18.36	18.47	18.37	19.80
3	64QAM	15	0	18.43	18.37	18.37	19.80
3	256QAM	1	0	16.33	16.42	16.26	17.80
3	256QAM	1	8	16.33	16.46	16.32	17.80
3	256QAM	1	14	16.32	16.39	16.20	17.80
3	256QAM	8	0	16.35	16.37	16.23	17.80
3	256QAM	8	4	16.49	16.53	16.46	17.80
3	256QAM	8	7	16.44	16.59	16.46	17.80
3	256QAM	15	0	16.50	16.49	16.37	17.80
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.16	21.19	21.09	22.30
1.4	QPSK	1	3	20.83	20.88	20.77	22.30
1.4	QPSK	1	5	20.92	20.99	20.77	22.30
1.4	QPSK	3	0	20.98	20.98	20.91	22.30
1.4	QPSK	3	1	20.89	21.00	20.91	22.30
1.4	QPSK	3	3	20.92	20.96	20.79	22.30
1.4	QPSK	6	0	20.42	20.51	20.39	21.80
1.4	16QAM	1	0	20.43	20.59	20.42	21.80
1.4	16QAM	1	3	20.31	20.36	20.36	21.80
1.4	16QAM	1	5	20.48	20.57	20.39	21.80
1.4	16QAM	3	0	20.33	20.43	20.29	21.80
1.4	16QAM	3	1	20.44	20.45	20.37	21.80
1.4	16QAM	3	3	20.43	20.47	20.42	21.80
1.4	16QAM	6	0	19.31	19.41	19.26	20.80
1.4	64QAM	1	0	19.29	19.45	19.23	20.80
1.4	64QAM	1	3	19.34	19.40	19.32	20.80
1.4	64QAM	1	5	19.49	19.56	19.44	20.80
1.4	64QAM	3	0	19.47	19.55	19.41	20.80
1.4	64QAM	3	1	19.34	19.36	19.25	20.80
1.4	64QAM	3	3	19.33	19.43	19.40	20.80
1.4	64QAM	6	0	18.44	18.42	18.33	19.80
1.4	256QAM	1	0	16.29	16.39	16.26	17.80
1.4	256QAM	1	3	16.28	16.37	16.30	17.80
1.4	256QAM	1	5	16.30	16.42	16.21	17.80
1.4	256QAM	3	0	16.35	16.47	16.30	17.80
1.4	256QAM	3	1	16.44	16.55	16.42	17.80
1.4	256QAM	3	3	16.50	16.58	16.49	17.80
1.4	256QAM	6	0	16.52	16.45	16.30	17.80



【LTE Band 66_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				132072	132322	132572	18.10
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.61	16.62	16.58	18.10
20	QPSK	1	49	16.41	16.49	16.41	18.10
20	QPSK	1	99	16.47	16.44	16.41	18.10
20	QPSK	50	0	16.52	16.58	16.51	18.10
20	QPSK	50	24	16.41	16.49	16.45	18.10
20	QPSK	50	50	16.43	16.44	16.44	18.10
20	QPSK	100	0	16.47	16.50	16.44	18.10
20	16QAM	1	0	16.49	16.51	16.44	18.10
20	16QAM	1	49	16.53	16.51	16.42	18.10
20	16QAM	1	99	16.44	16.44	16.50	18.10
20	16QAM	50	0	16.44	16.48	16.39	18.10
20	16QAM	50	24	16.44	16.51	16.44	18.10
20	16QAM	50	50	16.45	16.47	16.49	18.10
20	16QAM	100	0	16.45	16.50	16.47	18.10
20	64QAM	1	0	16.48	16.51	16.39	18.10
20	64QAM	1	49	16.52	16.51	16.46	18.10
20	64QAM	1	99	16.51	16.50	16.41	18.10
20	64QAM	50	0	16.52	16.43	16.46	18.10
20	64QAM	50	24	16.51	16.54	16.43	18.10
20	64QAM	50	50	16.44	16.46	16.39	18.10
20	64QAM	100	0	16.44	16.53	16.38	18.10
20	256QAM	1	0	16.52	16.51	16.44	18.10
20	256QAM	1	49	16.51	16.44	16.40	18.10
20	256QAM	1	99	16.43	16.52	16.42	18.10
20	256QAM	50	0	16.48	16.50	16.40	18.10
20	256QAM	50	24	16.48	16.52	16.40	18.10
20	256QAM	50	50	16.52	16.43	16.44	18.10
20	256QAM	100	0	16.42	16.43	16.43	18.10
Channel				132047	132322	132597	18.10
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.47	16.47	16.57	18.10
15	QPSK	1	37	16.31	16.38	16.27	18.10
15	QPSK	1	74	16.40	16.33	16.29	18.10
15	QPSK	36	0	16.49	16.55	16.32	18.10
15	QPSK	36	20	16.38	16.42	16.43	18.10
15	QPSK	36	39	16.39	16.31	16.38	18.10
15	QPSK	75	0	16.42	16.38	16.32	18.10
15	16QAM	1	0	16.43	16.46	16.31	18.10
15	16QAM	1	37	16.48	16.44	16.40	18.10
15	16QAM	1	74	16.31	16.40	16.45	18.10
15	16QAM	36	0	16.42	16.39	16.32	18.10
15	16QAM	36	20	16.43	16.38	16.39	18.10
15	16QAM	36	39	16.33	16.39	16.48	18.10
15	16QAM	75	0	16.32	16.47	16.37	18.10
15	64QAM	1	0	16.42	16.47	16.31	18.10
15	64QAM	1	37	16.43	16.37	16.36	18.10
15	64QAM	1	74	16.45	16.40	16.31	18.10
15	64QAM	36	0	16.50	16.28	16.44	18.10
15	64QAM	36	20	16.47	16.45	16.32	18.10
15	64QAM	36	39	16.39	16.32	16.36	18.10
15	64QAM	75	0	16.37	16.46	16.33	18.10
15	256QAM	1	0	16.38	16.47	16.33	18.10
15	256QAM	1	37	16.40	16.39	16.28	18.10
15	256QAM	1	74	16.38	16.46	16.32	18.10
15	256QAM	36	0	16.43	16.47	16.37	18.10
15	256QAM	36	20	16.37	16.46	16.39	18.10
15	256QAM	36	39	16.51	16.31	16.42	18.10
15	256QAM	75	0	16.28	16.41	16.33	18.10
Channel				132022	132322	132622	18.10
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	16.52	16.50	16.46	18.10
10	QPSK	1	25	16.37	16.35	16.34	18.10
10	QPSK	1	49	16.36	16.30	16.29	18.10
10	QPSK	25	0	16.42	16.53	16.28	18.10
10	QPSK	25	12	16.33	16.44	16.35	18.10
10	QPSK	25	25	16.47	16.41	16.37	18.10
10	QPSK	50	0	16.42	16.42	16.41	18.10
10	16QAM	1	0	16.45	16.46	16.35	18.10
10	16QAM	1	25	16.47	16.43	16.37	18.10
10	16QAM	1	49	16.31	16.39	16.48	18.10
10	16QAM	25	0	16.36	16.47	16.29	18.10



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10	16QAM	25	12	16.37	16.43	16.32	18.10
10	16QAM	25	25	16.38	16.34	16.38	18.10
10	16QAM	50	0	16.43	16.39	16.38	18.10
10	64QAM	1	0	16.34	16.46	16.24	18.10
10	64QAM	1	25	16.42	16.47	16.43	18.10
10	64QAM	1	49	16.42	16.44	16.27	18.10
10	64QAM	25	0	16.38	16.39	16.34	18.10
10	64QAM	25	12	16.36	16.50	16.31	18.10
10	64QAM	25	25	16.37	16.43	16.38	18.10
10	64QAM	50	0	16.41	16.47	16.27	18.10
10	256QAM	1	0	16.47	16.46	16.40	18.10
10	256QAM	1	25	16.36	16.42	16.39	18.10
10	256QAM	1	49	16.34	16.42	16.41	18.10
10	256QAM	25	0	16.46	16.42	16.25	18.10
10	256QAM	25	12	16.36	16.48	16.31	18.10
10	256QAM	25	25	16.38	16.33	16.37	18.10
10	256QAM	50	0	16.33	16.35	16.40	18.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	16.51	16.48	16.55	18.10
5	QPSK	1	12	16.32	16.44	16.40	18.10
5	QPSK	1	24	16.33	16.33	16.30	18.10
5	QPSK	12	0	16.40	16.46	16.31	18.10
5	QPSK	12	7	16.28	16.37	16.42	18.10
5	QPSK	12	13	16.39	16.39	16.34	18.10
5	QPSK	25	0	16.37	16.45	16.42	18.10
5	16QAM	1	0	16.45	16.45	16.30	18.10
5	16QAM	1	12	16.41	16.42	16.34	18.10
5	16QAM	1	24	16.42	16.35	16.36	18.10
5	16QAM	12	0	16.29	16.46	16.35	18.10
5	16QAM	12	7	16.41	16.46	16.35	18.10
5	16QAM	12	13	16.32	16.40	16.42	18.10
5	16QAM	25	0	16.32	16.40	16.37	18.10
5	64QAM	1	0	16.41	16.45	16.36	18.10
5	64QAM	1	12	16.50	16.46	16.37	18.10
5	64QAM	1	24	16.43	16.44	16.32	18.10
5	64QAM	12	0	16.47	16.37	16.32	18.10
5	64QAM	12	7	16.47	16.47	16.30	18.10
5	64QAM	12	13	16.30	16.33	16.37	18.10
5	64QAM	25	0	16.37	16.49	16.26	18.10
5	256QAM	1	0	16.50	16.40	16.37	18.10
5	256QAM	1	12	16.48	16.33	16.34	18.10
5	256QAM	1	24	16.30	16.38	16.40	18.10
5	256QAM	12	0	16.34	16.39	16.30	18.10
5	256QAM	12	7	16.37	16.49	16.34	18.10
5	256QAM	12	13	16.41	16.41	16.33	18.10
5	256QAM	25	0	16.30	16.35	16.41	18.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	16.53	16.53	16.48	18.10
3	QPSK	1	8	16.28	16.41	16.27	18.10
3	QPSK	1	14	16.44	16.40	16.35	18.10
3	QPSK	8	0	16.51	16.52	16.34	18.10
3	QPSK	8	4	16.26	16.46	16.31	18.10
3	QPSK	8	7	16.39	16.31	16.43	18.10
3	QPSK	15	0	16.34	16.45	16.41	18.10
3	16QAM	1	0	16.41	16.50	16.40	18.10
3	16QAM	1	8	16.48	16.48	16.35	18.10
3	16QAM	1	14	16.40	16.29	16.37	18.10
3	16QAM	8	0	16.30	16.44	16.36	18.10
3	16QAM	8	4	16.38	16.43	16.31	18.10
3	16QAM	8	7	16.34	16.40	16.35	18.10
3	16QAM	15	0	16.30	16.35	16.44	18.10
3	64QAM	1	0	16.35	16.38	16.29	18.10
3	64QAM	1	8	16.42	16.40	16.33	18.10
3	64QAM	1	14	16.50	16.38	16.34	18.10
3	64QAM	8	0	16.39	16.32	16.33	18.10
3	64QAM	8	4	16.40	16.49	16.28	18.10
3	64QAM	8	7	16.30	16.34	16.37	18.10
3	64QAM	15	0	16.30	16.44	16.34	18.10
3	256QAM	1	0	16.46	16.37	16.34	18.10
3	256QAM	1	8	16.49	16.36	16.38	18.10
3	256QAM	1	14	16.41	16.47	16.29	18.10
3	256QAM	8	0	16.39	16.49	16.36	18.10
3	256QAM	8	4	16.42	16.38	16.28	18.10
3	256QAM	8	7	16.39	16.37	16.38	18.10
3	256QAM	15	0	16.29	16.37	16.38	18.10
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	16.47	16.54	16.46	18.10
1.4	QPSK	1	3	16.28	16.40	16.39	18.10
1.4	QPSK	1	5	16.38	16.42	16.39	18.10
1.4	QPSK	3	0	16.48	16.52	16.28	18.10
1.4	QPSK	3	1	16.30	16.40	16.39	18.10
1.4	QPSK	3	3	16.44	16.35	16.40	18.10
1.4	QPSK	6	0	16.43	16.40	16.41	18.10
1.4	16QAM	1	0	16.45	16.38	16.35	18.10
1.4	16QAM	1	3	16.50	16.50	16.36	18.10
1.4	16QAM	1	5	16.41	16.42	16.39	18.10
1.4	16QAM	3	0	16.41	16.36	16.33	18.10
1.4	16QAM	3	1	16.37	16.50	16.38	18.10
1.4	16QAM	3	3	16.44	16.41	16.43	18.10
1.4	16QAM	6	0	16.38	16.40	16.39	18.10
1.4	64QAM	1	0	16.36	16.50	16.27	18.10
1.4	64QAM	1	3	16.38	16.44	16.44	18.10
1.4	64QAM	1	5	16.46	16.48	16.31	18.10
1.4	64QAM	3	0	16.39	16.31	16.45	18.10
1.4	64QAM	3	1	16.38	16.46	16.36	18.10
1.4	64QAM	3	3	16.39	16.37	16.26	18.10
1.4	64QAM	6	0	16.43	16.40	16.36	18.10
1.4	256QAM	1	0	16.39	16.44	16.42	18.10
1.4	256QAM	1	3	16.38	16.29	16.29	18.10
1.4	256QAM	1	5	16.36	16.40	16.33	18.10
1.4	256QAM	3	0	16.43	16.39	16.27	18.10
1.4	256QAM	3	1	16.46	16.48	16.34	18.10
1.4	256QAM	3	3	16.51	16.33	16.36	18.10
1.4	256QAM	6	0	16.34	16.42	16.41	18.10

【LTE Band 71_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00
20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00



15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00
10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00



5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00
20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00
15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00



10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00
5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00



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20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00
15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00
10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit



Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00
5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00
20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00



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15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00
10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00



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5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00
20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00
15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00



10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00
5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.22	23.30	23.29	24.00
20	QPSK	1	49	23.15	23.27	23.22	24.00
20	QPSK	1	99	23.02	23.14	23.00	24.00
20	QPSK	50	0	22.24	22.38	22.24	23.00
20	QPSK	50	24	22.20	22.37	22.32	23.00
20	QPSK	50	50	22.18	22.32	22.27	23.00
20	QPSK	100	0	22.17	22.31	22.19	23.00
20	16QAM	1	0	22.40	22.52	22.37	23.00
20	16QAM	1	49	22.28	22.48	22.41	23.00
20	16QAM	1	99	22.23	22.34	22.21	23.00
20	16QAM	50	0	21.18	21.37	21.24	22.00



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20	16QAM	50	24	21.25	21.43	21.36	22.00
20	16QAM	50	50	21.26	21.35	21.20	22.00
20	16QAM	100	0	21.02	21.23	21.20	22.00
20	64QAM	1	0	21.33	21.51	21.49	22.00
20	64QAM	1	49	21.29	21.50	21.41	22.00
20	64QAM	1	99	21.38	21.50	21.37	22.00
20	64QAM	50	0	20.32	20.44	20.29	21.00
20	64QAM	50	24	20.28	20.37	20.26	21.00
20	64QAM	50	50	20.14	20.28	20.14	21.00
20	64QAM	100	0	20.22	20.32	20.27	21.00
20	256QAM	1	0	18.17	18.36	18.24	19.00
20	256QAM	1	49	18.50	18.59	18.57	19.00
20	256QAM	1	99	18.25	18.33	18.31	19.00
20	256QAM	50	0	18.26	18.44	18.39	19.00
20	256QAM	50	24	18.17	18.34	18.26	19.00
20	256QAM	50	50	18.07	18.27	18.14	19.00
20	256QAM	100	0	18.13	18.31	18.26	19.00
Channel				133197	133297	133397	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	QPSK	1	0	23.12	23.27	23.15	24.00
15	QPSK	1	37	23.13	23.14	23.08	24.00
15	QPSK	1	74	23.00	23.09	22.87	24.00
15	QPSK	36	0	22.12	22.32	22.10	23.00
15	QPSK	36	20	22.15	22.23	22.25	23.00
15	QPSK	36	39	22.07	22.25	22.16	23.00
15	QPSK	75	0	22.02	22.22	22.05	23.00
15	16QAM	1	0	22.37	22.46	22.33	23.00
15	16QAM	1	37	22.21	22.44	22.37	23.00
15	16QAM	1	74	22.12	22.23	22.18	23.00
15	16QAM	36	0	21.07	21.35	21.11	22.00
15	16QAM	36	20	21.16	21.30	21.30	22.00
15	16QAM	36	39	21.15	21.23	21.13	22.00
15	16QAM	75	0	20.88	21.12	21.17	22.00
15	64QAM	1	0	21.30	21.38	21.39	22.00
15	64QAM	1	37	21.26	21.48	21.36	22.00
15	64QAM	1	74	21.32	21.45	21.25	22.00
15	64QAM	36	0	20.26	20.39	20.15	21.00
15	64QAM	36	20	20.27	20.27	20.19	21.00
15	64QAM	36	39	20.11	20.15	20.01	21.00
15	64QAM	75	0	20.14	20.20	20.23	21.00
15	256QAM	1	0	18.05	18.27	18.14	19.00
15	256QAM	1	37	18.40	18.46	18.55	19.00
15	256QAM	1	74	18.23	18.22	18.19	19.00
15	256QAM	36	0	18.25	18.38	18.25	19.00
15	256QAM	36	20	18.06	18.19	18.15	19.00
15	256QAM	36	39	17.98	18.26	18.00	19.00
15	256QAM	75	0	18.02	18.21	18.14	19.00
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	23.16	23.21	23.16	24.00
10	QPSK	1	25	23.08	23.21	23.09	24.00
10	QPSK	1	49	22.98	23.06	22.89	24.00
10	QPSK	25	0	22.12	22.25	22.14	23.00
10	QPSK	25	12	22.16	22.33	22.30	23.00
10	QPSK	25	25	22.12	22.21	22.24	23.00
10	QPSK	50	0	22.13	22.24	22.17	23.00
10	16QAM	1	0	22.29	22.37	22.26	23.00
10	16QAM	1	25	22.13	22.40	22.28	23.00
10	16QAM	1	49	22.14	22.21	22.08	23.00
10	16QAM	25	0	21.11	21.35	21.15	22.00
10	16QAM	25	12	21.11	21.30	21.22	22.00
10	16QAM	25	25	21.13	21.26	21.12	22.00
10	16QAM	50	0	20.88	21.09	21.09	22.00
10	64QAM	1	0	21.27	21.44	21.36	22.00
10	64QAM	1	25	21.17	21.35	21.35	22.00
10	64QAM	1	49	21.34	21.36	21.33	22.00
10	64QAM	25	0	20.19	20.31	20.14	21.00
10	64QAM	25	12	20.19	20.36	20.21	21.00
10	64QAM	25	25	19.99	20.23	20.09	21.00
10	64QAM	50	0	20.09	20.18	20.20	21.00
10	256QAM	1	0	18.04	18.32	18.20	19.00
10	256QAM	1	25	18.44	18.49	18.43	19.00
10	256QAM	1	49	18.13	18.22	18.17	19.00
10	256QAM	25	0	18.13	18.39	18.24	19.00
10	256QAM	25	12	18.12	18.32	18.22	19.00
10	256QAM	25	25	17.99	18.18	18.04	19.00
10	256QAM	50	0	18.01	18.22	18.22	19.00
Channel				133147	133297	133447	Tune-up limit

Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.20	23.20	23.27	24.00
5	QPSK	1	12	23.04	23.15	23.09	24.00
5	QPSK	1	24	22.99	23.11	22.89	24.00
5	QPSK	12	0	22.15	22.34	22.20	23.00
5	QPSK	12	7	22.17	22.33	22.25	23.00
5	QPSK	12	13	22.10	22.22	22.22	23.00
5	QPSK	25	0	22.10	22.22	22.07	23.00
5	16QAM	1	0	22.30	22.46	22.32	23.00
5	16QAM	1	12	22.20	22.41	22.39	23.00
5	16QAM	1	24	22.14	22.32	22.17	23.00
5	16QAM	12	0	21.10	21.36	21.21	22.00
5	16QAM	12	7	21.12	21.41	21.22	22.00
5	16QAM	12	13	21.13	21.20	21.09	22.00
5	16QAM	25	0	20.88	21.11	21.06	22.00
5	64QAM	1	0	21.25	21.40	21.35	22.00
5	64QAM	1	12	21.15	21.48	21.34	22.00
5	64QAM	1	24	21.25	21.46	21.27	22.00
5	64QAM	12	0	20.28	20.38	20.16	21.00
5	64QAM	12	7	20.17	20.28	20.18	21.00
5	64QAM	12	13	20.11	20.17	20.07	21.00
5	64QAM	25	0	20.20	20.26	20.18	21.00
5	256QAM	1	0	18.15	18.30	18.13	19.00
5	256QAM	1	12	18.46	18.49	18.53	19.00
5	256QAM	1	24	18.10	18.27	18.18	19.00
5	256QAM	12	0	18.21	18.33	18.28	19.00
5	256QAM	12	7	18.16	18.26	18.14	19.00
5	256QAM	12	13	17.95	18.20	18.13	19.00
5	256QAM	25	0	18.09	18.23	18.11	19.00

【LTE Band 71_Ant 0_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	19.98	20.01	19.97	21.20
20	QPSK	1	49	19.93	19.89	19.86	21.20
20	QPSK	1	99	19.86	19.90	19.84	21.20
20	QPSK	50	0	19.92	19.98	19.93	21.20
20	QPSK	50	24	19.90	19.94	19.83	21.20
20	QPSK	50	50	19.92	19.86	19.84	21.20
20	QPSK	100	0	19.86	19.93	19.93	21.20
20	16QAM	1	0	19.89	19.92	19.91	21.20
20	16QAM	1	49	19.92	19.88	19.92	21.20
20	16QAM	1	99	19.94	19.87	19.92	21.20
20	16QAM	50	0	19.95	19.88	19.84	21.20
20	16QAM	50	24	19.84	19.91	19.89	21.20
20	16QAM	50	50	19.92	19.95	19.92	21.20
20	16QAM	100	0	19.85	19.93	19.87	21.20
20	64QAM	1	0	19.95	19.96	19.84	21.20
20	64QAM	1	49	19.89	19.97	19.82	21.20
20	64QAM	1	99	19.91	19.98	19.91	21.20
20	64QAM	50	0	19.66	19.74	19.69	21.00
20	64QAM	50	24	19.67	19.71	19.72	21.00
20	64QAM	50	50	19.66	19.71	19.62	21.00
20	64QAM	100	0	19.71	19.68	19.64	21.00
20	256QAM	1	0	17.96	18.05	17.98	19.00
20	256QAM	1	49	17.93	18.03	18.02	19.00
20	256QAM	1	99	18.02	18.08	18.02	19.00
20	256QAM	50	0	17.95	18.07	17.98	19.00
20	256QAM	50	24	17.95	18.03	17.93	19.00
20	256QAM	50	50	17.96	18.02	17.96	19.00
20	256QAM	100	0	17.97	18.04	17.94	19.00
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	19.91	19.93	19.95	21.20
15	QPSK	1	37	19.79	19.80	19.78	21.20
15	QPSK	1	74	19.73	19.78	19.74	21.20
15	QPSK	36	0	19.90	19.92	19.86	21.20
15	QPSK	36	20	19.88	19.90	19.81	21.20
15	QPSK	36	39	19.78	19.76	19.81	21.20
15	QPSK	75	0	19.78	19.85	19.91	21.20