



【LTE Band 38_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.84	23.95	23.95	25.00
20	QPSK	1	49	23.71	23.94	23.92	25.00
20	QPSK	1	99	23.57	23.82	23.74	25.00
20	QPSK	50	0	22.85	23.06	22.97	24.00
20	QPSK	50	24	22.89	23.01	22.94	24.00
20	QPSK	50	50	22.83	23.03	22.98	24.00
20	QPSK	100	0	22.81	22.96	22.87	24.00
20	16QAM	1	0	22.73	22.95	22.90	24.00
20	16QAM	1	49	22.65	22.88	22.83	24.00
20	16QAM	1	99	22.56	22.79	22.68	24.00
20	16QAM	50	0	21.73	21.96	21.85	23.00
20	16QAM	50	24	21.81	22.01	21.90	23.00
20	16QAM	50	50	21.84	22.02	21.88	23.00
20	16QAM	100	0	21.78	21.96	21.93	23.00
20	64QAM	1	0	21.81	22.01	21.86	23.00
20	64QAM	1	49	21.89	22.02	21.91	23.00
20	64QAM	1	99	21.61	21.85	21.76	23.00
20	64QAM	50	0	20.83	20.94	20.92	22.00
20	64QAM	50	24	20.75	20.98	20.96	22.00
20	64QAM	50	50	20.87	21.06	21.01	22.00
20	64QAM	100	0	20.79	20.99	20.84	22.00
20	256QAM	1	0	18.67	18.85	18.72	20.00
20	256QAM	1	49	18.87	19.04	19.00	20.00
20	256QAM	1	99	18.76	18.99	18.97	20.00
20	256QAM	50	0	18.77	18.96	18.87	20.00
20	256QAM	50	24	18.83	18.98	18.85	20.00
20	256QAM	50	50	18.87	19.01	18.92	20.00
20	256QAM	100	0	18.74	18.95	18.83	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.73	23.92	23.91	25.00
15	QPSK	1	37	23.56	23.82	23.85	25.00
15	QPSK	1	74	23.43	23.79	23.64	25.00
15	QPSK	36	0	22.80	23.04	22.95	24.00
15	QPSK	36	20	22.81	22.94	22.89	24.00
15	QPSK	36	39	22.81	22.94	22.86	24.00
15	QPSK	75	0	22.71	22.83	22.84	24.00
15	16QAM	1	0	22.63	22.89	22.78	24.00
15	16QAM	1	37	22.57	22.75	22.70	24.00
15	16QAM	1	74	22.46	22.67	22.61	24.00
15	16QAM	36	0	21.61	21.93	21.73	23.00
15	16QAM	36	20	21.72	21.90	21.80	23.00
15	16QAM	36	39	21.76	21.91	21.77	23.00
15	16QAM	75	0	21.66	21.84	21.84	23.00
15	64QAM	1	0	21.76	21.96	21.73	23.00
15	64QAM	1	37	21.85	21.92	21.81	23.00
15	64QAM	1	74	21.47	21.71	21.66	23.00
15	64QAM	36	0	20.71	20.87	20.80	22.00
15	64QAM	36	20	20.63	20.90	20.89	22.00
15	64QAM	36	39	20.76	20.96	20.92	22.00
15	64QAM	75	0	20.77	20.94	20.79	22.00
15	256QAM	1	0	18.56	18.72	18.62	20.00
15	256QAM	1	37	18.77	18.89	18.96	20.00
15	256QAM	1	74	18.70	18.95	18.89	20.00
15	256QAM	36	0	18.73	18.82	18.81	20.00
15	256QAM	36	20	18.77	18.95	18.80	20.00
15	256QAM	36	39	18.83	18.86	18.83	20.00
15	256QAM	75	0	18.61	18.86	18.77	20.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.81	23.82	23.92	25.00
10	QPSK	1	25	23.70	23.87	23.78	25.00
10	QPSK	1	49	23.45	23.74	23.71	25.00
10	QPSK	25	0	22.84	22.93	22.82	24.00
10	QPSK	25	12	22.80	22.98	22.86	24.00
10	QPSK	25	25	22.72	22.89	22.95	24.00
10	QPSK	50	0	22.75	22.85	22.77	24.00
10	16QAM	1	0	22.67	22.93	22.87	24.00
10	16QAM	1	25	22.57	22.82	22.75	24.00
10	16QAM	1	49	22.46	22.70	22.67	24.00
10	16QAM	25	0	21.63	21.89	21.76	23.00

10	16QAM	25	12	21.68	21.90	21.80	23.00
10	16QAM	25	25	21.74	21.95	21.77	23.00
10	16QAM	50	0	21.69	21.86	21.89	23.00
10	64QAM	1	0	21.72	21.87	21.81	23.00
10	64QAM	1	25	21.83	22.01	21.84	23.00
10	64QAM	1	49	21.48	21.77	21.71	23.00
10	64QAM	25	0	20.71	20.83	20.86	22.00
10	64QAM	25	12	20.71	20.95	20.94	22.00
10	64QAM	25	25	20.84	21.03	20.87	22.00
10	64QAM	50	0	20.73	20.92	20.83	22.00
10	256QAM	1	0	18.59	18.75	18.58	20.00
10	256QAM	1	25	18.77	18.94	18.87	20.00
10	256QAM	1	49	18.64	18.91	18.94	20.00
10	256QAM	25	0	18.70	18.88	18.74	20.00
10	256QAM	25	12	18.69	18.97	18.71	20.00
10	256QAM	25	25	18.75	18.92	18.90	20.00
10	256QAM	50	0	18.69	18.81	18.81	20.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.81	23.90	23.91	25.00
5	QPSK	1	12	23.61	23.87	23.91	25.00
5	QPSK	1	24	23.47	23.78	23.68	25.00
5	QPSK	12	0	22.74	23.00	22.92	24.00
5	QPSK	12	7	22.86	22.89	22.89	24.00
5	QPSK	12	13	22.76	22.99	22.96	24.00
5	QPSK	25	0	22.75	22.81	22.73	24.00
5	16QAM	1	0	22.68	22.93	22.88	24.00
5	16QAM	1	12	22.62	22.75	22.77	24.00
5	16QAM	1	24	22.51	22.73	22.62	24.00
5	16QAM	12	0	21.69	21.84	21.75	23.00
5	16QAM	12	7	21.67	21.89	21.75	23.00
5	16QAM	12	13	21.76	21.87	21.75	23.00
5	16QAM	25	0	21.65	21.90	21.84	23.00
5	64QAM	1	0	21.71	21.99	21.71	23.00
5	64QAM	1	12	21.81	21.99	21.89	23.00
5	64QAM	1	24	21.56	21.77	21.72	23.00
5	64QAM	12	0	20.78	20.87	20.85	22.00
5	64QAM	12	7	20.70	20.91	20.82	22.00
5	64QAM	12	13	20.74	21.00	20.98	22.00
5	64QAM	25	0	20.72	20.85	20.70	22.00
5	256QAM	1	0	18.61	18.72	18.68	20.00
5	256QAM	1	12	18.75	19.01	18.98	20.00
5	256QAM	1	24	18.64	18.94	18.95	20.00
5	256QAM	12	0	18.65	18.92	18.83	20.00
5	256QAM	12	7	18.74	18.85	18.71	20.00
5	256QAM	12	13	18.81	18.93	18.83	20.00
5	256QAM	25	0	18.67	18.81	18.81	20.00

【LTE Band 38_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.84	23.95	23.95	25.00
20	QPSK	1	49	23.71	23.94	23.92	25.00
20	QPSK	1	99	23.57	23.82	23.74	25.00
20	QPSK	50	0	22.85	23.06	22.97	24.00
20	QPSK	50	24	22.89	23.01	22.94	24.00
20	QPSK	50	50	22.83	23.03	22.98	24.00
20	QPSK	100	0	22.81	22.96	22.87	24.00
20	16QAM	1	0	22.73	22.95	22.90	24.00
20	16QAM	1	49	22.65	22.88	22.83	24.00
20	16QAM	1	99	22.56	22.79	22.68	24.00
20	16QAM	50	0	21.73	21.96	21.85	23.00
20	16QAM	50	24	21.81	22.01	21.90	23.00
20	16QAM	50	50	21.84	22.02	21.88	23.00
20	16QAM	100	0	21.78	21.96	21.93	23.00
20	64QAM	1	0	21.81	22.01	21.86	23.00
20	64QAM	1	49	21.89	22.02	21.91	23.00
20	64QAM	1	99	21.61	21.85	21.76	23.00
20	64QAM	50	0	20.83	20.94	20.92	22.00
20	64QAM	50	24	20.75	20.98	20.96	22.00



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20	64QAM	50	50	20.87	21.06	21.01	22.00
20	64QAM	100	0	20.79	20.99	20.84	22.00
20	256QAM	1	0	18.67	18.85	18.72	20.00
20	256QAM	1	49	18.87	19.04	19.00	20.00
20	256QAM	1	99	18.76	18.99	18.97	20.00
20	256QAM	50	0	18.77	18.96	18.87	20.00
20	256QAM	50	24	18.83	18.98	18.85	20.00
20	256QAM	50	50	18.87	19.01	18.92	20.00
20	256QAM	100	0	18.74	18.95	18.83	20.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.73	23.92	23.91	25.00
15	QPSK	1	37	23.56	23.82	23.85	25.00
15	QPSK	1	74	23.43	23.79	23.64	25.00
15	QPSK	36	0	22.80	23.04	22.95	24.00
15	QPSK	36	20	22.81	22.94	22.89	24.00
15	QPSK	36	39	22.81	22.94	22.86	24.00
15	QPSK	75	0	22.71	22.83	22.84	24.00
15	16QAM	1	0	22.63	22.89	22.78	24.00
15	16QAM	1	37	22.57	22.75	22.70	24.00
15	16QAM	1	74	22.46	22.67	22.61	24.00
15	16QAM	36	0	21.61	21.93	21.73	23.00
15	16QAM	36	20	21.72	21.90	21.80	23.00
15	16QAM	36	39	21.76	21.91	21.77	23.00
15	16QAM	75	0	21.66	21.84	21.84	23.00
15	64QAM	1	0	21.76	21.96	21.73	23.00
15	64QAM	1	37	21.85	21.92	21.81	23.00
15	64QAM	1	74	21.47	21.71	21.66	23.00
15	64QAM	36	0	20.71	20.87	20.80	22.00
15	64QAM	36	20	20.63	20.90	20.89	22.00
15	64QAM	36	39	20.76	20.96	20.92	22.00
15	64QAM	75	0	20.77	20.94	20.79	22.00
15	256QAM	1	0	18.56	18.72	18.62	20.00
15	256QAM	1	37	18.77	18.89	18.96	20.00
15	256QAM	1	74	18.70	18.95	18.89	20.00
15	256QAM	36	0	18.73	18.82	18.81	20.00
15	256QAM	36	20	18.77	18.95	18.80	20.00
15	256QAM	36	39	18.83	18.86	18.83	20.00
15	256QAM	75	0	18.61	18.86	18.77	20.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.81	23.82	23.92	25.00
10	QPSK	1	25	23.70	23.87	23.78	25.00
10	QPSK	1	49	23.45	23.74	23.71	25.00
10	QPSK	25	0	22.84	22.93	22.82	24.00
10	QPSK	25	12	22.80	22.98	22.86	24.00
10	QPSK	25	25	22.72	22.89	22.95	24.00
10	QPSK	50	0	22.75	22.85	22.77	24.00
10	16QAM	1	0	22.67	22.93	22.87	24.00
10	16QAM	1	25	22.57	22.82	22.75	24.00
10	16QAM	1	49	22.46	22.70	22.67	24.00
10	16QAM	25	0	21.63	21.89	21.76	23.00
10	16QAM	25	12	21.68	21.90	21.80	23.00
10	16QAM	25	25	21.74	21.95	21.77	23.00
10	16QAM	50	0	21.69	21.86	21.89	23.00
10	64QAM	1	0	21.72	21.87	21.81	23.00
10	64QAM	1	25	21.83	22.01	21.84	23.00
10	64QAM	1	49	21.48	21.77	21.71	23.00
10	64QAM	25	0	20.71	20.83	20.86	22.00
10	64QAM	25	12	20.71	20.95	20.94	22.00
10	64QAM	25	25	20.84	21.03	20.87	22.00
10	64QAM	50	0	20.73	20.92	20.83	22.00
10	256QAM	1	0	18.59	18.75	18.58	20.00
10	256QAM	1	25	18.77	18.94	18.87	20.00
10	256QAM	1	49	18.64	18.91	18.94	20.00
10	256QAM	25	0	18.70	18.88	18.74	20.00
10	256QAM	25	12	18.69	18.97	18.71	20.00
10	256QAM	25	25	18.75	18.92	18.90	20.00
10	256QAM	50	0	18.69	18.81	18.81	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.81	23.90	23.91	25.00
5	QPSK	1	12	23.61	23.87	23.91	25.00
5	QPSK	1	24	23.47	23.78	23.68	25.00
5	QPSK	12	0	22.74	23.00	22.92	24.00
5	QPSK	12	7	22.86	22.89	22.89	24.00
5	QPSK	12	13	22.76	22.99	22.96	24.00
5	QPSK	25	0	22.75	22.81	22.73	24.00



5	16QAM	1	0	22.68	22.93	22.88	24.00
5	16QAM	1	12	22.62	22.75	22.77	24.00
5	16QAM	1	24	22.51	22.73	22.62	24.00
5	16QAM	12	0	21.69	21.84	21.75	23.00
5	16QAM	12	7	21.67	21.89	21.75	23.00
5	16QAM	12	13	21.76	21.87	21.75	23.00
5	16QAM	25	0	21.65	21.90	21.84	23.00
5	64QAM	1	0	21.71	21.99	21.71	23.00
5	64QAM	1	12	21.81	21.99	21.89	23.00
5	64QAM	1	24	21.56	21.77	21.72	23.00
5	64QAM	12	0	20.78	20.87	20.85	22.00
5	64QAM	12	7	20.70	20.91	20.82	22.00
5	64QAM	12	13	20.74	21.00	20.98	22.00
5	64QAM	25	0	20.72	20.85	20.70	22.00
5	256QAM	1	0	18.61	18.72	18.68	20.00
5	256QAM	1	12	18.75	19.01	18.98	20.00
5	256QAM	1	24	18.64	18.94	18.95	20.00
5	256QAM	12	0	18.65	18.92	18.83	20.00
5	256QAM	12	7	18.74	18.85	18.71	20.00
5	256QAM	12	13	18.81	18.93	18.83	20.00
5	256QAM	25	0	18.67	18.81	18.81	20.00

【LTE Band 38_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.42	18.45	18.39	20.00
20	QPSK	1	49	18.07	18.24	18.10	20.00
20	QPSK	1	99	18.00	18.12	18.02	20.00
20	QPSK	50	0	18.33	18.42	18.35	20.00
20	QPSK	50	24	18.00	18.08	18.02	20.00
20	QPSK	50	50	18.08	18.24	18.03	20.00
20	QPSK	100	0	18.29	18.36	18.28	20.00
20	16QAM	1	0	18.22	18.31	18.21	20.00
20	16QAM	1	49	18.01	18.14	18.00	20.00
20	16QAM	1	99	18.01	18.09	18.01	20.00
20	16QAM	50	0	18.00	18.07	18.00	20.00
20	16QAM	50	24	18.11	18.22	18.10	20.00
20	16QAM	50	50	18.05	18.17	18.05	20.00
20	16QAM	100	0	18.09	18.23	18.12	20.00
20	64QAM	1	0	18.07	18.24	18.15	20.00
20	64QAM	1	49	18.08	18.17	18.05	20.00
20	64QAM	1	99	18.13	18.19	18.00	20.00
20	64QAM	50	0	18.14	18.22	18.05	20.00
20	64QAM	50	24	18.17	18.22	18.11	20.00
20	64QAM	50	50	18.03	18.16	18.05	20.00
20	64QAM	100	0	18.01	18.13	18.05	20.00
20	256QAM	1	0	18.08	18.24	18.07	20.00
20	256QAM	1	49	18.03	18.13	18.01	20.00
20	256QAM	1	99	18.26	18.33	18.19	20.00
20	256QAM	50	0	18.12	18.19	18.04	20.00
20	256QAM	50	24	18.21	18.36	18.28	20.00
20	256QAM	50	50	18.12	18.20	18.07	20.00
20	256QAM	100	0	18.22	18.32	18.23	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.34	18.37	18.26	20.00
15	QPSK	1	37	18.00	18.11	18.00	20.00
15	QPSK	1	74	18.00	18.04	18.01	20.00
15	QPSK	36	0	18.18	18.39	18.20	20.00
15	QPSK	36	20	18.01	18.00	18.00	20.00
15	QPSK	36	39	18.06	18.15	18.00	20.00
15	QPSK	75	0	18.22	18.31	18.19	20.00
15	16QAM	1	0	18.14	18.30	18.11	20.00
15	16QAM	1	37	18.00	18.10	18.02	20.00
15	16QAM	1	74	18.01	18.05	18.02	20.00
15	16QAM	36	0	18.00	18.05	18.00	20.00
15	16QAM	36	20	18.00	18.18	18.01	20.00
15	16QAM	36	39	18.00	18.13	18.03	20.00
15	16QAM	75	0	18.01	18.21	18.02	20.00
15	64QAM	1	0	18.04	18.21	18.00	20.00



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15	64QAM	1	37	18.02	18.14	18.00	20.00
15	64QAM	1	74	18.09	18.12	18.01	20.00
15	64QAM	36	0	18.10	18.08	18.02	20.00
15	64QAM	36	20	18.08	18.20	18.02	20.00
15	64QAM	36	39	18.00	18.15	18.00	20.00
15	64QAM	75	0	18.00	18.06	18.00	20.00
15	256QAM	1	0	18.00	18.16	18.02	20.00
15	256QAM	1	37	18.01	18.05	18.01	20.00
15	256QAM	1	74	18.16	18.25	18.13	20.00
15	256QAM	36	0	18.06	18.06	18.02	20.00
15	256QAM	36	20	18.12	18.34	18.17	20.00
15	256QAM	36	39	18.03	18.15	18.03	20.00
15	256QAM	75	0	18.10	18.25	18.21	20.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	18.37	18.42	18.27	20.00
10	QPSK	1	25	18.02	18.22	18.00	20.00
10	QPSK	1	49	18.00	18.07	18.01	20.00
10	QPSK	25	0	18.21	18.28	18.26	20.00
10	QPSK	25	12	18.00	18.01	18.00	20.00
10	QPSK	25	25	18.02	18.21	18.01	20.00
10	QPSK	50	0	18.25	18.34	18.14	20.00
10	16QAM	1	0	18.15	18.28	18.08	20.00
10	16QAM	1	25	18.01	18.06	18.02	20.00
10	16QAM	1	49	18.01	18.04	18.00	20.00
10	16QAM	25	0	18.00	18.00	18.02	20.00
10	16QAM	25	12	18.00	18.20	18.00	20.00
10	16QAM	25	25	18.01	18.11	18.00	20.00
10	16QAM	50	0	18.00	18.14	18.05	20.00
10	64QAM	1	0	18.01	18.18	18.09	20.00
10	64QAM	1	25	18.06	18.14	18.00	20.00
10	64QAM	1	49	18.12	18.10	18.00	20.00
10	64QAM	25	0	18.13	18.07	18.01	20.00
10	64QAM	25	12	18.15	18.08	18.00	20.00
10	64QAM	25	25	18.01	18.05	18.00	20.00
10	64QAM	50	0	18.01	18.10	18.04	20.00
10	256QAM	1	0	18.05	18.12	18.06	20.00
10	256QAM	1	25	18.00	18.04	18.00	20.00
10	256QAM	1	49	18.14	18.26	18.13	20.00
10	256QAM	25	0	18.01	18.11	18.00	20.00
10	256QAM	25	12	18.07	18.28	18.19	20.00
10	256QAM	25	25	18.09	18.08	18.02	20.00
10	256QAM	50	0	18.17	18.23	18.16	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	18.33	18.32	18.28	20.00
5	QPSK	1	12	18.00	18.17	18.00	20.00
5	QPSK	1	24	18.00	18.04	18.01	20.00
5	QPSK	12	0	18.30	18.37	18.30	20.00
5	QPSK	12	7	18.00	18.00	18.00	20.00
5	QPSK	12	13	18.01	18.15	18.01	20.00
5	QPSK	25	0	18.22	18.25	18.20	20.00
5	16QAM	1	0	18.19	18.19	18.14	20.00
5	16QAM	1	12	18.00	18.05	18.00	20.00
5	16QAM	1	24	18.00	18.00	18.02	20.00
5	16QAM	12	0	18.00	18.00	18.00	20.00
5	16QAM	12	7	18.01	18.14	18.02	20.00
5	16QAM	12	13	18.02	18.14	18.00	20.00
5	16QAM	25	0	18.00	18.14	18.04	20.00
5	64QAM	1	0	18.00	18.22	18.06	20.00
5	64QAM	1	12	18.06	18.07	18.00	20.00
5	64QAM	1	24	18.07	18.09	18.00	20.00
5	64QAM	12	0	18.11	18.12	18.01	20.00
5	64QAM	12	7	18.07	18.19	18.00	20.00
5	64QAM	12	13	18.00	18.15	18.00	20.00
5	64QAM	25	0	18.00	18.01	18.02	20.00
5	256QAM	1	0	18.05	18.22	18.00	20.00
5	256QAM	1	12	18.00	18.04	18.02	20.00
5	256QAM	1	24	18.15	18.20	18.09	20.00
5	256QAM	12	0	18.00	18.10	18.00	20.00
5	256QAM	12	7	18.08	18.24	18.16	20.00
5	256QAM	12	13	18.09	18.06	18.00	20.00
5	256QAM	25	0	18.08	18.28	18.21	20.00

**【LTE Band 38_Ant 0_Hotspot on】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.42	18.45	18.39	20.00
20	QPSK	1	49	18.07	18.24	18.10	20.00
20	QPSK	1	99	18.00	18.12	18.02	20.00
20	QPSK	50	0	18.33	18.42	18.35	20.00
20	QPSK	50	24	18.00	18.08	18.02	20.00
20	QPSK	50	50	18.08	18.24	18.03	20.00
20	QPSK	100	0	18.29	18.36	18.28	20.00
20	16QAM	1	0	18.22	18.31	18.21	20.00
20	16QAM	1	49	18.01	18.14	18.00	20.00
20	16QAM	1	99	18.01	18.09	18.01	20.00
20	16QAM	50	0	18.00	18.07	18.00	20.00
20	16QAM	50	24	18.11	18.22	18.10	20.00
20	16QAM	50	50	18.05	18.17	18.05	20.00
20	16QAM	100	0	18.09	18.23	18.12	20.00
20	64QAM	1	0	18.07	18.24	18.15	20.00
20	64QAM	1	49	18.08	18.17	18.05	20.00
20	64QAM	1	99	18.13	18.19	18.00	20.00
20	64QAM	50	0	18.14	18.22	18.05	20.00
20	64QAM	50	24	18.17	18.22	18.11	20.00
20	64QAM	50	50	18.03	18.16	18.05	20.00
20	64QAM	100	0	18.01	18.13	18.05	20.00
20	256QAM	1	0	18.08	18.24	18.07	20.00
20	256QAM	1	49	18.03	18.13	18.01	20.00
20	256QAM	1	99	18.26	18.33	18.19	20.00
20	256QAM	50	0	18.12	18.19	18.04	20.00
20	256QAM	50	24	18.21	18.36	18.28	20.00
20	256QAM	50	50	18.12	18.20	18.07	20.00
20	256QAM	100	0	18.22	18.32	18.23	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.34	18.37	18.26	20.00
15	QPSK	1	37	18.00	18.11	18.00	20.00
15	QPSK	1	74	18.00	18.04	18.01	20.00
15	QPSK	36	0	18.18	18.39	18.20	20.00
15	QPSK	36	20	18.01	18.00	18.00	20.00
15	QPSK	36	39	18.06	18.15	18.00	20.00
15	QPSK	75	0	18.22	18.31	18.19	20.00
15	16QAM	1	0	18.14	18.30	18.11	20.00
15	16QAM	1	37	18.00	18.10	18.02	20.00
15	16QAM	1	74	18.01	18.05	18.02	20.00
15	16QAM	36	0	18.00	18.05	18.00	20.00
15	16QAM	36	20	18.00	18.18	18.01	20.00
15	16QAM	36	39	18.00	18.13	18.03	20.00
15	16QAM	75	0	18.01	18.21	18.02	20.00
15	64QAM	1	0	18.04	18.21	18.00	20.00
15	64QAM	1	37	18.02	18.14	18.00	20.00
15	64QAM	1	74	18.09	18.12	18.01	20.00
15	64QAM	36	0	18.10	18.08	18.02	20.00
15	64QAM	36	20	18.08	18.20	18.02	20.00
15	64QAM	36	39	18.00	18.15	18.00	20.00
15	64QAM	75	0	18.00	18.06	18.00	20.00
15	256QAM	1	0	18.00	18.16	18.02	20.00
15	256QAM	1	37	18.01	18.05	18.01	20.00
15	256QAM	1	74	18.16	18.25	18.13	20.00
15	256QAM	36	0	18.06	18.06	18.02	20.00
15	256QAM	36	20	18.12	18.34	18.17	20.00
15	256QAM	36	39	18.03	18.15	18.03	20.00
15	256QAM	75	0	18.10	18.25	18.21	20.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.37	18.42	18.27	20.00
10	QPSK	1	25	18.02	18.22	18.00	20.00
10	QPSK	1	49	18.00	18.07	18.01	20.00
10	QPSK	25	0	18.21	18.28	18.26	20.00
10	QPSK	25	12	18.00	18.01	18.00	20.00
10	QPSK	25	25	18.02	18.21	18.01	20.00
10	QPSK	50	0	18.25	18.34	18.14	20.00
10	16QAM	1	0	18.15	18.28	18.08	20.00
10	16QAM	1	25	18.01	18.06	18.02	20.00
10	16QAM	1	49	18.01	18.04	18.00	20.00
10	16QAM	25	0	18.00	18.00	18.02	20.00
10	16QAM	25	12	18.00	18.20	18.00	20.00



10	16QAM	25	25	18.01	18.11	18.00	20.00
10	16QAM	50	0	18.00	18.14	18.05	20.00
10	64QAM	1	0	18.01	18.18	18.09	20.00
10	64QAM	1	25	18.06	18.14	18.00	20.00
10	64QAM	1	49	18.12	18.10	18.00	20.00
10	64QAM	25	0	18.13	18.07	18.01	20.00
10	64QAM	25	12	18.15	18.08	18.00	20.00
10	64QAM	25	25	18.01	18.05	18.00	20.00
10	64QAM	50	0	18.01	18.10	18.04	20.00
10	256QAM	1	0	18.05	18.12	18.06	20.00
10	256QAM	1	25	18.00	18.04	18.00	20.00
10	256QAM	1	49	18.14	18.26	18.13	20.00
10	256QAM	25	0	18.01	18.11	18.00	20.00
10	256QAM	25	12	18.07	18.28	18.19	20.00
10	256QAM	25	25	18.09	18.08	18.02	20.00
10	256QAM	50	0	18.17	18.23	18.16	20.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.33	18.32	18.28	20.00
5	QPSK	1	12	18.00	18.17	18.00	20.00
5	QPSK	1	24	18.00	18.04	18.01	20.00
5	QPSK	12	0	18.30	18.37	18.30	20.00
5	QPSK	12	7	18.00	18.00	18.00	20.00
5	QPSK	12	13	18.01	18.15	18.01	20.00
5	QPSK	25	0	18.22	18.25	18.20	20.00
5	16QAM	1	0	18.19	18.19	18.14	20.00
5	16QAM	1	12	18.00	18.05	18.00	20.00
5	16QAM	1	24	18.00	18.00	18.02	20.00
5	16QAM	12	0	18.00	18.00	18.00	20.00
5	16QAM	12	7	18.01	18.14	18.02	20.00
5	16QAM	12	13	18.02	18.14	18.00	20.00
5	16QAM	25	0	18.00	18.14	18.04	20.00
5	64QAM	1	0	18.00	18.22	18.06	20.00
5	64QAM	1	12	18.06	18.07	18.00	20.00
5	64QAM	1	24	18.07	18.09	18.00	20.00
5	64QAM	12	0	18.11	18.12	18.01	20.00
5	64QAM	12	7	18.07	18.19	18.00	20.00
5	64QAM	12	13	18.00	18.15	18.00	20.00
5	64QAM	25	0	18.00	18.01	18.02	20.00
5	256QAM	1	0	18.05	18.22	18.00	20.00
5	256QAM	1	12	18.00	18.04	18.02	20.00
5	256QAM	1	24	18.15	18.20	18.09	20.00
5	256QAM	12	0	18.00	18.10	18.00	20.00
5	256QAM	12	7	18.08	18.24	18.16	20.00
5	256QAM	12	13	18.09	18.06	18.00	20.00
5	256QAM	25	0	18.08	18.28	18.21	20.00

【LTE Band 38_Ant 1_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.02	23.07	23.00	24.00
20	QPSK	1	49	22.91	23.03	22.90	24.00
20	QPSK	1	99	22.84	23.01	22.80	24.00
20	QPSK	50	0	22.02	22.09	21.89	23.00
20	QPSK	50	24	21.92	22.06	21.87	23.00
20	QPSK	50	50	21.93	22.04	21.83	23.00
20	QPSK	100	0	21.99	22.05	21.91	23.00
20	16QAM	1	0	22.01	22.13	21.96	23.00
20	16QAM	1	49	21.86	22.03	21.93	23.00
20	16QAM	1	99	21.85	21.93	21.77	23.00
20	16QAM	50	0	20.97	21.08	20.90	22.00
20	16QAM	50	24	20.85	21.03	20.84	22.00
20	16QAM	50	50	20.91	21.09	20.93	22.00
20	16QAM	100	0	20.96	21.03	20.94	22.00
20	64QAM	1	0	21.09	21.17	21.02	22.00
20	64QAM	1	49	21.05	21.18	21.01	22.00
20	64QAM	1	99	20.83	20.99	20.88	22.00
20	64QAM	50	0	19.91	20.10	20.02	21.00
20	64QAM	50	24	19.90	20.08	19.93	21.00
20	64QAM	50	50	20.06	20.12	20.02	21.00



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20	64QAM	100	0	19.88	20.04	19.94	21.00
20	256QAM	1	0	17.98	18.06	17.86	19.00
20	256QAM	1	49	17.91	18.07	17.89	19.00
20	256QAM	1	99	17.99	18.06	17.96	19.00
20	256QAM	50	0	17.88	18.07	18.00	19.00
20	256QAM	50	24	17.98	18.05	17.98	19.00
20	256QAM	50	50	17.91	18.08	17.96	19.00
20	256QAM	100	0	17.97	18.07	17.94	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.00	23.00	22.96	24.00
15	QPSK	1	37	22.82	22.97	22.88	24.00
15	QPSK	1	74	22.82	22.97	22.71	24.00
15	QPSK	36	0	21.88	22.05	21.78	23.00
15	QPSK	36	20	21.79	21.95	21.76	23.00
15	QPSK	36	39	21.85	21.94	21.74	23.00
15	QPSK	75	0	21.84	21.92	21.87	23.00
15	16QAM	1	0	21.93	22.12	21.86	23.00
15	16QAM	1	37	21.85	21.92	21.90	23.00
15	16QAM	1	74	21.70	21.86	21.66	23.00
15	16QAM	36	0	20.88	21.01	20.88	22.00
15	16QAM	36	20	20.77	20.98	20.70	22.00
15	16QAM	36	39	20.82	20.96	20.82	22.00
15	16QAM	75	0	20.85	20.91	20.86	22.00
15	64QAM	1	0	21.06	21.11	20.98	22.00
15	64QAM	1	37	20.99	21.04	20.92	22.00
15	64QAM	1	74	20.75	20.92	20.83	22.00
15	64QAM	36	0	19.81	20.03	19.90	21.00
15	64QAM	36	20	19.87	19.97	19.91	21.00
15	64QAM	36	39	19.97	20.03	19.88	21.00
15	64QAM	75	0	19.77	19.96	19.82	21.00
15	256QAM	1	0	17.95	17.95	17.79	19.00
15	256QAM	1	37	17.81	18.00	17.75	19.00
15	256QAM	1	74	17.90	18.03	17.93	19.00
15	256QAM	36	0	17.73	18.06	17.89	19.00
15	256QAM	36	20	17.89	17.93	17.86	19.00
15	256QAM	36	39	17.84	17.93	17.94	19.00
15	256QAM	75	0	17.82	17.92	17.90	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	22.90	23.05	22.93	24.00
10	QPSK	1	25	22.77	22.92	22.82	24.00
10	QPSK	1	49	22.81	22.94	22.77	24.00
10	QPSK	25	0	21.89	21.95	21.87	23.00
10	QPSK	25	12	21.90	21.94	21.76	23.00
10	QPSK	25	25	21.80	22.01	21.81	23.00
10	QPSK	50	0	21.92	21.96	21.80	23.00
10	16QAM	1	0	21.96	22.10	21.94	23.00
10	16QAM	1	25	21.71	22.01	21.88	23.00
10	16QAM	1	49	21.73	21.90	21.69	23.00
10	16QAM	25	0	20.90	21.02	20.76	22.00
10	16QAM	25	12	20.81	20.98	20.70	22.00
10	16QAM	25	25	20.87	21.00	20.91	22.00
10	16QAM	50	0	20.92	20.98	20.80	22.00
10	64QAM	1	0	20.99	21.07	20.91	22.00
10	64QAM	1	25	20.99	21.04	20.97	22.00
10	64QAM	1	49	20.81	20.87	20.79	22.00
10	64QAM	25	0	19.77	20.01	19.90	21.00
10	64QAM	25	12	19.79	19.98	19.84	21.00
10	64QAM	25	25	19.94	20.08	19.91	21.00
10	64QAM	50	0	19.82	19.96	19.81	21.00
10	256QAM	1	0	17.93	17.93	17.84	19.00
10	256QAM	1	25	17.78	17.95	17.79	19.00
10	256QAM	1	49	17.89	18.00	17.91	19.00
10	256QAM	25	0	17.85	17.94	17.86	19.00
10	256QAM	25	12	17.96	17.98	17.88	19.00
10	256QAM	25	25	17.80	17.99	17.81	19.00
10	256QAM	50	0	17.91	17.96	17.91	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	22.99	23.05	22.86	24.00
5	QPSK	1	12	22.83	23.01	22.87	24.00
5	QPSK	1	24	22.77	22.97	22.77	24.00
5	QPSK	12	0	21.91	22.05	21.79	23.00
5	QPSK	12	7	21.79	22.00	21.81	23.00
5	QPSK	12	13	21.81	21.89	21.71	23.00
5	QPSK	25	0	21.86	21.92	21.78	23.00
5	16QAM	1	0	21.87	22.00	21.89	23.00

5	16QAM	1	12	21.72	21.96	21.87	23.00
5	16QAM	1	24	21.77	21.91	21.71	23.00
5	16QAM	12	0	20.93	21.01	20.88	22.00
5	16QAM	12	7	20.71	20.97	20.82	22.00
5	16QAM	12	13	20.85	20.99	20.88	22.00
5	16QAM	25	0	20.81	20.94	20.81	22.00
5	64QAM	1	0	20.97	21.11	21.01	22.00
5	64QAM	1	12	20.91	21.12	20.88	22.00
5	64QAM	1	24	20.79	20.85	20.84	22.00
5	64QAM	12	0	19.84	19.96	19.89	21.00
5	64QAM	12	7	19.75	19.98	19.87	21.00
5	64QAM	12	13	20.04	20.04	20.01	21.00
5	64QAM	25	0	19.76	19.92	19.87	21.00
5	256QAM	1	0	17.97	18.03	17.77	19.00
5	256QAM	1	12	17.87	18.02	17.79	19.00
5	256QAM	1	24	17.95	17.99	17.91	19.00
5	256QAM	12	0	17.79	18.03	17.86	19.00
5	256QAM	12	7	17.93	17.93	17.94	19.00
5	256QAM	12	13	17.83	18.05	17.85	19.00
5	256QAM	25	0	17.87	18.04	17.80	19.00

【LTE Band 38_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.02	23.07	23.00	24.00
20	QPSK	1	49	22.91	23.03	22.90	24.00
20	QPSK	1	99	22.84	23.01	22.80	24.00
20	QPSK	50	0	22.02	22.09	21.89	23.00
20	QPSK	50	24	21.92	22.06	21.87	23.00
20	QPSK	50	50	21.93	22.04	21.83	23.00
20	QPSK	100	0	21.99	22.05	21.91	23.00
20	16QAM	1	0	22.01	22.13	21.96	23.00
20	16QAM	1	49	21.86	22.03	21.93	23.00
20	16QAM	1	99	21.85	21.93	21.77	23.00
20	16QAM	50	0	20.97	21.08	20.90	22.00
20	16QAM	50	24	20.85	21.03	20.84	22.00
20	16QAM	50	50	20.91	21.09	20.93	22.00
20	16QAM	100	0	20.96	21.03	20.94	22.00
20	64QAM	1	0	21.09	21.17	21.02	22.00
20	64QAM	1	49	21.05	21.18	21.01	22.00
20	64QAM	1	99	20.83	20.99	20.88	22.00
20	64QAM	50	0	19.91	20.10	20.02	21.00
20	64QAM	50	24	19.90	20.08	19.93	21.00
20	64QAM	50	50	20.06	20.12	20.02	21.00
20	64QAM	100	0	19.88	20.04	19.94	21.00
20	256QAM	1	0	17.98	18.06	17.86	19.00
20	256QAM	1	49	17.91	18.07	17.89	19.00
20	256QAM	1	99	17.99	18.06	17.96	19.00
20	256QAM	50	0	17.88	18.07	18.00	19.00
20	256QAM	50	24	17.98	18.05	17.98	19.00
20	256QAM	50	50	17.91	18.08	17.96	19.00
20	256QAM	100	0	17.97	18.07	17.94	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.00	23.00	22.96	24.00
15	QPSK	1	37	22.82	22.97	22.88	24.00
15	QPSK	1	74	22.82	22.97	22.71	24.00
15	QPSK	36	0	21.88	22.05	21.78	23.00
15	QPSK	36	20	21.79	21.95	21.76	23.00
15	QPSK	36	39	21.85	21.94	21.74	23.00
15	QPSK	75	0	21.84	21.92	21.87	23.00
15	16QAM	1	0	21.93	22.12	21.86	23.00
15	16QAM	1	37	21.85	21.92	21.90	23.00
15	16QAM	1	74	21.70	21.86	21.66	23.00
15	16QAM	36	0	20.88	21.01	20.88	22.00
15	16QAM	36	20	20.77	20.98	20.70	22.00
15	16QAM	36	39	20.82	20.96	20.82	22.00
15	16QAM	75	0	20.85	20.91	20.86	22.00
15	64QAM	1	0	21.06	21.11	20.98	22.00
15	64QAM	1	37	20.99	21.04	20.92	22.00



15	64QAM	1	74	20.75	20.92	20.83	22.00
15	64QAM	36	0	19.81	20.03	19.90	21.00
15	64QAM	36	20	19.87	19.97	19.91	21.00
15	64QAM	36	39	19.97	20.03	19.88	21.00
15	64QAM	75	0	19.77	19.96	19.82	21.00
15	256QAM	1	0	17.95	17.95	17.79	19.00
15	256QAM	1	37	17.81	18.00	17.75	19.00
15	256QAM	1	74	17.90	18.03	17.93	19.00
15	256QAM	36	0	17.73	18.06	17.89	19.00
15	256QAM	36	20	17.89	17.93	17.86	19.00
15	256QAM	36	39	17.84	17.93	17.94	19.00
15	256QAM	75	0	17.82	17.92	17.90	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.90	23.05	22.93	24.00
10	QPSK	1	25	22.77	22.92	22.82	24.00
10	QPSK	1	49	22.81	22.94	22.77	24.00
10	QPSK	25	0	21.89	21.95	21.87	23.00
10	QPSK	25	12	21.90	21.94	21.76	23.00
10	QPSK	25	25	21.80	22.01	21.81	23.00
10	QPSK	50	0	21.92	21.96	21.80	23.00
10	16QAM	1	0	21.96	22.10	21.94	23.00
10	16QAM	1	25	21.71	22.01	21.88	23.00
10	16QAM	1	49	21.73	21.90	21.69	23.00
10	16QAM	25	0	20.90	21.02	20.76	22.00
10	16QAM	25	12	20.81	20.98	20.70	22.00
10	16QAM	25	25	20.87	21.00	20.91	22.00
10	16QAM	50	0	20.92	20.98	20.80	22.00
10	64QAM	1	0	20.99	21.07	20.91	22.00
10	64QAM	1	25	20.99	21.04	20.97	22.00
10	64QAM	1	49	20.81	20.87	20.79	22.00
10	64QAM	25	0	19.77	20.01	19.90	21.00
10	64QAM	25	12	19.79	19.98	19.84	21.00
10	64QAM	25	25	19.94	20.08	19.91	21.00
10	64QAM	50	0	19.82	19.96	19.81	21.00
10	256QAM	1	0	17.93	17.93	17.84	19.00
10	256QAM	1	25	17.78	17.95	17.79	19.00
10	256QAM	1	49	17.89	18.00	17.91	19.00
10	256QAM	25	0	17.85	17.94	17.86	19.00
10	256QAM	25	12	17.96	17.98	17.88	19.00
10	256QAM	25	25	17.80	17.99	17.81	19.00
10	256QAM	50	0	17.91	17.96	17.91	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.99	23.05	22.86	24.00
5	QPSK	1	12	22.83	23.01	22.87	24.00
5	QPSK	1	24	22.77	22.97	22.77	24.00
5	QPSK	12	0	21.91	22.05	21.79	23.00
5	QPSK	12	7	21.79	22.00	21.81	23.00
5	QPSK	12	13	21.81	21.89	21.71	23.00
5	QPSK	25	0	21.86	21.92	21.78	23.00
5	16QAM	1	0	21.87	22.00	21.89	23.00
5	16QAM	1	12	21.72	21.96	21.87	23.00
5	16QAM	1	24	21.77	21.91	21.71	23.00
5	16QAM	12	0	20.93	21.01	20.88	22.00
5	16QAM	12	7	20.71	20.97	20.82	22.00
5	16QAM	12	13	20.85	20.99	20.88	22.00
5	16QAM	25	0	20.81	20.94	20.81	22.00
5	64QAM	1	0	20.97	21.11	21.01	22.00
5	64QAM	1	12	20.91	21.12	20.88	22.00
5	64QAM	1	24	20.79	20.85	20.84	22.00
5	64QAM	12	0	19.84	19.96	19.89	21.00
5	64QAM	12	7	19.75	19.98	19.87	21.00
5	64QAM	12	13	20.04	20.04	20.01	21.00
5	64QAM	25	0	19.76	19.92	19.87	21.00
5	256QAM	1	0	17.97	18.03	17.77	19.00
5	256QAM	1	12	17.87	18.02	17.79	19.00
5	256QAM	1	24	17.95	17.99	17.91	19.00
5	256QAM	12	0	17.79	18.03	17.86	19.00
5	256QAM	12	7	17.93	17.93	17.94	19.00
5	256QAM	12	13	17.83	18.05	17.85	19.00
5	256QAM	25	0	17.87	18.04	17.80	19.00

**【LTE Band 38_Ant 1_Sensor on】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.91	17.96	17.89	19.00
20	QPSK	1	49	17.76	17.94	17.77	19.00
20	QPSK	1	99	17.86	17.93	17.75	19.00
20	QPSK	50	0	17.83	17.92	17.82	19.00
20	QPSK	50	24	17.84	17.90	17.74	19.00
20	QPSK	50	50	17.67	17.85	17.73	19.00
20	QPSK	100	0	17.81	17.89	17.72	19.00
20	16QAM	1	0	17.67	17.83	17.73	19.00
20	16QAM	1	49	17.71	17.81	17.70	19.00
20	16QAM	1	99	17.79	17.85	17.66	19.00
20	16QAM	50	0	17.80	17.88	17.75	19.00
20	16QAM	50	24	17.73	17.86	17.75	19.00
20	16QAM	50	50	17.72	17.83	17.70	19.00
20	16QAM	100	0	17.72	17.84	17.72	19.00
20	64QAM	1	0	17.63	17.81	17.71	19.00
20	64QAM	1	49	17.82	17.89	17.73	19.00
20	64QAM	1	99	17.66	17.83	17.71	19.00
20	64QAM	50	0	17.68	17.85	17.65	19.00
20	64QAM	50	24	17.70	17.82	17.68	19.00
20	64QAM	50	50	17.63	17.81	17.69	19.00
20	64QAM	100	0	17.65	17.79	17.69	19.00
20	256QAM	1	0	17.67	17.86	17.72	19.00
20	256QAM	1	49	17.74	17.82	17.63	19.00
20	256QAM	1	99	17.64	17.84	17.64	19.00
20	256QAM	50	0	17.72	17.83	17.70	19.00
20	256QAM	50	24	17.74	17.85	17.68	19.00
20	256QAM	50	50	17.70	17.81	17.63	19.00
20	256QAM	100	0	17.71	17.78	17.69	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.90	17.82	17.79	19.00
15	QPSK	1	37	17.74	17.86	17.65	19.00
15	QPSK	1	74	17.84	17.81	17.67	19.00
15	QPSK	36	0	17.81	17.87	17.79	19.00
15	QPSK	36	20	17.69	17.78	17.71	19.00
15	QPSK	36	39	17.63	17.80	17.70	19.00
15	QPSK	75	0	17.77	17.83	17.64	19.00
15	16QAM	1	0	17.60	17.71	17.66	19.00
15	16QAM	1	37	17.68	17.74	17.59	19.00
15	16QAM	1	74	17.70	17.72	17.60	19.00
15	16QAM	36	0	17.77	17.81	17.65	19.00
15	16QAM	36	20	17.69	17.72	17.66	19.00
15	16QAM	36	39	17.63	17.70	17.67	19.00
15	16QAM	75	0	17.66	17.80	17.68	19.00
15	64QAM	1	0	17.60	17.79	17.57	19.00
15	64QAM	1	37	17.73	17.76	17.67	19.00
15	64QAM	1	74	17.62	17.74	17.64	19.00
15	64QAM	36	0	17.65	17.82	17.57	19.00
15	64QAM	36	20	17.60	17.69	17.62	19.00
15	64QAM	36	39	17.53	17.75	17.61	19.00
15	64QAM	75	0	17.53	17.76	17.65	19.00
15	256QAM	1	0	17.54	17.76	17.68	19.00
15	256QAM	1	37	17.62	17.67	17.56	19.00
15	256QAM	1	74	17.62	17.78	17.53	19.00
15	256QAM	36	0	17.59	17.68	17.57	19.00
15	256QAM	36	20	17.64	17.80	17.67	19.00
15	256QAM	36	39	17.68	17.75	17.56	19.00
15	256QAM	75	0	17.69	17.70	17.56	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.83	17.84	17.88	19.00
10	QPSK	1	25	17.74	17.89	17.70	19.00
10	QPSK	1	49	17.81	17.90	17.61	19.00
10	QPSK	25	0	17.76	17.88	17.67	19.00
10	QPSK	25	12	17.77	17.86	17.65	19.00
10	QPSK	25	25	17.53	17.74	17.59	19.00
10	QPSK	50	0	17.70	17.88	17.63	19.00
10	16QAM	1	0	17.56	17.81	17.60	19.00
10	16QAM	1	25	17.63	17.74	17.56	19.00
10	16QAM	1	49	17.71	17.71	17.53	19.00
10	16QAM	25	0	17.73	17.86	17.74	19.00
10	16QAM	25	12	17.63	17.75	17.64	19.00



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10	16QAM	25	25	17.62	17.78	17.65	19.00
10	16QAM	50	0	17.62	17.71	17.70	19.00
10	64QAM	1	0	17.51	17.79	17.63	19.00
10	64QAM	1	25	17.70	17.77	17.65	19.00
10	64QAM	1	49	17.65	17.81	17.57	19.00
10	64QAM	25	0	17.58	17.71	17.63	19.00
10	64QAM	25	12	17.66	17.80	17.55	19.00
10	64QAM	25	25	17.57	17.76	17.65	19.00
10	64QAM	50	0	17.56	17.66	17.60	19.00
10	256QAM	1	0	17.58	17.71	17.65	19.00
10	256QAM	1	25	17.70	17.77	17.48	19.00
10	256QAM	1	49	17.53	17.72	17.57	19.00
10	256QAM	25	0	17.62	17.73	17.59	19.00
10	256QAM	25	12	17.68	17.82	17.67	19.00
10	256QAM	25	25	17.59	17.74	17.48	19.00
10	256QAM	50	0	17.60	17.74	17.62	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.78	17.81	17.84	19.00
5	QPSK	1	12	17.65	17.81	17.69	19.00
5	QPSK	1	24	17.85	17.84	17.70	19.00
5	QPSK	12	0	17.78	17.91	17.69	19.00
5	QPSK	12	7	17.72	17.79	17.72	19.00
5	QPSK	12	13	17.63	17.83	17.69	19.00
5	QPSK	25	0	17.78	17.86	17.69	19.00
5	16QAM	1	0	17.52	17.76	17.69	19.00
5	16QAM	1	12	17.62	17.74	17.65	19.00
5	16QAM	1	24	17.78	17.79	17.55	19.00
5	16QAM	12	0	17.68	17.73	17.64	19.00
5	16QAM	12	7	17.70	17.77	17.73	19.00
5	16QAM	12	13	17.64	17.73	17.59	19.00
5	16QAM	25	0	17.68	17.73	17.67	19.00
5	64QAM	1	0	17.58	17.70	17.57	19.00
5	64QAM	1	12	17.79	17.77	17.70	19.00
5	64QAM	1	24	17.54	17.73	17.61	19.00
5	64QAM	12	0	17.54	17.81	17.55	19.00
5	64QAM	12	7	17.55	17.78	17.61	19.00
5	64QAM	12	13	17.54	17.76	17.61	19.00
5	64QAM	25	0	17.63	17.68	17.58	19.00
5	256QAM	1	0	17.56	17.76	17.58	19.00
5	256QAM	1	12	17.66	17.79	17.56	19.00
5	256QAM	1	24	17.58	17.71	17.60	19.00
5	256QAM	12	0	17.67	17.70	17.63	19.00
5	256QAM	12	7	17.71	17.79	17.59	19.00
5	256QAM	12	13	17.68	17.80	17.56	19.00
5	256QAM	25	0	17.63	17.67	17.54	19.00

【LTE Band 38_Ant 1_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.91	17.96	17.89	19.00
20	QPSK	1	49	17.76	17.94	17.77	19.00
20	QPSK	1	99	17.86	17.93	17.75	19.00
20	QPSK	50	0	17.83	17.92	17.82	19.00
20	QPSK	50	24	17.84	17.90	17.74	19.00
20	QPSK	50	50	17.67	17.85	17.73	19.00
20	QPSK	100	0	17.81	17.89	17.72	19.00
20	16QAM	1	0	17.67	17.83	17.73	19.00
20	16QAM	1	49	17.71	17.81	17.70	19.00
20	16QAM	1	99	17.79	17.85	17.66	19.00
20	16QAM	50	0	17.80	17.88	17.75	19.00
20	16QAM	50	24	17.73	17.86	17.75	19.00
20	16QAM	50	50	17.72	17.83	17.70	19.00
20	16QAM	100	0	17.72	17.84	17.72	19.00
20	64QAM	1	0	17.63	17.81	17.71	19.00
20	64QAM	1	49	17.82	17.89	17.73	19.00
20	64QAM	1	99	17.66	17.83	17.71	19.00
20	64QAM	50	0	17.68	17.85	17.65	19.00
20	64QAM	50	24	17.70	17.82	17.68	19.00
20	64QAM	50	50	17.63	17.81	17.69	19.00



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20	64QAM	100	0	17.65	17.79	17.69	19.00
20	256QAM	1	0	17.67	17.86	17.72	19.00
20	256QAM	1	49	17.74	17.82	17.63	19.00
20	256QAM	1	99	17.64	17.84	17.64	19.00
20	256QAM	50	0	17.72	17.83	17.70	19.00
20	256QAM	50	24	17.74	17.85	17.68	19.00
20	256QAM	50	50	17.70	17.81	17.63	19.00
20	256QAM	100	0	17.71	17.78	17.69	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	17.90	17.82	17.79	19.00
15	QPSK	1	37	17.74	17.86	17.65	19.00
15	QPSK	1	74	17.84	17.81	17.67	19.00
15	QPSK	36	0	17.81	17.87	17.79	19.00
15	QPSK	36	20	17.69	17.78	17.71	19.00
15	QPSK	36	39	17.63	17.80	17.70	19.00
15	QPSK	75	0	17.77	17.83	17.64	19.00
15	16QAM	1	0	17.60	17.71	17.66	19.00
15	16QAM	1	37	17.68	17.74	17.59	19.00
15	16QAM	1	74	17.70	17.72	17.60	19.00
15	16QAM	36	0	17.77	17.81	17.65	19.00
15	16QAM	36	20	17.69	17.72	17.66	19.00
15	16QAM	36	39	17.63	17.70	17.67	19.00
15	16QAM	75	0	17.66	17.80	17.68	19.00
15	64QAM	1	0	17.60	17.79	17.57	19.00
15	64QAM	1	37	17.73	17.76	17.67	19.00
15	64QAM	1	74	17.62	17.74	17.64	19.00
15	64QAM	36	0	17.65	17.82	17.57	19.00
15	64QAM	36	20	17.60	17.69	17.62	19.00
15	64QAM	36	39	17.53	17.75	17.61	19.00
15	64QAM	75	0	17.53	17.76	17.65	19.00
15	256QAM	1	0	17.54	17.76	17.68	19.00
15	256QAM	1	37	17.62	17.67	17.56	19.00
15	256QAM	1	74	17.62	17.78	17.53	19.00
15	256QAM	36	0	17.59	17.68	17.57	19.00
15	256QAM	36	20	17.64	17.80	17.67	19.00
15	256QAM	36	39	17.68	17.75	17.56	19.00
15	256QAM	75	0	17.69	17.70	17.56	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	17.83	17.84	17.88	19.00
10	QPSK	1	25	17.74	17.89	17.70	19.00
10	QPSK	1	49	17.81	17.90	17.61	19.00
10	QPSK	25	0	17.76	17.88	17.67	19.00
10	QPSK	25	12	17.77	17.86	17.65	19.00
10	QPSK	25	25	17.53	17.74	17.59	19.00
10	QPSK	50	0	17.70	17.88	17.63	19.00
10	16QAM	1	0	17.56	17.81	17.60	19.00
10	16QAM	1	25	17.63	17.74	17.56	19.00
10	16QAM	1	49	17.71	17.71	17.53	19.00
10	16QAM	25	0	17.73	17.86	17.74	19.00
10	16QAM	25	12	17.63	17.75	17.64	19.00
10	16QAM	25	25	17.62	17.78	17.65	19.00
10	16QAM	50	0	17.62	17.71	17.70	19.00
10	64QAM	1	0	17.51	17.79	17.63	19.00
10	64QAM	1	25	17.70	17.77	17.65	19.00
10	64QAM	1	49	17.65	17.81	17.57	19.00
10	64QAM	25	0	17.58	17.71	17.63	19.00
10	64QAM	25	12	17.66	17.80	17.55	19.00
10	64QAM	25	25	17.57	17.76	17.65	19.00
10	64QAM	50	0	17.56	17.66	17.60	19.00
10	256QAM	1	0	17.58	17.71	17.65	19.00
10	256QAM	1	25	17.70	17.77	17.48	19.00
10	256QAM	1	49	17.53	17.72	17.57	19.00
10	256QAM	25	0	17.62	17.73	17.59	19.00
10	256QAM	25	12	17.68	17.82	17.67	19.00
10	256QAM	25	25	17.59	17.74	17.48	19.00
10	256QAM	50	0	17.60	17.74	17.62	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	17.78	17.81	17.84	19.00
5	QPSK	1	12	17.65	17.81	17.69	19.00
5	QPSK	1	24	17.85	17.84	17.70	19.00
5	QPSK	12	0	17.78	17.91	17.69	19.00
5	QPSK	12	7	17.72	17.79	17.72	19.00
5	QPSK	12	13	17.63	17.83	17.69	19.00
5	QPSK	25	0	17.78	17.86	17.69	19.00
5	16QAM	1	0	17.52	17.76	17.69	19.00



5	16QAM	1	12	17.62	17.74	17.65	19.00
5	16QAM	1	24	17.78	17.79	17.55	19.00
5	16QAM	12	0	17.68	17.73	17.64	19.00
5	16QAM	12	7	17.70	17.77	17.73	19.00
5	16QAM	12	13	17.64	17.73	17.59	19.00
5	16QAM	25	0	17.68	17.73	17.67	19.00
5	64QAM	1	0	17.58	17.70	17.57	19.00
5	64QAM	1	12	17.79	17.77	17.70	19.00
5	64QAM	1	24	17.54	17.73	17.61	19.00
5	64QAM	12	0	17.54	17.81	17.55	19.00
5	64QAM	12	7	17.55	17.78	17.61	19.00
5	64QAM	12	13	17.54	17.76	17.61	19.00
5	64QAM	25	0	17.63	17.68	17.58	19.00
5	256QAM	1	0	17.56	17.76	17.58	19.00
5	256QAM	1	12	17.66	17.79	17.56	19.00
5	256QAM	1	24	17.58	17.71	17.60	19.00
5	256QAM	12	0	17.67	17.70	17.63	19.00
5	256QAM	12	7	17.71	17.79	17.59	19.00
5	256QAM	12	13	17.68	17.80	17.56	19.00
5	256QAM	25	0	17.63	17.67	17.54	19.00

【LTE Band 38_Ant 4_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.53	22.76	22.74	24.00
20	QPSK	1	49	22.46	22.72	22.62	24.00
20	QPSK	1	99	22.37	22.66	22.59	24.00
20	QPSK	50	0	21.45	21.79	21.76	23.00
20	QPSK	50	24	21.44	21.69	21.55	23.00
20	QPSK	50	50	21.52	21.76	21.63	23.00
20	QPSK	100	0	21.42	21.68	21.60	23.00
20	16QAM	1	0	21.41	21.65	21.58	23.00
20	16QAM	1	49	21.37	21.72	21.58	23.00
20	16QAM	1	99	21.29	21.56	21.48	23.00
20	16QAM	50	0	20.49	20.72	20.60	22.00
20	16QAM	50	24	20.45	20.69	20.66	22.00
20	16QAM	50	50	20.49	20.78	20.70	22.00
20	16QAM	100	0	20.40	20.68	20.62	22.00
20	64QAM	1	0	20.42	20.74	20.66	22.00
20	64QAM	1	49	20.49	20.78	20.63	22.00
20	64QAM	1	99	20.45	20.76	20.65	22.00
20	64QAM	50	0	19.52	19.75	19.70	21.00
20	64QAM	50	24	19.40	19.71	19.58	21.00
20	64QAM	50	50	19.54	19.77	19.61	21.00
20	64QAM	100	0	19.43	19.73	19.64	21.00
20	256QAM	1	0	17.44	17.67	17.63	19.00
20	256QAM	1	49	17.31	17.54	17.47	19.00
20	256QAM	1	99	17.51	17.73	17.61	19.00
20	256QAM	50	0	17.47	17.68	17.59	19.00
20	256QAM	50	24	17.48	17.70	17.64	19.00
20	256QAM	50	50	17.42	17.71	17.63	19.00
20	256QAM	100	0	17.45	17.72	17.58	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.49	22.61	22.67	24.00
15	QPSK	1	37	22.44	22.62	22.50	24.00
15	QPSK	1	74	22.28	22.58	22.58	24.00
15	QPSK	36	0	21.32	21.75	21.74	23.00
15	QPSK	36	20	21.31	21.55	21.51	23.00
15	QPSK	36	39	21.41	21.65	21.57	23.00
15	QPSK	75	0	21.39	21.63	21.49	23.00
15	16QAM	1	0	21.38	21.51	21.47	23.00
15	16QAM	1	37	21.31	21.64	21.54	23.00
15	16QAM	1	74	21.15	21.42	21.42	23.00
15	16QAM	36	0	20.42	20.58	20.57	22.00
15	16QAM	36	20	20.39	20.66	20.64	22.00
15	16QAM	36	39	20.47	20.72	20.60	22.00
15	16QAM	75	0	20.34	20.65	20.55	22.00
15	64QAM	1	0	20.32	20.62	20.55	22.00
15	64QAM	1	37	20.34	20.70	20.61	22.00



15	64QAM	1	74	20.38	20.65	20.60	22.00
15	64QAM	36	0	19.42	19.70	19.62	21.00
15	64QAM	36	20	19.30	19.70	19.54	21.00
15	64QAM	36	39	19.43	19.75	19.48	21.00
15	64QAM	75	0	19.30	19.59	19.56	21.00
15	256QAM	1	0	17.33	17.66	17.49	19.00
15	256QAM	1	37	17.27	17.49	17.37	19.00
15	256QAM	1	74	17.37	17.61	17.51	19.00
15	256QAM	36	0	17.37	17.59	17.51	19.00
15	256QAM	36	20	17.43	17.67	17.49	19.00
15	256QAM	36	39	17.34	17.59	17.54	19.00
15	256QAM	75	0	17.31	17.63	17.48	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.52	22.63	22.64	24.00
10	QPSK	1	25	22.45	22.61	22.49	24.00
10	QPSK	1	49	22.28	22.51	22.48	24.00
10	QPSK	25	0	21.32	21.73	21.65	23.00
10	QPSK	25	12	21.38	21.62	21.54	23.00
10	QPSK	25	25	21.42	21.64	21.58	23.00
10	QPSK	50	0	21.37	21.53	21.57	23.00
10	16QAM	1	0	21.35	21.55	21.54	23.00
10	16QAM	1	25	21.27	21.61	21.52	23.00
10	16QAM	1	49	21.18	21.47	21.45	23.00
10	16QAM	25	0	20.47	20.68	20.57	22.00
10	16QAM	25	12	20.30	20.55	20.52	22.00
10	16QAM	25	25	20.46	20.70	20.66	22.00
10	16QAM	50	0	20.36	20.55	20.47	22.00
10	64QAM	1	0	20.37	20.71	20.54	22.00
10	64QAM	1	25	20.37	20.73	20.58	22.00
10	64QAM	1	49	20.33	20.73	20.57	22.00
10	64QAM	25	0	19.49	19.62	19.62	21.00
10	64QAM	25	12	19.32	19.66	19.56	21.00
10	64QAM	25	25	19.50	19.71	19.52	21.00
10	64QAM	50	0	19.35	19.59	19.54	21.00
10	256QAM	1	0	17.42	17.59	17.55	19.00
10	256QAM	1	25	17.26	17.43	17.40	19.00
10	256QAM	1	49	17.37	17.72	17.48	19.00
10	256QAM	25	0	17.39	17.58	17.47	19.00
10	256QAM	25	12	17.46	17.66	17.60	19.00
10	256QAM	25	25	17.31	17.61	17.59	19.00
10	256QAM	50	0	17.33	17.66	17.48	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.47	22.73	22.65	24.00
5	QPSK	1	12	22.38	22.63	22.52	24.00
5	QPSK	1	24	22.26	22.63	22.48	24.00
5	QPSK	12	0	21.36	21.68	21.67	23.00
5	QPSK	12	7	21.32	21.64	21.51	23.00
5	QPSK	12	13	21.40	21.70	21.54	23.00
5	QPSK	25	0	21.35	21.56	21.52	23.00
5	16QAM	1	0	21.38	21.60	21.47	23.00
5	16QAM	1	12	21.33	21.68	21.47	23.00
5	16QAM	1	24	21.21	21.55	21.36	23.00
5	16QAM	12	0	20.43	20.57	20.49	22.00
5	16QAM	12	7	20.34	20.55	20.63	22.00
5	16QAM	12	13	20.43	20.72	20.62	22.00
5	16QAM	25	0	20.27	20.54	20.55	22.00
5	64QAM	1	0	20.40	20.62	20.52	22.00
5	64QAM	1	12	20.45	20.77	20.57	22.00
5	64QAM	1	24	20.41	20.69	20.52	22.00
5	64QAM	12	0	19.42	19.69	19.57	21.00
5	64QAM	12	7	19.32	19.66	19.52	21.00
5	64QAM	12	13	19.39	19.66	19.55	21.00
5	64QAM	25	0	19.30	19.65	19.63	21.00
5	256QAM	1	0	17.42	17.52	17.50	19.00
5	256QAM	1	12	17.24	17.44	17.39	19.00
5	256QAM	1	24	17.40	17.63	17.54	19.00
5	256QAM	12	0	17.45	17.63	17.53	19.00
5	256QAM	12	7	17.37	17.60	17.62	19.00
5	256QAM	12	13	17.35	17.60	17.57	19.00
5	256QAM	25	0	17.35	17.70	17.51	19.00



【LTE Band 38_Ant 4_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.53	22.76	22.74	24.00
20	QPSK	1	49	22.46	22.72	22.62	24.00
20	QPSK	1	99	22.37	22.66	22.59	24.00
20	QPSK	50	0	21.45	21.79	21.76	23.00
20	QPSK	50	24	21.44	21.69	21.55	23.00
20	QPSK	50	50	21.52	21.76	21.63	23.00
20	QPSK	100	0	21.42	21.68	21.60	23.00
20	16QAM	1	0	21.41	21.65	21.58	23.00
20	16QAM	1	49	21.37	21.72	21.58	23.00
20	16QAM	1	99	21.29	21.56	21.48	23.00
20	16QAM	50	0	20.49	20.72	20.60	22.00
20	16QAM	50	24	20.45	20.69	20.66	22.00
20	16QAM	50	50	20.49	20.78	20.70	22.00
20	16QAM	100	0	20.40	20.68	20.62	22.00
20	64QAM	1	0	20.42	20.74	20.66	22.00
20	64QAM	1	49	20.49	20.78	20.63	22.00
20	64QAM	1	99	20.45	20.76	20.65	22.00
20	64QAM	50	0	19.52	19.75	19.70	21.00
20	64QAM	50	24	19.40	19.71	19.58	21.00
20	64QAM	50	50	19.54	19.77	19.61	21.00
20	64QAM	100	0	19.43	19.73	19.64	21.00
20	256QAM	1	0	17.44	17.67	17.63	19.00
20	256QAM	1	49	17.31	17.54	17.47	19.00
20	256QAM	1	99	17.51	17.73	17.61	19.00
20	256QAM	50	0	17.47	17.68	17.59	19.00
20	256QAM	50	24	17.48	17.70	17.64	19.00
20	256QAM	50	50	17.42	17.71	17.63	19.00
20	256QAM	100	0	17.45	17.72	17.58	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.49	22.61	22.67	24.00
15	QPSK	1	37	22.44	22.62	22.50	24.00
15	QPSK	1	74	22.28	22.58	22.58	24.00
15	QPSK	36	0	21.32	21.75	21.74	23.00
15	QPSK	36	20	21.31	21.55	21.51	23.00
15	QPSK	36	39	21.41	21.65	21.57	23.00
15	QPSK	75	0	21.39	21.63	21.49	23.00
15	16QAM	1	0	21.38	21.51	21.47	23.00
15	16QAM	1	37	21.31	21.64	21.54	23.00
15	16QAM	1	74	21.15	21.42	21.42	23.00
15	16QAM	36	0	20.42	20.58	20.57	22.00
15	16QAM	36	20	20.39	20.66	20.64	22.00
15	16QAM	36	39	20.47	20.72	20.60	22.00
15	16QAM	75	0	20.34	20.65	20.55	22.00
15	64QAM	1	0	20.32	20.62	20.55	22.00
15	64QAM	1	37	20.34	20.70	20.61	22.00
15	64QAM	1	74	20.38	20.65	20.60	22.00
15	64QAM	36	0	19.42	19.70	19.62	21.00
15	64QAM	36	20	19.30	19.70	19.54	21.00
15	64QAM	36	39	19.43	19.75	19.48	21.00
15	64QAM	75	0	19.30	19.59	19.56	21.00
15	256QAM	1	0	17.33	17.66	17.49	19.00
15	256QAM	1	37	17.27	17.49	17.37	19.00
15	256QAM	1	74	17.37	17.61	17.51	19.00
15	256QAM	36	0	17.37	17.59	17.51	19.00
15	256QAM	36	20	17.43	17.67	17.49	19.00
15	256QAM	36	39	17.34	17.59	17.54	19.00
15	256QAM	75	0	17.31	17.63	17.48	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.52	22.63	22.64	24.00
10	QPSK	1	25	22.45	22.61	22.49	24.00
10	QPSK	1	49	22.28	22.51	22.48	24.00
10	QPSK	25	0	21.32	21.73	21.65	23.00
10	QPSK	25	12	21.38	21.62	21.54	23.00
10	QPSK	25	25	21.42	21.64	21.58	23.00
10	QPSK	50	0	21.37	21.53	21.57	23.00
10	16QAM	1	0	21.35	21.55	21.54	23.00
10	16QAM	1	25	21.27	21.61	21.52	23.00
10	16QAM	1	49	21.18	21.47	21.45	23.00
10	16QAM	25	0	20.47	20.68	20.57	22.00
10	16QAM	25	12	20.30	20.55	20.52	22.00



10	16QAM	25	25	20.46	20.70	20.66	22.00
10	16QAM	50	0	20.36	20.55	20.47	22.00
10	64QAM	1	0	20.37	20.71	20.54	22.00
10	64QAM	1	25	20.37	20.73	20.58	22.00
10	64QAM	1	49	20.33	20.73	20.57	22.00
10	64QAM	25	0	19.49	19.62	19.62	21.00
10	64QAM	25	12	19.32	19.66	19.56	21.00
10	64QAM	25	25	19.50	19.71	19.52	21.00
10	64QAM	50	0	19.35	19.59	19.54	21.00
10	256QAM	1	0	17.42	17.59	17.55	19.00
10	256QAM	1	25	17.26	17.43	17.40	19.00
10	256QAM	1	49	17.37	17.72	17.48	19.00
10	256QAM	25	0	17.39	17.58	17.47	19.00
10	256QAM	25	12	17.46	17.66	17.60	19.00
10	256QAM	25	25	17.31	17.61	17.59	19.00
10	256QAM	50	0	17.33	17.66	17.48	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.47	22.73	22.65	24.00
5	QPSK	1	12	22.38	22.63	22.52	24.00
5	QPSK	1	24	22.26	22.63	22.48	24.00
5	QPSK	12	0	21.36	21.68	21.67	23.00
5	QPSK	12	7	21.32	21.64	21.51	23.00
5	QPSK	12	13	21.40	21.70	21.54	23.00
5	QPSK	25	0	21.35	21.56	21.52	23.00
5	16QAM	1	0	21.38	21.60	21.47	23.00
5	16QAM	1	12	21.33	21.68	21.47	23.00
5	16QAM	1	24	21.21	21.55	21.36	23.00
5	16QAM	12	0	20.43	20.57	20.49	22.00
5	16QAM	12	7	20.34	20.55	20.63	22.00
5	16QAM	12	13	20.43	20.72	20.62	22.00
5	16QAM	25	0	20.27	20.54	20.55	22.00
5	64QAM	1	0	20.40	20.62	20.52	22.00
5	64QAM	1	12	20.45	20.77	20.57	22.00
5	64QAM	1	24	20.41	20.69	20.52	22.00
5	64QAM	12	0	19.42	19.69	19.57	21.00
5	64QAM	12	7	19.32	19.66	19.52	21.00
5	64QAM	12	13	19.39	19.66	19.55	21.00
5	64QAM	25	0	19.30	19.65	19.63	21.00
5	256QAM	1	0	17.42	17.52	17.50	19.00
5	256QAM	1	12	17.24	17.44	17.39	19.00
5	256QAM	1	24	17.40	17.63	17.54	19.00
5	256QAM	12	0	17.45	17.63	17.53	19.00
5	256QAM	12	7	17.37	17.60	17.62	19.00
5	256QAM	12	13	17.35	17.60	17.57	19.00
5	256QAM	25	0	17.35	17.70	17.51	19.00

【LTE Band 38_Ant 4_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.70	19.79	19.78	21.00
20	QPSK	1	49	19.61	19.72	19.66	21.00
20	QPSK	1	99	19.45	19.66	19.53	21.00
20	QPSK	50	0	19.62	19.75	19.73	21.00
20	QPSK	50	24	19.57	19.69	19.58	21.00
20	QPSK	50	50	19.46	19.65	19.58	21.00
20	QPSK	100	0	19.50	19.63	19.50	21.00
20	16QAM	1	0	19.53	19.67	19.56	21.00
20	16QAM	1	49	19.56	19.69	19.67	21.00
20	16QAM	1	99	19.45	19.62	19.56	21.00
20	16QAM	50	0	19.56	19.70	19.57	21.00
20	16QAM	50	24	19.46	19.68	19.63	21.00
20	16QAM	50	50	19.40	19.62	19.57	21.00
20	16QAM	100	0	19.46	19.63	19.55	21.00
20	64QAM	1	0	19.54	19.69	19.55	21.00
20	64QAM	1	49	19.58	19.70	19.65	21.00
20	64QAM	1	99	19.45	19.65	19.51	21.00
20	64QAM	50	0	19.45	19.61	19.49	21.00
20	64QAM	50	24	19.48	19.58	19.56	21.00
20	64QAM	50	50	19.41	19.55	19.44	21.00



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20	64QAM	100	0	19.43	19.60	19.54	21.00
20	256QAM	1	0	17.44	17.67	17.63	19.00
20	256QAM	1	49	17.31	17.54	17.47	19.00
20	256QAM	1	99	17.51	17.73	17.61	19.00
20	256QAM	50	0	17.47	17.68	17.59	19.00
20	256QAM	50	24	17.48	17.70	17.64	19.00
20	256QAM	50	50	17.42	17.71	17.63	19.00
20	256QAM	100	0	17.45	17.72	17.58	19.00
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	19.60	19.73	19.65	21.00
15	QPSK	1	37	19.56	19.69	19.60	21.00
15	QPSK	1	74	19.33	19.60	19.40	21.00
15	QPSK	36	0	19.47	19.73	19.67	21.00
15	QPSK	36	20	19.55	19.62	19.50	21.00
15	QPSK	36	39	19.42	19.62	19.44	21.00
15	QPSK	75	0	19.48	19.54	19.46	21.00
15	16QAM	1	0	19.41	19.57	19.43	21.00
15	16QAM	1	37	19.48	19.66	19.56	21.00
15	16QAM	1	74	19.38	19.59	19.42	21.00
15	16QAM	36	0	19.46	19.56	19.43	21.00
15	16QAM	36	20	19.31	19.66	19.52	21.00
15	16QAM	36	39	19.30	19.54	19.55	21.00
15	16QAM	75	0	19.32	19.51	19.40	21.00
15	64QAM	1	0	19.47	19.60	19.51	21.00
15	64QAM	1	37	19.46	19.66	19.60	21.00
15	64QAM	1	74	19.30	19.51	19.45	21.00
15	64QAM	36	0	19.38	19.50	19.34	21.00
15	64QAM	36	20	19.37	19.45	19.43	21.00
15	64QAM	36	39	19.38	19.52	19.40	21.00
15	64QAM	75	0	19.33	19.46	19.47	21.00
15	256QAM	1	0	17.37	17.64	17.60	19.00
15	256QAM	1	37	17.18	17.46	17.33	19.00
15	256QAM	1	74	17.37	17.68	17.49	19.00
15	256QAM	36	0	17.33	17.56	17.54	19.00
15	256QAM	36	20	17.41	17.55	17.57	19.00
15	256QAM	36	39	17.29	17.65	17.57	19.00
15	256QAM	75	0	17.43	17.69	17.43	19.00
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.56	19.76	19.64	21.00
10	QPSK	1	25	19.54	19.58	19.58	21.00
10	QPSK	1	49	19.43	19.58	19.46	21.00
10	QPSK	25	0	19.51	19.72	19.62	21.00
10	QPSK	25	12	19.45	19.63	19.56	21.00
10	QPSK	25	25	19.43	19.54	19.48	21.00
10	QPSK	50	0	19.38	19.53	19.45	21.00
10	16QAM	1	0	19.43	19.62	19.48	21.00
10	16QAM	1	25	19.52	19.66	19.58	21.00
10	16QAM	1	49	19.41	19.57	19.41	21.00
10	16QAM	25	0	19.46	19.59	19.50	21.00
10	16QAM	25	12	19.40	19.55	19.54	21.00
10	16QAM	25	25	19.26	19.55	19.52	21.00
10	16QAM	50	0	19.33	19.54	19.49	21.00
10	64QAM	1	0	19.45	19.65	19.48	21.00
10	64QAM	1	25	19.56	19.69	19.62	21.00
10	64QAM	1	49	19.34	19.50	19.44	21.00
10	64QAM	25	0	19.43	19.48	19.39	21.00
10	64QAM	25	12	19.40	19.55	19.44	21.00
10	64QAM	25	25	19.38	19.46	19.31	21.00
10	64QAM	50	0	19.28	19.55	19.39	21.00
10	256QAM	1	0	17.41	17.60	17.62	19.00
10	256QAM	1	25	17.23	17.46	17.34	19.00
10	256QAM	1	49	17.40	17.65	17.54	19.00
10	256QAM	25	0	17.39	17.65	17.49	19.00
10	256QAM	25	12	17.42	17.55	17.58	19.00
10	256QAM	25	25	17.31	17.61	17.50	19.00
10	256QAM	50	0	17.32	17.61	17.56	19.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.60	19.78	19.72	21.00
5	QPSK	1	12	19.48	19.58	19.52	21.00
5	QPSK	1	24	19.34	19.53	19.43	21.00
5	QPSK	12	0	19.48	19.71	19.71	21.00
5	QPSK	12	7	19.53	19.59	19.51	21.00
5	QPSK	12	13	19.43	19.63	19.50	21.00
5	QPSK	25	0	19.38	19.54	19.46	21.00
5	16QAM	1	0	19.40	19.56	19.48	21.00



5	16QAM	1	12	19.49	19.55	19.60	21.00
5	16QAM	1	24	19.44	19.52	19.53	21.00
5	16QAM	12	0	19.51	19.61	19.46	21.00
5	16QAM	12	7	19.43	19.63	19.50	21.00
5	16QAM	12	13	19.33	19.53	19.53	21.00
5	16QAM	25	0	19.32	19.59	19.54	21.00
5	64QAM	1	0	19.45	19.68	19.51	21.00
5	64QAM	1	12	19.53	19.56	19.60	21.00
5	64QAM	1	24	19.37	19.61	19.39	21.00
5	64QAM	12	0	19.32	19.53	19.47	21.00
5	64QAM	12	7	19.37	19.46	19.47	21.00
5	64QAM	12	13	19.33	19.40	19.37	21.00
5	64QAM	25	0	19.38	19.54	19.51	21.00
5	256QAM	1	0	17.35	17.58	17.55	19.00
5	256QAM	1	12	17.19	17.47	17.32	19.00
5	256QAM	1	24	17.44	17.70	17.58	19.00
5	256QAM	12	0	17.44	17.64	17.44	19.00
5	256QAM	12	7	17.43	17.58	17.51	19.00
5	256QAM	12	13	17.40	17.69	17.60	19.00
5	256QAM	25	0	17.34	17.62	17.51	19.00

【LTE Band 38_Ant 4_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.70	19.79	19.78	21.00
20	QPSK	1	49	19.61	19.72	19.66	21.00
20	QPSK	1	99	19.45	19.66	19.53	21.00
20	QPSK	50	0	19.62	19.75	19.73	21.00
20	QPSK	50	24	19.57	19.69	19.58	21.00
20	QPSK	50	50	19.46	19.65	19.58	21.00
20	QPSK	100	0	19.50	19.63	19.50	21.00
20	16QAM	1	0	19.53	19.67	19.56	21.00
20	16QAM	1	49	19.56	19.69	19.67	21.00
20	16QAM	1	99	19.45	19.62	19.56	21.00
20	16QAM	50	0	19.56	19.70	19.57	21.00
20	16QAM	50	24	19.46	19.68	19.63	21.00
20	16QAM	50	50	19.40	19.62	19.57	21.00
20	16QAM	100	0	19.46	19.63	19.55	21.00
20	64QAM	1	0	19.54	19.69	19.55	21.00
20	64QAM	1	49	19.58	19.70	19.65	21.00
20	64QAM	1	99	19.45	19.65	19.51	21.00
20	64QAM	50	0	19.45	19.61	19.49	21.00
20	64QAM	50	24	19.48	19.58	19.56	21.00
20	64QAM	50	50	19.41	19.55	19.44	21.00
20	64QAM	100	0	19.43	19.60	19.54	21.00
20	256QAM	1	0	17.44	17.67	17.63	19.00
20	256QAM	1	49	17.31	17.54	17.47	19.00
20	256QAM	1	99	17.51	17.73	17.61	19.00
20	256QAM	50	0	17.47	17.68	17.59	19.00
20	256QAM	50	24	17.48	17.70	17.64	19.00
20	256QAM	50	50	17.42	17.71	17.63	19.00
20	256QAM	100	0	17.45	17.72	17.58	19.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.60	19.73	19.65	21.00
15	QPSK	1	37	19.56	19.69	19.60	21.00
15	QPSK	1	74	19.33	19.60	19.40	21.00
15	QPSK	36	0	19.47	19.73	19.67	21.00
15	QPSK	36	20	19.55	19.62	19.50	21.00
15	QPSK	36	39	19.42	19.62	19.44	21.00
15	QPSK	75	0	19.48	19.54	19.46	21.00
15	16QAM	1	0	19.41	19.57	19.43	21.00
15	16QAM	1	37	19.48	19.66	19.56	21.00
15	16QAM	1	74	19.38	19.59	19.42	21.00
15	16QAM	36	0	19.46	19.56	19.43	21.00
15	16QAM	36	20	19.31	19.66	19.52	21.00
15	16QAM	36	39	19.30	19.54	19.55	21.00
15	16QAM	75	0	19.32	19.51	19.40	21.00
15	64QAM	1	0	19.47	19.60	19.51	21.00
15	64QAM	1	37	19.46	19.66	19.60	21.00



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15	64QAM	1	74	19.30	19.51	19.45	21.00
15	64QAM	36	0	19.38	19.50	19.34	21.00
15	64QAM	36	20	19.37	19.45	19.43	21.00
15	64QAM	36	39	19.38	19.52	19.40	21.00
15	64QAM	75	0	19.33	19.46	19.47	21.00
15	256QAM	1	0	17.37	17.64	17.60	19.00
15	256QAM	1	37	17.18	17.46	17.33	19.00
15	256QAM	1	74	17.37	17.68	17.49	19.00
15	256QAM	36	0	17.33	17.56	17.54	19.00
15	256QAM	36	20	17.41	17.55	17.57	19.00
15	256QAM	36	39	17.29	17.65	17.57	19.00
15	256QAM	75	0	17.43	17.69	17.43	19.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.56	19.76	19.64	21.00
10	QPSK	1	25	19.54	19.58	19.58	21.00
10	QPSK	1	49	19.43	19.58	19.46	21.00
10	QPSK	25	0	19.51	19.72	19.62	21.00
10	QPSK	25	12	19.45	19.63	19.56	21.00
10	QPSK	25	25	19.43	19.54	19.48	21.00
10	QPSK	50	0	19.38	19.53	19.45	21.00
10	16QAM	1	0	19.43	19.62	19.48	21.00
10	16QAM	1	25	19.52	19.66	19.58	21.00
10	16QAM	1	49	19.41	19.57	19.41	21.00
10	16QAM	25	0	19.46	19.59	19.50	21.00
10	16QAM	25	12	19.40	19.55	19.54	21.00
10	16QAM	25	25	19.26	19.55	19.52	21.00
10	16QAM	50	0	19.33	19.54	19.49	21.00
10	64QAM	1	0	19.45	19.65	19.48	21.00
10	64QAM	1	25	19.56	19.69	19.62	21.00
10	64QAM	1	49	19.34	19.50	19.44	21.00
10	64QAM	25	0	19.43	19.48	19.39	21.00
10	64QAM	25	12	19.40	19.55	19.44	21.00
10	64QAM	25	25	19.38	19.46	19.31	21.00
10	64QAM	50	0	19.28	19.55	19.39	21.00
10	256QAM	1	0	17.41	17.60	17.62	19.00
10	256QAM	1	25	17.23	17.46	17.34	19.00
10	256QAM	1	49	17.40	17.65	17.54	19.00
10	256QAM	25	0	17.39	17.65	17.49	19.00
10	256QAM	25	12	17.42	17.55	17.58	19.00
10	256QAM	25	25	17.31	17.61	17.50	19.00
10	256QAM	50	0	17.32	17.61	17.56	19.00
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.60	19.78	19.72	21.00
5	QPSK	1	12	19.48	19.58	19.52	21.00
5	QPSK	1	24	19.34	19.53	19.43	21.00
5	QPSK	12	0	19.48	19.71	19.71	21.00
5	QPSK	12	7	19.53	19.59	19.51	21.00
5	QPSK	12	13	19.43	19.63	19.50	21.00
5	QPSK	25	0	19.38	19.54	19.46	21.00
5	16QAM	1	0	19.40	19.56	19.48	21.00
5	16QAM	1	12	19.49	19.55	19.60	21.00
5	16QAM	1	24	19.44	19.52	19.53	21.00
5	16QAM	12	0	19.51	19.61	19.46	21.00
5	16QAM	12	7	19.43	19.63	19.50	21.00
5	16QAM	12	13	19.33	19.53	19.53	21.00
5	16QAM	25	0	19.32	19.59	19.54	21.00
5	64QAM	1	0	19.45	19.68	19.51	21.00
5	64QAM	1	12	19.53	19.56	19.60	21.00
5	64QAM	1	24	19.37	19.61	19.39	21.00
5	64QAM	12	0	19.32	19.53	19.47	21.00
5	64QAM	12	7	19.37	19.46	19.47	21.00
5	64QAM	12	13	19.33	19.40	19.37	21.00
5	64QAM	25	0	19.38	19.54	19.51	21.00
5	256QAM	1	0	17.35	17.58	17.55	19.00
5	256QAM	1	12	17.19	17.47	17.32	19.00
5	256QAM	1	24	17.44	17.70	17.58	19.00
5	256QAM	12	0	17.44	17.64	17.44	19.00
5	256QAM	12	7	17.43	17.58	17.51	19.00
5	256QAM	12	13	17.40	17.69	17.60	19.00
5	256QAM	25	0	17.34	17.62	17.51	19.00



【LTE Band 41_FCC (2496~2690MHz)_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	25.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.40	23.27	23.41	23.40	23.22	25.00
20	QPSK	1	49	23.15	23.08	23.30	23.15	23.01	25.00
20	QPSK	1	99	23.17	23.15	23.30	23.24	23.03	25.00
20	QPSK	50	0	22.46	22.26	22.48	22.40	22.25	24.00
20	QPSK	50	24	22.22	22.16	22.37	22.30	22.08	24.00
20	QPSK	50	50	22.25	22.23	22.41	22.33	22.17	24.00
20	QPSK	100	0	22.31	22.14	22.38	22.24	22.06	24.00
20	16QAM	1	0	22.28	22.14	22.31	22.18	22.07	24.00
20	16QAM	1	49	22.28	22.18	22.41	22.34	22.11	24.00
20	16QAM	1	99	22.21	22.06	22.23	22.10	22.00	24.00
20	16QAM	50	0	21.22	21.05	21.32	21.28	21.05	23.00
20	16QAM	50	24	21.28	21.20	21.39	21.31	21.15	23.00
20	16QAM	50	50	21.35	21.24	21.38	21.23	21.18	23.00
20	16QAM	100	0	21.22	21.18	21.36	21.31	21.04	23.00
20	64QAM	1	0	21.44	21.35	21.50	21.42	21.18	23.00
20	64QAM	1	49	21.29	21.15	21.35	21.32	21.13	23.00
20	64QAM	1	99	21.22	21.09	21.34	21.20	21.06	23.00
20	64QAM	50	0	20.16	20.15	20.32	20.18	20.07	22.00
20	64QAM	50	24	20.25	20.12	20.36	20.28	20.15	22.00
20	64QAM	50	50	20.29	20.22	20.38	20.27	20.08	22.00
20	64QAM	100	0	20.30	20.14	20.37	20.31	20.10	22.00
20	256QAM	1	0	18.22	18.12	18.32	18.29	18.12	20.00
20	256QAM	1	49	18.27	18.08	18.29	18.19	18.07	20.00
20	256QAM	1	99	18.27	18.12	18.36	18.25	18.10	20.00
20	256QAM	50	0	18.20	18.07	18.29	18.23	18.12	20.00
20	256QAM	50	24	18.35	18.23	18.38	18.27	18.16	20.00
20	256QAM	50	50	18.28	18.13	18.37	18.31	18.09	20.00
20	256QAM	100	0	18.25	18.23	18.40	18.31	18.17	20.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.27	23.15	23.35	23.36	23.10	25.00
15	QPSK	1	37	23.02	23.01	23.20	23.08	23.01	25.00
15	QPSK	1	74	23.05	23.08	23.23	23.19	23.01	25.00
15	QPSK	36	0	22.32	22.24	22.42	22.31	22.13	24.00
15	QPSK	36	20	22.07	22.12	22.23	22.23	22.06	24.00
15	QPSK	36	39	22.22	22.09	22.28	22.31	22.14	24.00
15	QPSK	75	0	22.20	22.09	22.32	22.20	22.00	24.00
15	16QAM	1	0	22.26	22.08	22.27	22.11	22.00	24.00
15	16QAM	1	37	22.13	22.13	22.33	22.31	22.10	24.00
15	16QAM	1	74	22.10	22.00	22.17	22.07	22.01	24.00
15	16QAM	36	0	21.18	21.02	21.20	21.18	21.00	23.00
15	16QAM	36	20	21.25	21.07	21.33	21.28	21.04	23.00
15	16QAM	36	39	21.25	21.19	21.36	21.10	21.07	23.00
15	16QAM	75	0	21.15	21.10	21.30	21.23	21.00	23.00
15	64QAM	1	0	21.40	21.25	21.47	21.39	21.06	23.00
15	64QAM	1	37	21.18	21.13	21.30	21.22	21.02	23.00
15	64QAM	1	74	21.16	21.00	21.21	21.07	21.00	23.00
15	64QAM	36	0	20.05	20.13	20.22	20.15	20.01	22.00
15	64QAM	36	20	20.22	20.10	20.33	20.24	20.07	22.00
15	64QAM	36	39	20.27	20.13	20.31	20.15	20.03	22.00
15	64QAM	75	0	20.16	20.03	20.35	20.25	20.02	22.00
15	256QAM	1	0	18.13	18.01	18.18	18.19	18.09	20.00
15	256QAM	1	37	18.20	18.00	18.16	18.12	18.02	20.00
15	256QAM	1	74	18.23	18.03	18.26	18.16	18.00	20.00
15	256QAM	36	0	18.06	18.00	18.21	18.16	18.07	20.00
15	256QAM	36	20	18.23	18.17	18.26	18.14	18.11	20.00
15	256QAM	36	39	18.14	18.04	18.34	18.26	18.03	20.00
15	256QAM	75	0	18.21	18.16	18.35	18.17	18.04	20.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.37	23.25	23.33	23.31	23.11	25.00
10	QPSK	1	25	23.08	23.01	23.21	23.11	23.00	25.00
10	QPSK	1	49	23.14	23.12	23.21	23.22	23.00	25.00
10	QPSK	25	0	22.33	22.14	22.33	22.26	22.11	24.00
10	QPSK	25	12	22.10	22.09	22.35	22.18	22.06	24.00
10	QPSK	25	25	22.23	22.08	22.36	22.20	22.04	24.00
10	QPSK	50	0	22.18	22.02	22.35	22.11	22.00	24.00
10	16QAM	1	0	22.16	22.08	22.29	22.04	22.00	24.00
10	16QAM	1	25	22.16	22.04	22.35	22.33	22.00	24.00
10	16QAM	1	49	22.15	22.00	22.14	22.02	22.02	24.00



10	16QAM	25	0	21.13	21.00	21.19	21.19	21.03	23.00
10	16QAM	25	12	21.13	21.17	21.24	21.17	21.06	23.00
10	16QAM	25	25	21.26	21.10	21.28	21.15	21.07	23.00
10	16QAM	50	0	21.15	21.08	21.25	21.26	21.03	23.00
10	64QAM	1	0	21.41	21.34	21.38	21.28	21.15	23.00
10	64QAM	1	25	21.27	21.07	21.34	21.19	21.11	23.00
10	64QAM	1	49	21.13	21.01	21.23	21.08	21.02	23.00
10	64QAM	25	0	20.13	20.10	20.31	20.10	20.01	22.00
10	64QAM	25	12	20.23	20.00	20.21	20.21	20.09	22.00
10	64QAM	25	25	20.20	20.08	20.33	20.15	20.04	22.00
10	64QAM	50	0	20.26	20.03	20.30	20.23	20.00	22.00
10	256QAM	1	0	18.12	18.01	18.28	18.26	18.00	20.00
10	256QAM	1	25	18.20	18.00	18.16	18.14	18.03	20.00
10	256QAM	1	49	18.20	18.04	18.24	18.14	18.00	20.00
10	256QAM	25	0	18.08	18.04	18.23	18.21	18.06	20.00
10	256QAM	25	12	18.24	18.17	18.32	18.24	18.02	20.00
10	256QAM	25	25	18.20	18.09	18.30	18.22	18.03	20.00
10	256QAM	50	0	18.14	18.12	18.37	18.27	18.15	20.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.37	23.12	23.34	23.25	23.16	25.00
5	QPSK	1	12	23.00	23.01	23.25	23.13	23.01	25.00
5	QPSK	1	24	23.06	23.07	23.18	23.15	23.00	25.00
5	QPSK	12	0	22.34	22.12	22.43	22.31	22.13	24.00
5	QPSK	12	7	22.12	22.13	22.33	22.26	22.04	24.00
5	QPSK	12	13	22.17	22.09	22.31	22.20	22.09	24.00
5	QPSK	25	0	22.19	22.01	22.32	22.18	22.00	24.00
5	16QAM	1	0	22.16	22.00	22.28	22.10	22.01	24.00
5	16QAM	1	12	22.24	22.14	22.27	22.31	22.01	24.00
5	16QAM	1	24	22.14	22.02	22.14	22.01	22.02	24.00
5	16QAM	12	0	21.16	21.02	21.22	21.16	21.02	23.00
5	16QAM	12	7	21.16	21.09	21.36	21.23	21.06	23.00
5	16QAM	12	13	21.26	21.13	21.31	21.21	21.15	23.00
5	16QAM	25	0	21.09	21.10	21.25	21.18	21.01	23.00
5	64QAM	1	0	21.42	21.24	21.43	21.31	21.12	23.00
5	64QAM	1	12	21.15	21.03	21.31	21.25	21.00	23.00
5	64QAM	1	24	21.16	21.03	21.20	21.13	21.01	23.00
5	64QAM	12	0	20.04	20.12	20.20	20.14	20.01	22.00
5	64QAM	12	7	20.21	20.10	20.31	20.16	20.01	22.00
5	64QAM	12	13	20.27	20.18	20.34	20.15	20.01	22.00
5	64QAM	25	0	20.28	20.00	20.35	20.25	20.02	22.00
5	256QAM	1	0	18.18	18.02	18.20	18.21	18.05	20.00
5	256QAM	1	12	18.15	18.01	18.18	18.07	18.00	20.00
5	256QAM	1	24	18.12	18.10	18.22	18.21	18.07	20.00
5	256QAM	12	0	18.10	18.00	18.15	18.21	18.00	20.00
5	256QAM	12	7	18.31	18.22	18.30	18.23	18.12	20.00
5	256QAM	12	13	18.15	18.02	18.24	18.22	18.01	20.00
5	256QAM	25	0	18.20	18.20	18.32	18.27	18.05	20.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 0_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.40	23.27	23.41	23.40	23.22	25.00
20	QPSK	1	49	23.15	23.08	23.30	23.15	23.01	25.00
20	QPSK	1	99	23.17	23.15	23.30	23.24	23.03	25.00
20	QPSK	50	0	22.46	22.26	22.48	22.40	22.25	24.00
20	QPSK	50	24	22.22	22.16	22.37	22.30	22.08	24.00
20	QPSK	50	50	22.25	22.23	22.41	22.33	22.17	24.00
20	QPSK	100	0	22.31	22.14	22.38	22.24	22.06	24.00
20	16QAM	1	0	22.28	22.14	22.31	22.18	22.07	24.00
20	16QAM	1	49	22.28	22.18	22.41	22.34	22.11	24.00
20	16QAM	1	99	22.21	22.06	22.23	22.10	22.00	24.00
20	16QAM	50	0	21.22	21.05	21.32	21.28	21.05	23.00
20	16QAM	50	24	21.28	21.20	21.39	21.31	21.15	23.00
20	16QAM	50	50	21.35	21.24	21.38	21.23	21.18	23.00
20	16QAM	100	0	21.22	21.18	21.36	21.31	21.04	23.00
20	64QAM	1	0	21.44	21.35	21.50	21.42	21.18	23.00
20	64QAM	1	49	21.29	21.15	21.35	21.32	21.13	23.00
20	64QAM	1	99	21.22	21.09	21.34	21.20	21.06	23.00



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20	64QAM	50	0	20.16	20.15	20.32	20.18	20.07	22.00
20	64QAM	50	24	20.25	20.12	20.36	20.28	20.15	22.00
20	64QAM	50	50	20.29	20.22	20.38	20.27	20.08	22.00
20	64QAM	100	0	20.30	20.14	20.37	20.31	20.10	22.00
20	256QAM	1	0	18.22	18.12	18.32	18.29	18.12	20.00
20	256QAM	1	49	18.27	18.08	18.29	18.19	18.07	20.00
20	256QAM	1	99	18.27	18.12	18.36	18.25	18.10	20.00
20	256QAM	50	0	18.20	18.07	18.29	18.23	18.12	20.00
20	256QAM	50	24	18.35	18.23	18.38	18.27	18.16	20.00
20	256QAM	50	50	18.28	18.13	18.37	18.31	18.09	20.00
20	256QAM	100	0	18.25	18.23	18.40	18.31	18.17	20.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.27	23.15	23.35	23.36	23.10	25.00
15	QPSK	1	37	23.02	23.01	23.20	23.08	23.01	25.00
15	QPSK	1	74	23.05	23.08	23.23	23.19	23.01	25.00
15	QPSK	36	0	22.32	22.24	22.42	22.31	22.13	24.00
15	QPSK	36	20	22.07	22.12	22.23	22.23	22.06	24.00
15	QPSK	36	39	22.22	22.09	22.28	22.31	22.14	24.00
15	QPSK	75	0	22.20	22.09	22.32	22.20	22.00	24.00
15	16QAM	1	0	22.26	22.08	22.27	22.11	22.00	24.00
15	16QAM	1	37	22.13	22.13	22.33	22.31	22.10	24.00
15	16QAM	1	74	22.10	22.00	22.17	22.07	22.01	24.00
15	16QAM	36	0	21.18	21.02	21.20	21.18	21.00	23.00
15	16QAM	36	20	21.25	21.07	21.33	21.28	21.04	23.00
15	16QAM	36	39	21.25	21.19	21.36	21.10	21.07	23.00
15	16QAM	75	0	21.15	21.10	21.30	21.23	21.00	23.00
15	64QAM	1	0	21.40	21.25	21.47	21.39	21.06	23.00
15	64QAM	1	37	21.18	21.13	21.30	21.22	21.02	23.00
15	64QAM	1	74	21.16	21.00	21.21	21.07	21.00	23.00
15	64QAM	36	0	20.05	20.13	20.22	20.15	20.01	22.00
15	64QAM	36	20	20.22	20.10	20.33	20.24	20.07	22.00
15	64QAM	36	39	20.27	20.13	20.31	20.15	20.03	22.00
15	64QAM	75	0	20.16	20.03	20.35	20.25	20.02	22.00
15	256QAM	1	0	18.13	18.01	18.18	18.19	18.09	20.00
15	256QAM	1	37	18.20	18.00	18.16	18.12	18.02	20.00
15	256QAM	1	74	18.23	18.03	18.26	18.16	18.00	20.00
15	256QAM	36	0	18.06	18.00	18.21	18.16	18.07	20.00
15	256QAM	36	20	18.23	18.17	18.26	18.14	18.11	20.00
15	256QAM	36	39	18.14	18.04	18.34	18.26	18.03	20.00
15	256QAM	75	0	18.21	18.16	18.35	18.17	18.04	20.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.37	23.25	23.33	23.31	23.11	25.00
10	QPSK	1	25	23.08	23.01	23.21	23.11	23.00	25.00
10	QPSK	1	49	23.14	23.12	23.21	23.22	23.00	25.00
10	QPSK	25	0	22.33	22.14	22.33	22.26	22.11	24.00
10	QPSK	25	12	22.10	22.09	22.35	22.18	22.06	24.00
10	QPSK	25	25	22.23	22.08	22.36	22.20	22.04	24.00
10	QPSK	50	0	22.18	22.02	22.35	22.11	22.00	24.00
10	16QAM	1	0	22.16	22.08	22.29	22.04	22.00	24.00
10	16QAM	1	25	22.16	22.04	22.35	22.33	22.00	24.00
10	16QAM	1	49	22.15	22.00	22.14	22.02	22.02	24.00
10	16QAM	25	0	21.13	21.00	21.19	21.19	21.03	23.00
10	16QAM	25	12	21.13	21.17	21.24	21.17	21.06	23.00
10	16QAM	25	25	21.26	21.10	21.28	21.15	21.07	23.00
10	16QAM	50	0	21.15	21.08	21.25	21.26	21.03	23.00
10	64QAM	1	0	21.41	21.34	21.38	21.28	21.15	23.00
10	64QAM	1	25	21.27	21.07	21.34	21.19	21.11	23.00
10	64QAM	1	49	21.13	21.01	21.23	21.08	21.02	23.00
10	64QAM	25	0	20.13	20.10	20.31	20.10	20.01	22.00
10	64QAM	25	12	20.23	20.00	20.21	20.21	20.09	22.00
10	64QAM	25	25	20.20	20.08	20.33	20.15	20.04	22.00
10	64QAM	50	0	20.26	20.03	20.30	20.23	20.00	22.00
10	256QAM	1	0	18.12	18.01	18.28	18.26	18.00	20.00
10	256QAM	1	25	18.20	18.00	18.16	18.14	18.03	20.00
10	256QAM	1	49	18.20	18.04	18.24	18.14	18.00	20.00
10	256QAM	25	0	18.08	18.04	18.23	18.21	18.06	20.00
10	256QAM	25	12	18.24	18.17	18.32	18.24	18.02	20.00
10	256QAM	25	25	18.20	18.09	18.30	18.22	18.03	20.00
10	256QAM	50	0	18.14	18.12	18.37	18.27	18.15	20.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.37	23.12	23.34	23.25	23.16	25.00
5	QPSK	1	12	23.00	23.01	23.25	23.13	23.01	25.00



5	QPSK	1	24	23.06	23.07	23.18	23.15	23.00	25.00
5	QPSK	12	0	22.34	22.12	22.43	22.31	22.13	24.00
5	QPSK	12	7	22.12	22.13	22.33	22.26	22.04	24.00
5	QPSK	12	13	22.17	22.09	22.31	22.20	22.09	24.00
5	QPSK	25	0	22.19	22.01	22.32	22.18	22.00	24.00
5	16QAM	1	0	22.16	22.00	22.28	22.10	22.01	24.00
5	16QAM	1	12	22.24	22.14	22.27	22.31	22.01	24.00
5	16QAM	1	24	22.14	22.02	22.14	22.01	22.02	24.00
5	16QAM	12	0	21.16	21.02	21.22	21.16	21.02	23.00
5	16QAM	12	7	21.16	21.09	21.36	21.23	21.06	23.00
5	16QAM	12	13	21.26	21.13	21.31	21.21	21.15	23.00
5	16QAM	25	0	21.09	21.10	21.25	21.18	21.01	23.00
5	64QAM	1	0	21.42	21.24	21.43	21.31	21.12	23.00
5	64QAM	1	12	21.15	21.03	21.31	21.25	21.00	23.00
5	64QAM	1	24	21.16	21.03	21.20	21.13	21.01	23.00
5	64QAM	12	0	20.04	20.12	20.20	20.14	20.01	22.00
5	64QAM	12	7	20.21	20.10	20.31	20.16	20.01	22.00
5	64QAM	12	13	20.27	20.18	20.34	20.15	20.01	22.00
5	64QAM	25	0	20.28	20.00	20.35	20.25	20.02	22.00
5	256QAM	1	0	18.18	18.02	18.20	18.21	18.05	20.00
5	256QAM	1	12	18.15	18.01	18.18	18.07	18.00	20.00
5	256QAM	1	24	18.12	18.10	18.22	18.21	18.07	20.00
5	256QAM	12	0	18.10	18.00	18.15	18.21	18.00	20.00
5	256QAM	12	7	18.31	18.22	18.30	18.23	18.12	20.00
5	256QAM	12	13	18.15	18.02	18.24	18.22	18.01	20.00
5	256QAM	25	0	18.20	18.20	18.32	18.27	18.05	20.00

【LTE Band 41__FCC (2496~2690MHz)_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.42	18.44	18.56	18.42	18.39	20.00
20	QPSK	1	49	18.12	18.18	18.29	18.20	18.09	20.00
20	QPSK	1	99	18.08	18.10	18.24	18.08	18.03	20.00
20	QPSK	50	0	18.34	18.37	18.41	18.36	18.31	20.00
20	QPSK	50	24	18.15	18.14	18.26	18.07	18.17	20.00
20	QPSK	50	50	18.17	18.28	18.33	18.24	18.19	20.00
20	QPSK	100	0	18.31	18.33	18.36	18.29	18.24	20.00
20	16QAM	1	0	18.23	18.22	18.36	18.29	18.16	20.00
20	16QAM	1	49	18.12	18.16	18.26	18.11	18.15	20.00
20	16QAM	1	99	18.07	18.13	18.23	18.13	18.07	20.00
20	16QAM	50	0	18.03	18.14	18.23	18.15	18.02	20.00
20	16QAM	50	24	18.14	18.30	18.34	18.16	18.13	20.00
20	16QAM	50	50	18.11	18.19	18.29	18.21	18.12	20.00
20	16QAM	100	0	18.20	18.26	18.37	18.25	18.16	20.00
20	64QAM	1	0	18.13	18.11	18.29	18.20	18.08	20.00
20	64QAM	1	49	18.18	18.11	18.28	18.18	18.14	20.00
20	64QAM	1	99	18.24	18.18	18.32	18.17	18.12	20.00
20	64QAM	50	0	18.21	18.22	18.35	18.28	18.23	20.00
20	64QAM	50	24	18.24	18.16	18.32	18.25	18.17	20.00
20	64QAM	50	50	18.11	18.17	18.23	18.06	18.07	20.00
20	64QAM	100	0	18.18	18.10	18.25	18.15	18.05	20.00
20	256QAM	1	0	18.22	18.12	18.32	18.29	18.12	20.00
20	256QAM	1	49	18.27	18.08	18.29	18.19	18.07	20.00
20	256QAM	1	99	18.27	18.12	18.36	18.25	18.10	20.00
20	256QAM	50	0	18.20	18.07	18.29	18.23	18.12	20.00
20	256QAM	50	24	18.35	18.23	18.38	18.27	18.16	20.00
20	256QAM	50	50	18.28	18.13	18.37	18.31	18.09	20.00
20	256QAM	100	0	18.25	18.23	18.40	18.31	18.17	20.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.31	18.29	18.45	18.36	18.35	20.00
15	QPSK	1	37	18.08	18.09	18.24	18.16	18.05	20.00
15	QPSK	1	74	18.04	18.06	18.10	18.00	18.00	20.00
15	QPSK	36	0	18.32	18.24	18.32	18.31	18.18	20.00
15	QPSK	36	20	18.04	18.00	18.16	18.04	18.11	20.00
15	QPSK	36	39	18.08	18.24	18.29	18.19	18.10	20.00
15	QPSK	75	0	18.27	18.24	18.31	18.21	18.19	20.00
15	16QAM	1	0	18.16	18.09	18.22	18.17	18.14	20.00
15	16QAM	1	37	18.10	18.09	18.15	18.00	18.04	20.00



FCC SAR Test Report

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15	16QAM	1	74	18.00	18.02	18.18	18.02	18.05	20.00
15	16QAM	36	0	18.00	18.00	18.19	18.00	18.01	20.00
15	16QAM	36	20	18.03	18.20	18.24	18.04	18.03	20.00
15	16QAM	36	39	18.07	18.14	18.17	18.10	18.08	20.00
15	16QAM	75	0	18.10	18.21	18.25	18.10	18.03	20.00
15	64QAM	1	0	18.04	18.10	18.15	18.09	18.00	20.00
15	64QAM	1	37	18.08	18.02	18.23	18.15	18.09	20.00
15	64QAM	1	74	18.13	18.05	18.19	18.08	18.08	20.00
15	64QAM	36	0	18.11	18.19	18.32	18.23	18.20	20.00
15	64QAM	36	20	18.17	18.08	18.24	18.15	18.10	20.00
15	64QAM	36	39	18.09	18.03	18.18	18.03	18.00	20.00
15	64QAM	75	0	18.07	18.01	18.16	18.11	18.01	20.00
15	256QAM	1	0	18.12	18.09	18.22	18.19	18.04	20.00
15	256QAM	1	37	18.25	18.07	18.21	18.11	18.01	20.00
15	256QAM	1	74	18.17	18.00	18.23	18.12	18.00	20.00
15	256QAM	36	0	18.16	18.00	18.21	18.20	18.00	20.00
15	256QAM	36	20	18.26	18.08	18.37	18.14	18.11	20.00
15	256QAM	36	39	18.27	18.06	18.35	18.27	18.01	20.00
15	256QAM	75	0	18.13	18.08	18.38	18.29	18.09	20.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.41	18.39	18.45	18.38	18.34	20.00
10	QPSK	1	25	18.09	18.09	18.18	18.11	18.01	20.00
10	QPSK	1	49	18.06	18.04	18.18	18.00	18.00	20.00
10	QPSK	25	0	18.26	18.32	18.33	18.31	18.19	20.00
10	QPSK	25	12	18.04	18.12	18.15	18.00	18.07	20.00
10	QPSK	25	25	18.13	18.21	18.21	18.20	18.13	20.00
10	QPSK	50	0	18.23	18.23	18.33	18.21	18.14	20.00
10	16QAM	1	0	18.11	18.16	18.35	18.17	18.02	20.00
10	16QAM	1	25	18.03	18.05	18.16	18.04	18.10	20.00
10	16QAM	1	49	18.03	18.09	18.19	18.06	18.01	20.00
10	16QAM	25	0	18.02	18.10	18.13	18.01	18.00	20.00
10	16QAM	25	12	18.09	18.18	18.19	18.02	18.09	20.00
10	16QAM	25	25	18.07	18.14	18.20	18.07	18.02	20.00
10	16QAM	50	0	18.16	18.21	18.28	18.12	18.13	20.00
10	64QAM	1	0	18.08	18.10	18.26	18.06	18.00	20.00
10	64QAM	1	25	18.09	18.01	18.27	18.08	18.11	20.00
10	64QAM	1	49	18.19	18.10	18.25	18.05	18.07	20.00
10	64QAM	25	0	18.14	18.14	18.29	18.20	18.22	20.00
10	64QAM	25	12	18.11	18.05	18.31	18.20	18.14	20.00
10	64QAM	25	25	18.01	18.04	18.18	18.00	18.00	20.00
10	64QAM	50	0	18.13	18.05	18.18	18.10	18.01	20.00
10	256QAM	1	0	18.20	18.11	18.27	18.16	18.04	20.00
10	256QAM	1	25	18.25	18.02	18.20	18.09	18.00	20.00
10	256QAM	1	49	18.14	18.00	18.34	18.11	18.00	20.00
10	256QAM	25	0	18.12	18.00	18.23	18.15	18.00	20.00
10	256QAM	25	12	18.21	18.20	18.36	18.16	18.13	20.00
10	256QAM	25	25	18.17	18.01	18.33	18.27	18.00	20.00
10	256QAM	50	0	18.14	18.12	18.38	18.23	18.07	20.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	18.39	18.35	18.41	18.39	18.28	20.00
5	QPSK	1	12	18.00	18.12	18.25	18.12	18.03	20.00
5	QPSK	1	24	18.06	18.07	18.20	18.01	18.00	20.00
5	QPSK	12	0	18.20	18.34	18.29	18.31	18.17	20.00
5	QPSK	12	7	18.04	18.08	18.24	18.00	18.10	20.00
5	QPSK	12	13	18.09	18.15	18.32	18.10	18.05	20.00
5	QPSK	25	0	18.21	18.23	18.33	18.16	18.15	20.00
5	16QAM	1	0	18.11	18.15	18.26	18.18	18.05	20.00
5	16QAM	1	12	18.01	18.10	18.24	18.02	18.08	20.00
5	16QAM	1	24	18.01	18.01	18.18	18.02	18.01	20.00
5	16QAM	12	0	18.01	18.06	18.11	18.01	18.00	20.00
5	16QAM	12	7	18.11	18.23	18.31	18.02	18.05	20.00
5	16QAM	12	13	18.01	18.04	18.23	18.09	18.09	20.00
5	16QAM	25	0	18.11	18.12	18.28	18.14	18.07	20.00
5	64QAM	1	0	18.06	18.00	18.27	18.14	18.00	20.00
5	64QAM	1	12	18.16	18.00	18.21	18.10	18.09	20.00
5	64QAM	1	24	18.11	18.16	18.21	18.12	18.01	20.00
5	64QAM	12	0	18.17	18.19	18.33	18.23	18.14	20.00
5	64QAM	12	7	18.13	18.02	18.23	18.22	18.12	20.00
5	64QAM	12	13	18.05	18.13	18.18	18.00	18.01	20.00
5	64QAM	25	0	18.12	18.04	18.20	18.01	18.02	20.00
5	256QAM	1	0	18.08	18.05	18.18	18.17	18.03	20.00
5	256QAM	1	12	18.20	18.01	18.14	18.04	18.01	20.00
5	256QAM	1	24	18.21	18.04	18.32	18.13	18.06	20.00
5	256QAM	12	0	18.15	18.03	18.27	18.15	18.05	20.00



5	256QAM	12	7	18.21	18.20	18.32	18.15	18.11	20.00
5	256QAM	12	13	18.27	18.07	18.30	18.28	18.01	20.00
5	256QAM	25	0	18.14	18.21	18.27	18.30	18.02	20.00

【LTE Band 41__FCC (2496~2690MHz)_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	20.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.42	18.44	18.56	18.42	18.39	20.00
20	QPSK	1	49	18.12	18.18	18.29	18.20	18.09	20.00
20	QPSK	1	99	18.08	18.10	18.24	18.08	18.03	20.00
20	QPSK	50	0	18.34	18.37	18.41	18.36	18.31	20.00
20	QPSK	50	24	18.15	18.14	18.26	18.07	18.17	20.00
20	QPSK	50	50	18.17	18.28	18.33	18.24	18.19	20.00
20	QPSK	100	0	18.31	18.33	18.36	18.29	18.24	20.00
20	16QAM	1	0	18.23	18.22	18.36	18.29	18.16	20.00
20	16QAM	1	49	18.12	18.16	18.26	18.11	18.15	20.00
20	16QAM	1	99	18.07	18.13	18.23	18.13	18.07	20.00
20	16QAM	50	0	18.03	18.14	18.23	18.15	18.02	20.00
20	16QAM	50	24	18.14	18.30	18.34	18.16	18.13	20.00
20	16QAM	50	50	18.11	18.19	18.29	18.21	18.12	20.00
20	16QAM	100	0	18.20	18.26	18.37	18.25	18.16	20.00
20	64QAM	1	0	18.13	18.11	18.29	18.20	18.08	20.00
20	64QAM	1	49	18.18	18.11	18.28	18.18	18.14	20.00
20	64QAM	1	99	18.24	18.18	18.32	18.17	18.12	20.00
20	64QAM	50	0	18.21	18.22	18.35	18.28	18.23	20.00
20	64QAM	50	24	18.24	18.16	18.32	18.25	18.17	20.00
20	64QAM	50	50	18.11	18.17	18.23	18.06	18.07	20.00
20	64QAM	100	0	18.18	18.10	18.25	18.15	18.05	20.00
20	256QAM	1	0	18.22	18.12	18.32	18.29	18.12	20.00
20	256QAM	1	49	18.27	18.08	18.29	18.19	18.07	20.00
20	256QAM	1	99	18.27	18.12	18.36	18.25	18.10	20.00
20	256QAM	50	0	18.20	18.07	18.29	18.23	18.12	20.00
20	256QAM	50	24	18.35	18.23	18.38	18.27	18.16	20.00
20	256QAM	50	50	18.28	18.13	18.37	18.31	18.09	20.00
20	256QAM	100	0	18.25	18.23	18.40	18.31	18.17	20.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.31	18.29	18.45	18.36	18.35	20.00
15	QPSK	1	37	18.08	18.09	18.24	18.16	18.05	20.00
15	QPSK	1	74	18.04	18.06	18.10	18.00	18.00	20.00
15	QPSK	36	0	18.32	18.24	18.32	18.31	18.18	20.00
15	QPSK	36	20	18.04	18.00	18.16	18.04	18.11	20.00
15	QPSK	36	39	18.08	18.24	18.29	18.19	18.10	20.00
15	QPSK	75	0	18.27	18.24	18.31	18.21	18.19	20.00
15	16QAM	1	0	18.16	18.09	18.22	18.17	18.14	20.00
15	16QAM	1	37	18.10	18.09	18.15	18.00	18.04	20.00
15	16QAM	1	74	18.00	18.02	18.18	18.02	18.05	20.00
15	16QAM	36	0	18.00	18.00	18.19	18.00	18.01	20.00
15	16QAM	36	20	18.03	18.20	18.24	18.04	18.03	20.00
15	16QAM	36	39	18.07	18.14	18.17	18.10	18.08	20.00
15	16QAM	75	0	18.10	18.21	18.25	18.10	18.03	20.00
15	64QAM	1	0	18.04	18.10	18.15	18.09	18.00	20.00
15	64QAM	1	37	18.08	18.02	18.23	18.15	18.09	20.00
15	64QAM	1	74	18.13	18.05	18.19	18.08	18.08	20.00
15	64QAM	36	0	18.11	18.19	18.32	18.23	18.20	20.00
15	64QAM	36	20	18.17	18.08	18.24	18.15	18.10	20.00
15	64QAM	36	39	18.09	18.03	18.18	18.03	18.00	20.00
15	64QAM	75	0	18.07	18.01	18.16	18.11	18.01	20.00
15	256QAM	1	0	18.12	18.09	18.22	18.19	18.04	20.00
15	256QAM	1	37	18.25	18.07	18.21	18.11	18.01	20.00
15	256QAM	1	74	18.17	18.00	18.23	18.12	18.00	20.00
15	256QAM	36	0	18.16	18.00	18.21	18.20	18.00	20.00
15	256QAM	36	20	18.26	18.08	18.37	18.14	18.11	20.00
15	256QAM	36	39	18.27	18.06	18.35	18.27	18.01	20.00
15	256QAM	75	0	18.13	18.08	18.38	18.29	18.09	20.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.41	18.39	18.45	18.38	18.34	20.00
10	QPSK	1	25	18.09	18.09	18.18	18.11	18.01	20.00



10	QPSK	1	49	18.06	18.04	18.18	18.00	18.00	20.00
10	QPSK	25	0	18.26	18.32	18.33	18.31	18.19	20.00
10	QPSK	25	12	18.04	18.12	18.15	18.00	18.07	20.00
10	QPSK	25	25	18.13	18.21	18.21	18.20	18.13	20.00
10	QPSK	50	0	18.23	18.23	18.33	18.21	18.14	20.00
10	16QAM	1	0	18.11	18.16	18.35	18.17	18.02	20.00
10	16QAM	1	25	18.03	18.05	18.16	18.04	18.10	20.00
10	16QAM	1	49	18.03	18.09	18.19	18.06	18.01	20.00
10	16QAM	25	0	18.02	18.10	18.13	18.01	18.00	20.00
10	16QAM	25	12	18.09	18.18	18.19	18.02	18.09	20.00
10	16QAM	25	25	18.07	18.14	18.20	18.07	18.02	20.00
10	16QAM	50	0	18.16	18.21	18.28	18.12	18.13	20.00
10	64QAM	1	0	18.08	18.10	18.26	18.06	18.00	20.00
10	64QAM	1	25	18.09	18.01	18.27	18.08	18.11	20.00
10	64QAM	1	49	18.19	18.10	18.25	18.05	18.07	20.00
10	64QAM	25	0	18.14	18.14	18.29	18.20	18.22	20.00
10	64QAM	25	12	18.11	18.05	18.31	18.20	18.14	20.00
10	64QAM	25	25	18.01	18.04	18.18	18.00	18.00	20.00
10	64QAM	50	0	18.13	18.05	18.18	18.10	18.01	20.00
10	256QAM	1	0	18.20	18.11	18.27	18.16	18.04	20.00
10	256QAM	1	25	18.25	18.02	18.20	18.09	18.00	20.00
10	256QAM	1	49	18.14	18.00	18.34	18.11	18.00	20.00
10	256QAM	25	0	18.12	18.00	18.23	18.15	18.00	20.00
10	256QAM	25	12	18.21	18.20	18.36	18.16	18.13	20.00
10	256QAM	25	25	18.17	18.01	18.33	18.27	18.00	20.00
10	256QAM	50	0	18.14	18.12	18.38	18.23	18.07	20.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	18.39	18.35	18.41	18.39	18.28	20.00
5	QPSK	1	12	18.00	18.12	18.25	18.12	18.03	20.00
5	QPSK	1	24	18.06	18.07	18.20	18.01	18.00	20.00
5	QPSK	12	0	18.20	18.34	18.29	18.31	18.17	20.00
5	QPSK	12	7	18.04	18.08	18.24	18.00	18.10	20.00
5	QPSK	12	13	18.09	18.15	18.32	18.10	18.05	20.00
5	QPSK	25	0	18.21	18.23	18.33	18.16	18.15	20.00
5	16QAM	1	0	18.11	18.15	18.26	18.18	18.05	20.00
5	16QAM	1	12	18.01	18.10	18.24	18.02	18.08	20.00
5	16QAM	1	24	18.01	18.01	18.18	18.02	18.01	20.00
5	16QAM	12	0	18.01	18.06	18.11	18.01	18.00	20.00
5	16QAM	12	7	18.11	18.23	18.31	18.02	18.05	20.00
5	16QAM	12	13	18.01	18.04	18.23	18.09	18.09	20.00
5	16QAM	25	0	18.11	18.12	18.28	18.14	18.07	20.00
5	64QAM	1	0	18.06	18.00	18.27	18.14	18.00	20.00
5	64QAM	1	12	18.16	18.00	18.21	18.10	18.09	20.00
5	64QAM	1	24	18.11	18.16	18.21	18.12	18.01	20.00
5	64QAM	12	0	18.17	18.19	18.33	18.23	18.14	20.00
5	64QAM	12	7	18.13	18.02	18.23	18.22	18.12	20.00
5	64QAM	12	13	18.05	18.13	18.18	18.00	18.01	20.00
5	64QAM	25	0	18.12	18.04	18.20	18.01	18.02	20.00
5	256QAM	1	0	18.08	18.05	18.18	18.17	18.03	20.00
5	256QAM	1	12	18.20	18.01	18.14	18.04	18.01	20.00
5	256QAM	1	24	18.21	18.04	18.32	18.13	18.06	20.00
5	256QAM	12	0	18.15	18.03	18.27	18.15	18.05	20.00
5	256QAM	12	7	18.21	18.20	18.32	18.15	18.11	20.00
5	256QAM	12	13	18.27	18.07	18.30	18.28	18.01	20.00
5	256QAM	25	0	18.14	18.21	18.27	18.30	18.02	20.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 1_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.94	22.95	23.09	23.08	23.08	24.00
20	QPSK	1	49	22.85	22.80	23.02	22.89	22.96	24.00
20	QPSK	1	99	22.73	22.78	23.01	22.93	22.97	24.00
20	QPSK	50	0	21.79	21.82	22.08	21.96	21.95	23.00
20	QPSK	50	24	21.78	21.78	22.04	22.01	21.91	23.00
20	QPSK	50	50	21.88	21.84	22.06	22.04	22.04	23.00
20	QPSK	100	0	21.82	21.81	22.08	21.98	21.95	23.00
20	16QAM	1	0	21.94	21.90	22.14	22.07	22.03	23.00
20	16QAM	1	49	21.76	21.77	22.04	21.91	21.92	23.00



FCC SAR Test Report

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20	16QAM	1	99	21.89	21.91	22.06	21.90	22.01	23.00
20	16QAM	50	0	20.82	20.86	21.05	20.97	20.96	22.00
20	16QAM	50	24	20.90	20.93	21.10	21.03	21.07	22.00
20	16QAM	50	50	20.80	20.84	21.08	21.00	20.99	22.00
20	16QAM	100	0	20.87	20.87	21.08	20.95	20.96	22.00
20	64QAM	1	0	20.87	20.93	21.08	21.01	20.97	22.00
20	64QAM	1	49	20.72	20.78	20.99	20.94	20.96	22.00
20	64QAM	1	99	20.70	20.70	20.90	20.83	20.81	22.00
20	64QAM	50	0	19.82	19.86	20.05	19.94	19.91	21.00
20	64QAM	50	24	19.88	19.86	20.09	19.98	20.01	21.00
20	64QAM	50	50	19.89	19.90	20.06	19.93	20.01	21.00
20	64QAM	100	0	19.88	19.90	20.09	19.99	19.93	21.00
20	256QAM	1	0	17.86	17.93	18.10	18.04	18.02	19.00
20	256QAM	1	49	17.87	17.88	18.02	17.87	17.97	19.00
20	256QAM	1	99	17.80	17.83	18.07	17.98	18.00	19.00
20	256QAM	50	0	17.90	17.88	18.06	17.93	17.91	19.00
20	256QAM	50	24	17.89	17.89	18.13	18.03	18.04	19.00
20	256QAM	50	50	17.85	17.86	18.06	17.94	17.94	19.00
20	256QAM	100	0	17.86	17.95	18.11	18.05	18.02	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.88	22.82	23.06	23.06	22.97	24.00
15	QPSK	1	37	22.79	22.77	22.93	22.86	22.85	24.00
15	QPSK	1	74	22.69	22.76	22.94	22.87	22.95	24.00
15	QPSK	36	0	21.77	21.81	22.03	21.85	21.90	23.00
15	QPSK	36	20	21.75	21.69	21.92	22.00	21.87	23.00
15	QPSK	36	39	21.80	21.79	22.02	21.90	22.03	23.00
15	QPSK	75	0	21.80	21.76	21.96	21.89	21.93	23.00
15	16QAM	1	0	21.93	21.88	22.02	21.97	21.93	23.00
15	16QAM	1	37	21.73	21.62	21.99	21.81	21.88	23.00
15	16QAM	1	74	21.82	21.88	22.02	21.79	21.94	23.00
15	16QAM	36	0	20.77	20.71	20.96	20.96	20.85	22.00
15	16QAM	36	20	20.83	20.87	21.06	20.94	21.05	22.00
15	16QAM	36	39	20.66	20.70	21.02	20.93	20.91	22.00
15	16QAM	75	0	20.79	20.85	21.01	20.92	20.84	22.00
15	64QAM	1	0	20.79	20.81	21.05	20.97	20.87	22.00
15	64QAM	1	37	20.70	20.77	20.88	20.92	20.93	22.00
15	64QAM	1	74	20.63	20.66	20.88	20.78	20.78	22.00
15	64QAM	36	0	19.67	19.79	19.92	19.81	19.79	21.00
15	64QAM	36	20	19.79	19.79	20.08	19.94	19.96	21.00
15	64QAM	36	39	19.82	19.85	20.01	19.82	19.97	21.00
15	64QAM	75	0	19.76	19.82	20.00	19.88	19.84	21.00
15	256QAM	1	0	17.82	17.84	17.99	17.90	17.87	19.00
15	256QAM	1	37	17.82	17.79	17.99	17.73	17.89	19.00
15	256QAM	1	74	17.78	17.80	17.97	17.83	17.93	19.00
15	256QAM	36	0	17.89	17.76	17.93	17.84	17.90	19.00
15	256QAM	36	20	17.77	17.74	17.99	18.01	17.96	19.00
15	256QAM	36	39	17.76	17.74	18.05	17.81	17.86	19.00
15	256QAM	75	0	17.75	17.83	17.98	17.92	17.91	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.84	22.88	22.96	22.96	23.04	24.00
10	QPSK	1	25	22.75	22.77	22.99	22.83	22.90	24.00
10	QPSK	1	49	22.60	22.73	22.87	22.83	22.90	24.00
10	QPSK	25	0	21.75	21.70	22.00	21.85	21.90	23.00
10	QPSK	25	12	21.68	21.76	21.90	21.90	21.81	23.00
10	QPSK	25	25	21.78	21.77	21.93	21.91	21.95	23.00
10	QPSK	50	0	21.79	21.79	21.94	21.90	21.89	23.00
10	16QAM	1	0	21.79	21.85	22.03	22.06	22.00	23.00
10	16QAM	1	25	21.74	21.75	21.92	21.78	21.89	23.00
10	16QAM	1	49	21.77	21.89	21.91	21.86	21.87	23.00
10	16QAM	25	0	20.69	20.71	20.97	20.85	20.81	22.00
10	16QAM	25	12	20.78	20.91	21.08	21.00	21.05	22.00
10	16QAM	25	25	20.74	20.82	21.06	20.93	20.88	22.00
10	16QAM	50	0	20.81	20.79	21.06	20.91	20.90	22.00
10	64QAM	1	0	20.83	20.85	20.96	20.87	20.96	22.00
10	64QAM	1	25	20.68	20.75	20.89	20.90	20.90	22.00
10	64QAM	1	49	20.55	20.65	20.89	20.77	20.78	22.00
10	64QAM	25	0	19.77	19.73	19.99	19.85	19.83	21.00
10	64QAM	25	12	19.78	19.82	20.01	19.84	19.95	21.00
10	64QAM	25	25	19.86	19.84	19.92	19.86	19.94	21.00
10	64QAM	50	0	19.84	19.76	20.01	19.87	19.89	21.00
10	256QAM	1	0	17.72	17.90	17.96	17.94	17.88	19.00
10	256QAM	1	25	17.77	17.87	17.97	17.83	17.95	19.00
10	256QAM	1	49	17.78	17.71	17.96	17.90	17.98	19.00
10	256QAM	25	0	17.87	17.77	17.91	17.91	17.79	19.00



10	256QAM	25	12	17.76	17.86	18.00	17.90	17.96	19.00
10	256QAM	25	25	17.83	17.75	18.01	17.86	17.80	19.00
10	256QAM	50	0	17.83	17.80	18.09	17.93	17.95	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.87	22.87	23.08	22.96	23.01	24.00
5	QPSK	1	12	22.78	22.79	22.92	22.75	22.86	24.00
5	QPSK	1	24	22.64	22.74	22.87	22.89	22.94	24.00
5	QPSK	12	0	21.68	21.75	22.00	21.92	21.82	23.00
5	QPSK	12	7	21.77	21.64	21.90	21.97	21.82	23.00
5	QPSK	12	13	21.81	21.79	21.94	22.02	21.93	23.00
5	QPSK	25	0	21.72	21.77	22.03	21.91	21.83	23.00
5	16QAM	1	0	21.88	21.84	22.01	21.97	21.99	23.00
5	16QAM	1	12	21.64	21.63	21.97	21.86	21.80	23.00
5	16QAM	1	24	21.80	21.79	21.95	21.87	21.89	23.00
5	16QAM	12	0	20.72	20.81	20.93	20.83	20.87	22.00
5	16QAM	12	7	20.78	20.84	21.05	20.90	20.97	22.00
5	16QAM	12	13	20.68	20.70	20.97	20.91	20.97	22.00
5	16QAM	25	0	20.85	20.74	21.03	20.83	20.84	22.00
5	64QAM	1	0	20.81	20.85	21.06	20.96	20.93	22.00
5	64QAM	1	12	20.63	20.77	20.88	20.89	20.93	22.00
5	64QAM	1	24	20.68	20.59	20.87	20.74	20.69	22.00
5	64QAM	12	0	19.70	19.79	20.04	19.89	19.82	21.00
5	64QAM	12	7	19.82	19.81	19.97	19.95	19.95	21.00
5	64QAM	12	13	19.86	19.77	20.02	19.92	19.95	21.00
5	64QAM	25	0	19.79	19.80	20.03	19.95	19.92	21.00
5	256QAM	1	0	17.73	17.85	18.00	18.00	17.91	19.00
5	256QAM	1	12	17.83	17.80	17.99	17.74	17.91	19.00
5	256QAM	1	24	17.73	17.70	17.97	17.85	17.88	19.00
5	256QAM	12	0	17.89	17.74	17.91	17.82	17.81	19.00
5	256QAM	12	7	17.80	17.85	17.99	17.90	18.03	19.00
5	256QAM	12	13	17.82	17.79	18.01	17.83	17.88	19.00
5	256QAM	25	0	17.78	17.80	18.04	17.97	17.96	19.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.94	22.95	23.09	23.08	23.08	24.00
20	QPSK	1	49	22.85	22.80	23.02	22.89	22.96	24.00
20	QPSK	1	99	22.73	22.78	23.01	22.93	22.97	24.00
20	QPSK	50	0	21.79	21.82	22.08	21.96	21.95	23.00
20	QPSK	50	24	21.78	21.78	22.04	22.01	21.91	23.00
20	QPSK	50	50	21.88	21.84	22.06	22.04	22.04	23.00
20	QPSK	100	0	21.82	21.81	22.08	21.98	21.95	23.00
20	16QAM	1	0	21.94	21.90	22.14	22.07	22.03	23.00
20	16QAM	1	49	21.76	21.77	22.04	21.91	21.92	23.00
20	16QAM	1	99	21.89	21.91	22.06	21.90	22.01	23.00
20	16QAM	50	0	20.82	20.86	21.05	20.97	20.96	22.00
20	16QAM	50	24	20.90	20.93	21.10	21.03	21.07	22.00
20	16QAM	50	50	20.80	20.84	21.08	21.00	20.99	22.00
20	16QAM	100	0	20.87	20.87	21.08	20.95	20.96	22.00
20	64QAM	1	0	20.87	20.93	21.08	21.01	20.97	22.00
20	64QAM	1	49	20.72	20.78	20.99	20.94	20.96	22.00
20	64QAM	1	99	20.70	20.70	20.90	20.83	20.81	22.00
20	64QAM	50	0	19.82	19.86	20.05	19.94	19.91	21.00
20	64QAM	50	24	19.88	19.86	20.09	19.98	20.01	21.00
20	64QAM	50	50	19.89	19.90	20.06	19.93	20.01	21.00
20	64QAM	100	0	19.88	19.90	20.09	19.99	19.93	21.00
20	256QAM	1	0	17.86	17.93	18.10	18.04	18.02	19.00
20	256QAM	1	49	17.87	17.88	18.02	17.87	17.97	19.00
20	256QAM	1	99	17.80	17.83	18.07	17.98	18.00	19.00
20	256QAM	50	0	17.90	17.88	18.06	17.93	17.91	19.00
20	256QAM	50	24	17.89	17.89	18.13	18.03	18.04	19.00
20	256QAM	50	50	17.85	17.86	18.06	17.94	17.94	19.00
20	256QAM	100	0	17.86	17.95	18.11	18.05	18.02	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.88	22.82	23.06	23.06	22.97	24.00
15	QPSK	1	37	22.79	22.77	22.93	22.86	22.85	24.00



15	QPSK	1	74	22.69	22.76	22.94	22.87	22.95	24.00
15	QPSK	36	0	21.77	21.81	22.03	21.85	21.90	23.00
15	QPSK	36	20	21.75	21.69	21.92	22.00	21.87	23.00
15	QPSK	36	39	21.80	21.79	22.02	21.90	22.03	23.00
15	QPSK	75	0	21.80	21.76	21.96	21.89	21.93	23.00
15	16QAM	1	0	21.93	21.88	22.02	21.97	21.93	23.00
15	16QAM	1	37	21.73	21.62	21.99	21.81	21.88	23.00
15	16QAM	1	74	21.82	21.88	22.02	21.79	21.94	23.00
15	16QAM	36	0	20.77	20.71	20.96	20.96	20.85	22.00
15	16QAM	36	20	20.83	20.87	21.06	20.94	21.05	22.00
15	16QAM	36	39	20.66	20.70	21.02	20.93	20.91	22.00
15	16QAM	75	0	20.79	20.85	21.01	20.92	20.84	22.00
15	64QAM	1	0	20.79	20.81	21.05	20.97	20.87	22.00
15	64QAM	1	37	20.70	20.77	20.88	20.92	20.93	22.00
15	64QAM	1	74	20.63	20.66	20.88	20.78	20.78	22.00
15	64QAM	36	0	19.67	19.79	19.92	19.81	19.79	21.00
15	64QAM	36	20	19.79	19.79	20.08	19.94	19.96	21.00
15	64QAM	36	39	19.82	19.85	20.01	19.82	19.97	21.00
15	64QAM	75	0	19.76	19.82	20.00	19.88	19.84	21.00
15	256QAM	1	0	17.82	17.84	17.99	17.90	17.87	19.00
15	256QAM	1	37	17.82	17.79	17.99	17.73	17.89	19.00
15	256QAM	1	74	17.78	17.80	17.97	17.83	17.93	19.00
15	256QAM	36	0	17.89	17.76	17.93	17.84	17.90	19.00
15	256QAM	36	20	17.77	17.74	17.99	18.01	17.96	19.00
15	256QAM	36	39	17.76	17.74	18.05	17.81	17.86	19.00
15	256QAM	75	0	17.75	17.83	17.98	17.92	17.91	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.84	22.88	22.96	22.96	23.04	24.00
10	QPSK	1	25	22.75	22.77	22.99	22.83	22.90	24.00
10	QPSK	1	49	22.60	22.73	22.87	22.83	22.90	24.00
10	QPSK	25	0	21.75	21.70	22.00	21.85	21.90	23.00
10	QPSK	25	12	21.68	21.76	21.90	21.90	21.81	23.00
10	QPSK	25	25	21.78	21.77	21.93	21.91	21.95	23.00
10	QPSK	50	0	21.79	21.79	21.94	21.90	21.89	23.00
10	16QAM	1	0	21.79	21.85	22.03	22.06	22.00	23.00
10	16QAM	1	25	21.74	21.75	21.92	21.78	21.89	23.00
10	16QAM	1	49	21.77	21.89	21.91	21.86	21.87	23.00
10	16QAM	25	0	20.69	20.71	20.97	20.85	20.81	22.00
10	16QAM	25	12	20.78	20.91	21.08	21.00	21.05	22.00
10	16QAM	25	25	20.74	20.82	21.06	20.93	20.88	22.00
10	16QAM	50	0	20.81	20.79	21.06	20.91	20.90	22.00
10	64QAM	1	0	20.83	20.85	20.96	20.87	20.96	22.00
10	64QAM	1	25	20.68	20.75	20.89	20.90	20.90	22.00
10	64QAM	1	49	20.55	20.65	20.89	20.77	20.78	22.00
10	64QAM	25	0	19.77	19.73	19.99	19.85	19.83	21.00
10	64QAM	25	12	19.78	19.82	20.01	19.84	19.95	21.00
10	64QAM	25	25	19.86	19.84	19.92	19.86	19.94	21.00
10	64QAM	50	0	19.84	19.76	20.01	19.87	19.89	21.00
10	256QAM	1	0	17.72	17.90	17.96	17.94	17.88	19.00
10	256QAM	1	25	17.77	17.87	17.97	17.83	17.95	19.00
10	256QAM	1	49	17.78	17.71	17.96	17.90	17.98	19.00
10	256QAM	25	0	17.87	17.77	17.91	17.91	17.79	19.00
10	256QAM	25	12	17.76	17.86	18.00	17.90	17.96	19.00
10	256QAM	25	25	17.83	17.75	18.01	17.86	17.80	19.00
10	256QAM	50	0	17.83	17.80	18.09	17.93	17.95	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.87	22.87	23.08	22.96	23.01	24.00
5	QPSK	1	12	22.78	22.79	22.92	22.75	22.86	24.00
5	QPSK	1	24	22.64	22.74	22.87	22.89	22.94	24.00
5	QPSK	12	0	21.68	21.75	22.00	21.92	21.82	23.00
5	QPSK	12	7	21.77	21.64	21.90	21.97	21.82	23.00
5	QPSK	12	13	21.81	21.79	21.94	22.02	21.93	23.00
5	QPSK	25	0	21.72	21.77	22.03	21.91	21.83	23.00
5	16QAM	1	0	21.88	21.84	22.01	21.97	21.99	23.00
5	16QAM	1	12	21.64	21.63	21.97	21.86	21.80	23.00
5	16QAM	1	24	21.80	21.79	21.95	21.87	21.89	23.00
5	16QAM	12	0	20.72	20.81	20.93	20.83	20.87	22.00
5	16QAM	12	7	20.78	20.84	21.05	20.90	20.97	22.00
5	16QAM	12	13	20.68	20.70	20.97	20.91	20.97	22.00
5	16QAM	25	0	20.85	20.74	21.03	20.83	20.84	22.00
5	64QAM	1	0	20.81	20.85	21.06	20.96	20.93	22.00
5	64QAM	1	12	20.63	20.77	20.88	20.89	20.93	22.00
5	64QAM	1	24	20.68	20.59	20.87	20.74	20.69	22.00
5	64QAM	12	0	19.70	19.79	20.04	19.89	19.82	21.00



5	64QAM	12	7	19.82	19.81	19.97	19.95	19.95	21.00
5	64QAM	12	13	19.86	19.77	20.02	19.92	19.95	21.00
5	64QAM	25	0	19.79	19.80	20.03	19.95	19.92	21.00
5	256QAM	1	0	17.73	17.85	18.00	18.00	17.91	19.00
5	256QAM	1	12	17.83	17.80	17.99	17.74	17.91	19.00
5	256QAM	1	24	17.73	17.70	17.97	17.85	17.88	19.00
5	256QAM	12	0	17.89	17.74	17.91	17.82	17.81	19.00
5	256QAM	12	7	17.80	17.85	17.99	17.90	18.03	19.00
5	256QAM	12	13	17.82	17.79	18.01	17.83	17.88	19.00
5	256QAM	25	0	17.78	17.80	18.04	17.97	17.96	19.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 1_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	17.92	17.97	18.07	17.93	17.99	19.00
20	QPSK	1	49	17.83	17.82	18.05	17.84	17.86	19.00
20	QPSK	1	99	17.73	17.89	18.01	17.81	17.87	19.00
20	QPSK	50	0	17.85	17.86	18.03	17.78	17.82	19.00
20	QPSK	50	24	17.80	17.88	18.00	17.81	17.87	19.00
20	QPSK	50	50	17.71	17.78	17.99	17.77	17.81	19.00
20	QPSK	100	0	17.76	17.68	17.92	17.69	17.71	19.00
20	16QAM	1	0	17.73	17.76	17.95	17.78	17.72	19.00
20	16QAM	1	49	17.80	17.74	17.98	17.69	17.80	19.00
20	16QAM	1	99	17.79	17.81	17.96	17.73	17.84	19.00
20	16QAM	50	0	17.68	17.72	17.94	17.73	17.84	19.00
20	16QAM	50	24	17.79	17.74	17.97	17.78	17.80	19.00
20	16QAM	50	50	17.70	17.76	17.92	17.68	17.77	19.00
20	16QAM	100	0	17.79	17.84	17.99	17.75	17.85	19.00
20	64QAM	1	0	17.61	17.70	17.89	17.66	17.74	19.00
20	64QAM	1	49	17.65	17.70	17.85	17.68	17.70	19.00
20	64QAM	1	99	17.60	17.69	17.87	17.59	17.66	19.00
20	64QAM	50	0	17.76	17.71	17.93	17.76	17.83	19.00
20	64QAM	50	24	17.61	17.76	17.91	17.69	17.76	19.00
20	64QAM	50	50	17.60	17.71	17.89	17.64	17.74	19.00
20	64QAM	100	0	17.74	17.75	17.92	17.72	17.73	19.00
20	256QAM	1	0	17.64	17.73	17.85	17.65	17.68	19.00
20	256QAM	1	49	17.65	17.71	17.83	17.57	17.72	19.00
20	256QAM	1	99	17.71	17.76	17.87	17.64	17.69	19.00
20	256QAM	50	0	17.65	17.71	17.90	17.65	17.79	19.00
20	256QAM	50	24	17.68	17.73	17.86	17.61	17.64	19.00
20	256QAM	50	50	17.62	17.71	17.83	17.57	17.65	19.00
20	256QAM	100	0	17.60	17.63	17.85	17.70	17.67	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	17.84	17.92	18.06	17.85	17.93	19.00
15	QPSK	1	37	17.75	17.71	17.96	17.71	17.83	19.00
15	QPSK	1	74	17.63	17.78	17.92	17.79	17.79	19.00
15	QPSK	36	0	17.78	17.84	17.94	17.71	17.79	19.00
15	QPSK	36	20	17.71	17.81	17.94	17.66	17.78	19.00
15	QPSK	36	39	17.59	17.72	17.95	17.68	17.76	19.00
15	QPSK	75	0	17.67	17.59	17.90	17.61	17.67	19.00
15	16QAM	1	0	17.67	17.70	17.81	17.70	17.69	19.00
15	16QAM	1	37	17.70	17.62	17.95	17.67	17.78	19.00
15	16QAM	1	74	17.70	17.78	17.85	17.65	17.78	19.00
15	16QAM	36	0	17.66	17.67	17.82	17.59	17.79	19.00
15	16QAM	36	20	17.68	17.59	17.92	17.75	17.66	19.00
15	16QAM	36	39	17.62	17.71	17.88	17.61	17.73	19.00
15	16QAM	75	0	17.76	17.78	17.97	17.64	17.70	19.00
15	64QAM	1	0	17.46	17.58	17.84	17.51	17.65	19.00
15	64QAM	1	37	17.53	17.67	17.78	17.63	17.61	19.00
15	64QAM	1	74	17.45	17.68	17.80	17.50	17.55	19.00
15	64QAM	36	0	17.70	17.67	17.82	17.61	17.82	19.00
15	64QAM	36	20	17.56	17.71	17.87	17.58	17.62	19.00
15	64QAM	36	39	17.53	17.61	17.75	17.49	17.64	19.00
15	64QAM	75	0	17.62	17.67	17.86	17.68	17.65	19.00
15	256QAM	1	0	17.52	17.64	17.75	17.60	17.55	19.00
15	256QAM	1	37	17.50	17.58	17.69	17.53	17.61	19.00
15	256QAM	1	74	17.65	17.69	17.82	17.60	17.65	19.00
15	256QAM	36	0	17.55	17.60	17.82	17.56	17.70	19.00



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15	256QAM	36	20	17.57	17.68	17.81	17.52	17.59	19.00
15	256QAM	36	39	17.61	17.64	17.73	17.55	17.64	19.00
15	256QAM	75	0	17.58	17.61	17.74	17.67	17.63	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	17.80	17.92	18.01	17.79	17.89	19.00
10	QPSK	1	25	17.78	17.76	17.95	17.80	17.84	19.00
10	QPSK	1	49	17.65	17.76	17.93	17.72	17.78	19.00
10	QPSK	25	0	17.82	17.74	17.91	17.70	17.73	19.00
10	QPSK	25	12	17.75	17.83	17.94	17.75	17.84	19.00
10	QPSK	25	25	17.59	17.66	17.91	17.64	17.76	19.00
10	QPSK	50	0	17.72	17.56	17.89	17.55	17.57	19.00
10	16QAM	1	0	17.61	17.65	17.92	17.66	17.68	19.00
10	16QAM	1	25	17.65	17.60	17.96	17.63	17.69	19.00
10	16QAM	1	49	17.66	17.74	17.89	17.67	17.77	19.00
10	16QAM	25	0	17.63	17.65	17.84	17.65	17.81	19.00
10	16QAM	25	12	17.66	17.65	17.90	17.77	17.67	19.00
10	16QAM	25	25	17.67	17.64	17.78	17.56	17.72	19.00
10	16QAM	50	0	17.76	17.81	17.86	17.67	17.70	19.00
10	64QAM	1	0	17.57	17.64	17.79	17.57	17.67	19.00
10	64QAM	1	25	17.55	17.57	17.78	17.58	17.60	19.00
10	64QAM	1	49	17.49	17.66	17.76	17.56	17.56	19.00
10	64QAM	25	0	17.72	17.56	17.78	17.63	17.76	19.00
10	64QAM	25	12	17.48	17.71	17.88	17.56	17.74	19.00
10	64QAM	25	25	17.57	17.64	17.75	17.59	17.67	19.00
10	64QAM	50	0	17.64	17.65	17.79	17.62	17.70	19.00
10	256QAM	1	0	17.58	17.60	17.78	17.51	17.58	19.00
10	256QAM	1	25	17.62	17.58	17.73	17.52	17.70	19.00
10	256QAM	1	49	17.66	17.71	17.82	17.50	17.56	19.00
10	256QAM	25	0	17.56	17.60	17.79	17.52	17.70	19.00
10	256QAM	25	12	17.57	17.69	17.79	17.60	17.53	19.00
10	256QAM	25	25	17.59	17.67	17.77	17.47	17.62	19.00
10	256QAM	50	0	17.58	17.51	17.77	17.59	17.64	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	17.81	17.84	18.05	17.90	17.97	19.00
5	QPSK	1	12	17.68	17.77	17.92	17.76	17.81	19.00
5	QPSK	1	24	17.61	17.75	17.86	17.77	17.78	19.00
5	QPSK	12	0	17.76	17.73	17.93	17.74	17.79	19.00
5	QPSK	12	7	17.73	17.83	17.96	17.79	17.84	19.00
5	QPSK	12	13	17.68	17.66	17.89	17.64	17.77	19.00
5	QPSK	25	0	17.64	17.56	17.79	17.56	17.63	19.00
5	16QAM	1	0	17.69	17.70	17.81	17.64	17.66	19.00
5	16QAM	1	12	17.74	17.64	17.86	17.63	17.76	19.00
5	16QAM	1	24	17.72	17.70	17.93	17.60	17.70	19.00
5	16QAM	12	0	17.53	17.70	17.89	17.70	17.72	19.00
5	16QAM	12	7	17.75	17.65	17.93	17.70	17.66	19.00
5	16QAM	12	13	17.60	17.64	17.90	17.63	17.65	19.00
5	16QAM	25	0	17.67	17.71	17.97	17.64	17.70	19.00
5	64QAM	1	0	17.54	17.60	17.82	17.62	17.73	19.00
5	64QAM	1	12	17.60	17.68	17.78	17.62	17.62	19.00
5	64QAM	1	24	17.56	17.66	17.83	17.57	17.54	19.00
5	64QAM	12	0	17.64	17.66	17.89	17.72	17.73	19.00
5	64QAM	12	7	17.52	17.69	17.89	17.61	17.65	19.00
5	64QAM	12	13	17.55	17.70	17.81	17.59	17.70	19.00
5	64QAM	25	0	17.66	17.71	17.81	17.63	17.66	19.00
5	256QAM	1	0	17.59	17.60	17.77	17.55	17.56	19.00
5	256QAM	1	12	17.59	17.58	17.76	17.43	17.65	19.00
5	256QAM	1	24	17.56	17.67	17.77	17.50	17.67	19.00
5	256QAM	12	0	17.52	17.67	17.83	17.62	17.76	19.00
5	256QAM	12	7	17.59	17.71	17.84	17.55	17.60	19.00
5	256QAM	12	13	17.58	17.65	17.69	17.47	17.55	19.00
5	256QAM	25	0	17.50	17.60	17.75	17.59	17.66	19.00



【LTE Band 41__FCC (2496~2690MHz)_Ant 1_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	19.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	17.92	17.97	18.07	17.93	17.99	19.00
20	QPSK	1	49	17.83	17.82	18.05	17.84	17.86	19.00
20	QPSK	1	99	17.73	17.89	18.01	17.81	17.87	19.00
20	QPSK	50	0	17.85	17.86	18.03	17.78	17.82	19.00
20	QPSK	50	24	17.80	17.88	18.00	17.81	17.87	19.00
20	QPSK	50	50	17.71	17.78	17.99	17.77	17.81	19.00
20	QPSK	100	0	17.76	17.68	17.92	17.69	17.71	19.00
20	16QAM	1	0	17.73	17.76	17.95	17.78	17.72	19.00
20	16QAM	1	49	17.80	17.74	17.98	17.69	17.80	19.00
20	16QAM	1	99	17.79	17.81	17.96	17.73	17.84	19.00
20	16QAM	50	0	17.68	17.72	17.94	17.73	17.84	19.00
20	16QAM	50	24	17.79	17.74	17.97	17.78	17.80	19.00
20	16QAM	50	50	17.70	17.76	17.92	17.68	17.77	19.00
20	16QAM	100	0	17.79	17.84	17.99	17.75	17.85	19.00
20	64QAM	1	0	17.61	17.70	17.89	17.66	17.74	19.00
20	64QAM	1	49	17.65	17.70	17.85	17.68	17.70	19.00
20	64QAM	1	99	17.60	17.69	17.87	17.59	17.66	19.00
20	64QAM	50	0	17.76	17.71	17.93	17.76	17.83	19.00
20	64QAM	50	24	17.61	17.76	17.91	17.69	17.76	19.00
20	64QAM	50	50	17.60	17.71	17.89	17.64	17.74	19.00
20	64QAM	100	0	17.74	17.75	17.92	17.72	17.73	19.00
20	256QAM	1	0	17.64	17.73	17.85	17.65	17.68	19.00
20	256QAM	1	49	17.65	17.71	17.83	17.57	17.72	19.00
20	256QAM	1	99	17.71	17.76	17.87	17.64	17.69	19.00
20	256QAM	50	0	17.65	17.71	17.90	17.65	17.79	19.00
20	256QAM	50	24	17.68	17.73	17.86	17.61	17.64	19.00
20	256QAM	50	50	17.62	17.71	17.83	17.57	17.65	19.00
20	256QAM	100	0	17.60	17.63	17.85	17.70	17.67	19.00
Channel				39725	40173	40620	41068	41515	19.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	17.84	17.92	18.06	17.85	17.93	19.00
15	QPSK	1	37	17.75	17.71	17.96	17.71	17.83	19.00
15	QPSK	1	74	17.63	17.78	17.92	17.79	17.79	19.00
15	QPSK	36	0	17.78	17.84	17.94	17.71	17.79	19.00
15	QPSK	36	20	17.71	17.81	17.94	17.66	17.78	19.00
15	QPSK	36	39	17.59	17.72	17.95	17.68	17.76	19.00
15	QPSK	75	0	17.67	17.59	17.90	17.61	17.67	19.00
15	16QAM	1	0	17.67	17.70	17.81	17.70	17.69	19.00
15	16QAM	1	37	17.70	17.62	17.95	17.67	17.78	19.00
15	16QAM	1	74	17.70	17.78	17.85	17.65	17.78	19.00
15	16QAM	36	0	17.66	17.67	17.82	17.59	17.79	19.00
15	16QAM	36	20	17.68	17.59	17.92	17.75	17.66	19.00
15	16QAM	36	39	17.62	17.71	17.88	17.61	17.73	19.00
15	16QAM	75	0	17.76	17.78	17.97	17.64	17.70	19.00
15	64QAM	1	0	17.46	17.58	17.84	17.51	17.65	19.00
15	64QAM	1	37	17.53	17.67	17.78	17.63	17.61	19.00
15	64QAM	1	74	17.45	17.68	17.80	17.50	17.55	19.00
15	64QAM	36	0	17.70	17.67	17.82	17.61	17.82	19.00
15	64QAM	36	20	17.56	17.71	17.87	17.58	17.62	19.00
15	64QAM	36	39	17.53	17.61	17.75	17.49	17.64	19.00
15	64QAM	75	0	17.62	17.67	17.86	17.68	17.65	19.00
15	256QAM	1	0	17.52	17.64	17.75	17.60	17.55	19.00
15	256QAM	1	37	17.50	17.58	17.69	17.53	17.61	19.00
15	256QAM	1	74	17.65	17.69	17.82	17.60	17.65	19.00
15	256QAM	36	0	17.55	17.60	17.82	17.56	17.70	19.00
15	256QAM	36	20	17.57	17.68	17.81	17.52	17.59	19.00
15	256QAM	36	39	17.61	17.64	17.73	17.55	17.64	19.00
15	256QAM	75	0	17.58	17.61	17.74	17.67	17.63	19.00
Channel				39700	40160	40620	41080	41540	19.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	17.80	17.92	18.01	17.79	17.89	19.00
10	QPSK	1	25	17.78	17.76	17.95	17.80	17.84	19.00
10	QPSK	1	49	17.65	17.76	17.93	17.72	17.78	19.00
10	QPSK	25	0	17.82	17.74	17.91	17.70	17.73	19.00
10	QPSK	25	12	17.75	17.83	17.94	17.75	17.84	19.00
10	QPSK	25	25	17.59	17.66	17.91	17.64	17.76	19.00
10	QPSK	50	0	17.72	17.56	17.89	17.55	17.57	19.00
10	16QAM	1	0	17.61	17.65	17.92	17.66	17.68	19.00
10	16QAM	1	25	17.65	17.60	17.96	17.63	17.69	19.00



10	16QAM	1	49	17.66	17.74	17.89	17.67	17.77	19.00
10	16QAM	25	0	17.63	17.65	17.84	17.65	17.81	19.00
10	16QAM	25	12	17.66	17.65	17.90	17.77	17.67	19.00
10	16QAM	25	25	17.67	17.64	17.78	17.56	17.72	19.00
10	16QAM	50	0	17.76	17.81	17.86	17.67	17.70	19.00
10	64QAM	1	0	17.57	17.64	17.79	17.57	17.67	19.00
10	64QAM	1	25	17.55	17.57	17.78	17.58	17.60	19.00
10	64QAM	1	49	17.49	17.66	17.76	17.56	17.56	19.00
10	64QAM	25	0	17.72	17.56	17.78	17.63	17.76	19.00
10	64QAM	25	12	17.48	17.71	17.88	17.56	17.74	19.00
10	64QAM	25	25	17.57	17.64	17.75	17.59	17.67	19.00
10	64QAM	50	0	17.64	17.65	17.79	17.62	17.70	19.00
10	256QAM	1	0	17.58	17.60	17.78	17.51	17.58	19.00
10	256QAM	1	25	17.62	17.58	17.73	17.52	17.70	19.00
10	256QAM	1	49	17.66	17.71	17.82	17.50	17.56	19.00
10	256QAM	25	0	17.56	17.60	17.79	17.52	17.70	19.00
10	256QAM	25	12	17.57	17.69	17.79	17.60	17.53	19.00
10	256QAM	25	25	17.59	17.67	17.77	17.47	17.62	19.00
10	256QAM	50	0	17.58	17.51	17.77	17.59	17.64	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	17.81	17.84	18.05	17.90	17.97	19.00
5	QPSK	1	12	17.68	17.77	17.92	17.76	17.81	19.00
5	QPSK	1	24	17.61	17.75	17.86	17.77	17.78	19.00
5	QPSK	12	0	17.76	17.73	17.93	17.74	17.79	19.00
5	QPSK	12	7	17.73	17.83	17.96	17.79	17.84	19.00
5	QPSK	12	13	17.68	17.66	17.89	17.64	17.77	19.00
5	QPSK	25	0	17.64	17.56	17.79	17.56	17.63	19.00
5	16QAM	1	0	17.69	17.70	17.81	17.64	17.66	19.00
5	16QAM	1	12	17.74	17.64	17.86	17.63	17.76	19.00
5	16QAM	1	24	17.72	17.70	17.93	17.60	17.70	19.00
5	16QAM	12	0	17.53	17.70	17.89	17.70	17.72	19.00
5	16QAM	12	7	17.75	17.65	17.93	17.70	17.66	19.00
5	16QAM	12	13	17.60	17.64	17.90	17.63	17.65	19.00
5	16QAM	25	0	17.67	17.71	17.97	17.64	17.70	19.00
5	64QAM	1	0	17.54	17.60	17.82	17.62	17.73	19.00
5	64QAM	1	12	17.60	17.68	17.78	17.62	17.62	19.00
5	64QAM	1	24	17.56	17.66	17.83	17.57	17.54	19.00
5	64QAM	12	0	17.64	17.66	17.89	17.72	17.73	19.00
5	64QAM	12	7	17.52	17.69	17.89	17.61	17.65	19.00
5	64QAM	12	13	17.55	17.70	17.81	17.59	17.70	19.00
5	64QAM	25	0	17.66	17.71	17.81	17.63	17.66	19.00
5	256QAM	1	0	17.59	17.60	17.77	17.55	17.56	19.00
5	256QAM	1	12	17.59	17.58	17.76	17.43	17.65	19.00
5	256QAM	1	24	17.56	17.67	17.77	17.50	17.67	19.00
5	256QAM	12	0	17.52	17.67	17.83	17.62	17.76	19.00
5	256QAM	12	7	17.59	17.71	17.84	17.55	17.60	19.00
5	256QAM	12	13	17.58	17.65	17.69	17.47	17.55	19.00
5	256QAM	25	0	17.50	17.60	17.75	17.59	17.66	19.00

【LTE Band 41__FCC (2496~2690MHz)_Ant 4_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.40	22.17	22.79	22.65	22.78	24.00
20	QPSK	1	49	22.15	22.00	22.61	22.46	22.57	24.00
20	QPSK	1	99	22.14	22.00	22.64	22.36	22.55	24.00
20	QPSK	50	0	21.26	21.11	21.72	21.45	21.66	23.00
20	QPSK	50	24	21.23	21.01	21.71	21.55	21.59	23.00
20	QPSK	50	50	21.25	21.07	21.68	21.44	21.62	23.00
20	QPSK	100	0	21.29	21.04	21.71	21.54	21.68	23.00
20	16QAM	1	0	21.22	21.01	21.69	21.43	21.55	23.00
20	16QAM	1	49	21.25	21.04	21.71	21.50	21.64	23.00
20	16QAM	1	99	21.15	21.01	21.66	21.46	21.63	23.00
20	16QAM	50	0	20.23	20.00	20.63	20.42	20.57	22.00
20	16QAM	50	24	20.34	20.03	20.71	20.46	20.57	22.00
20	16QAM	50	50	20.22	20.07	20.70	20.56	20.56	22.00
20	16QAM	100	0	20.23	20.10	20.69	20.54	20.66	22.00
20	64QAM	1	0	20.43	20.26	20.86	20.69	20.83	22.00
20	64QAM	1	49	20.34	20.18	20.76	20.52	20.70	22.00



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20	64QAM	1	99	20.41	20.15	20.78	20.56	20.70	22.00
20	64QAM	50	0	19.27	19.06	19.65	19.50	19.55	21.00
20	64QAM	50	24	19.25	19.12	19.70	19.46	19.68	21.00
20	64QAM	50	50	19.23	19.11	19.71	19.46	19.55	21.00
20	64QAM	100	0	19.35	19.13	19.73	19.54	19.65	21.00
20	256QAM	1	0	17.23	17.15	17.65	17.46	17.58	19.00
20	256QAM	1	49	17.19	17.00	17.52	17.29	17.37	19.00
20	256QAM	1	99	17.25	17.04	17.67	17.49	17.57	19.00
20	256QAM	50	0	17.31	17.06	17.67	17.47	17.56	19.00
20	256QAM	50	24	17.34	17.11	17.74	17.49	17.68	19.00
20	256QAM	50	50	17.40	17.13	17.72	17.53	17.57	19.00
20	256QAM	100	0	17.34	17.17	17.71	17.49	17.57	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.32	22.15	22.69	22.58	22.73	24.00
15	QPSK	1	37	22.06	22.00	22.50	22.33	22.51	24.00
15	QPSK	1	74	22.01	22.00	22.53	22.25	22.50	24.00
15	QPSK	36	0	21.24	21.03	21.61	21.30	21.53	23.00
15	QPSK	36	20	21.19	21.00	21.69	21.50	21.57	23.00
15	QPSK	36	39	21.21	21.00	21.59	21.34	21.48	23.00
15	QPSK	75	0	21.25	21.01	21.57	21.44	21.61	23.00
15	16QAM	1	0	21.18	21.01	21.67	21.37	21.51	23.00
15	16QAM	1	37	21.16	21.00	21.63	21.37	21.63	23.00
15	16QAM	1	74	21.11	21.01	21.59	21.37	21.53	23.00
15	16QAM	36	0	20.09	20.01	20.54	20.29	20.48	22.00
15	16QAM	36	20	20.30	20.00	20.58	20.41	20.49	22.00
15	16QAM	36	39	20.16	20.00	20.59	20.43	20.54	22.00
15	16QAM	75	0	20.09	20.00	20.59	20.52	20.60	22.00
15	64QAM	1	0	20.34	20.22	20.72	20.62	20.70	22.00
15	64QAM	1	37	20.28	20.05	20.74	20.40	20.64	22.00
15	64QAM	1	74	20.31	20.08	20.75	20.54	20.64	22.00
15	64QAM	36	0	19.23	19.00	19.63	19.38	19.43	21.00
15	64QAM	36	20	19.17	19.05	19.62	19.41	19.54	21.00
15	64QAM	36	39	19.12	19.09	19.63	19.32	19.49	21.00
15	64QAM	75	0	19.32	19.05	19.62	19.42	19.61	21.00
15	256QAM	1	0	17.15	17.06	17.57	17.42	17.55	19.00
15	256QAM	1	37	17.08	17.01	17.48	17.19	17.25	19.00
15	256QAM	1	74	17.22	17.00	17.56	17.40	17.45	19.00
15	256QAM	36	0	17.23	17.01	17.62	17.46	17.54	19.00
15	256QAM	36	20	17.28	17.06	17.59	17.37	17.56	19.00
15	256QAM	36	39	17.31	17.04	17.68	17.38	17.51	19.00
15	256QAM	75	0	17.25	17.08	17.62	17.45	17.45	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.28	22.12	22.74	22.58	22.72	24.00
10	QPSK	1	25	22.05	22.00	22.46	22.37	22.46	24.00
10	QPSK	1	49	22.09	22.00	22.50	22.32	22.46	24.00
10	QPSK	25	0	21.16	21.09	21.59	21.39	21.63	23.00
10	QPSK	25	12	21.18	21.01	21.60	21.46	21.52	23.00
10	QPSK	25	25	21.16	21.01	21.56	21.34	21.52	23.00
10	QPSK	50	0	21.18	21.00	21.64	21.46	21.66	23.00
10	16QAM	1	0	21.16	21.00	21.61	21.31	21.51	23.00
10	16QAM	1	25	21.22	21.00	21.68	21.44	21.59	23.00
10	16QAM	1	49	21.08	21.01	21.61	21.37	21.51	23.00
10	16QAM	25	0	20.18	20.00	20.48	20.40	20.51	22.00
10	16QAM	25	12	20.27	20.01	20.60	20.36	20.51	22.00
10	16QAM	25	25	20.15	20.05	20.67	20.42	20.49	22.00
10	16QAM	50	0	20.18	20.00	20.65	20.43	20.61	22.00
10	64QAM	1	0	20.37	20.12	20.71	20.56	20.71	22.00
10	64QAM	1	25	20.26	20.13	20.73	20.50	20.63	22.00
10	64QAM	1	49	20.26	20.11	20.66	20.49	20.64	22.00
10	64QAM	25	0	19.24	19.01	19.63	19.46	19.49	21.00
10	64QAM	25	12	19.21	19.02	19.64	19.34	19.55	21.00
10	64QAM	25	25	19.13	19.02	19.65	19.40	19.46	21.00
10	64QAM	50	0	19.24	19.01	19.67	19.52	19.53	21.00
10	256QAM	1	0	17.09	17.14	17.58	17.35	17.52	19.00
10	256QAM	1	25	17.04	17.01	17.47	17.20	17.31	19.00
10	256QAM	1	49	17.17	17.00	17.59	17.36	17.55	19.00
10	256QAM	25	0	17.22	17.00	17.59	17.43	17.50	19.00
10	256QAM	25	12	17.24	17.01	17.61	17.46	17.58	19.00
10	256QAM	25	25	17.37	17.06	17.65	17.46	17.55	19.00
10	256QAM	50	0	17.22	17.15	17.67	17.42	17.45	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.38	22.08	22.71	22.51	22.69	24.00

5	QPSK	1	12	22.13	22.02	22.47	22.44	22.43	24.00
5	QPSK	1	24	22.05	22.00	22.52	22.32	22.47	24.00
5	QPSK	12	0	21.21	21.01	21.68	21.43	21.53	23.00
5	QPSK	12	7	21.10	21.00	21.66	21.54	21.55	23.00
5	QPSK	12	13	21.11	21.00	21.63	21.36	21.50	23.00
5	QPSK	25	0	21.15	21.01	21.64	21.48	21.59	23.00
5	16QAM	1	0	21.19	21.00	21.62	21.34	21.48	23.00
5	16QAM	1	12	21.11	21.00	21.61	21.38	21.56	23.00
5	16QAM	1	24	21.06	21.01	21.65	21.43	21.59	23.00
5	16QAM	12	0	20.11	20.01	20.53	20.30	20.55	22.00
5	16QAM	12	7	20.23	20.00	20.56	20.37	20.50	22.00
5	16QAM	12	13	20.18	20.01	20.64	20.48	20.49	22.00
5	16QAM	25	0	20.10	20.03	20.55	20.40	20.62	22.00
5	64QAM	1	0	20.34	20.16	20.75	20.55	20.79	22.00
5	64QAM	1	12	20.32	20.10	20.62	20.38	20.66	22.00
5	64QAM	1	24	20.27	20.08	20.64	20.46	20.67	22.00
5	64QAM	12	0	19.20	19.01	19.63	19.38	19.53	21.00
5	64QAM	12	7	19.10	19.10	19.67	19.32	19.54	21.00
5	64QAM	12	13	19.11	19.01	19.57	19.38	19.49	21.00
5	64QAM	25	0	19.20	19.03	19.67	19.53	19.57	21.00
5	256QAM	1	0	17.16	17.12	17.61	17.41	17.56	19.00
5	256QAM	1	12	17.14	17.00	17.50	17.22	17.30	19.00
5	256QAM	1	24	17.10	17.01	17.64	17.34	17.45	19.00
5	256QAM	12	0	17.18	17.00	17.61	17.45	17.52	19.00
5	256QAM	12	7	17.26	17.07	17.68	17.38	17.61	19.00
5	256QAM	12	13	17.29	17.11	17.67	17.45	17.53	19.00
5	256QAM	25	0	17.26	17.02	17.68	17.34	17.44	19.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 4_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.40	22.17	22.79	22.65	22.78	24.00
20	QPSK	1	49	22.15	22.00	22.61	22.46	22.57	24.00
20	QPSK	1	99	22.14	22.00	22.64	22.36	22.55	24.00
20	QPSK	50	0	21.26	21.11	21.72	21.45	21.66	23.00
20	QPSK	50	24	21.23	21.01	21.71	21.55	21.59	23.00
20	QPSK	50	50	21.25	21.07	21.68	21.44	21.62	23.00
20	QPSK	100	0	21.29	21.04	21.71	21.54	21.68	23.00
20	16QAM	1	0	21.22	21.01	21.69	21.43	21.55	23.00
20	16QAM	1	49	21.25	21.04	21.71	21.50	21.64	23.00
20	16QAM	1	99	21.15	21.01	21.66	21.46	21.63	23.00
20	16QAM	50	0	20.23	20.00	20.63	20.42	20.57	22.00
20	16QAM	50	24	20.34	20.03	20.71	20.46	20.57	22.00
20	16QAM	50	50	20.22	20.07	20.70	20.56	20.56	22.00
20	16QAM	100	0	20.23	20.10	20.69	20.54	20.66	22.00
20	64QAM	1	0	20.43	20.26	20.86	20.69	20.83	22.00
20	64QAM	1	49	20.34	20.18	20.76	20.52	20.70	22.00
20	64QAM	1	99	20.41	20.15	20.78	20.56	20.70	22.00
20	64QAM	50	0	19.27	19.06	19.65	19.50	19.55	21.00
20	64QAM	50	24	19.25	19.12	19.70	19.46	19.68	21.00
20	64QAM	50	50	19.23	19.11	19.71	19.46	19.55	21.00
20	64QAM	100	0	19.35	19.13	19.73	19.54	19.65	21.00
20	256QAM	1	0	17.23	17.15	17.65	17.46	17.58	19.00
20	256QAM	1	49	17.19	17.00	17.52	17.29	17.37	19.00
20	256QAM	1	99	17.25	17.04	17.67	17.49	17.57	19.00
20	256QAM	50	0	17.31	17.06	17.67	17.47	17.56	19.00
20	256QAM	50	24	17.34	17.11	17.74	17.49	17.68	19.00
20	256QAM	50	50	17.40	17.13	17.72	17.53	17.57	19.00
20	256QAM	100	0	17.34	17.17	17.71	17.49	17.57	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.32	22.15	22.69	22.58	22.73	24.00
15	QPSK	1	37	22.06	22.00	22.50	22.33	22.51	24.00
15	QPSK	1	74	22.01	22.00	22.53	22.25	22.50	24.00
15	QPSK	36	0	21.24	21.03	21.61	21.30	21.53	23.00
15	QPSK	36	20	21.19	21.00	21.69	21.50	21.57	23.00
15	QPSK	36	39	21.21	21.00	21.59	21.34	21.48	23.00
15	QPSK	75	0	21.25	21.01	21.57	21.44	21.61	23.00
15	16QAM	1	0	21.18	21.01	21.67	21.37	21.51	23.00



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15	16QAM	1	37	21.16	21.00	21.63	21.37	21.63	23.00
15	16QAM	1	74	21.11	21.01	21.59	21.37	21.53	23.00
15	16QAM	36	0	20.09	20.01	20.54	20.29	20.48	22.00
15	16QAM	36	20	20.30	20.00	20.58	20.41	20.49	22.00
15	16QAM	36	39	20.16	20.00	20.59	20.43	20.54	22.00
15	16QAM	75	0	20.09	20.00	20.59	20.52	20.60	22.00
15	64QAM	1	0	20.34	20.22	20.72	20.62	20.70	22.00
15	64QAM	1	37	20.28	20.05	20.74	20.40	20.64	22.00
15	64QAM	1	74	20.31	20.08	20.75	20.54	20.64	22.00
15	64QAM	36	0	19.23	19.00	19.63	19.38	19.43	21.00
15	64QAM	36	20	19.17	19.05	19.62	19.41	19.54	21.00
15	64QAM	36	39	19.12	19.09	19.63	19.32	19.49	21.00
15	64QAM	75	0	19.32	19.05	19.62	19.42	19.61	21.00
15	256QAM	1	0	17.15	17.06	17.57	17.42	17.55	19.00
15	256QAM	1	37	17.08	17.01	17.48	17.19	17.25	19.00
15	256QAM	1	74	17.22	17.00	17.56	17.40	17.45	19.00
15	256QAM	36	0	17.23	17.01	17.62	17.46	17.54	19.00
15	256QAM	36	20	17.28	17.06	17.59	17.37	17.56	19.00
15	256QAM	36	39	17.31	17.04	17.68	17.38	17.51	19.00
15	256QAM	75	0	17.25	17.08	17.62	17.45	17.45	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.28	22.12	22.74	22.58	22.72	24.00
10	QPSK	1	25	22.05	22.00	22.46	22.37	22.46	24.00
10	QPSK	1	49	22.09	22.00	22.50	22.32	22.46	24.00
10	QPSK	25	0	21.16	21.09	21.59	21.39	21.63	23.00
10	QPSK	25	12	21.18	21.01	21.60	21.46	21.52	23.00
10	QPSK	25	25	21.16	21.01	21.56	21.34	21.52	23.00
10	QPSK	50	0	21.18	21.00	21.64	21.46	21.66	23.00
10	16QAM	1	0	21.16	21.00	21.61	21.31	21.51	23.00
10	16QAM	1	25	21.22	21.00	21.68	21.44	21.59	23.00
10	16QAM	1	49	21.08	21.01	21.61	21.37	21.51	23.00
10	16QAM	25	0	20.18	20.00	20.48	20.40	20.51	22.00
10	16QAM	25	12	20.27	20.01	20.60	20.36	20.51	22.00
10	16QAM	25	25	20.15	20.05	20.67	20.42	20.49	22.00
10	16QAM	50	0	20.18	20.00	20.65	20.43	20.61	22.00
10	64QAM	1	0	20.37	20.12	20.71	20.56	20.71	22.00
10	64QAM	1	25	20.26	20.13	20.73	20.50	20.63	22.00
10	64QAM	1	49	20.26	20.11	20.66	20.49	20.64	22.00
10	64QAM	25	0	19.24	19.01	19.63	19.46	19.49	21.00
10	64QAM	25	12	19.21	19.02	19.64	19.34	19.55	21.00
10	64QAM	25	25	19.13	19.02	19.65	19.40	19.46	21.00
10	64QAM	50	0	19.24	19.01	19.67	19.52	19.53	21.00
10	256QAM	1	0	17.09	17.14	17.58	17.35	17.52	19.00
10	256QAM	1	25	17.04	17.01	17.47	17.20	17.31	19.00
10	256QAM	1	49	17.17	17.00	17.59	17.36	17.55	19.00
10	256QAM	25	0	17.22	17.00	17.59	17.43	17.50	19.00
10	256QAM	25	12	17.24	17.01	17.61	17.46	17.58	19.00
10	256QAM	25	25	17.37	17.06	17.65	17.46	17.55	19.00
10	256QAM	50	0	17.22	17.15	17.67	17.42	17.45	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.38	22.08	22.71	22.51	22.69	24.00
5	QPSK	1	12	22.13	22.02	22.47	22.44	22.43	24.00
5	QPSK	1	24	22.05	22.00	22.52	22.32	22.47	24.00
5	QPSK	12	0	21.21	21.01	21.68	21.43	21.53	23.00
5	QPSK	12	7	21.10	21.00	21.66	21.54	21.55	23.00
5	QPSK	12	13	21.11	21.00	21.63	21.36	21.50	23.00
5	QPSK	25	0	21.15	21.01	21.64	21.48	21.59	23.00
5	16QAM	1	0	21.19	21.00	21.62	21.34	21.48	23.00
5	16QAM	1	12	21.11	21.00	21.61	21.38	21.56	23.00
5	16QAM	1	24	21.06	21.01	21.65	21.43	21.59	23.00
5	16QAM	12	0	20.11	20.01	20.53	20.30	20.55	22.00
5	16QAM	12	7	20.23	20.00	20.56	20.37	20.50	22.00
5	16QAM	12	13	20.18	20.01	20.64	20.48	20.49	22.00
5	16QAM	25	0	20.10	20.03	20.55	20.40	20.62	22.00
5	64QAM	1	0	20.34	20.16	20.75	20.55	20.79	22.00
5	64QAM	1	12	20.32	20.10	20.62	20.38	20.66	22.00
5	64QAM	1	24	20.27	20.08	20.64	20.46	20.67	22.00
5	64QAM	12	0	19.20	19.01	19.63	19.38	19.53	21.00
5	64QAM	12	7	19.10	19.10	19.67	19.32	19.54	21.00
5	64QAM	12	13	19.11	19.01	19.57	19.38	19.49	21.00
5	64QAM	25	0	19.20	19.03	19.67	19.53	19.57	21.00
5	256QAM	1	0	17.16	17.12	17.61	17.41	17.56	19.00
5	256QAM	1	12	17.14	17.00	17.50	17.22	17.30	19.00
5	256QAM	1	24	17.10	17.01	17.64	17.34	17.45	19.00



5	256QAM	12	0	17.18	17.00	17.61	17.45	17.52	19.00
5	256QAM	12	7	17.26	17.07	17.68	17.38	17.61	19.00
5	256QAM	12	13	17.29	17.11	17.67	17.45	17.53	19.00
5	256QAM	25	0	17.26	17.02	17.68	17.34	17.44	19.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 4_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	21.00
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.78	19.81	19.83	19.75	19.77	21.00
20	QPSK	1	49	19.63	19.58	19.73	19.61	19.60	21.00
20	QPSK	1	99	19.67	19.66	19.75	19.61	19.55	21.00
20	QPSK	50	0	19.62	19.71	19.80	19.66	19.63	21.00
20	QPSK	50	24	19.53	19.65	19.72	19.62	19.55	21.00
20	QPSK	50	50	19.54	19.57	19.70	19.54	19.52	21.00
20	QPSK	100	0	19.72	19.62	19.78	19.64	19.70	21.00
20	16QAM	1	0	19.67	19.59	19.75	19.54	19.54	21.00
20	16QAM	1	49	19.66	19.60	19.72	19.59	19.54	21.00
20	16QAM	1	99	19.54	19.60	19.68	19.52	19.51	21.00
20	16QAM	50	0	19.50	19.50	19.66	19.45	19.54	21.00
20	16QAM	50	24	19.61	19.63	19.74	19.60	19.63	21.00
20	16QAM	50	50	19.66	19.61	19.73	19.54	19.54	21.00
20	16QAM	100	0	19.59	19.63	19.75	19.64	19.61	21.00
20	64QAM	1	0	19.63	19.56	19.72	19.62	19.57	21.00
20	64QAM	1	49	19.62	19.73	19.77	19.66	19.64	21.00
20	64QAM	1	99	19.67	19.60	19.75	19.57	19.56	21.00
20	64QAM	50	0	19.54	19.68	19.73	19.63	19.58	21.00
20	64QAM	50	24	19.60	19.58	19.70	19.54	19.57	21.00
20	64QAM	50	50	19.68	19.69	19.76	19.64	19.59	21.00
20	64QAM	100	0	19.64	19.61	19.72	19.53	19.65	21.00
20	256QAM	1	0	17.23	17.15	17.65	17.46	17.58	19.00
20	256QAM	1	49	17.19	17.00	17.52	17.29	17.37	19.00
20	256QAM	1	99	17.25	17.04	17.67	17.49	17.57	19.00
20	256QAM	50	0	17.31	17.06	17.67	17.47	17.56	19.00
20	256QAM	50	24	17.34	17.11	17.74	17.49	17.68	19.00
20	256QAM	50	50	17.40	17.13	17.72	17.53	17.57	19.00
20	256QAM	100	0	17.34	17.17	17.71	17.49	17.57	19.00
Channel				39725	40173	40620	41068	41515	21.00
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.69	19.73	19.73	19.67	19.68	21.00
15	QPSK	1	37	19.55	19.51	19.59	19.49	19.47	21.00
15	QPSK	1	74	19.54	19.53	19.63	19.59	19.53	21.00
15	QPSK	36	0	19.52	19.61	19.68	19.56	19.52	21.00
15	QPSK	36	20	19.40	19.54	19.65	19.49	19.44	21.00
15	QPSK	36	39	19.41	19.53	19.58	19.40	19.37	21.00
15	QPSK	75	0	19.60	19.60	19.70	19.52	19.63	21.00
15	16QAM	1	0	19.59	19.56	19.70	19.46	19.40	21.00
15	16QAM	1	37	19.55	19.56	19.67	19.57	19.40	21.00
15	16QAM	1	74	19.48	19.51	19.57	19.40	19.46	21.00
15	16QAM	36	0	19.41	19.47	19.59	19.31	19.43	21.00
15	16QAM	36	20	19.57	19.59	19.63	19.54	19.54	21.00
15	16QAM	36	39	19.56	19.48	19.72	19.41	19.51	21.00
15	16QAM	75	0	19.51	19.49	19.64	19.50	19.53	21.00
15	64QAM	1	0	19.61	19.44	19.69	19.54	19.47	21.00
15	64QAM	1	37	19.54	19.62	19.73	19.63	19.56	21.00
15	64QAM	1	74	19.58	19.52	19.67	19.48	19.46	21.00
15	64QAM	36	0	19.40	19.55	19.64	19.53	19.48	21.00
15	64QAM	36	20	19.50	19.49	19.57	19.52	19.45	21.00
15	64QAM	36	39	19.63	19.65	19.64	19.50	19.49	21.00
15	64QAM	75	0	19.58	19.46	19.57	19.42	19.54	21.00
15	256QAM	1	0	17.09	17.10	17.60	17.41	17.54	19.00
15	256QAM	1	37	17.10	17.01	17.50	17.17	17.24	19.00
15	256QAM	1	74	17.10	17.00	17.57	17.36	17.53	19.00
15	256QAM	36	0	17.29	17.01	17.54	17.39	17.43	19.00
15	256QAM	36	20	17.26	17.01	17.66	17.38	17.66	19.00
15	256QAM	36	39	17.37	17.07	17.60	17.42	17.55	19.00
15	256QAM	75	0	17.31	17.16	17.60	17.47	17.48	19.00
Channel				39700	40160	40620	41080	41540	21.00
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.73	19.72	19.73	19.66	19.69	21.00

10	QPSK	1	25	19.58	19.48	19.68	19.59	19.52	21.00
10	QPSK	1	49	19.63	19.52	19.66	19.53	19.45	21.00
10	QPSK	25	0	19.61	19.61	19.67	19.54	19.49	21.00
10	QPSK	25	12	19.40	19.57	19.70	19.59	19.52	21.00
10	QPSK	25	25	19.50	19.54	19.69	19.48	19.44	21.00
10	QPSK	50	0	19.69	19.53	19.66	19.63	19.66	21.00
10	16QAM	1	0	19.64	19.53	19.66	19.40	19.42	21.00
10	16QAM	1	25	19.55	19.54	19.62	19.48	19.50	21.00
10	16QAM	1	49	19.53	19.47	19.56	19.42	19.45	21.00
10	16QAM	25	0	19.46	19.44	19.51	19.33	19.49	21.00
10	16QAM	25	12	19.47	19.51	19.62	19.48	19.58	21.00
10	16QAM	25	25	19.55	19.58	19.69	19.41	19.47	21.00
10	16QAM	50	0	19.53	19.58	19.64	19.62	19.56	21.00
10	64QAM	1	0	19.57	19.46	19.68	19.48	19.47	21.00
10	64QAM	1	25	19.53	19.68	19.73	19.63	19.50	21.00
10	64QAM	1	49	19.64	19.49	19.60	19.46	19.53	21.00
10	64QAM	25	0	19.40	19.59	19.64	19.50	19.48	21.00
10	64QAM	25	12	19.48	19.54	19.68	19.49	19.43	21.00
10	64QAM	25	25	19.59	19.58	19.63	19.55	19.53	21.00
10	64QAM	50	0	19.62	19.48	19.65	19.49	19.51	21.00
10	256QAM	1	0	17.11	17.02	17.51	17.33	17.47	19.00
10	256QAM	1	25	17.08	17.00	17.38	17.18	17.29	19.00
10	256QAM	1	49	17.15	17.00	17.54	17.34	17.45	19.00
10	256QAM	25	0	17.23	17.02	17.59	17.45	17.44	19.00
10	256QAM	25	12	17.27	17.08	17.63	17.45	17.57	19.00
10	256QAM	25	25	17.38	17.00	17.59	17.41	17.44	19.00
10	256QAM	50	0	17.20	17.12	17.69	17.35	17.49	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.77	19.71	19.81	19.71	19.74	21.00
5	QPSK	1	12	19.52	19.52	19.68	19.56	19.47	21.00
5	QPSK	1	24	19.57	19.60	19.74	19.46	19.46	21.00
5	QPSK	12	0	19.52	19.57	19.78	19.53	19.52	21.00
5	QPSK	12	7	19.47	19.52	19.67	19.56	19.49	21.00
5	QPSK	12	13	19.47	19.53	19.57	19.51	19.50	21.00
5	QPSK	25	0	19.67	19.49	19.71	19.54	19.60	21.00
5	16QAM	1	0	19.52	19.46	19.60	19.39	19.45	21.00
5	16QAM	1	12	19.59	19.45	19.68	19.45	19.52	21.00
5	16QAM	1	24	19.40	19.46	19.66	19.41	19.49	21.00
5	16QAM	12	0	19.43	19.35	19.56	19.38	19.44	21.00
5	16QAM	12	7	19.49	19.54	19.72	19.58	19.61	21.00
5	16QAM	12	13	19.56	19.56	19.60	19.46	19.46	21.00
5	16QAM	25	0	19.53	19.51	19.71	19.50	19.55	21.00
5	64QAM	1	0	19.56	19.50	19.65	19.52	19.42	21.00
5	64QAM	1	12	19.56	19.66	19.71	19.57	19.54	21.00
5	64QAM	1	24	19.63	19.47	19.67	19.49	19.42	21.00
5	64QAM	12	0	19.40	19.65	19.64	19.58	19.50	21.00
5	64QAM	12	7	19.52	19.47	19.60	19.52	19.45	21.00
5	64QAM	12	13	19.61	19.63	19.64	19.60	19.44	21.00
5	64QAM	25	0	19.53	19.60	19.64	19.44	19.54	21.00
5	256QAM	1	0	17.12	17.10	17.56	17.40	17.53	19.00
5	256QAM	1	12	17.06	17.01	17.41	17.19	17.25	19.00
5	256QAM	1	24	17.23	17.02	17.64	17.36	17.46	19.00
5	256QAM	12	0	17.26	17.00	17.58	17.41	17.50	19.00
5	256QAM	12	7	17.20	17.02	17.72	17.35	17.54	19.00
5	256QAM	12	13	17.27	17.04	17.57	17.42	17.53	19.00
5	256QAM	25	0	17.28	17.06	17.68	17.48	17.55	19.00

【LTE Band 41_FCC (2496~2690MHz)_Ant 4_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.78	19.81	19.83	19.75	19.77	21.00
20	QPSK	1	49	19.63	19.58	19.73	19.61	19.60	21.00
20	QPSK	1	99	19.67	19.66	19.75	19.61	19.55	21.00
20	QPSK	50	0	19.62	19.71	19.80	19.66	19.63	21.00
20	QPSK	50	24	19.53	19.65	19.72	19.62	19.55	21.00
20	QPSK	50	50	19.54	19.57	19.70	19.54	19.52	21.00
20	QPSK	100	0	19.72	19.62	19.78	19.64	19.70	21.00
20	16QAM	1	0	19.67	19.59	19.75	19.54	19.54	21.00



20	16QAM	1	49	19.66	19.60	19.72	19.59	19.54	21.00
20	16QAM	1	99	19.54	19.60	19.68	19.52	19.51	21.00
20	16QAM	50	0	19.50	19.50	19.66	19.45	19.54	21.00
20	16QAM	50	24	19.61	19.63	19.74	19.60	19.63	21.00
20	16QAM	50	50	19.66	19.61	19.73	19.54	19.54	21.00
20	16QAM	100	0	19.59	19.63	19.75	19.64	19.61	21.00
20	64QAM	1	0	19.63	19.56	19.72	19.62	19.57	21.00
20	64QAM	1	49	19.62	19.73	19.77	19.66	19.64	21.00
20	64QAM	1	99	19.67	19.60	19.75	19.57	19.56	21.00
20	64QAM	50	0	19.54	19.68	19.73	19.63	19.58	21.00
20	64QAM	50	24	19.60	19.58	19.70	19.54	19.57	21.00
20	64QAM	50	50	19.68	19.69	19.76	19.64	19.59	21.00
20	64QAM	100	0	19.64	19.61	19.72	19.53	19.65	21.00
20	256QAM	1	0	17.23	17.15	17.65	17.46	17.58	19.00
20	256QAM	1	49	17.19	17.00	17.52	17.29	17.37	19.00
20	256QAM	1	99	17.25	17.04	17.67	17.49	17.57	19.00
20	256QAM	50	0	17.31	17.06	17.67	17.47	17.56	19.00
20	256QAM	50	24	17.34	17.11	17.74	17.49	17.68	19.00
20	256QAM	50	50	17.40	17.13	17.72	17.53	17.57	19.00
20	256QAM	100	0	17.34	17.17	17.71	17.49	17.57	19.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.69	19.73	19.73	19.67	19.68	21.00
15	QPSK	1	37	19.55	19.51	19.59	19.49	19.47	21.00
15	QPSK	1	74	19.54	19.53	19.63	19.59	19.53	21.00
15	QPSK	36	0	19.52	19.61	19.68	19.56	19.52	21.00
15	QPSK	36	20	19.40	19.54	19.65	19.49	19.44	21.00
15	QPSK	36	39	19.41	19.53	19.58	19.40	19.37	21.00
15	QPSK	75	0	19.60	19.60	19.70	19.52	19.63	21.00
15	16QAM	1	0	19.59	19.56	19.70	19.46	19.40	21.00
15	16QAM	1	37	19.55	19.56	19.67	19.57	19.40	21.00
15	16QAM	1	74	19.48	19.51	19.57	19.40	19.46	21.00
15	16QAM	36	0	19.41	19.47	19.59	19.31	19.43	21.00
15	16QAM	36	20	19.57	19.59	19.63	19.54	19.54	21.00
15	16QAM	36	39	19.56	19.48	19.72	19.41	19.51	21.00
15	16QAM	75	0	19.51	19.49	19.64	19.50	19.53	21.00
15	64QAM	1	0	19.61	19.44	19.69	19.54	19.47	21.00
15	64QAM	1	37	19.54	19.62	19.73	19.63	19.56	21.00
15	64QAM	1	74	19.58	19.52	19.67	19.48	19.46	21.00
15	64QAM	36	0	19.40	19.55	19.64	19.53	19.48	21.00
15	64QAM	36	20	19.50	19.49	19.57	19.52	19.45	21.00
15	64QAM	36	39	19.63	19.65	19.64	19.50	19.49	21.00
15	64QAM	75	0	19.58	19.46	19.57	19.42	19.54	21.00
15	256QAM	1	0	17.09	17.10	17.60	17.41	17.54	19.00
15	256QAM	1	37	17.10	17.01	17.50	17.17	17.24	19.00
15	256QAM	1	74	17.10	17.00	17.57	17.36	17.53	19.00
15	256QAM	36	0	17.29	17.01	17.54	17.39	17.43	19.00
15	256QAM	36	20	17.26	17.01	17.66	17.38	17.66	19.00
15	256QAM	36	39	17.37	17.07	17.60	17.42	17.55	19.00
15	256QAM	75	0	17.31	17.16	17.60	17.47	17.48	19.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.73	19.72	19.73	19.66	19.69	21.00
10	QPSK	1	25	19.58	19.48	19.68	19.59	19.52	21.00
10	QPSK	1	49	19.63	19.52	19.66	19.53	19.45	21.00
10	QPSK	25	0	19.61	19.61	19.67	19.54	19.49	21.00
10	QPSK	25	12	19.40	19.57	19.70	19.59	19.52	21.00
10	QPSK	25	25	19.50	19.54	19.69	19.48	19.44	21.00
10	QPSK	50	0	19.69	19.53	19.66	19.63	19.66	21.00
10	16QAM	1	0	19.64	19.53	19.66	19.40	19.42	21.00
10	16QAM	1	25	19.55	19.54	19.62	19.48	19.50	21.00
10	16QAM	1	49	19.53	19.47	19.56	19.42	19.45	21.00
10	16QAM	25	0	19.46	19.44	19.51	19.33	19.49	21.00
10	16QAM	25	12	19.47	19.51	19.62	19.48	19.58	21.00
10	16QAM	25	25	19.55	19.58	19.69	19.41	19.47	21.00
10	16QAM	50	0	19.53	19.58	19.64	19.62	19.56	21.00
10	64QAM	1	0	19.57	19.46	19.68	19.48	19.47	21.00
10	64QAM	1	25	19.53	19.68	19.73	19.63	19.50	21.00
10	64QAM	1	49	19.64	19.49	19.60	19.46	19.53	21.00
10	64QAM	25	0	19.40	19.59	19.64	19.50	19.48	21.00
10	64QAM	25	12	19.48	19.54	19.68	19.49	19.43	21.00
10	64QAM	25	25	19.59	19.58	19.63	19.55	19.53	21.00
10	64QAM	50	0	19.62	19.48	19.65	19.49	19.51	21.00
10	256QAM	1	0	17.11	17.02	17.51	17.33	17.47	19.00
10	256QAM	1	25	17.08	17.00	17.38	17.18	17.29	19.00
10	256QAM	1	49	17.15	17.00	17.54	17.34	17.45	19.00



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10	256QAM	25	0	17.23	17.02	17.59	17.45	17.44	19.00
10	256QAM	25	12	17.27	17.08	17.63	17.45	17.57	19.00
10	256QAM	25	25	17.38	17.00	17.59	17.41	17.44	19.00
10	256QAM	50	0	17.20	17.12	17.69	17.35	17.49	19.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.77	19.71	19.81	19.71	19.74	21.00
5	QPSK	1	12	19.52	19.52	19.68	19.56	19.47	21.00
5	QPSK	1	24	19.57	19.60	19.74	19.46	19.46	21.00
5	QPSK	12	0	19.52	19.57	19.78	19.53	19.52	21.00
5	QPSK	12	7	19.47	19.52	19.67	19.56	19.49	21.00
5	QPSK	12	13	19.47	19.53	19.57	19.51	19.50	21.00
5	QPSK	25	0	19.67	19.49	19.71	19.54	19.60	21.00
5	16QAM	1	0	19.52	19.46	19.60	19.39	19.45	21.00
5	16QAM	1	12	19.59	19.45	19.68	19.45	19.52	21.00
5	16QAM	1	24	19.40	19.46	19.66	19.41	19.49	21.00
5	16QAM	12	0	19.43	19.35	19.56	19.38	19.44	21.00
5	16QAM	12	7	19.49	19.54	19.72	19.58	19.61	21.00
5	16QAM	12	13	19.56	19.56	19.60	19.46	19.46	21.00
5	16QAM	25	0	19.53	19.51	19.71	19.50	19.55	21.00
5	64QAM	1	0	19.56	19.50	19.65	19.52	19.42	21.00
5	64QAM	1	12	19.56	19.66	19.71	19.57	19.54	21.00
5	64QAM	1	24	19.63	19.47	19.67	19.49	19.42	21.00
5	64QAM	12	0	19.40	19.65	19.64	19.58	19.50	21.00
5	64QAM	12	7	19.52	19.47	19.60	19.52	19.45	21.00
5	64QAM	12	13	19.61	19.63	19.64	19.60	19.44	21.00
5	64QAM	25	0	19.53	19.60	19.64	19.44	19.54	21.00
5	256QAM	1	0	17.12	17.10	17.56	17.40	17.53	19.00
5	256QAM	1	12	17.06	17.01	17.41	17.19	17.25	19.00
5	256QAM	1	24	17.23	17.02	17.64	17.36	17.46	19.00
5	256QAM	12	0	17.26	17.00	17.58	17.41	17.50	19.00
5	256QAM	12	7	17.20	17.02	17.72	17.35	17.54	19.00
5	256QAM	12	13	17.27	17.04	17.57	17.42	17.53	19.00
5	256QAM	25	0	17.28	17.06	17.68	17.48	17.55	19.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 5_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.51	20.53	20.18	21.00
20	QPSK	1	49	20.02	20.10	19.67	21.00
20	QPSK	1	99	19.97	20.01	19.61	21.00
20	QPSK	50	0	19.22	19.29	18.81	20.00
20	QPSK	50	24	19.19	19.27	18.92	20.00
20	QPSK	50	50	19.12	19.21	18.82	20.00
20	QPSK	100	0	19.18	19.23	18.89	20.00
20	16QAM	1	0	19.12	19.24	18.78	20.00
20	16QAM	1	49	19.07	19.15	18.71	20.00
20	16QAM	1	99	19.08	19.18	18.78	20.00
20	16QAM	50	0	18.21	18.27	17.87	19.00
20	16QAM	50	24	18.12	18.26	17.80	19.00
20	16QAM	50	50	18.14	18.22	17.82	19.00
20	16QAM	100	0	18.16	18.26	17.85	19.00
20	64QAM	1	0	18.13	18.28	17.95	19.00
20	64QAM	1	49	18.01	18.09	17.76	19.00
20	64QAM	1	99	17.96	18.10	17.73	19.00
20	64QAM	50	0	17.24	17.27	16.89	18.00
20	64QAM	50	24	17.12	17.23	16.88	18.00
20	64QAM	50	50	17.10	17.22	16.83	18.00
20	64QAM	100	0	17.11	17.24	16.85	18.00
20	256QAM	1	0	15.10	15.22	14.90	16.00
20	256QAM	1	49	14.96	15.12	14.83	16.00
20	256QAM	1	99	14.99	15.14	14.80	16.00
20	256QAM	50	0	15.18	15.24	14.87	16.00
20	256QAM	50	24	15.07	15.16	14.83	16.00
20	256QAM	50	50	15.11	15.15	14.86	16.00
20	256QAM	100	0	15.13	15.18	14.84	16.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.43	20.49	20.10	21.00



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15	QPSK	1	37	19.99	20.07	19.54	21.00
15	QPSK	1	74	19.86	19.95	19.56	21.00
15	QPSK	36	0	19.08	19.20	18.67	20.00
15	QPSK	36	20	19.08	19.18	18.88	20.00
15	QPSK	36	39	19.08	19.18	18.75	20.00
15	QPSK	75	0	19.13	19.16	18.74	20.00
15	16QAM	1	0	19.03	19.10	18.66	20.00
15	16QAM	1	37	18.96	19.12	18.61	20.00
15	16QAM	1	74	18.98	19.05	18.69	20.00
15	16QAM	36	0	18.18	18.14	17.85	19.00
15	16QAM	36	20	17.98	18.18	17.78	19.00
15	16QAM	36	39	18.01	18.15	17.71	19.00
15	16QAM	75	0	18.02	18.17	17.84	19.00
15	64QAM	1	0	18.05	18.19	17.86	19.00
15	64QAM	1	37	17.87	18.00	17.63	19.00
15	64QAM	1	74	17.83	18.03	17.67	19.00
15	64QAM	36	0	17.17	17.13	16.87	18.00
15	64QAM	36	20	17.00	17.11	16.77	18.00
15	64QAM	36	39	16.99	17.07	16.79	18.00
15	64QAM	75	0	17.09	17.13	16.83	18.00
15	256QAM	1	0	15.05	15.09	14.78	16.00
15	256QAM	1	37	14.88	15.00	14.69	16.00
15	256QAM	1	74	14.90	15.10	14.71	16.00
15	256QAM	36	0	15.13	15.10	14.82	16.00
15	256QAM	36	20	14.99	15.07	14.69	16.00
15	256QAM	36	39	15.02	15.14	14.76	16.00
15	256QAM	75	0	15.01	15.11	14.77	16.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.46	20.46	20.10	21.00
10	QPSK	1	25	20.01	19.98	19.54	21.00
10	QPSK	1	49	19.85	19.99	19.50	21.00
10	QPSK	25	0	19.15	19.17	18.71	20.00
10	QPSK	25	12	19.06	19.15	18.85	20.00
10	QPSK	25	25	18.98	19.18	18.68	20.00
10	QPSK	50	0	19.11	19.17	18.81	20.00
10	16QAM	1	0	19.09	19.13	18.66	20.00
10	16QAM	1	25	18.98	19.12	18.68	20.00
10	16QAM	1	49	19.02	19.13	18.71	20.00
10	16QAM	25	0	18.13	18.23	17.80	19.00
10	16QAM	25	12	18.07	18.13	17.67	19.00
10	16QAM	25	25	18.00	18.16	17.72	19.00
10	16QAM	50	0	18.12	18.19	17.77	19.00
10	64QAM	1	0	18.10	18.15	17.89	19.00
10	64QAM	1	25	17.96	18.06	17.65	19.00
10	64QAM	1	49	17.84	17.96	17.65	19.00
10	64QAM	25	0	17.17	17.13	16.85	18.00
10	64QAM	25	12	17.09	17.22	16.86	18.00
10	64QAM	25	25	17.07	17.17	16.73	18.00
10	64QAM	50	0	17.03	17.21	16.72	18.00
10	256QAM	1	0	14.97	15.19	14.82	16.00
10	256QAM	1	25	14.87	15.05	14.79	16.00
10	256QAM	1	49	14.92	15.03	14.75	16.00
10	256QAM	25	0	15.09	15.16	14.81	16.00
10	256QAM	25	12	15.03	15.09	14.82	16.00
10	256QAM	25	25	15.00	15.04	14.80	16.00
10	256QAM	50	0	15.06	15.11	14.80	16.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.50	20.40	20.12	21.00
5	QPSK	1	12	19.96	20.01	19.65	21.00
5	QPSK	1	24	19.91	19.87	19.51	21.00
5	QPSK	12	0	19.20	19.27	18.71	20.00
5	QPSK	12	7	19.04	19.22	18.89	20.00
5	QPSK	12	13	19.01	19.19	18.80	20.00
5	QPSK	25	0	19.13	19.10	18.80	20.00
5	16QAM	1	0	18.99	19.14	18.66	20.00
5	16QAM	1	12	19.03	19.06	18.56	20.00
5	16QAM	1	24	18.93	19.07	18.72	20.00
5	16QAM	12	0	18.07	18.25	17.80	19.00
5	16QAM	12	7	18.10	18.13	17.73	19.00
5	16QAM	12	13	18.08	18.15	17.67	19.00
5	16QAM	25	0	18.09	18.20	17.71	19.00
5	64QAM	1	0	18.06	18.16	17.88	19.00
5	64QAM	1	12	17.93	18.06	17.74	19.00
5	64QAM	1	24	17.94	18.05	17.62	19.00
5	64QAM	12	0	17.10	17.16	16.85	18.00
5	64QAM	12	7	17.01	17.17	16.78	18.00



5	64QAM	12	13	17.08	17.14	16.76	18.00
5	64QAM	25	0	17.07	17.19	16.78	18.00
5	256QAM	1	0	15.04	15.16	14.87	16.00
5	256QAM	1	12	14.87	14.99	14.78	16.00
5	256QAM	1	24	14.86	15.08	14.69	16.00
5	256QAM	12	0	15.06	15.12	14.84	16.00
5	256QAM	12	7	14.98	15.12	14.82	16.00
5	256QAM	12	13	15.08	15.14	14.78	16.00
5	256QAM	25	0	15.09	15.11	14.77	16.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 5_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.25	20.32	19.98	21.00
20	QPSK	1	49	20.02	19.89	19.48	21.00
20	QPSK	1	99	19.77	19.95	19.44	21.00
20	QPSK	50	0	19.11	19.24	18.75	20.00
20	QPSK	50	24	18.99	19.21	18.86	20.00
20	QPSK	50	50	19.06	19.07	18.83	20.00
20	QPSK	100	0	19.14	19.12	18.70	20.00
20	16QAM	1	0	18.96	19.24	18.67	20.00
20	16QAM	1	49	19.00	19.14	18.66	20.00
20	16QAM	1	99	19.05	19.09	18.70	20.00
20	16QAM	50	0	18.11	18.24	17.73	19.00
20	16QAM	50	24	17.93	18.17	17.73	19.00
20	16QAM	50	50	17.99	18.10	17.82	19.00
20	16QAM	100	0	18.01	18.05	17.87	19.00
20	64QAM	1	0	17.94	18.28	17.75	19.00
20	64QAM	1	49	17.85	17.95	17.72	19.00
20	64QAM	1	99	17.87	17.96	17.52	19.00
20	64QAM	50	0	17.16	17.13	16.84	18.00
20	64QAM	50	24	16.99	17.21	16.66	18.00
20	64QAM	50	50	16.97	17.09	16.81	18.00
20	64QAM	100	0	17.12	17.03	16.69	18.00
20	256QAM	1	0	15.08	15.20	14.88	16.00
20	256QAM	1	49	14.80	14.99	14.63	16.00
20	256QAM	1	99	14.95	14.96	14.80	16.00
20	256QAM	50	0	15.01	15.16	14.70	16.00
20	256QAM	50	24	14.88	15.06	14.84	16.00
20	256QAM	50	50	15.12	15.04	14.69	16.00
20	256QAM	100	0	15.02	14.96	14.83	16.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.20	20.24	19.91	21.00
15	QPSK	1	37	19.97	19.82	19.41	21.00
15	QPSK	1	74	19.64	19.85	19.43	21.00
15	QPSK	36	0	19.00	19.16	18.64	20.00
15	QPSK	36	20	18.94	19.19	18.74	20.00
15	QPSK	36	39	19.02	19.01	18.71	20.00
15	QPSK	75	0	19.11	18.98	18.67	20.00
15	16QAM	1	0	18.82	19.15	18.60	20.00
15	16QAM	1	37	18.95	19.12	18.57	20.00
15	16QAM	1	74	18.96	19.07	18.59	20.00
15	16QAM	36	0	18.04	18.23	17.68	19.00
15	16QAM	36	20	17.88	18.08	17.71	19.00
15	16QAM	36	39	17.90	18.04	17.76	19.00
15	16QAM	75	0	18.00	17.92	17.79	19.00
15	64QAM	1	0	17.87	18.21	17.70	19.00
15	64QAM	1	37	17.71	17.93	17.66	19.00
15	64QAM	1	74	17.80	17.87	17.50	19.00
15	64QAM	36	0	17.14	17.08	16.79	18.00
15	64QAM	36	20	16.91	17.14	16.64	18.00
15	64QAM	36	39	16.83	17.07	16.68	18.00
15	64QAM	75	0	17.00	16.94	16.61	18.00
15	256QAM	1	0	14.97	15.06	14.79	16.00
15	256QAM	1	37	14.70	14.90	14.57	16.00
15	256QAM	1	74	14.89	14.83	14.76	16.00
15	256QAM	36	0	14.96	15.11	14.61	16.00
15	256QAM	36	20	14.74	14.92	14.77	16.00
15	256QAM	36	39	14.99	15.01	14.60	16.00



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15	256QAM	75	0	14.89	14.93	14.75	16.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.10	20.31	19.86	21.00
10	QPSK	1	25	19.99	19.83	19.33	21.00
10	QPSK	1	49	19.63	19.92	19.35	21.00
10	QPSK	25	0	19.05	19.15	18.65	20.00
10	QPSK	25	12	18.93	19.11	18.73	20.00
10	QPSK	25	25	19.03	18.92	18.69	20.00
10	QPSK	50	0	19.04	19.10	18.57	20.00
10	16QAM	1	0	18.82	19.20	18.64	20.00
10	16QAM	1	25	18.92	19.01	18.53	20.00
10	16QAM	1	49	18.94	19.08	18.64	20.00
10	16QAM	25	0	18.05	18.18	17.63	19.00
10	16QAM	25	12	17.84	18.10	17.59	19.00
10	16QAM	25	25	17.85	18.05	17.72	19.00
10	16QAM	50	0	17.95	17.95	17.74	19.00
10	64QAM	1	0	17.83	18.22	17.70	19.00
10	64QAM	1	25	17.80	17.88	17.57	19.00
10	64QAM	1	49	17.79	17.85	17.45	19.00
10	64QAM	25	0	17.07	17.10	16.77	18.00
10	64QAM	25	12	16.92	17.11	16.61	18.00
10	64QAM	25	25	16.95	17.04	16.80	18.00
10	64QAM	50	0	17.09	16.92	16.56	18.00
10	256QAM	1	0	14.93	15.18	14.85	16.00
10	256QAM	1	25	14.67	14.94	14.56	16.00
10	256QAM	1	49	14.88	14.92	14.77	16.00
10	256QAM	25	0	14.88	15.06	14.58	16.00
10	256QAM	25	12	14.80	14.92	14.71	16.00
10	256QAM	25	25	15.07	15.01	14.66	16.00
10	256QAM	50	0	14.93	14.90	14.79	16.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.24	20.30	19.97	21.00
5	QPSK	1	12	19.89	19.78	19.35	21.00
5	QPSK	1	24	19.71	19.91	19.36	21.00
5	QPSK	12	0	19.10	19.18	18.64	20.00
5	QPSK	12	7	18.86	19.19	18.81	20.00
5	QPSK	12	13	18.93	18.92	18.72	20.00
5	QPSK	25	0	19.04	19.05	18.68	20.00
5	16QAM	1	0	18.90	19.20	18.63	20.00
5	16QAM	1	12	18.91	19.02	18.54	20.00
5	16QAM	1	24	18.94	19.02	18.60	20.00
5	16QAM	12	0	17.99	18.18	17.62	19.00
5	16QAM	12	7	17.83	18.16	17.63	19.00
5	16QAM	12	13	17.86	17.98	17.80	19.00
5	16QAM	25	0	17.95	17.94	17.75	19.00
5	64QAM	1	0	17.82	18.17	17.62	19.00
5	64QAM	1	12	17.75	17.88	17.68	19.00
5	64QAM	1	24	17.74	17.92	17.41	19.00
5	64QAM	12	0	17.15	16.99	16.74	18.00
5	64QAM	12	7	16.97	17.09	16.52	18.00
5	64QAM	12	13	16.87	16.95	16.67	18.00
5	64QAM	25	0	17.07	16.89	16.55	18.00
5	256QAM	1	0	14.95	15.17	14.77	16.00
5	256QAM	1	12	14.72	14.92	14.48	16.00
5	256QAM	1	24	14.86	14.93	14.70	16.00
5	256QAM	12	0	14.89	15.14	14.67	16.00
5	256QAM	12	7	14.86	14.97	14.70	16.00
5	256QAM	12	13	15.10	15.02	14.62	16.00
5	256QAM	25	0	14.98	14.93	14.79	16.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.51	20.53	20.18	21.00
20	QPSK	1	49	20.02	20.10	19.67	21.00
20	QPSK	1	99	19.97	20.01	19.61	21.00
20	QPSK	50	0	19.22	19.29	18.81	20.00
20	QPSK	50	24	19.19	19.27	18.92	20.00



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20	QPSK	50	50	19.12	19.21	18.82	20.00
20	QPSK	100	0	19.18	19.23	18.89	20.00
20	16QAM	1	0	19.12	19.24	18.78	20.00
20	16QAM	1	49	19.07	19.15	18.71	20.00
20	16QAM	1	99	19.08	19.18	18.78	20.00
20	16QAM	50	0	18.21	18.27	17.87	19.00
20	16QAM	50	24	18.12	18.26	17.80	19.00
20	16QAM	50	50	18.14	18.22	17.82	19.00
20	16QAM	100	0	18.16	18.26	17.85	19.00
20	64QAM	1	0	18.13	18.28	17.95	19.00
20	64QAM	1	49	18.01	18.09	17.76	19.00
20	64QAM	1	99	17.96	18.10	17.73	19.00
20	64QAM	50	0	17.24	17.27	16.89	18.00
20	64QAM	50	24	17.12	17.23	16.88	18.00
20	64QAM	50	50	17.10	17.22	16.83	18.00
20	64QAM	100	0	17.11	17.24	16.85	18.00
20	256QAM	1	0	15.10	15.22	14.90	16.00
20	256QAM	1	49	14.96	15.12	14.83	16.00
20	256QAM	1	99	14.99	15.14	14.80	16.00
20	256QAM	50	0	15.18	15.24	14.87	16.00
20	256QAM	50	24	15.07	15.16	14.83	16.00
20	256QAM	50	50	15.11	15.15	14.86	16.00
20	256QAM	100	0	15.13	15.18	14.84	16.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	20.43	20.49	20.10	21.00
15	QPSK	1	37	19.99	20.07	19.54	21.00
15	QPSK	1	74	19.86	19.95	19.56	21.00
15	QPSK	36	0	19.08	19.20	18.67	20.00
15	QPSK	36	20	19.08	19.18	18.88	20.00
15	QPSK	36	39	19.08	19.18	18.75	20.00
15	QPSK	75	0	19.13	19.16	18.74	20.00
15	16QAM	1	0	19.03	19.10	18.66	20.00
15	16QAM	1	37	18.96	19.12	18.61	20.00
15	16QAM	1	74	18.98	19.05	18.69	20.00
15	16QAM	36	0	18.18	18.14	17.85	19.00
15	16QAM	36	20	17.98	18.18	17.78	19.00
15	16QAM	36	39	18.01	18.15	17.71	19.00
15	16QAM	75	0	18.02	18.17	17.84	19.00
15	64QAM	1	0	18.05	18.19	17.86	19.00
15	64QAM	1	37	17.87	18.00	17.63	19.00
15	64QAM	1	74	17.83	18.03	17.67	19.00
15	64QAM	36	0	17.17	17.13	16.87	18.00
15	64QAM	36	20	17.00	17.11	16.77	18.00
15	64QAM	36	39	16.99	17.07	16.79	18.00
15	64QAM	75	0	17.09	17.13	16.83	18.00
15	256QAM	1	0	15.05	15.09	14.78	16.00
15	256QAM	1	37	14.88	15.00	14.69	16.00
15	256QAM	1	74	14.90	15.10	14.71	16.00
15	256QAM	36	0	15.13	15.10	14.82	16.00
15	256QAM	36	20	14.99	15.07	14.69	16.00
15	256QAM	36	39	15.02	15.14	14.76	16.00
15	256QAM	75	0	15.01	15.11	14.77	16.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.46	20.46	20.10	21.00
10	QPSK	1	25	20.01	19.98	19.54	21.00
10	QPSK	1	49	19.85	19.99	19.50	21.00
10	QPSK	25	0	19.15	19.17	18.71	20.00
10	QPSK	25	12	19.06	19.15	18.85	20.00
10	QPSK	25	25	18.98	19.18	18.68	20.00
10	QPSK	50	0	19.11	19.17	18.81	20.00
10	16QAM	1	0	19.09	19.13	18.66	20.00
10	16QAM	1	25	18.98	19.12	18.68	20.00
10	16QAM	1	49	19.02	19.13	18.71	20.00
10	16QAM	25	0	18.13	18.23	17.80	19.00
10	16QAM	25	12	18.07	18.13	17.67	19.00
10	16QAM	25	25	18.00	18.16	17.72	19.00
10	16QAM	50	0	18.12	18.19	17.77	19.00
10	64QAM	1	0	18.10	18.15	17.89	19.00
10	64QAM	1	25	17.96	18.06	17.65	19.00
10	64QAM	1	49	17.84	17.96	17.65	19.00
10	64QAM	25	0	17.17	17.13	16.85	18.00
10	64QAM	25	12	17.09	17.22	16.86	18.00
10	64QAM	25	25	17.07	17.17	16.73	18.00
10	64QAM	50	0	17.03	17.21	16.72	18.00
10	256QAM	1	0	14.97	15.19	14.82	16.00
10	256QAM	1	25	14.87	15.05	14.79	16.00



10	256QAM	1	49	14.92	15.03	14.75	16.00
10	256QAM	25	0	15.09	15.16	14.81	16.00
10	256QAM	25	12	15.03	15.09	14.82	16.00
10	256QAM	25	25	15.00	15.04	14.80	16.00
10	256QAM	50	0	15.06	15.11	14.80	16.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	20.50	20.40	20.12	21.00
5	QPSK	1	12	19.96	20.01	19.65	21.00
5	QPSK	1	24	19.91	19.87	19.51	21.00
5	QPSK	12	0	19.20	19.27	18.71	20.00
5	QPSK	12	7	19.04	19.22	18.89	20.00
5	QPSK	12	13	19.01	19.19	18.80	20.00
5	QPSK	25	0	19.13	19.10	18.80	20.00
5	16QAM	1	0	18.99	19.14	18.66	20.00
5	16QAM	1	12	19.03	19.06	18.56	20.00
5	16QAM	1	24	18.93	19.07	18.72	20.00
5	16QAM	12	0	18.07	18.25	17.80	19.00
5	16QAM	12	7	18.10	18.13	17.73	19.00
5	16QAM	12	13	18.08	18.15	17.67	19.00
5	16QAM	25	0	18.09	18.20	17.71	19.00
5	64QAM	1	0	18.06	18.16	17.88	19.00
5	64QAM	1	12	17.93	18.06	17.74	19.00
5	64QAM	1	24	17.94	18.05	17.62	19.00
5	64QAM	12	0	17.10	17.16	16.85	18.00
5	64QAM	12	7	17.01	17.17	16.78	18.00
5	64QAM	12	13	17.08	17.14	16.76	18.00
5	64QAM	25	0	17.07	17.19	16.78	18.00
5	256QAM	1	0	15.04	15.16	14.87	16.00
5	256QAM	1	12	14.87	14.99	14.78	16.00
5	256QAM	1	24	14.86	15.08	14.69	16.00
5	256QAM	12	0	15.06	15.12	14.84	16.00
5	256QAM	12	7	14.98	15.12	14.82	16.00
5	256QAM	12	13	15.08	15.14	14.78	16.00
5	256QAM	25	0	15.09	15.11	14.77	16.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.25	20.32	19.98	21.00
20	QPSK	1	49	20.02	19.89	19.48	21.00
20	QPSK	1	99	19.77	19.95	19.44	21.00
20	QPSK	50	0	19.11	19.24	18.75	20.00
20	QPSK	50	24	18.99	19.21	18.86	20.00
20	QPSK	50	50	19.06	19.07	18.83	20.00
20	QPSK	100	0	19.14	19.12	18.70	20.00
20	16QAM	1	0	18.96	19.24	18.67	20.00
20	16QAM	1	49	19.00	19.14	18.66	20.00
20	16QAM	1	99	19.05	19.09	18.70	20.00
20	16QAM	50	0	18.11	18.24	17.73	19.00
20	16QAM	50	24	17.93	18.17	17.73	19.00
20	16QAM	50	50	17.99	18.10	17.82	19.00
20	16QAM	100	0	18.01	18.05	17.87	19.00
20	64QAM	1	0	17.94	18.28	17.75	19.00
20	64QAM	1	49	17.85	17.95	17.72	19.00
20	64QAM	1	99	17.87	17.96	17.52	19.00
20	64QAM	50	0	17.16	17.13	16.84	18.00
20	64QAM	50	24	16.99	17.21	16.66	18.00
20	64QAM	50	50	16.97	17.09	16.81	18.00
20	64QAM	100	0	17.12	17.03	16.69	18.00
20	256QAM	1	0	15.08	15.20	14.88	16.00
20	256QAM	1	49	14.80	14.99	14.63	16.00
20	256QAM	1	99	14.95	14.96	14.80	16.00
20	256QAM	50	0	15.01	15.16	14.70	16.00
20	256QAM	50	24	14.88	15.06	14.84	16.00
20	256QAM	50	50	15.12	15.04	14.69	16.00
20	256QAM	100	0	15.02	14.96	14.83	16.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.20	20.24	19.91	21.00



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15	QPSK	1	37	19.97	19.82	19.41	21.00
15	QPSK	1	74	19.64	19.85	19.43	21.00
15	QPSK	36	0	19.00	19.16	18.64	20.00
15	QPSK	36	20	18.94	19.19	18.74	20.00
15	QPSK	36	39	19.02	19.01	18.71	20.00
15	QPSK	75	0	19.11	18.98	18.67	20.00
15	16QAM	1	0	18.82	19.15	18.60	20.00
15	16QAM	1	37	18.95	19.12	18.57	20.00
15	16QAM	1	74	18.96	19.07	18.59	20.00
15	16QAM	36	0	18.04	18.23	17.68	19.00
15	16QAM	36	20	17.88	18.08	17.71	19.00
15	16QAM	36	39	17.90	18.04	17.76	19.00
15	16QAM	75	0	18.00	17.92	17.79	19.00
15	64QAM	1	0	17.87	18.21	17.70	19.00
15	64QAM	1	37	17.71	17.93	17.66	19.00
15	64QAM	1	74	17.80	17.87	17.50	19.00
15	64QAM	36	0	17.14	17.08	16.79	18.00
15	64QAM	36	20	16.91	17.14	16.64	18.00
15	64QAM	36	39	16.83	17.07	16.68	18.00
15	64QAM	75	0	17.00	16.94	16.61	18.00
15	256QAM	1	0	14.97	15.06	14.79	16.00
15	256QAM	1	37	14.70	14.90	14.57	16.00
15	256QAM	1	74	14.89	14.83	14.76	16.00
15	256QAM	36	0	14.96	15.11	14.61	16.00
15	256QAM	36	20	14.74	14.92	14.77	16.00
15	256QAM	36	39	14.99	15.01	14.60	16.00
15	256QAM	75	0	14.89	14.93	14.75	16.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.10	20.31	19.86	21.00
10	QPSK	1	25	19.99	19.83	19.33	21.00
10	QPSK	1	49	19.63	19.92	19.35	21.00
10	QPSK	25	0	19.05	19.15	18.65	20.00
10	QPSK	25	12	18.93	19.11	18.73	20.00
10	QPSK	25	25	19.03	18.92	18.69	20.00
10	QPSK	50	0	19.04	19.10	18.57	20.00
10	16QAM	1	0	18.82	19.20	18.64	20.00
10	16QAM	1	25	18.92	19.01	18.53	20.00
10	16QAM	1	49	18.94	19.08	18.64	20.00
10	16QAM	25	0	18.05	18.18	17.63	19.00
10	16QAM	25	12	17.84	18.10	17.59	19.00
10	16QAM	25	25	17.85	18.05	17.72	19.00
10	16QAM	50	0	17.95	17.95	17.74	19.00
10	64QAM	1	0	17.83	18.22	17.70	19.00
10	64QAM	1	25	17.80	17.88	17.57	19.00
10	64QAM	1	49	17.79	17.85	17.45	19.00
10	64QAM	25	0	17.07	17.10	16.77	18.00
10	64QAM	25	12	16.92	17.11	16.61	18.00
10	64QAM	25	25	16.95	17.04	16.80	18.00
10	64QAM	50	0	17.09	16.92	16.56	18.00
10	256QAM	1	0	14.93	15.18	14.85	16.00
10	256QAM	1	25	14.67	14.94	14.56	16.00
10	256QAM	1	49	14.88	14.92	14.77	16.00
10	256QAM	25	0	14.88	15.06	14.58	16.00
10	256QAM	25	12	14.80	14.92	14.71	16.00
10	256QAM	25	25	15.07	15.01	14.66	16.00
10	256QAM	50	0	14.93	14.90	14.79	16.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.24	20.30	19.97	21.00
5	QPSK	1	12	19.89	19.78	19.35	21.00
5	QPSK	1	24	19.71	19.91	19.36	21.00
5	QPSK	12	0	19.10	19.18	18.64	20.00
5	QPSK	12	7	18.86	19.19	18.81	20.00
5	QPSK	12	13	18.93	18.92	18.72	20.00
5	QPSK	25	0	19.04	19.05	18.68	20.00
5	16QAM	1	0	18.90	19.20	18.63	20.00
5	16QAM	1	12	18.91	19.02	18.54	20.00
5	16QAM	1	24	18.94	19.02	18.60	20.00
5	16QAM	12	0	17.99	18.18	17.62	19.00
5	16QAM	12	7	17.83	18.16	17.63	19.00
5	16QAM	12	13	17.86	17.98	17.80	19.00
5	16QAM	25	0	17.95	17.94	17.75	19.00
5	64QAM	1	0	17.82	18.17	17.62	19.00
5	64QAM	1	12	17.75	17.88	17.68	19.00
5	64QAM	1	24	17.74	17.92	17.41	19.00
5	64QAM	12	0	17.15	16.99	16.74	18.00
5	64QAM	12	7	16.97	17.09	16.52	18.00



5	64QAM	12	13	16.87	16.95	16.67	18.00
5	64QAM	25	0	17.07	16.89	16.55	18.00
5	256QAM	1	0	14.95	15.17	14.77	16.00
5	256QAM	1	12	14.72	14.92	14.48	16.00
5	256QAM	1	24	14.86	14.93	14.70	16.00
5	256QAM	12	0	14.89	15.14	14.67	16.00
5	256QAM	12	7	14.86	14.97	14.70	16.00
5	256QAM	12	13	15.10	15.02	14.62	16.00
5	256QAM	25	0	14.98	14.93	14.79	16.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 5_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.51	20.53	20.18	21.00
20	QPSK	1	49	20.02	20.10	19.67	21.00
20	QPSK	1	99	19.97	20.01	19.61	21.00
20	QPSK	50	0	19.22	19.29	18.81	20.00
20	QPSK	50	24	19.19	19.27	18.92	20.00
20	QPSK	50	50	19.12	19.21	18.82	20.00
20	QPSK	100	0	19.18	19.23	18.89	20.00
20	16QAM	1	0	19.12	19.24	18.78	20.00
20	16QAM	1	49	19.07	19.15	18.71	20.00
20	16QAM	1	99	19.08	19.18	18.78	20.00
20	16QAM	50	0	18.21	18.27	17.87	19.00
20	16QAM	50	24	18.12	18.26	17.80	19.00
20	16QAM	50	50	18.14	18.22	17.82	19.00
20	16QAM	100	0	18.16	18.26	17.85	19.00
20	64QAM	1	0	18.13	18.28	17.95	19.00
20	64QAM	1	49	18.01	18.09	17.76	19.00
20	64QAM	1	99	17.96	18.10	17.73	19.00
20	64QAM	50	0	17.24	17.27	16.89	18.00
20	64QAM	50	24	17.12	17.23	16.88	18.00
20	64QAM	50	50	17.10	17.22	16.83	18.00
20	64QAM	100	0	17.11	17.24	16.85	18.00
20	256QAM	1	0	15.10	15.22	14.90	16.00
20	256QAM	1	49	14.96	15.12	14.83	16.00
20	256QAM	1	99	14.99	15.14	14.80	16.00
20	256QAM	50	0	15.18	15.24	14.87	16.00
20	256QAM	50	24	15.07	15.16	14.83	16.00
20	256QAM	50	50	15.11	15.15	14.86	16.00
20	256QAM	100	0	15.13	15.18	14.84	16.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.43	20.49	20.10	21.00
15	QPSK	1	37	19.99	20.07	19.54	21.00
15	QPSK	1	74	19.86	19.95	19.56	21.00
15	QPSK	36	0	19.08	19.20	18.67	20.00
15	QPSK	36	20	19.08	19.18	18.88	20.00
15	QPSK	36	39	19.08	19.18	18.75	20.00
15	QPSK	75	0	19.13	19.16	18.74	20.00
15	16QAM	1	0	19.03	19.10	18.66	20.00
15	16QAM	1	37	18.96	19.12	18.61	20.00
15	16QAM	1	74	18.98	19.05	18.69	20.00
15	16QAM	36	0	18.18	18.14	17.85	19.00
15	16QAM	36	20	17.98	18.18	17.78	19.00
15	16QAM	36	39	18.01	18.15	17.71	19.00
15	16QAM	75	0	18.02	18.17	17.84	19.00
15	64QAM	1	0	18.05	18.19	17.86	19.00
15	64QAM	1	37	17.87	18.00	17.63	19.00
15	64QAM	1	74	17.83	18.03	17.67	19.00
15	64QAM	36	0	17.17	17.13	16.87	18.00
15	64QAM	36	20	17.00	17.11	16.77	18.00
15	64QAM	36	39	16.99	17.07	16.79	18.00
15	64QAM	75	0	17.09	17.13	16.83	18.00
15	256QAM	1	0	15.05	15.09	14.78	16.00
15	256QAM	1	37	14.88	15.00	14.69	16.00
15	256QAM	1	74	14.90	15.10	14.71	16.00
15	256QAM	36	0	15.13	15.10	14.82	16.00
15	256QAM	36	20	14.99	15.07	14.69	16.00
15	256QAM	36	39	15.02	15.14	14.76	16.00



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15	256QAM	75	0	15.01	15.11	14.77	16.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.46	20.46	20.10	21.00
10	QPSK	1	25	20.01	19.98	19.54	21.00
10	QPSK	1	49	19.85	19.99	19.50	21.00
10	QPSK	25	0	19.15	19.17	18.71	20.00
10	QPSK	25	12	19.06	19.15	18.85	20.00
10	QPSK	25	25	18.98	19.18	18.68	20.00
10	QPSK	50	0	19.11	19.17	18.81	20.00
10	16QAM	1	0	19.09	19.13	18.66	20.00
10	16QAM	1	25	18.98	19.12	18.68	20.00
10	16QAM	1	49	19.02	19.13	18.71	20.00
10	16QAM	25	0	18.13	18.23	17.80	19.00
10	16QAM	25	12	18.07	18.13	17.67	19.00
10	16QAM	25	25	18.00	18.16	17.72	19.00
10	16QAM	50	0	18.12	18.19	17.77	19.00
10	64QAM	1	0	18.10	18.15	17.89	19.00
10	64QAM	1	25	17.96	18.06	17.65	19.00
10	64QAM	1	49	17.84	17.96	17.65	19.00
10	64QAM	25	0	17.17	17.13	16.85	18.00
10	64QAM	25	12	17.09	17.22	16.86	18.00
10	64QAM	25	25	17.07	17.17	16.73	18.00
10	64QAM	50	0	17.03	17.21	16.72	18.00
10	256QAM	1	0	14.97	15.19	14.82	16.00
10	256QAM	1	25	14.87	15.05	14.79	16.00
10	256QAM	1	49	14.92	15.03	14.75	16.00
10	256QAM	25	0	15.09	15.16	14.81	16.00
10	256QAM	25	12	15.03	15.09	14.82	16.00
10	256QAM	25	25	15.00	15.04	14.80	16.00
10	256QAM	50	0	15.06	15.11	14.80	16.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.50	20.40	20.12	21.00
5	QPSK	1	12	19.96	20.01	19.65	21.00
5	QPSK	1	24	19.91	19.87	19.51	21.00
5	QPSK	12	0	19.20	19.27	18.71	20.00
5	QPSK	12	7	19.04	19.22	18.89	20.00
5	QPSK	12	13	19.01	19.19	18.80	20.00
5	QPSK	25	0	19.13	19.10	18.80	20.00
5	16QAM	1	0	18.99	19.14	18.66	20.00
5	16QAM	1	12	19.03	19.06	18.56	20.00
5	16QAM	1	24	18.93	19.07	18.72	20.00
5	16QAM	12	0	18.07	18.25	17.80	19.00
5	16QAM	12	7	18.10	18.13	17.73	19.00
5	16QAM	12	13	18.08	18.15	17.67	19.00
5	16QAM	25	0	18.09	18.20	17.71	19.00
5	64QAM	1	0	18.06	18.16	17.88	19.00
5	64QAM	1	12	17.93	18.06	17.74	19.00
5	64QAM	1	24	17.94	18.05	17.62	19.00
5	64QAM	12	0	17.10	17.16	16.85	18.00
5	64QAM	12	7	17.01	17.17	16.78	18.00
5	64QAM	12	13	17.08	17.14	16.76	18.00
5	64QAM	25	0	17.07	17.19	16.78	18.00
5	256QAM	1	0	15.04	15.16	14.87	16.00
5	256QAM	1	12	14.87	14.99	14.78	16.00
5	256QAM	1	24	14.86	15.08	14.69	16.00
5	256QAM	12	0	15.06	15.12	14.84	16.00
5	256QAM	12	7	14.98	15.12	14.82	16.00
5	256QAM	12	13	15.08	15.14	14.78	16.00
5	256QAM	25	0	15.09	15.11	14.77	16.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 5_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.25	20.32	19.98	21.00
20	QPSK	1	49	20.02	19.89	19.48	21.00
20	QPSK	1	99	19.77	19.95	19.44	21.00
20	QPSK	50	0	19.11	19.24	18.75	20.00
20	QPSK	50	24	18.99	19.21	18.86	20.00



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20	QPSK	50	50	19.06	19.07	18.83	20.00
20	QPSK	100	0	19.14	19.12	18.70	20.00
20	16QAM	1	0	18.96	19.24	18.67	20.00
20	16QAM	1	49	19.00	19.14	18.66	20.00
20	16QAM	1	99	19.05	19.09	18.70	20.00
20	16QAM	50	0	18.11	18.24	17.73	19.00
20	16QAM	50	24	17.93	18.17	17.73	19.00
20	16QAM	50	50	17.99	18.10	17.82	19.00
20	16QAM	100	0	18.01	18.05	17.87	19.00
20	64QAM	1	0	17.94	18.28	17.75	19.00
20	64QAM	1	49	17.85	17.95	17.72	19.00
20	64QAM	1	99	17.87	17.96	17.52	19.00
20	64QAM	50	0	17.16	17.13	16.84	18.00
20	64QAM	50	24	16.99	17.21	16.66	18.00
20	64QAM	50	50	16.97	17.09	16.81	18.00
20	64QAM	100	0	17.12	17.03	16.69	18.00
20	256QAM	1	0	15.08	15.20	14.88	16.00
20	256QAM	1	49	14.80	14.99	14.63	16.00
20	256QAM	1	99	14.95	14.96	14.80	16.00
20	256QAM	50	0	15.01	15.16	14.70	16.00
20	256QAM	50	24	14.88	15.06	14.84	16.00
20	256QAM	50	50	15.12	15.04	14.69	16.00
20	256QAM	100	0	15.02	14.96	14.83	16.00
Channel				43165	43340	43515	Tune-up limit
Frequency (MHz)				3557.5	3575	3592.5	(dBm)
15	QPSK	1	0	20.20	20.24	19.91	21.00
15	QPSK	1	37	19.97	19.82	19.41	21.00
15	QPSK	1	74	19.64	19.85	19.43	21.00
15	QPSK	36	0	19.00	19.16	18.64	20.00
15	QPSK	36	20	18.94	19.19	18.74	20.00
15	QPSK	36	39	19.02	19.01	18.71	20.00
15	QPSK	75	0	19.11	18.98	18.67	20.00
15	16QAM	1	0	18.82	19.15	18.60	20.00
15	16QAM	1	37	18.95	19.12	18.57	20.00
15	16QAM	1	74	18.96	19.07	18.59	20.00
15	16QAM	36	0	18.04	18.23	17.68	19.00
15	16QAM	36	20	17.88	18.08	17.71	19.00
15	16QAM	36	39	17.90	18.04	17.76	19.00
15	16QAM	75	0	18.00	17.92	17.79	19.00
15	64QAM	1	0	17.87	18.21	17.70	19.00
15	64QAM	1	37	17.71	17.93	17.66	19.00
15	64QAM	1	74	17.80	17.87	17.50	19.00
15	64QAM	36	0	17.14	17.08	16.79	18.00
15	64QAM	36	20	16.91	17.14	16.64	18.00
15	64QAM	36	39	16.83	17.07	16.68	18.00
15	64QAM	75	0	17.00	16.94	16.61	18.00
15	256QAM	1	0	14.97	15.06	14.79	16.00
15	256QAM	1	37	14.70	14.90	14.57	16.00
15	256QAM	1	74	14.89	14.83	14.76	16.00
15	256QAM	36	0	14.96	15.11	14.61	16.00
15	256QAM	36	20	14.74	14.92	14.77	16.00
15	256QAM	36	39	14.99	15.01	14.60	16.00
15	256QAM	75	0	14.89	14.93	14.75	16.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.10	20.31	19.86	21.00
10	QPSK	1	25	19.99	19.83	19.33	21.00
10	QPSK	1	49	19.63	19.92	19.35	21.00
10	QPSK	25	0	19.05	19.15	18.65	20.00
10	QPSK	25	12	18.93	19.11	18.73	20.00
10	QPSK	25	25	19.03	18.92	18.69	20.00
10	QPSK	50	0	19.04	19.10	18.57	20.00
10	16QAM	1	0	18.82	19.20	18.64	20.00
10	16QAM	1	25	18.92	19.01	18.53	20.00
10	16QAM	1	49	18.94	19.08	18.64	20.00
10	16QAM	25	0	18.05	18.18	17.63	19.00
10	16QAM	25	12	17.84	18.10	17.59	19.00
10	16QAM	25	25	17.85	18.05	17.72	19.00
10	16QAM	50	0	17.95	17.95	17.74	19.00
10	64QAM	1	0	17.83	18.22	17.70	19.00
10	64QAM	1	25	17.80	17.88	17.57	19.00
10	64QAM	1	49	17.79	17.85	17.45	19.00
10	64QAM	25	0	17.07	17.10	16.77	18.00
10	64QAM	25	12	16.92	17.11	16.61	18.00
10	64QAM	25	25	16.95	17.04	16.80	18.00
10	64QAM	50	0	17.09	16.92	16.56	18.00
10	256QAM	1	0	14.93	15.18	14.85	16.00
10	256QAM	1	25	14.67	14.94	14.56	16.00



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10	256QAM	1	49	14.88	14.92	14.77	16.00
10	256QAM	25	0	14.88	15.06	14.58	16.00
10	256QAM	25	12	14.80	14.92	14.71	16.00
10	256QAM	25	25	15.07	15.01	14.66	16.00
10	256QAM	50	0	14.93	14.90	14.79	16.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	20.24	20.30	19.97	21.00
5	QPSK	1	12	19.89	19.78	19.35	21.00
5	QPSK	1	24	19.71	19.91	19.36	21.00
5	QPSK	12	0	19.10	19.18	18.64	20.00
5	QPSK	12	7	18.86	19.19	18.81	20.00
5	QPSK	12	13	18.93	18.92	18.72	20.00
5	QPSK	25	0	19.04	19.05	18.68	20.00
5	16QAM	1	0	18.90	19.20	18.63	20.00
5	16QAM	1	12	18.91	19.02	18.54	20.00
5	16QAM	1	24	18.94	19.02	18.60	20.00
5	16QAM	12	0	17.99	18.18	17.62	19.00
5	16QAM	12	7	17.83	18.16	17.63	19.00
5	16QAM	12	13	17.86	17.98	17.80	19.00
5	16QAM	25	0	17.95	17.94	17.75	19.00
5	64QAM	1	0	17.82	18.17	17.62	19.00
5	64QAM	1	12	17.75	17.88	17.68	19.00
5	64QAM	1	24	17.74	17.92	17.41	19.00
5	64QAM	12	0	17.15	16.99	16.74	18.00
5	64QAM	12	7	16.97	17.09	16.52	18.00
5	64QAM	12	13	16.87	16.95	16.67	18.00
5	64QAM	25	0	17.07	16.89	16.55	18.00
5	256QAM	1	0	14.95	15.17	14.77	16.00
5	256QAM	1	12	14.72	14.92	14.48	16.00
5	256QAM	1	24	14.86	14.93	14.70	16.00
5	256QAM	12	0	14.89	15.14	14.67	16.00
5	256QAM	12	7	14.86	14.97	14.70	16.00
5	256QAM	12	13	15.10	15.02	14.62	16.00
5	256QAM	25	0	14.98	14.93	14.79	16.00

【LTE Band 42 (27Q)_FCC_Part 27Q (3450~3550MHz)_Ant 5_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	20.51	20.53	20.18	21.00
20	QPSK	1	49	20.02	20.10	19.67	21.00
20	QPSK	1	99	19.97	20.01	19.61	21.00
20	QPSK	50	0	19.22	19.29	18.81	20.00
20	QPSK	50	24	19.19	19.27	18.92	20.00
20	QPSK	50	50	19.12	19.21	18.82	20.00
20	QPSK	100	0	19.18	19.23	18.89	20.00
20	16QAM	1	0	19.12	19.24	18.78	20.00
20	16QAM	1	49	19.07	19.15	18.71	20.00
20	16QAM	1	99	19.08	19.18	18.78	20.00
20	16QAM	50	0	18.21	18.27	17.87	19.00
20	16QAM	50	24	18.12	18.26	17.80	19.00
20	16QAM	50	50	18.14	18.22	17.82	19.00
20	16QAM	100	0	18.16	18.26	17.85	19.00
20	64QAM	1	0	18.13	18.28	17.95	19.00
20	64QAM	1	49	18.01	18.09	17.76	19.00
20	64QAM	1	99	17.96	18.10	17.73	19.00
20	64QAM	50	0	17.24	17.27	16.89	18.00
20	64QAM	50	24	17.12	17.23	16.88	18.00
20	64QAM	50	50	17.10	17.22	16.83	18.00
20	64QAM	100	0	17.11	17.24	16.85	18.00
20	256QAM	1	0	15.10	15.22	14.90	16.00
20	256QAM	1	49	14.96	15.12	14.83	16.00
20	256QAM	1	99	14.99	15.14	14.80	16.00
20	256QAM	50	0	15.18	15.24	14.87	16.00
20	256QAM	50	24	15.07	15.16	14.83	16.00
20	256QAM	50	50	15.11	15.15	14.86	16.00
20	256QAM	100	0	15.13	15.18	14.84	16.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.43	20.49	20.10	21.00



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15	QPSK	1	37	19.99	20.07	19.54	21.00
15	QPSK	1	74	19.86	19.95	19.56	21.00
15	QPSK	36	0	19.08	19.20	18.67	20.00
15	QPSK	36	20	19.08	19.18	18.88	20.00
15	QPSK	36	39	19.08	19.18	18.75	20.00
15	QPSK	75	0	19.13	19.16	18.74	20.00
15	16QAM	1	0	19.03	19.10	18.66	20.00
15	16QAM	1	37	18.96	19.12	18.61	20.00
15	16QAM	1	74	18.98	19.05	18.69	20.00
15	16QAM	36	0	18.18	18.14	17.85	19.00
15	16QAM	36	20	17.98	18.18	17.78	19.00
15	16QAM	36	39	18.01	18.15	17.71	19.00
15	16QAM	75	0	18.02	18.17	17.84	19.00
15	64QAM	1	0	18.05	18.19	17.86	19.00
15	64QAM	1	37	17.87	18.00	17.63	19.00
15	64QAM	1	74	17.83	18.03	17.67	19.00
15	64QAM	36	0	17.17	17.13	16.87	18.00
15	64QAM	36	20	17.00	17.11	16.77	18.00
15	64QAM	36	39	16.99	17.07	16.79	18.00
15	64QAM	75	0	17.09	17.13	16.83	18.00
15	256QAM	1	0	15.05	15.09	14.78	16.00
15	256QAM	1	37	14.88	15.00	14.69	16.00
15	256QAM	1	74	14.90	15.10	14.71	16.00
15	256QAM	36	0	15.13	15.10	14.82	16.00
15	256QAM	36	20	14.99	15.07	14.69	16.00
15	256QAM	36	39	15.02	15.14	14.76	16.00
15	256QAM	75	0	15.01	15.11	14.77	16.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	20.46	20.46	20.10	21.00
10	QPSK	1	25	20.01	19.98	19.54	21.00
10	QPSK	1	49	19.85	19.99	19.50	21.00
10	QPSK	25	0	19.15	19.17	18.71	20.00
10	QPSK	25	12	19.06	19.15	18.85	20.00
10	QPSK	25	25	18.98	19.18	18.68	20.00
10	QPSK	50	0	19.11	19.17	18.81	20.00
10	16QAM	1	0	19.09	19.13	18.66	20.00
10	16QAM	1	25	18.98	19.12	18.68	20.00
10	16QAM	1	49	19.02	19.13	18.71	20.00
10	16QAM	25	0	18.13	18.23	17.80	19.00
10	16QAM	25	12	18.07	18.13	17.67	19.00
10	16QAM	25	25	18.00	18.16	17.72	19.00
10	16QAM	50	0	18.12	18.19	17.77	19.00
10	64QAM	1	0	18.10	18.15	17.89	19.00
10	64QAM	1	25	17.96	18.06	17.65	19.00
10	64QAM	1	49	17.84	17.96	17.65	19.00
10	64QAM	25	0	17.17	17.13	16.85	18.00
10	64QAM	25	12	17.09	17.22	16.86	18.00
10	64QAM	25	25	17.07	17.17	16.73	18.00
10	64QAM	50	0	17.03	17.21	16.72	18.00
10	256QAM	1	0	14.97	15.19	14.82	16.00
10	256QAM	1	25	14.87	15.05	14.79	16.00
10	256QAM	1	49	14.92	15.03	14.75	16.00
10	256QAM	25	0	15.09	15.16	14.81	16.00
10	256QAM	25	12	15.03	15.09	14.82	16.00
10	256QAM	25	25	15.00	15.04	14.80	16.00
10	256QAM	50	0	15.06	15.11	14.80	16.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	20.50	20.40	20.12	21.00
5	QPSK	1	12	19.96	20.01	19.65	21.00
5	QPSK	1	24	19.91	19.87	19.51	21.00
5	QPSK	12	0	19.20	19.27	18.71	20.00
5	QPSK	12	7	19.04	19.22	18.89	20.00
5	QPSK	12	13	19.01	19.19	18.80	20.00
5	QPSK	25	0	19.13	19.10	18.80	20.00
5	16QAM	1	0	18.99	19.14	18.66	20.00
5	16QAM	1	12	19.03	19.06	18.56	20.00
5	16QAM	1	24	18.93	19.07	18.72	20.00
5	16QAM	12	0	18.07	18.25	17.80	19.00
5	16QAM	12	7	18.10	18.13	17.73	19.00
5	16QAM	12	13	18.08	18.15	17.67	19.00
5	16QAM	25	0	18.09	18.20	17.71	19.00
5	64QAM	1	0	18.06	18.16	17.88	19.00
5	64QAM	1	12	17.93	18.06	17.74	19.00
5	64QAM	1	24	17.94	18.05	17.62	19.00
5	64QAM	12	0	17.10	17.16	16.85	18.00
5	64QAM	12	7	17.01	17.17	16.78	18.00



5	64QAM	12	13	17.08	17.14	16.76	18.00
5	64QAM	25	0	17.07	17.19	16.78	18.00
5	256QAM	1	0	15.04	15.16	14.87	16.00
5	256QAM	1	12	14.87	14.99	14.78	16.00
5	256QAM	1	24	14.86	15.08	14.69	16.00
5	256QAM	12	0	15.06	15.12	14.84	16.00
5	256QAM	12	7	14.98	15.12	14.82	16.00
5	256QAM	12	13	15.08	15.14	14.78	16.00
5	256QAM	25	0	15.09	15.11	14.77	16.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 5_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	20.25	20.32	19.98	21.00
20	QPSK	1	49	20.02	19.89	19.48	21.00
20	QPSK	1	99	19.77	19.95	19.44	21.00
20	QPSK	50	0	19.11	19.24	18.75	20.00
20	QPSK	50	24	18.99	19.21	18.86	20.00
20	QPSK	50	50	19.06	19.07	18.83	20.00
20	QPSK	100	0	19.14	19.12	18.70	20.00
20	16QAM	1	0	18.96	19.24	18.67	20.00
20	16QAM	1	49	19.00	19.14	18.66	20.00
20	16QAM	1	99	19.05	19.09	18.70	20.00
20	16QAM	50	0	18.11	18.24	17.73	19.00
20	16QAM	50	24	17.93	18.17	17.73	19.00
20	16QAM	50	50	17.99	18.10	17.82	19.00
20	16QAM	100	0	18.01	18.05	17.87	19.00
20	64QAM	1	0	17.94	18.28	17.75	19.00
20	64QAM	1	49	17.85	17.95	17.72	19.00
20	64QAM	1	99	17.87	17.96	17.52	19.00
20	64QAM	50	0	17.16	17.13	16.84	18.00
20	64QAM	50	24	16.99	17.21	16.66	18.00
20	64QAM	50	50	16.97	17.09	16.81	18.00
20	64QAM	100	0	17.12	17.03	16.69	18.00
20	256QAM	1	0	15.08	15.20	14.88	16.00
20	256QAM	1	49	14.80	14.99	14.63	16.00
20	256QAM	1	99	14.95	14.96	14.80	16.00
20	256QAM	50	0	15.01	15.16	14.70	16.00
20	256QAM	50	24	14.88	15.06	14.84	16.00
20	256QAM	50	50	15.12	15.04	14.69	16.00
20	256QAM	100	0	15.02	14.96	14.83	16.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	20.20	20.24	19.91	21.00
15	QPSK	1	37	19.97	19.82	19.41	21.00
15	QPSK	1	74	19.64	19.85	19.43	21.00
15	QPSK	36	0	19.00	19.16	18.64	20.00
15	QPSK	36	20	18.94	19.19	18.74	20.00
15	QPSK	36	39	19.02	19.01	18.71	20.00
15	QPSK	75	0	19.11	18.98	18.67	20.00
15	16QAM	1	0	18.82	19.15	18.60	20.00
15	16QAM	1	37	18.95	19.12	18.57	20.00
15	16QAM	1	74	18.96	19.07	18.59	20.00
15	16QAM	36	0	18.04	18.23	17.68	19.00
15	16QAM	36	20	17.88	18.08	17.71	19.00
15	16QAM	36	39	17.90	18.04	17.76	19.00
15	16QAM	75	0	18.00	17.92	17.79	19.00
15	64QAM	1	0	17.87	18.21	17.70	19.00
15	64QAM	1	37	17.71	17.93	17.66	19.00
15	64QAM	1	74	17.80	17.87	17.50	19.00
15	64QAM	36	0	17.14	17.08	16.79	18.00
15	64QAM	36	20	16.91	17.14	16.64	18.00
15	64QAM	36	39	16.83	17.07	16.68	18.00
15	64QAM	75	0	17.00	16.94	16.61	18.00
15	256QAM	1	0	14.97	15.06	14.79	16.00
15	256QAM	1	37	14.70	14.90	14.57	16.00
15	256QAM	1	74	14.89	14.83	14.76	16.00
15	256QAM	36	0	14.96	15.11	14.61	16.00
15	256QAM	36	20	14.74	14.92	14.77	16.00
15	256QAM	36	39	14.99	15.01	14.60	16.00



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15	256QAM	75	0	14.89	14.93	14.75	16.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	20.10	20.31	19.86	21.00
10	QPSK	1	25	19.99	19.83	19.33	21.00
10	QPSK	1	49	19.63	19.92	19.35	21.00
10	QPSK	25	0	19.05	19.15	18.65	20.00
10	QPSK	25	12	18.93	19.11	18.73	20.00
10	QPSK	25	25	19.03	18.92	18.69	20.00
10	QPSK	50	0	19.04	19.10	18.57	20.00
10	16QAM	1	0	18.82	19.20	18.64	20.00
10	16QAM	1	25	18.92	19.01	18.53	20.00
10	16QAM	1	49	18.94	19.08	18.64	20.00
10	16QAM	25	0	18.05	18.18	17.63	19.00
10	16QAM	25	12	17.84	18.10	17.59	19.00
10	16QAM	25	25	17.85	18.05	17.72	19.00
10	16QAM	50	0	17.95	17.95	17.74	19.00
10	64QAM	1	0	17.83	18.22	17.70	19.00
10	64QAM	1	25	17.80	17.88	17.57	19.00
10	64QAM	1	49	17.79	17.85	17.45	19.00
10	64QAM	25	0	17.07	17.10	16.77	18.00
10	64QAM	25	12	16.92	17.11	16.61	18.00
10	64QAM	25	25	16.95	17.04	16.80	18.00
10	64QAM	50	0	17.09	16.92	16.56	18.00
10	256QAM	1	0	14.93	15.18	14.85	16.00
10	256QAM	1	25	14.67	14.94	14.56	16.00
10	256QAM	1	49	14.88	14.92	14.77	16.00
10	256QAM	25	0	14.88	15.06	14.58	16.00
10	256QAM	25	12	14.80	14.92	14.71	16.00
10	256QAM	25	25	15.07	15.01	14.66	16.00
10	256QAM	50	0	14.93	14.90	14.79	16.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	20.24	20.30	19.97	21.00
5	QPSK	1	12	19.89	19.78	19.35	21.00
5	QPSK	1	24	19.71	19.91	19.36	21.00
5	QPSK	12	0	19.10	19.18	18.64	20.00
5	QPSK	12	7	18.86	19.19	18.81	20.00
5	QPSK	12	13	18.93	18.92	18.72	20.00
5	QPSK	25	0	19.04	19.05	18.68	20.00
5	16QAM	1	0	18.90	19.20	18.63	20.00
5	16QAM	1	12	18.91	19.02	18.54	20.00
5	16QAM	1	24	18.94	19.02	18.60	20.00
5	16QAM	12	0	17.99	18.18	17.62	19.00
5	16QAM	12	7	17.83	18.16	17.63	19.00
5	16QAM	12	13	17.86	17.98	17.80	19.00
5	16QAM	25	0	17.95	17.94	17.75	19.00
5	64QAM	1	0	17.82	18.17	17.62	19.00
5	64QAM	1	12	17.75	17.88	17.68	19.00
5	64QAM	1	24	17.74	17.92	17.41	19.00
5	64QAM	12	0	17.15	16.99	16.74	18.00
5	64QAM	12	7	16.97	17.09	16.52	18.00
5	64QAM	12	13	16.87	16.95	16.67	18.00
5	64QAM	25	0	17.07	16.89	16.55	18.00
5	256QAM	1	0	14.95	15.17	14.77	16.00
5	256QAM	1	12	14.72	14.92	14.48	16.00
5	256QAM	1	24	14.86	14.93	14.70	16.00
5	256QAM	12	0	14.89	15.14	14.67	16.00
5	256QAM	12	7	14.86	14.97	14.70	16.00
5	256QAM	12	13	15.10	15.02	14.62	16.00
5	256QAM	25	0	14.98	14.93	14.79	16.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.64	22.85	22.81	24.00
20	QPSK	1	49	22.50	22.72	22.59	24.00
20	QPSK	1	99	22.58	22.82	22.74	24.00
20	QPSK	50	0	21.65	21.90	21.75	23.00
20	QPSK	50	24	21.52	21.82	21.69	23.00



20	QPSK	50	50	21.62	21.84	21.70	23.00
20	QPSK	100	0	21.57	21.79	21.68	23.00
20	16QAM	1	0	21.50	21.56	21.51	23.00
20	16QAM	1	49	21.50	21.67	21.50	23.00
20	16QAM	1	99	21.75	21.96	21.80	23.00
20	16QAM	50	0	20.50	20.76	20.62	22.00
20	16QAM	50	24	20.58	20.87	20.81	22.00
20	16QAM	50	50	20.63	20.94	20.80	22.00
20	16QAM	100	0	20.59	20.84	20.67	22.00
20	64QAM	1	0	21.35	21.69	21.54	22.00
20	64QAM	1	49	21.47	21.70	21.63	22.00
20	64QAM	1	99	21.47	21.80	21.67	22.00
20	64QAM	50	0	20.62	20.84	20.67	21.00
20	64QAM	50	24	20.57	20.86	20.77	21.00
20	64QAM	50	50	20.61	20.92	20.80	21.00
20	64QAM	100	0	20.61	20.84	20.70	21.00
20	256QAM	1	0	17.50	17.68	17.55	19.00
20	256QAM	1	49	17.50	17.64	17.59	19.00
20	256QAM	1	99	17.59	17.88	17.75	19.00
20	256QAM	50	0	17.51	17.73	17.57	19.00
20	256QAM	50	24	17.59	17.82	17.68	19.00
20	256QAM	50	50	17.67	17.86	17.76	19.00
20	256QAM	100	0	17.58	17.81	17.68	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	22.59	22.78	22.78	24.00
15	QPSK	1	37	22.51	22.61	22.50	24.00
15	QPSK	1	74	22.50	22.79	22.63	24.00
15	QPSK	36	0	21.56	21.83	21.63	23.00
15	QPSK	36	20	21.51	21.76	21.59	23.00
15	QPSK	36	39	21.61	21.71	21.61	23.00
15	QPSK	75	0	21.52	21.70	21.55	23.00
15	16QAM	1	0	21.50	21.51	21.51	23.00
15	16QAM	1	37	21.51	21.65	21.50	23.00
15	16QAM	1	74	21.68	21.93	21.66	23.00
15	16QAM	36	0	20.52	20.63	20.52	22.00
15	16QAM	36	20	20.52	20.77	20.76	22.00
15	16QAM	36	39	20.51	20.83	20.67	22.00
15	16QAM	75	0	20.54	20.80	20.60	22.00
15	64QAM	1	0	21.26	21.63	21.41	22.00
15	64QAM	1	37	21.33	21.63	21.53	22.00
15	64QAM	1	74	21.42	21.67	21.53	22.00
15	64QAM	36	0	20.55	20.73	20.61	21.00
15	64QAM	36	20	20.55	20.81	20.67	21.00
15	64QAM	36	39	20.49	20.79	20.67	21.00
15	64QAM	75	0	20.54	20.70	20.61	21.00
15	256QAM	1	0	17.50	17.66	17.53	19.00
15	256QAM	1	37	17.52	17.50	17.58	19.00
15	256QAM	1	74	17.50	17.82	17.63	19.00
15	256QAM	36	0	17.51	17.59	17.51	19.00
15	256QAM	36	20	17.54	17.67	17.61	19.00
15	256QAM	36	39	17.59	17.78	17.72	19.00
15	256QAM	75	0	17.52	17.70	17.60	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	22.56	22.81	22.79	24.00
10	QPSK	1	25	22.50	22.65	22.51	24.00
10	QPSK	1	49	22.51	22.73	22.67	24.00
10	QPSK	25	0	21.58	21.88	21.70	23.00
10	QPSK	25	12	21.50	21.71	21.59	23.00
10	QPSK	25	25	21.51	21.70	21.61	23.00
10	QPSK	50	0	21.52	21.67	21.56	23.00
10	16QAM	1	0	21.50	21.50	21.51	23.00
10	16QAM	1	25	21.50	21.62	21.51	23.00
10	16QAM	1	49	21.67	21.90	21.66	23.00
10	16QAM	25	0	20.50	20.71	20.50	22.00
10	16QAM	25	12	20.51	20.73	20.78	22.00
10	16QAM	25	25	20.57	20.79	20.78	22.00
10	16QAM	50	0	20.57	20.82	20.63	22.00
10	64QAM	1	0	21.32	21.66	21.53	22.00
10	64QAM	1	25	21.34	21.56	21.57	22.00
10	64QAM	1	49	21.35	21.67	21.55	22.00
10	64QAM	25	0	20.52	20.76	20.60	21.00
10	64QAM	25	12	20.44	20.71	20.66	21.00
10	64QAM	25	25	20.51	20.89	20.77	21.00
10	64QAM	50	0	20.48	20.74	20.61	21.00
10	256QAM	1	0	17.50	17.59	17.51	19.00
10	256QAM	1	25	17.50	17.57	17.54	19.00



10	256QAM	1	49	17.50	17.77	17.64	19.00
10	256QAM	25	0	17.50	17.65	17.51	19.00
10	256QAM	25	12	17.54	17.74	17.59	19.00
10	256QAM	25	25	17.56	17.75	17.70	19.00
10	256QAM	50	0	17.56	17.69	17.61	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	22.60	22.80	22.76	24.00
5	QPSK	1	12	22.50	22.69	22.50	24.00
5	QPSK	1	24	22.52	22.77	22.64	24.00
5	QPSK	12	0	21.52	21.78	21.66	23.00
5	QPSK	12	7	21.52	21.76	21.59	23.00
5	QPSK	12	13	21.52	21.72	21.57	23.00
5	QPSK	25	0	21.55	21.69	21.55	23.00
5	16QAM	1	0	21.50	21.51	21.50	23.00
5	16QAM	1	12	21.50	21.64	21.50	23.00
5	16QAM	1	24	21.63	21.92	21.74	23.00
5	16QAM	12	0	20.50	20.64	20.55	22.00
5	16QAM	12	7	20.53	20.78	20.78	22.00
5	16QAM	12	13	20.51	20.85	20.76	22.00
5	16QAM	25	0	20.52	20.83	20.66	22.00
5	64QAM	1	0	21.25	21.56	21.50	22.00
5	64QAM	1	12	21.33	21.56	21.61	22.00
5	64QAM	1	24	21.41	21.72	21.63	22.00
5	64QAM	12	0	20.53	20.80	20.53	21.00
5	64QAM	12	7	20.54	20.73	20.68	21.00
5	64QAM	12	13	20.46	20.86	20.70	21.00
5	64QAM	25	0	20.54	20.81	20.68	21.00
5	256QAM	1	0	17.52	17.61	17.51	19.00
5	256QAM	1	12	17.51	17.62	17.53	19.00
5	256QAM	1	24	17.54	17.86	17.66	19.00
5	256QAM	12	0	17.51	17.59	17.51	19.00
5	256QAM	12	7	17.56	17.78	17.60	19.00
5	256QAM	12	13	17.53	17.85	17.66	19.00
5	256QAM	25	0	17.50	17.74	17.63	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 7_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.49	22.79	22.59	24.00
20	QPSK	1	49	22.33	22.71	22.38	24.00
20	QPSK	1	99	22.55	22.74	22.59	24.00
20	QPSK	50	0	21.46	21.70	21.72	23.00
20	QPSK	50	24	21.46	21.67	21.63	23.00
20	QPSK	50	50	21.44	21.66	21.50	23.00
20	QPSK	100	0	21.44	21.62	21.57	23.00
20	16QAM	1	0	21.31	21.51	21.32	23.00
20	16QAM	1	49	21.44	21.65	21.33	23.00
20	16QAM	1	99	21.55	21.90	21.76	23.00
20	16QAM	50	0	20.42	20.73	20.56	22.00
20	16QAM	50	24	20.57	20.78	20.78	22.00
20	16QAM	50	50	20.53	20.91	20.81	22.00
20	16QAM	100	0	20.41	20.81	20.53	22.00
20	64QAM	1	0	21.20	21.66	21.46	22.00
20	64QAM	1	49	21.47	21.56	21.62	22.00
20	64QAM	1	99	21.42	21.59	21.52	22.00
20	64QAM	50	0	20.47	20.75	20.64	21.00
20	64QAM	50	24	20.36	20.80	20.61	21.00
20	64QAM	50	50	20.47	20.77	20.77	21.00
20	64QAM	100	0	20.53	20.73	20.71	21.00
20	256QAM	1	0	17.31	17.64	17.50	19.00
20	256QAM	1	49	17.49	17.60	17.42	19.00
20	256QAM	1	99	17.41	17.82	17.69	19.00
20	256QAM	50	0	17.30	17.51	17.44	19.00
20	256QAM	50	24	17.40	17.65	17.68	19.00
20	256QAM	50	50	17.56	17.65	17.66	19.00
20	256QAM	100	0	17.55	17.73	17.51	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	22.47	22.75	22.50	24.00



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15	QPSK	1	37	22.23	22.57	22.30	24.00
15	QPSK	1	74	22.49	22.68	22.56	24.00
15	QPSK	36	0	21.41	21.60	21.59	23.00
15	QPSK	36	20	21.35	21.53	21.55	23.00
15	QPSK	36	39	21.36	21.55	21.42	23.00
15	QPSK	75	0	21.35	21.52	21.51	23.00
15	16QAM	1	0	21.19	21.44	21.22	23.00
15	16QAM	1	37	21.37	21.63	21.26	23.00
15	16QAM	1	74	21.42	21.80	21.71	23.00
15	16QAM	36	0	20.32	20.69	20.46	22.00
15	16QAM	36	20	20.45	20.77	20.65	22.00
15	16QAM	36	39	20.46	20.78	20.67	22.00
15	16QAM	75	0	20.31	20.79	20.38	22.00
15	64QAM	1	0	21.07	21.54	21.36	22.00
15	64QAM	1	37	21.44	21.42	21.59	22.00
15	64QAM	1	74	21.34	21.49	21.43	22.00
15	64QAM	36	0	20.37	20.70	20.62	21.00
15	64QAM	36	20	20.30	20.79	20.53	21.00
15	64QAM	36	39	20.42	20.64	20.76	21.00
15	64QAM	75	0	20.39	20.62	20.64	21.00
15	256QAM	1	0	17.21	17.60	17.41	19.00
15	256QAM	1	37	17.47	17.53	17.36	19.00
15	256QAM	1	74	17.28	17.79	17.60	19.00
15	256QAM	36	0	17.20	17.41	17.38	19.00
15	256QAM	36	20	17.29	17.62	17.58	19.00
15	256QAM	36	39	17.51	17.56	17.60	19.00
15	256QAM	75	0	17.49	17.68	17.43	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	22.47	22.66	22.44	24.00
10	QPSK	1	25	22.28	22.62	22.26	24.00
10	QPSK	1	49	22.48	22.70	22.54	24.00
10	QPSK	25	0	21.43	21.57	21.62	23.00
10	QPSK	25	12	21.35	21.64	21.62	23.00
10	QPSK	25	25	21.34	21.55	21.43	23.00
10	QPSK	50	0	21.35	21.50	21.52	23.00
10	16QAM	1	0	21.30	21.46	21.22	23.00
10	16QAM	1	25	21.40	21.56	21.25	23.00
10	16QAM	1	49	21.51	21.77	21.62	23.00
10	16QAM	25	0	20.27	20.61	20.41	22.00
10	16QAM	25	12	20.55	20.72	20.64	22.00
10	16QAM	25	25	20.49	20.78	20.78	22.00
10	16QAM	50	0	20.39	20.74	20.43	22.00
10	64QAM	1	0	21.19	21.63	21.44	22.00
10	64QAM	1	25	21.43	21.54	21.51	22.00
10	64QAM	1	49	21.38	21.47	21.48	22.00
10	64QAM	25	0	20.42	20.66	20.57	21.00
10	64QAM	25	12	20.33	20.74	20.48	21.00
10	64QAM	25	25	20.44	20.67	20.75	21.00
10	64QAM	50	0	20.42	20.63	20.64	21.00
10	256QAM	1	0	17.19	17.56	17.45	19.00
10	256QAM	1	25	17.44	17.51	17.34	19.00
10	256QAM	1	49	17.37	17.76	17.68	19.00
10	256QAM	25	0	17.17	17.48	17.32	19.00
10	256QAM	25	12	17.35	17.52	17.53	19.00
10	256QAM	25	25	17.44	17.57	17.60	19.00
10	256QAM	50	0	17.40	17.71	17.46	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	22.36	22.66	22.46	24.00
5	QPSK	1	12	22.25	22.67	22.27	24.00
5	QPSK	1	24	22.49	22.72	22.55	24.00
5	QPSK	12	0	21.36	21.69	21.70	23.00
5	QPSK	12	7	21.36	21.62	21.53	23.00
5	QPSK	12	13	21.32	21.54	21.38	23.00
5	QPSK	25	0	21.32	21.47	21.48	23.00
5	16QAM	1	0	21.24	21.45	21.25	23.00
5	16QAM	1	12	21.38	21.60	21.24	23.00
5	16QAM	1	24	21.51	21.84	21.72	23.00
5	16QAM	12	0	20.34	20.65	20.43	22.00
5	16QAM	12	7	20.51	20.64	20.75	22.00
5	16QAM	12	13	20.42	20.90	20.73	22.00
5	16QAM	25	0	20.32	20.78	20.39	22.00
5	64QAM	1	0	21.18	21.63	21.34	22.00
5	64QAM	1	12	21.36	21.54	21.52	22.00
5	64QAM	1	24	21.38	21.44	21.43	22.00
5	64QAM	12	0	20.44	20.62	20.57	21.00
5	64QAM	12	7	20.21	20.67	20.55	21.00

5	64QAM	12	13	20.38	20.75	20.76	21.00
5	64QAM	25	0	20.39	20.65	20.59	21.00
5	256QAM	1	0	17.29	17.55	17.41	19.00
5	256QAM	1	12	17.44	17.51	17.39	19.00
5	256QAM	1	24	17.34	17.78	17.65	19.00
5	256QAM	12	0	17.25	17.41	17.32	19.00
5	256QAM	12	7	17.30	17.52	17.54	19.00
5	256QAM	12	13	17.52	17.54	17.62	19.00
5	256QAM	25	0	17.53	17.59	17.45	19.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.64	22.85	22.81	24.00
20	QPSK	1	49	22.50	22.72	22.59	24.00
20	QPSK	1	99	22.58	22.82	22.74	24.00
20	QPSK	50	0	21.65	21.90	21.75	23.00
20	QPSK	50	24	21.52	21.82	21.69	23.00
20	QPSK	50	50	21.62	21.84	21.70	23.00
20	QPSK	100	0	21.57	21.79	21.68	23.00
20	16QAM	1	0	21.50	21.56	21.51	23.00
20	16QAM	1	49	21.50	21.67	21.50	23.00
20	16QAM	1	99	21.75	21.96	21.80	23.00
20	16QAM	50	0	20.50	20.76	20.62	22.00
20	16QAM	50	24	20.58	20.87	20.81	22.00
20	16QAM	50	50	20.63	20.94	20.80	22.00
20	16QAM	100	0	20.59	20.84	20.67	22.00
20	64QAM	1	0	21.35	21.69	21.54	22.00
20	64QAM	1	49	21.47	21.70	21.63	22.00
20	64QAM	1	99	21.47	21.80	21.67	22.00
20	64QAM	50	0	20.62	20.84	20.67	21.00
20	64QAM	50	24	20.57	20.86	20.77	21.00
20	64QAM	50	50	20.61	20.92	20.80	21.00
20	64QAM	100	0	20.61	20.84	20.70	21.00
20	256QAM	1	0	17.50	17.68	17.55	19.00
20	256QAM	1	49	17.50	17.64	17.59	19.00
20	256QAM	1	99	17.59	17.88	17.75	19.00
20	256QAM	50	0	17.51	17.73	17.57	19.00
20	256QAM	50	24	17.59	17.82	17.68	19.00
20	256QAM	50	50	17.67	17.86	17.76	19.00
20	256QAM	100	0	17.58	17.81	17.68	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	22.59	22.78	22.78	24.00
15	QPSK	1	37	22.51	22.61	22.50	24.00
15	QPSK	1	74	22.50	22.79	22.63	24.00
15	QPSK	36	0	21.56	21.83	21.63	23.00
15	QPSK	36	20	21.51	21.76	21.59	23.00
15	QPSK	36	39	21.61	21.71	21.61	23.00
15	QPSK	75	0	21.52	21.70	21.55	23.00
15	16QAM	1	0	21.50	21.51	21.51	23.00
15	16QAM	1	37	21.51	21.65	21.50	23.00
15	16QAM	1	74	21.68	21.93	21.66	23.00
15	16QAM	36	0	20.52	20.63	20.52	22.00
15	16QAM	36	20	20.52	20.77	20.76	22.00
15	16QAM	36	39	20.51	20.83	20.67	22.00
15	16QAM	75	0	20.54	20.80	20.60	22.00
15	64QAM	1	0	21.26	21.63	21.41	22.00
15	64QAM	1	37	21.33	21.63	21.53	22.00
15	64QAM	1	74	21.42	21.67	21.53	22.00
15	64QAM	36	0	20.55	20.73	20.61	21.00
15	64QAM	36	20	20.55	20.81	20.67	21.00
15	64QAM	36	39	20.49	20.79	20.67	21.00
15	64QAM	75	0	20.54	20.70	20.61	21.00
15	256QAM	1	0	17.50	17.66	17.53	19.00
15	256QAM	1	37	17.52	17.50	17.58	19.00
15	256QAM	1	74	17.50	17.82	17.63	19.00
15	256QAM	36	0	17.51	17.59	17.51	19.00
15	256QAM	36	20	17.54	17.67	17.61	19.00
15	256QAM	36	39	17.59	17.78	17.72	19.00



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15	256QAM	75	0	17.52	17.70	17.60	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	22.56	22.81	22.79	24.00
10	QPSK	1	25	22.50	22.65	22.51	24.00
10	QPSK	1	49	22.51	22.73	22.67	24.00
10	QPSK	25	0	21.58	21.88	21.70	23.00
10	QPSK	25	12	21.50	21.71	21.59	23.00
10	QPSK	25	25	21.51	21.70	21.61	23.00
10	QPSK	50	0	21.52	21.67	21.56	23.00
10	16QAM	1	0	21.50	21.50	21.51	23.00
10	16QAM	1	25	21.50	21.62	21.51	23.00
10	16QAM	1	49	21.67	21.90	21.66	23.00
10	16QAM	25	0	20.50	20.71	20.50	22.00
10	16QAM	25	12	20.51	20.73	20.78	22.00
10	16QAM	25	25	20.57	20.79	20.78	22.00
10	16QAM	50	0	20.57	20.82	20.63	22.00
10	64QAM	1	0	21.32	21.66	21.53	22.00
10	64QAM	1	25	21.34	21.56	21.57	22.00
10	64QAM	1	49	21.35	21.67	21.55	22.00
10	64QAM	25	0	20.52	20.76	20.60	21.00
10	64QAM	25	12	20.44	20.71	20.66	21.00
10	64QAM	25	25	20.51	20.89	20.77	21.00
10	64QAM	50	0	20.48	20.74	20.61	21.00
10	256QAM	1	0	17.50	17.59	17.51	19.00
10	256QAM	1	25	17.50	17.57	17.54	19.00
10	256QAM	1	49	17.50	17.77	17.64	19.00
10	256QAM	25	0	17.50	17.65	17.51	19.00
10	256QAM	25	12	17.54	17.74	17.59	19.00
10	256QAM	25	25	17.56	17.75	17.70	19.00
10	256QAM	50	0	17.56	17.69	17.61	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	22.60	22.80	22.76	24.00
5	QPSK	1	12	22.50	22.69	22.50	24.00
5	QPSK	1	24	22.52	22.77	22.64	24.00
5	QPSK	12	0	21.52	21.78	21.66	23.00
5	QPSK	12	7	21.52	21.76	21.59	23.00
5	QPSK	12	13	21.52	21.72	21.57	23.00
5	QPSK	25	0	21.55	21.69	21.55	23.00
5	16QAM	1	0	21.50	21.51	21.50	23.00
5	16QAM	1	12	21.50	21.64	21.50	23.00
5	16QAM	1	24	21.63	21.92	21.74	23.00
5	16QAM	12	0	20.50	20.64	20.55	22.00
5	16QAM	12	7	20.53	20.78	20.78	22.00
5	16QAM	12	13	20.51	20.85	20.76	22.00
5	16QAM	25	0	20.52	20.83	20.66	22.00
5	64QAM	1	0	21.25	21.56	21.50	22.00
5	64QAM	1	12	21.33	21.56	21.61	22.00
5	64QAM	1	24	21.41	21.72	21.63	22.00
5	64QAM	12	0	20.53	20.80	20.53	21.00
5	64QAM	12	7	20.54	20.73	20.68	21.00
5	64QAM	12	13	20.46	20.86	20.70	21.00
5	64QAM	25	0	20.54	20.81	20.68	21.00
5	256QAM	1	0	17.52	17.61	17.51	19.00
5	256QAM	1	12	17.51	17.62	17.53	19.00
5	256QAM	1	24	17.54	17.86	17.66	19.00
5	256QAM	12	0	17.51	17.59	17.51	19.00
5	256QAM	12	7	17.56	17.78	17.60	19.00
5	256QAM	12	13	17.53	17.85	17.66	19.00
5	256QAM	25	0	17.50	17.74	17.63	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 7_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	22.49	22.79	22.59	24.00
20	QPSK	1	49	22.33	22.71	22.38	24.00
20	QPSK	1	99	22.55	22.74	22.59	24.00
20	QPSK	50	0	21.46	21.70	21.72	23.00
20	QPSK	50	24	21.46	21.67	21.63	23.00



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20	QPSK	50	50	21.44	21.66	21.50	23.00
20	QPSK	100	0	21.44	21.62	21.57	23.00
20	16QAM	1	0	21.31	21.51	21.32	23.00
20	16QAM	1	49	21.44	21.65	21.33	23.00
20	16QAM	1	99	21.55	21.90	21.76	23.00
20	16QAM	50	0	20.42	20.73	20.56	22.00
20	16QAM	50	24	20.57	20.78	20.78	22.00
20	16QAM	50	50	20.53	20.91	20.81	22.00
20	16QAM	100	0	20.41	20.81	20.53	22.00
20	64QAM	1	0	21.20	21.66	21.46	22.00
20	64QAM	1	49	21.47	21.56	21.62	22.00
20	64QAM	1	99	21.42	21.59	21.52	22.00
20	64QAM	50	0	20.47	20.75	20.64	21.00
20	64QAM	50	24	20.36	20.80	20.61	21.00
20	64QAM	50	50	20.47	20.77	20.77	21.00
20	64QAM	100	0	20.53	20.73	20.71	21.00
20	256QAM	1	0	17.31	17.64	17.50	19.00
20	256QAM	1	49	17.49	17.60	17.42	19.00
20	256QAM	1	99	17.41	17.82	17.69	19.00
20	256QAM	50	0	17.30	17.51	17.44	19.00
20	256QAM	50	24	17.40	17.65	17.68	19.00
20	256QAM	50	50	17.56	17.65	17.66	19.00
20	256QAM	100	0	17.55	17.73	17.51	19.00
Channel				43165	43340	43515	Tune-up limit
Frequency (MHz)				3557.5	3575	3592.5	(dBm)
15	QPSK	1	0	22.47	22.75	22.50	24.00
15	QPSK	1	37	22.23	22.57	22.30	24.00
15	QPSK	1	74	22.49	22.68	22.56	24.00
15	QPSK	36	0	21.41	21.60	21.59	23.00
15	QPSK	36	20	21.35	21.53	21.55	23.00
15	QPSK	36	39	21.36	21.55	21.42	23.00
15	QPSK	75	0	21.35	21.52	21.51	23.00
15	16QAM	1	0	21.19	21.44	21.22	23.00
15	16QAM	1	37	21.37	21.63	21.26	23.00
15	16QAM	1	74	21.42	21.80	21.71	23.00
15	16QAM	36	0	20.32	20.69	20.46	22.00
15	16QAM	36	20	20.45	20.77	20.65	22.00
15	16QAM	36	39	20.46	20.78	20.67	22.00
15	16QAM	75	0	20.31	20.79	20.38	22.00
15	64QAM	1	0	21.07	21.54	21.36	22.00
15	64QAM	1	37	21.44	21.42	21.59	22.00
15	64QAM	1	74	21.34	21.49	21.43	22.00
15	64QAM	36	0	20.37	20.70	20.62	21.00
15	64QAM	36	20	20.30	20.79	20.53	21.00
15	64QAM	36	39	20.42	20.64	20.76	21.00
15	64QAM	75	0	20.39	20.62	20.64	21.00
15	256QAM	1	0	17.21	17.60	17.41	19.00
15	256QAM	1	37	17.47	17.53	17.36	19.00
15	256QAM	1	74	17.28	17.79	17.60	19.00
15	256QAM	36	0	17.20	17.41	17.38	19.00
15	256QAM	36	20	17.29	17.62	17.58	19.00
15	256QAM	36	39	17.51	17.56	17.60	19.00
15	256QAM	75	0	17.49	17.68	17.43	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	22.47	22.66	22.44	24.00
10	QPSK	1	25	22.28	22.62	22.26	24.00
10	QPSK	1	49	22.48	22.70	22.54	24.00
10	QPSK	25	0	21.43	21.57	21.62	23.00
10	QPSK	25	12	21.35	21.64	21.62	23.00
10	QPSK	25	25	21.34	21.55	21.43	23.00
10	QPSK	50	0	21.35	21.50	21.52	23.00
10	16QAM	1	0	21.30	21.46	21.22	23.00
10	16QAM	1	25	21.40	21.56	21.25	23.00
10	16QAM	1	49	21.51	21.77	21.62	23.00
10	16QAM	25	0	20.27	20.61	20.41	22.00
10	16QAM	25	12	20.55	20.72	20.64	22.00
10	16QAM	25	25	20.49	20.78	20.78	22.00
10	16QAM	50	0	20.39	20.74	20.43	22.00
10	64QAM	1	0	21.19	21.63	21.44	22.00
10	64QAM	1	25	21.43	21.54	21.51	22.00
10	64QAM	1	49	21.38	21.47	21.48	22.00
10	64QAM	25	0	20.42	20.66	20.57	21.00
10	64QAM	25	12	20.33	20.74	20.48	21.00
10	64QAM	25	25	20.44	20.67	20.75	21.00
10	64QAM	50	0	20.42	20.63	20.64	21.00
10	256QAM	1	0	17.19	17.56	17.45	19.00
10	256QAM	1	25	17.44	17.51	17.34	19.00



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10	256QAM	1	49	17.37	17.76	17.68	19.00
10	256QAM	25	0	17.17	17.48	17.32	19.00
10	256QAM	25	12	17.35	17.52	17.53	19.00
10	256QAM	25	25	17.44	17.57	17.60	19.00
10	256QAM	50	0	17.40	17.71	17.46	19.00
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	22.36	22.66	22.46	24.00
5	QPSK	1	12	22.25	22.67	22.27	24.00
5	QPSK	1	24	22.49	22.72	22.55	24.00
5	QPSK	12	0	21.36	21.69	21.70	23.00
5	QPSK	12	7	21.36	21.62	21.53	23.00
5	QPSK	12	13	21.32	21.54	21.38	23.00
5	QPSK	25	0	21.32	21.47	21.48	23.00
5	16QAM	1	0	21.24	21.45	21.25	23.00
5	16QAM	1	12	21.38	21.60	21.24	23.00
5	16QAM	1	24	21.51	21.84	21.72	23.00
5	16QAM	12	0	20.34	20.65	20.43	22.00
5	16QAM	12	7	20.51	20.64	20.75	22.00
5	16QAM	12	13	20.42	20.90	20.73	22.00
5	16QAM	25	0	20.32	20.78	20.39	22.00
5	64QAM	1	0	21.18	21.63	21.34	22.00
5	64QAM	1	12	21.36	21.54	21.52	22.00
5	64QAM	1	24	21.38	21.44	21.43	22.00
5	64QAM	12	0	20.44	20.62	20.57	21.00
5	64QAM	12	7	20.21	20.67	20.55	21.00
5	64QAM	12	13	20.38	20.75	20.76	21.00
5	64QAM	25	0	20.39	20.65	20.59	21.00
5	256QAM	1	0	17.29	17.55	17.41	19.00
5	256QAM	1	12	17.44	17.51	17.39	19.00
5	256QAM	1	24	17.34	17.78	17.65	19.00
5	256QAM	12	0	17.25	17.41	17.32	19.00
5	256QAM	12	7	17.30	17.52	17.54	19.00
5	256QAM	12	13	17.52	17.54	17.62	19.00
5	256QAM	25	0	17.53	17.59	17.45	19.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	17.82	17.88	17.85	19.00
20	QPSK	1	49	17.59	17.79	17.64	19.00
20	QPSK	1	99	17.64	17.73	17.58	19.00
20	QPSK	50	0	17.72	17.84	17.71	19.00
20	QPSK	50	24	17.66	17.82	17.69	19.00
20	QPSK	50	50	17.55	17.75	17.64	19.00
20	QPSK	100	0	17.58	17.71	17.59	19.00
20	16QAM	1	0	17.58	17.76	17.63	19.00
20	16QAM	1	49	17.56	17.73	17.67	19.00
20	16QAM	1	99	17.50	17.66	17.50	19.00
20	16QAM	50	0	17.51	17.69	17.57	19.00
20	16QAM	50	24	17.57	17.65	17.56	19.00
20	16QAM	50	50	17.67	17.75	17.66	19.00
20	16QAM	100	0	17.60	17.79	17.69	19.00
20	64QAM	1	0	17.57	17.72	17.66	19.00
20	64QAM	1	49	17.65	17.76	17.61	19.00
20	64QAM	1	99	17.60	17.80	17.75	19.00
20	64QAM	50	0	17.66	17.73	17.60	19.00
20	64QAM	50	24	17.66	17.75	17.58	19.00
20	64QAM	50	50	17.53	17.72	17.57	19.00
20	64QAM	100	0	17.57	17.77	17.62	19.00
20	256QAM	1	0	17.50	17.68	17.55	19.00
20	256QAM	1	49	17.50	17.64	17.59	19.00
20	256QAM	1	99	17.59	17.88	17.75	19.00
20	256QAM	50	0	17.51	17.73	17.57	19.00
20	256QAM	50	24	17.59	17.82	17.68	19.00
20	256QAM	50	50	17.67	17.86	17.76	19.00
20	256QAM	100	0	17.58	17.81	17.68	19.00
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	17.78	17.80	17.80	19.00



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15	QPSK	1	37	17.51	17.70	17.56	19.00
15	QPSK	1	74	17.53	17.71	17.53	19.00
15	QPSK	36	0	17.68	17.77	17.63	19.00
15	QPSK	36	20	17.61	17.78	17.62	19.00
15	QPSK	36	39	17.50	17.69	17.62	19.00
15	QPSK	75	0	17.56	17.60	17.50	19.00
15	16QAM	1	0	17.51	17.65	17.58	19.00
15	16QAM	1	37	17.50	17.59	17.60	19.00
15	16QAM	1	74	17.50	17.57	17.50	19.00
15	16QAM	36	0	17.50	17.56	17.50	19.00
15	16QAM	36	20	17.55	17.53	17.50	19.00
15	16QAM	36	39	17.53	17.74	17.63	19.00
15	16QAM	75	0	17.52	17.67	17.64	19.00
15	64QAM	1	0	17.51	17.67	17.62	19.00
15	64QAM	1	37	17.56	17.73	17.53	19.00
15	64QAM	1	74	17.51	17.74	17.62	19.00
15	64QAM	36	0	17.64	17.63	17.56	19.00
15	64QAM	36	20	17.59	17.74	17.52	19.00
15	64QAM	36	39	17.50	17.58	17.50	19.00
15	64QAM	75	0	17.51	17.73	17.50	19.00
15	256QAM	1	0	17.51	17.54	17.50	19.00
15	256QAM	1	37	17.51	17.53	17.57	19.00
15	256QAM	1	74	17.53	17.74	17.70	19.00
15	256QAM	36	0	17.50	17.65	17.51	19.00
15	256QAM	36	20	17.51	17.68	17.65	19.00
15	256QAM	36	39	17.53	17.72	17.67	19.00
15	256QAM	75	0	17.52	17.75	17.56	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	17.71	17.86	17.73	19.00
10	QPSK	1	25	17.50	17.76	17.54	19.00
10	QPSK	1	49	17.50	17.66	17.54	19.00
10	QPSK	25	0	17.71	17.75	17.66	19.00
10	QPSK	25	12	17.60	17.77	17.57	19.00
10	QPSK	25	25	17.54	17.68	17.58	19.00
10	QPSK	50	0	17.51	17.65	17.50	19.00
10	16QAM	1	0	17.57	17.62	17.59	19.00
10	16QAM	1	25	17.51	17.67	17.62	19.00
10	16QAM	1	49	17.51	17.60	17.51	19.00
10	16QAM	25	0	17.51	17.57	17.50	19.00
10	16QAM	25	12	17.56	17.56	17.50	19.00
10	16QAM	25	25	17.65	17.63	17.51	19.00
10	16QAM	50	0	17.57	17.77	17.57	19.00
10	64QAM	1	0	17.55	17.59	17.51	19.00
10	64QAM	1	25	17.54	17.73	17.51	19.00
10	64QAM	1	49	17.53	17.78	17.69	19.00
10	64QAM	25	0	17.64	17.67	17.54	19.00
10	64QAM	25	12	17.57	17.70	17.52	19.00
10	64QAM	25	25	17.52	17.60	17.50	19.00
10	64QAM	50	0	17.50	17.66	17.50	19.00
10	256QAM	1	0	17.50	17.60	17.51	19.00
10	256QAM	1	25	17.50	17.53	17.50	19.00
10	256QAM	1	49	17.57	17.77	17.73	19.00
10	256QAM	25	0	17.50	17.63	17.50	19.00
10	256QAM	25	12	17.50	17.71	17.66	19.00
10	256QAM	25	25	17.64	17.74	17.69	19.00
10	256QAM	50	0	17.51	17.75	17.56	19.00
Channel				42115	42590	43065	Tune-up limit
Frequency (MHz)				3452.5	3500	3547.5	(dBm)
5	QPSK	1	0	17.76	17.75	17.78	19.00
5	QPSK	1	12	17.51	17.67	17.58	19.00
5	QPSK	1	24	17.59	17.64	17.55	19.00
5	QPSK	12	0	17.68	17.79	17.58	19.00
5	QPSK	12	7	17.57	17.78	17.55	19.00
5	QPSK	12	13	17.50	17.62	17.62	19.00
5	QPSK	25	0	17.57	17.67	17.50	19.00
5	16QAM	1	0	17.51	17.72	17.51	19.00
5	16QAM	1	12	17.50	17.60	17.61	19.00
5	16QAM	1	24	17.50	17.58	17.50	19.00
5	16QAM	12	0	17.50	17.66	17.53	19.00
5	16QAM	12	7	17.50	17.55	17.50	19.00
5	16QAM	12	13	17.64	17.62	17.55	19.00
5	16QAM	25	0	17.50	17.77	17.66	19.00
5	64QAM	1	0	17.50	17.58	17.62	19.00
5	64QAM	1	12	17.53	17.70	17.56	19.00
5	64QAM	1	24	17.52	17.75	17.60	19.00
5	64QAM	12	0	17.53	17.69	17.56	19.00
5	64QAM	12	7	17.65	17.73	17.53	19.00



5	64QAM	12	13	17.51	17.67	17.50	19.00
5	64QAM	25	0	17.54	17.72	17.50	19.00
5	256QAM	1	0	17.51	17.55	17.50	19.00
5	256QAM	1	12	17.52	17.59	17.56	19.00
5	256QAM	1	24	17.57	17.78	17.63	19.00
5	256QAM	12	0	17.51	17.70	17.50	19.00
5	256QAM	12	7	17.54	17.77	17.65	19.00
5	256QAM	12	13	17.66	17.75	17.75	19.00
5	256QAM	25	0	17.51	17.72	17.64	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 7_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	Tune-up limit (dBm)
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	17.73	17.82	17.75	19.00
20	QPSK	1	49	17.61	17.77	17.63	19.00
20	QPSK	1	99	17.55	17.73	17.55	19.00
20	QPSK	50	0	17.62	17.78	17.59	19.00
20	QPSK	50	24	17.52	17.75	17.56	19.00
20	QPSK	50	50	17.54	17.76	17.59	19.00
20	QPSK	100	0	17.47	17.71	17.53	19.00
20	16QAM	1	0	17.59	17.79	17.66	19.00
20	16QAM	1	49	17.53	17.75	17.59	19.00
20	16QAM	1	99	17.61	17.72	17.62	19.00
20	16QAM	50	0	17.64	17.77	17.65	19.00
20	16QAM	50	24	17.60	17.76	17.63	19.00
20	16QAM	50	50	17.55	17.72	17.62	19.00
20	16QAM	100	0	17.61	17.78	17.57	19.00
20	64QAM	1	0	17.50	17.74	17.61	19.00
20	64QAM	1	49	17.56	17.70	17.55	19.00
20	64QAM	1	99	17.58	17.72	17.56	19.00
20	64QAM	50	0	17.63	17.75	17.67	19.00
20	64QAM	50	24	17.49	17.66	17.57	19.00
20	64QAM	50	50	17.49	17.69	17.50	19.00
20	64QAM	100	0	17.49	17.65	17.44	19.00
20	256QAM	1	0	17.31	17.64	17.50	19.00
20	256QAM	1	49	17.49	17.60	17.42	19.00
20	256QAM	1	99	17.41	17.82	17.69	19.00
20	256QAM	50	0	17.30	17.51	17.44	19.00
20	256QAM	50	24	17.40	17.65	17.68	19.00
20	256QAM	50	50	17.56	17.65	17.66	19.00
20	256QAM	100	0	17.55	17.73	17.51	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	17.61	17.67	17.62	19.00
15	QPSK	1	37	17.60	17.66	17.60	19.00
15	QPSK	1	74	17.48	17.65	17.50	19.00
15	QPSK	36	0	17.52	17.77	17.50	19.00
15	QPSK	36	20	17.50	17.66	17.45	19.00
15	QPSK	36	39	17.40	17.74	17.48	19.00
15	QPSK	75	0	17.42	17.59	17.41	19.00
15	16QAM	1	0	17.45	17.78	17.61	19.00
15	16QAM	1	37	17.42	17.73	17.45	19.00
15	16QAM	1	74	17.57	17.57	17.53	19.00
15	16QAM	36	0	17.61	17.66	17.52	19.00
15	16QAM	36	20	17.49	17.72	17.50	19.00
15	16QAM	36	39	17.52	17.59	17.51	19.00
15	16QAM	75	0	17.57	17.73	17.55	19.00
15	64QAM	1	0	17.45	17.72	17.56	19.00
15	64QAM	1	37	17.41	17.60	17.42	19.00
15	64QAM	1	74	17.55	17.62	17.52	19.00
15	64QAM	36	0	17.50	17.73	17.64	19.00
15	64QAM	36	20	17.43	17.59	17.48	19.00
15	64QAM	36	39	17.39	17.57	17.39	19.00
15	64QAM	75	0	17.42	17.53	17.32	19.00
15	256QAM	1	0	17.23	17.61	17.40	19.00
15	256QAM	1	37	17.48	17.57	17.28	19.00
15	256QAM	1	74	17.34	17.69	17.63	19.00
15	256QAM	36	0	17.28	17.47	17.31	19.00
15	256QAM	36	20	17.25	17.56	17.54	19.00
15	256QAM	36	39	17.48	17.52	17.62	19.00



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15	256QAM	75	0	17.42	17.59	17.37	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	17.67	17.68	17.65	19.00
10	QPSK	1	25	17.56	17.64	17.61	19.00
10	QPSK	1	49	17.46	17.70	17.46	19.00
10	QPSK	25	0	17.50	17.70	17.57	19.00
10	QPSK	25	12	17.44	17.69	17.51	19.00
10	QPSK	25	25	17.45	17.70	17.57	19.00
10	QPSK	50	0	17.38	17.70	17.44	19.00
10	16QAM	1	0	17.55	17.65	17.54	19.00
10	16QAM	1	25	17.50	17.71	17.45	19.00
10	16QAM	1	49	17.46	17.67	17.58	19.00
10	16QAM	25	0	17.50	17.64	17.62	19.00
10	16QAM	25	12	17.50	17.64	17.60	19.00
10	16QAM	25	25	17.42	17.64	17.47	19.00
10	16QAM	50	0	17.47	17.64	17.43	19.00
10	64QAM	1	0	17.46	17.69	17.58	19.00
10	64QAM	1	25	17.52	17.62	17.44	19.00
10	64QAM	1	49	17.44	17.71	17.43	19.00
10	64QAM	25	0	17.57	17.73	17.55	19.00
10	64QAM	25	12	17.35	17.57	17.43	19.00
10	64QAM	25	25	17.46	17.63	17.42	19.00
10	64QAM	50	0	17.46	17.61	17.39	19.00
10	256QAM	1	0	17.22	17.51	17.44	19.00
10	256QAM	1	25	17.36	17.58	17.28	19.00
10	256QAM	1	49	17.37	17.80	17.64	19.00
10	256QAM	25	0	17.25	17.46	17.32	19.00
10	256QAM	25	12	17.38	17.57	17.53	19.00
10	256QAM	25	25	17.42	17.56	17.57	19.00
10	256QAM	50	0	17.51	17.59	17.49	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	17.64	17.69	17.65	19.00
5	QPSK	1	12	17.55	17.69	17.51	19.00
5	QPSK	1	24	17.53	17.70	17.44	19.00
5	QPSK	12	0	17.50	17.69	17.55	19.00
5	QPSK	12	7	17.50	17.70	17.51	19.00
5	QPSK	12	13	17.42	17.71	17.53	19.00
5	QPSK	25	0	17.44	17.57	17.52	19.00
5	16QAM	1	0	17.48	17.66	17.53	19.00
5	16QAM	1	12	17.43	17.60	17.55	19.00
5	16QAM	1	24	17.53	17.69	17.54	19.00
5	16QAM	12	0	17.50	17.64	17.54	19.00
5	16QAM	12	7	17.55	17.70	17.61	19.00
5	16QAM	12	13	17.41	17.58	17.56	19.00
5	16QAM	25	0	17.59	17.66	17.45	19.00
5	64QAM	1	0	17.36	17.69	17.50	19.00
5	64QAM	1	12	17.41	17.58	17.51	19.00
5	64QAM	1	24	17.43	17.59	17.46	19.00
5	64QAM	12	0	17.58	17.61	17.54	19.00
5	64QAM	12	7	17.42	17.58	17.43	19.00
5	64QAM	12	13	17.46	17.58	17.45	19.00
5	64QAM	25	0	17.38	17.56	17.42	19.00
5	256QAM	1	0	17.29	17.61	17.35	19.00
5	256QAM	1	12	17.40	17.52	17.35	19.00
5	256QAM	1	24	17.26	17.70	17.63	19.00
5	256QAM	12	0	17.24	17.45	17.33	19.00
5	256QAM	12	7	17.34	17.64	17.59	19.00
5	256QAM	12	13	17.42	17.57	17.55	19.00
5	256QAM	25	0	17.49	17.66	17.49	19.00

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	17.82	17.88	17.85	19.00
20	QPSK	1	49	17.59	17.79	17.64	19.00
20	QPSK	1	99	17.64	17.73	17.58	19.00
20	QPSK	50	0	17.72	17.84	17.71	19.00
20	QPSK	50	24	17.66	17.82	17.69	19.00



20	QPSK	50	50	17.55	17.75	17.64	19.00
20	QPSK	100	0	17.58	17.71	17.59	19.00
20	16QAM	1	0	17.58	17.76	17.63	19.00
20	16QAM	1	49	17.56	17.73	17.67	19.00
20	16QAM	1	99	17.50	17.66	17.50	19.00
20	16QAM	50	0	17.51	17.69	17.57	19.00
20	16QAM	50	24	17.57	17.65	17.56	19.00
20	16QAM	50	50	17.67	17.75	17.66	19.00
20	16QAM	100	0	17.60	17.79	17.69	19.00
20	64QAM	1	0	17.57	17.72	17.66	19.00
20	64QAM	1	49	17.65	17.76	17.61	19.00
20	64QAM	1	99	17.60	17.80	17.75	19.00
20	64QAM	50	0	17.66	17.73	17.60	19.00
20	64QAM	50	24	17.66	17.75	17.58	19.00
20	64QAM	50	50	17.53	17.72	17.57	19.00
20	64QAM	100	0	17.57	17.77	17.62	19.00
20	256QAM	1	0	17.50	17.68	17.55	19.00
20	256QAM	1	49	17.50	17.64	17.59	19.00
20	256QAM	1	99	17.59	17.88	17.75	19.00
20	256QAM	50	0	17.51	17.73	17.57	19.00
20	256QAM	50	24	17.59	17.82	17.68	19.00
20	256QAM	50	50	17.67	17.86	17.76	19.00
20	256QAM	100	0	17.58	17.81	17.68	19.00
Channel				42165	42590	43015	Tune-up limit
Frequency (MHz)				3457.5	3500	3542.5	(dBm)
15	QPSK	1	0	17.78	17.80	17.80	19.00
15	QPSK	1	37	17.51	17.70	17.56	19.00
15	QPSK	1	74	17.53	17.71	17.53	19.00
15	QPSK	36	0	17.68	17.77	17.63	19.00
15	QPSK	36	20	17.61	17.78	17.62	19.00
15	QPSK	36	39	17.50	17.69	17.62	19.00
15	QPSK	75	0	17.56	17.60	17.50	19.00
15	16QAM	1	0	17.51	17.65	17.58	19.00
15	16QAM	1	37	17.50	17.59	17.60	19.00
15	16QAM	1	74	17.50	17.57	17.50	19.00
15	16QAM	36	0	17.50	17.56	17.50	19.00
15	16QAM	36	20	17.55	17.53	17.50	19.00
15	16QAM	36	39	17.53	17.74	17.63	19.00
15	16QAM	75	0	17.52	17.67	17.64	19.00
15	64QAM	1	0	17.51	17.67	17.62	19.00
15	64QAM	1	37	17.56	17.73	17.53	19.00
15	64QAM	1	74	17.51	17.74	17.62	19.00
15	64QAM	36	0	17.64	17.63	17.56	19.00
15	64QAM	36	20	17.59	17.74	17.52	19.00
15	64QAM	36	39	17.50	17.58	17.50	19.00
15	64QAM	75	0	17.51	17.73	17.50	19.00
15	256QAM	1	0	17.51	17.54	17.50	19.00
15	256QAM	1	37	17.51	17.53	17.57	19.00
15	256QAM	1	74	17.53	17.74	17.70	19.00
15	256QAM	36	0	17.50	17.65	17.51	19.00
15	256QAM	36	20	17.51	17.68	17.65	19.00
15	256QAM	36	39	17.53	17.72	17.67	19.00
15	256QAM	75	0	17.52	17.75	17.56	19.00
Channel				42140	42590	43040	Tune-up limit
Frequency (MHz)				3455	3500	3545	(dBm)
10	QPSK	1	0	17.71	17.86	17.73	19.00
10	QPSK	1	25	17.50	17.76	17.54	19.00
10	QPSK	1	49	17.50	17.66	17.54	19.00
10	QPSK	25	0	17.71	17.75	17.66	19.00
10	QPSK	25	12	17.60	17.77	17.57	19.00
10	QPSK	25	25	17.54	17.68	17.58	19.00
10	QPSK	50	0	17.51	17.65	17.50	19.00
10	16QAM	1	0	17.57	17.62	17.59	19.00
10	16QAM	1	25	17.51	17.67	17.62	19.00
10	16QAM	1	49	17.51	17.60	17.51	19.00
10	16QAM	25	0	17.51	17.57	17.50	19.00
10	16QAM	25	12	17.56	17.56	17.50	19.00
10	16QAM	25	25	17.65	17.63	17.51	19.00
10	16QAM	50	0	17.57	17.77	17.57	19.00
10	64QAM	1	0	17.55	17.59	17.51	19.00
10	64QAM	1	25	17.54	17.73	17.51	19.00
10	64QAM	1	49	17.53	17.78	17.69	19.00
10	64QAM	25	0	17.64	17.67	17.54	19.00
10	64QAM	25	12	17.57	17.70	17.52	19.00
10	64QAM	25	25	17.52	17.60	17.50	19.00
10	64QAM	50	0	17.50	17.66	17.50	19.00
10	256QAM	1	0	17.50	17.60	17.51	19.00
10	256QAM	1	25	17.50	17.53	17.50	19.00



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10	256QAM	1	49	17.57	17.77	17.73	19.00
10	256QAM	25	0	17.50	17.63	17.50	19.00
10	256QAM	25	12	17.50	17.71	17.66	19.00
10	256QAM	25	25	17.64	17.74	17.69	19.00
10	256QAM	50	0	17.51	17.75	17.56	19.00
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	17.76	17.75	17.78	19.00
5	QPSK	1	12	17.51	17.67	17.58	19.00
5	QPSK	1	24	17.59	17.64	17.55	19.00
5	QPSK	12	0	17.68	17.79	17.58	19.00
5	QPSK	12	7	17.57	17.78	17.55	19.00
5	QPSK	12	13	17.50	17.62	17.62	19.00
5	QPSK	25	0	17.57	17.67	17.50	19.00
5	16QAM	1	0	17.51	17.72	17.51	19.00
5	16QAM	1	12	17.50	17.60	17.61	19.00
5	16QAM	1	24	17.50	17.58	17.50	19.00
5	16QAM	12	0	17.50	17.66	17.53	19.00
5	16QAM	12	7	17.50	17.55	17.50	19.00
5	16QAM	12	13	17.64	17.62	17.55	19.00
5	16QAM	25	0	17.50	17.77	17.66	19.00
5	64QAM	1	0	17.50	17.58	17.62	19.00
5	64QAM	1	12	17.53	17.70	17.56	19.00
5	64QAM	1	24	17.52	17.75	17.60	19.00
5	64QAM	12	0	17.53	17.69	17.56	19.00
5	64QAM	12	7	17.65	17.73	17.53	19.00
5	64QAM	12	13	17.51	17.67	17.50	19.00
5	64QAM	25	0	17.54	17.72	17.50	19.00
5	256QAM	1	0	17.51	17.55	17.50	19.00
5	256QAM	1	12	17.52	17.59	17.56	19.00
5	256QAM	1	24	17.57	17.78	17.63	19.00
5	256QAM	12	0	17.51	17.70	17.50	19.00
5	256QAM	12	7	17.54	17.77	17.65	19.00
5	256QAM	12	13	17.66	17.75	17.75	19.00
5	256QAM	25	0	17.51	17.72	17.64	19.00

【LTE Band 42 (96)_FCC_Part 96 (3550~3600MHz)_Ant 7_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	17.73	17.82	17.75	19.00
20	QPSK	1	49	17.61	17.77	17.63	19.00
20	QPSK	1	99	17.55	17.73	17.55	19.00
20	QPSK	50	0	17.62	17.78	17.59	19.00
20	QPSK	50	24	17.52	17.75	17.56	19.00
20	QPSK	50	50	17.54	17.76	17.59	19.00
20	QPSK	100	0	17.47	17.71	17.53	19.00
20	16QAM	1	0	17.59	17.79	17.66	19.00
20	16QAM	1	49	17.53	17.75	17.59	19.00
20	16QAM	1	99	17.61	17.72	17.62	19.00
20	16QAM	50	0	17.64	17.77	17.65	19.00
20	16QAM	50	24	17.60	17.76	17.63	19.00
20	16QAM	50	50	17.55	17.72	17.62	19.00
20	16QAM	100	0	17.61	17.78	17.57	19.00
20	64QAM	1	0	17.50	17.74	17.61	19.00
20	64QAM	1	49	17.56	17.70	17.55	19.00
20	64QAM	1	99	17.58	17.72	17.56	19.00
20	64QAM	50	0	17.63	17.75	17.67	19.00
20	64QAM	50	24	17.49	17.66	17.57	19.00
20	64QAM	50	50	17.49	17.69	17.50	19.00
20	64QAM	100	0	17.49	17.65	17.44	19.00
20	256QAM	1	0	17.31	17.64	17.50	19.00
20	256QAM	1	49	17.49	17.60	17.42	19.00
20	256QAM	1	99	17.41	17.82	17.69	19.00
20	256QAM	50	0	17.30	17.51	17.44	19.00
20	256QAM	50	24	17.40	17.65	17.68	19.00
20	256QAM	50	50	17.56	17.65	17.66	19.00
20	256QAM	100	0	17.55	17.73	17.51	19.00
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	17.61	17.67	17.62	19.00



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15	QPSK	1	37	17.60	17.66	17.60	19.00
15	QPSK	1	74	17.48	17.65	17.50	19.00
15	QPSK	36	0	17.52	17.77	17.50	19.00
15	QPSK	36	20	17.50	17.66	17.45	19.00
15	QPSK	36	39	17.40	17.74	17.48	19.00
15	QPSK	75	0	17.42	17.59	17.41	19.00
15	16QAM	1	0	17.45	17.78	17.61	19.00
15	16QAM	1	37	17.42	17.73	17.45	19.00
15	16QAM	1	74	17.57	17.57	17.53	19.00
15	16QAM	36	0	17.61	17.66	17.52	19.00
15	16QAM	36	20	17.49	17.72	17.50	19.00
15	16QAM	36	39	17.52	17.59	17.51	19.00
15	16QAM	75	0	17.57	17.73	17.55	19.00
15	64QAM	1	0	17.45	17.72	17.56	19.00
15	64QAM	1	37	17.41	17.60	17.42	19.00
15	64QAM	1	74	17.55	17.62	17.52	19.00
15	64QAM	36	0	17.50	17.73	17.64	19.00
15	64QAM	36	20	17.43	17.59	17.48	19.00
15	64QAM	36	39	17.39	17.57	17.39	19.00
15	64QAM	75	0	17.42	17.53	17.32	19.00
15	256QAM	1	0	17.23	17.61	17.40	19.00
15	256QAM	1	37	17.48	17.57	17.28	19.00
15	256QAM	1	74	17.34	17.69	17.63	19.00
15	256QAM	36	0	17.28	17.47	17.31	19.00
15	256QAM	36	20	17.25	17.56	17.54	19.00
15	256QAM	36	39	17.48	17.52	17.62	19.00
15	256QAM	75	0	17.42	17.59	17.37	19.00
Channel				43140	43340	43540	Tune-up limit
Frequency (MHz)				3555	3575	3595	(dBm)
10	QPSK	1	0	17.67	17.68	17.65	19.00
10	QPSK	1	25	17.56	17.64	17.61	19.00
10	QPSK	1	49	17.46	17.70	17.46	19.00
10	QPSK	25	0	17.50	17.70	17.57	19.00
10	QPSK	25	12	17.44	17.69	17.51	19.00
10	QPSK	25	25	17.45	17.70	17.57	19.00
10	QPSK	50	0	17.38	17.70	17.44	19.00
10	16QAM	1	0	17.55	17.65	17.54	19.00
10	16QAM	1	25	17.50	17.71	17.45	19.00
10	16QAM	1	49	17.46	17.67	17.58	19.00
10	16QAM	25	0	17.50	17.64	17.62	19.00
10	16QAM	25	12	17.50	17.64	17.60	19.00
10	16QAM	25	25	17.42	17.64	17.47	19.00
10	16QAM	50	0	17.47	17.64	17.43	19.00
10	64QAM	1	0	17.46	17.69	17.58	19.00
10	64QAM	1	25	17.52	17.62	17.44	19.00
10	64QAM	1	49	17.44	17.71	17.43	19.00
10	64QAM	25	0	17.57	17.73	17.55	19.00
10	64QAM	25	12	17.35	17.57	17.43	19.00
10	64QAM	25	25	17.46	17.63	17.42	19.00
10	64QAM	50	0	17.46	17.61	17.39	19.00
10	256QAM	1	0	17.22	17.51	17.44	19.00
10	256QAM	1	25	17.36	17.58	17.28	19.00
10	256QAM	1	49	17.37	17.80	17.64	19.00
10	256QAM	25	0	17.25	17.46	17.32	19.00
10	256QAM	25	12	17.38	17.57	17.53	19.00
10	256QAM	25	25	17.42	17.56	17.57	19.00
10	256QAM	50	0	17.51	17.59	17.49	19.00
Channel				43115	43340	43565	Tune-up limit
Frequency (MHz)				3552.5	3575	3597.5	(dBm)
5	QPSK	1	0	17.64	17.69	17.65	19.00
5	QPSK	1	12	17.55	17.69	17.51	19.00
5	QPSK	1	24	17.53	17.70	17.44	19.00
5	QPSK	12	0	17.50	17.69	17.55	19.00
5	QPSK	12	7	17.50	17.70	17.51	19.00
5	QPSK	12	13	17.42	17.71	17.53	19.00
5	QPSK	25	0	17.44	17.57	17.52	19.00
5	16QAM	1	0	17.48	17.66	17.53	19.00
5	16QAM	1	12	17.43	17.60	17.55	19.00
5	16QAM	1	24	17.53	17.69	17.54	19.00
5	16QAM	12	0	17.50	17.64	17.54	19.00
5	16QAM	12	7	17.55	17.70	17.61	19.00
5	16QAM	12	13	17.41	17.58	17.56	19.00
5	16QAM	25	0	17.59	17.66	17.45	19.00
5	64QAM	1	0	17.36	17.69	17.50	19.00
5	64QAM	1	12	17.41	17.58	17.51	19.00
5	64QAM	1	24	17.43	17.59	17.46	19.00
5	64QAM	12	0	17.58	17.61	17.54	19.00
5	64QAM	12	7	17.42	17.58	17.43	19.00



5	64QAM	12	13	17.46	17.58	17.45	19.00
5	64QAM	25	0	17.38	17.56	17.42	19.00
5	256QAM	1	0	17.29	17.61	17.35	19.00
5	256QAM	1	12	17.40	17.52	17.35	19.00
5	256QAM	1	24	17.26	17.70	17.63	19.00
5	256QAM	12	0	17.24	17.45	17.33	19.00
5	256QAM	12	7	17.34	17.64	17.59	19.00
5	256QAM	12	13	17.42	17.57	17.55	19.00
5	256QAM	25	0	17.49	17.66	17.49	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 5_Sensor off】

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	19.90	19.96	19.62	21.00
20	QPSK	1	49	19.82	19.93	19.56	21.00
20	QPSK	1	99	19.67	19.82	19.41	21.00
20	QPSK	50	0	18.88	18.99	18.54	20.00
20	QPSK	50	24	18.87	18.96	18.56	20.00
20	QPSK	50	50	18.84	18.94	18.58	20.00
20	QPSK	100	0	18.79	18.96	18.54	20.00
20	16QAM	1	0	18.74	18.92	18.57	20.00
20	16QAM	1	49	18.68	18.89	18.42	20.00
20	16QAM	1	99	18.70	18.84	18.46	20.00
20	16QAM	50	0	17.86	17.97	17.54	19.00
20	16QAM	50	24	17.74	17.92	17.49	19.00
20	16QAM	50	50	17.83	18.03	17.65	19.00
20	16QAM	100	0	17.81	17.95	17.58	19.00
20	64QAM	1	0	18.73	18.85	18.48	19.00
20	64QAM	1	49	18.64	18.83	18.37	19.00
20	64QAM	1	99	18.67	18.77	18.30	19.00
20	64QAM	50	0	17.84	17.94	17.49	18.00
20	64QAM	50	24	17.88	17.95	17.57	18.00
20	64QAM	50	50	17.83	17.99	17.56	18.00
20	64QAM	100	0	17.81	17.94	17.54	18.00
20	256QAM	1	0	14.79	14.87	14.60	16.00
20	256QAM	1	49	14.65	14.79	14.46	16.00
20	256QAM	1	99	14.75	14.83	14.43	16.00
20	256QAM	50	0	14.70	14.89	14.51	16.00
20	256QAM	50	24	14.75	14.87	14.56	16.00
20	256QAM	50	50	14.83	14.92	14.64	16.00
20	256QAM	100	0	14.69	14.86	14.49	16.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.86	19.82	19.53	21.00
15	QPSK	1	37	19.70	19.79	19.49	21.00
15	QPSK	1	74	19.57	19.79	19.30	21.00
15	QPSK	36	0	18.81	18.94	18.42	20.00
15	QPSK	36	20	18.82	18.92	18.48	20.00
15	QPSK	36	39	18.77	18.81	18.55	20.00
15	QPSK	75	0	18.77	18.84	18.50	20.00
15	16QAM	1	0	18.66	18.89	18.46	20.00
15	16QAM	1	37	18.63	18.75	18.40	20.00
15	16QAM	1	74	18.58	18.74	18.36	20.00
15	16QAM	36	0	17.80	17.95	17.45	19.00
15	16QAM	36	20	17.67	17.86	17.46	19.00
15	16QAM	36	39	17.69	17.91	17.57	19.00
15	16QAM	75	0	17.72	17.90	17.55	19.00
15	64QAM	1	0	18.65	18.76	18.41	19.00
15	64QAM	1	37	18.49	18.80	18.30	19.00
15	64QAM	1	74	18.56	18.73	18.21	19.00
15	64QAM	36	0	17.72	17.91	17.41	18.00
15	64QAM	36	20	17.77	17.92	17.52	18.00
15	64QAM	36	39	17.79	17.86	17.43	18.00
15	64QAM	75	0	17.78	17.91	17.52	18.00
15	256QAM	1	0	14.72	14.74	14.56	16.00
15	256QAM	1	37	14.53	14.76	14.43	16.00
15	256QAM	1	74	14.61	14.69	14.35	16.00
15	256QAM	36	0	14.65	14.78	14.46	16.00
15	256QAM	36	20	14.69	14.77	14.46	16.00
15	256QAM	36	39	14.71	14.85	14.57	16.00



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15	256QAM	75	0	14.56	14.79	14.44	16.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.78	19.86	19.48	21.00
10	QPSK	1	25	19.71	19.79	19.48	21.00
10	QPSK	1	49	19.53	19.74	19.33	21.00
10	QPSK	25	0	18.76	18.89	18.50	20.00
10	QPSK	25	12	18.84	18.88	18.48	20.00
10	QPSK	25	25	18.75	18.88	18.45	20.00
10	QPSK	50	0	18.65	18.95	18.40	20.00
10	16QAM	1	0	18.60	18.85	18.44	20.00
10	16QAM	1	25	18.62	18.79	18.27	20.00
10	16QAM	1	49	18.58	18.72	18.36	20.00
10	16QAM	25	0	17.74	17.94	17.43	19.00
10	16QAM	25	12	17.71	17.88	17.35	19.00
10	16QAM	25	25	17.77	17.90	17.57	19.00
10	16QAM	50	0	17.79	17.87	17.48	19.00
10	64QAM	1	0	18.71	18.73	18.34	19.00
10	64QAM	1	25	18.54	18.78	18.31	19.00
10	64QAM	1	49	18.64	18.73	18.18	19.00
10	64QAM	25	0	17.76	17.81	17.43	18.00
10	64QAM	25	12	17.73	17.91	17.56	18.00
10	64QAM	25	25	17.70	17.92	17.44	18.00
10	64QAM	50	0	17.71	17.93	17.52	18.00
10	256QAM	1	0	14.71	14.83	14.48	16.00
10	256QAM	1	25	14.58	14.76	14.34	16.00
10	256QAM	1	49	14.61	14.76	14.40	16.00
10	256QAM	25	0	14.57	14.75	14.42	16.00
10	256QAM	25	12	14.73	14.77	14.45	16.00
10	256QAM	25	25	14.81	14.90	14.63	16.00
10	256QAM	50	0	14.64	14.84	14.42	16.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	19.89	19.92	19.50	21.00
5	QPSK	1	12	19.79	19.91	19.44	21.00
5	QPSK	1	24	19.62	19.78	19.33	21.00
5	QPSK	12	0	18.77	18.85	18.49	20.00
5	QPSK	12	7	18.80	18.92	18.43	20.00
5	QPSK	12	13	18.71	18.91	18.55	20.00
5	QPSK	25	0	18.65	18.83	18.52	20.00
5	16QAM	1	0	18.59	18.83	18.48	20.00
5	16QAM	1	12	18.64	18.78	18.28	20.00
5	16QAM	1	24	18.66	18.82	18.34	20.00
5	16QAM	12	0	17.72	17.85	17.41	19.00
5	16QAM	12	7	17.72	17.87	17.42	19.00
5	16QAM	12	13	17.79	17.93	17.63	19.00
5	16QAM	25	0	17.73	17.86	17.43	19.00
5	64QAM	1	0	18.69	18.80	18.38	19.00
5	64QAM	1	12	18.54	18.72	18.23	19.00
5	64QAM	1	24	18.57	18.67	18.28	19.00
5	64QAM	12	0	17.78	17.92	17.43	18.00
5	64QAM	12	7	17.79	17.93	17.47	18.00
5	64QAM	12	13	17.72	17.97	17.42	18.00
5	64QAM	25	0	17.76	17.82	17.45	18.00
5	256QAM	1	0	14.65	14.81	14.45	16.00
5	256QAM	1	12	14.52	14.76	14.44	16.00
5	256QAM	1	24	14.62	14.78	14.38	16.00
5	256QAM	12	0	14.67	14.86	14.49	16.00
5	256QAM	12	7	14.72	14.84	14.50	16.00
5	256QAM	12	13	14.70	14.77	14.56	16.00
5	256QAM	25	0	14.58	14.82	14.40	16.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 5_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.90	19.96	19.62	21.00
20	QPSK	1	49	19.82	19.93	19.56	21.00
20	QPSK	1	99	19.67	19.82	19.41	21.00
20	QPSK	50	0	18.88	18.99	18.54	20.00
20	QPSK	50	24	18.87	18.96	18.56	20.00



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20	QPSK	50	50	18.84	18.94	18.58	20.00
20	QPSK	100	0	18.79	18.96	18.54	20.00
20	16QAM	1	0	18.74	18.92	18.57	20.00
20	16QAM	1	49	18.68	18.89	18.42	20.00
20	16QAM	1	99	18.70	18.84	18.46	20.00
20	16QAM	50	0	17.86	17.97	17.54	19.00
20	16QAM	50	24	17.74	17.92	17.49	19.00
20	16QAM	50	50	17.83	18.03	17.65	19.00
20	16QAM	100	0	17.81	17.95	17.58	19.00
20	64QAM	1	0	18.73	18.85	18.48	19.00
20	64QAM	1	49	18.64	18.83	18.37	19.00
20	64QAM	1	99	18.67	18.77	18.30	19.00
20	64QAM	50	0	17.84	17.94	17.49	18.00
20	64QAM	50	24	17.88	17.95	17.57	18.00
20	64QAM	50	50	17.83	17.99	17.56	18.00
20	64QAM	100	0	17.81	17.94	17.54	18.00
20	256QAM	1	0	14.79	14.87	14.60	16.00
20	256QAM	1	49	14.65	14.79	14.46	16.00
20	256QAM	1	99	14.75	14.83	14.43	16.00
20	256QAM	50	0	14.70	14.89	14.51	16.00
20	256QAM	50	24	14.75	14.87	14.56	16.00
20	256QAM	50	50	14.83	14.92	14.64	16.00
20	256QAM	100	0	14.69	14.86	14.49	16.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	19.86	19.82	19.53	21.00
15	QPSK	1	37	19.70	19.79	19.49	21.00
15	QPSK	1	74	19.57	19.79	19.30	21.00
15	QPSK	36	0	18.81	18.94	18.42	20.00
15	QPSK	36	20	18.82	18.92	18.48	20.00
15	QPSK	36	39	18.77	18.81	18.55	20.00
15	QPSK	75	0	18.77	18.84	18.50	20.00
15	16QAM	1	0	18.66	18.89	18.46	20.00
15	16QAM	1	37	18.63	18.75	18.40	20.00
15	16QAM	1	74	18.58	18.74	18.36	20.00
15	16QAM	36	0	17.80	17.95	17.45	19.00
15	16QAM	36	20	17.67	17.86	17.46	19.00
15	16QAM	36	39	17.69	17.91	17.57	19.00
15	16QAM	75	0	17.72	17.90	17.55	19.00
15	64QAM	1	0	18.65	18.76	18.41	19.00
15	64QAM	1	37	18.49	18.80	18.30	19.00
15	64QAM	1	74	18.56	18.73	18.21	19.00
15	64QAM	36	0	17.72	17.91	17.41	18.00
15	64QAM	36	20	17.77	17.92	17.52	18.00
15	64QAM	36	39	17.79	17.86	17.43	18.00
15	64QAM	75	0	17.78	17.91	17.52	18.00
15	256QAM	1	0	14.72	14.74	14.56	16.00
15	256QAM	1	37	14.53	14.76	14.43	16.00
15	256QAM	1	74	14.61	14.69	14.35	16.00
15	256QAM	36	0	14.65	14.78	14.46	16.00
15	256QAM	36	20	14.69	14.77	14.46	16.00
15	256QAM	36	39	14.71	14.85	14.57	16.00
15	256QAM	75	0	14.56	14.79	14.44	16.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.78	19.86	19.48	21.00
10	QPSK	1	25	19.71	19.79	19.48	21.00
10	QPSK	1	49	19.53	19.74	19.33	21.00
10	QPSK	25	0	18.76	18.89	18.50	20.00
10	QPSK	25	12	18.84	18.88	18.48	20.00
10	QPSK	25	25	18.75	18.88	18.45	20.00
10	QPSK	50	0	18.65	18.95	18.40	20.00
10	16QAM	1	0	18.60	18.85	18.44	20.00
10	16QAM	1	25	18.62	18.79	18.27	20.00
10	16QAM	1	49	18.58	18.72	18.36	20.00
10	16QAM	25	0	17.74	17.94	17.43	19.00
10	16QAM	25	12	17.71	17.88	17.35	19.00
10	16QAM	25	25	17.77	17.90	17.57	19.00
10	16QAM	50	0	17.79	17.87	17.48	19.00
10	64QAM	1	0	18.71	18.73	18.34	19.00
10	64QAM	1	25	18.54	18.78	18.31	19.00
10	64QAM	1	49	18.64	18.73	18.18	19.00
10	64QAM	25	0	17.76	17.81	17.43	18.00
10	64QAM	25	12	17.73	17.91	17.56	18.00
10	64QAM	25	25	17.70	17.92	17.44	18.00
10	64QAM	50	0	17.71	17.93	17.52	18.00
10	256QAM	1	0	14.71	14.83	14.48	16.00
10	256QAM	1	25	14.58	14.76	14.34	16.00



10	256QAM	1	49	14.61	14.76	14.40	16.00
10	256QAM	25	0	14.57	14.75	14.42	16.00
10	256QAM	25	12	14.73	14.77	14.45	16.00
10	256QAM	25	25	14.81	14.90	14.63	16.00
10	256QAM	50	0	14.64	14.84	14.42	16.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	19.89	19.92	19.50	21.00
5	QPSK	1	12	19.79	19.91	19.44	21.00
5	QPSK	1	24	19.62	19.78	19.33	21.00
5	QPSK	12	0	18.77	18.85	18.49	20.00
5	QPSK	12	7	18.80	18.92	18.43	20.00
5	QPSK	12	13	18.71	18.91	18.55	20.00
5	QPSK	25	0	18.65	18.83	18.52	20.00
5	16QAM	1	0	18.59	18.83	18.48	20.00
5	16QAM	1	12	18.64	18.78	18.28	20.00
5	16QAM	1	24	18.66	18.82	18.34	20.00
5	16QAM	12	0	17.72	17.85	17.41	19.00
5	16QAM	12	7	17.72	17.87	17.42	19.00
5	16QAM	12	13	17.79	17.93	17.63	19.00
5	16QAM	25	0	17.73	17.86	17.43	19.00
5	64QAM	1	0	18.69	18.80	18.38	19.00
5	64QAM	1	12	18.54	18.72	18.23	19.00
5	64QAM	1	24	18.57	18.67	18.28	19.00
5	64QAM	12	0	17.78	17.92	17.43	18.00
5	64QAM	12	7	17.79	17.93	17.47	18.00
5	64QAM	12	13	17.72	17.97	17.42	18.00
5	64QAM	25	0	17.76	17.82	17.45	18.00
5	256QAM	1	0	14.65	14.81	14.45	16.00
5	256QAM	1	12	14.52	14.76	14.44	16.00
5	256QAM	1	24	14.62	14.78	14.38	16.00
5	256QAM	12	0	14.67	14.86	14.49	16.00
5	256QAM	12	7	14.72	14.84	14.50	16.00
5	256QAM	12	13	14.70	14.77	14.56	16.00
5	256QAM	25	0	14.58	14.82	14.40	16.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 5_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.90	19.96	19.62	21.00
20	QPSK	1	49	19.82	19.93	19.56	21.00
20	QPSK	1	99	19.67	19.82	19.41	21.00
20	QPSK	50	0	18.88	18.99	18.54	20.00
20	QPSK	50	24	18.87	18.96	18.56	20.00
20	QPSK	50	50	18.84	18.94	18.58	20.00
20	QPSK	100	0	18.79	18.96	18.54	20.00
20	16QAM	1	0	18.74	18.92	18.57	20.00
20	16QAM	1	49	18.68	18.89	18.42	20.00
20	16QAM	1	99	18.70	18.84	18.46	20.00
20	16QAM	50	0	17.86	17.97	17.54	19.00
20	16QAM	50	24	17.74	17.92	17.49	19.00
20	16QAM	50	50	17.83	18.03	17.65	19.00
20	16QAM	100	0	17.81	17.95	17.58	19.00
20	64QAM	1	0	18.73	18.85	18.48	19.00
20	64QAM	1	49	18.64	18.83	18.37	19.00
20	64QAM	1	99	18.67	18.77	18.30	19.00
20	64QAM	50	0	17.84	17.94	17.49	18.00
20	64QAM	50	24	17.88	17.95	17.57	18.00
20	64QAM	50	50	17.83	17.99	17.56	18.00
20	64QAM	100	0	17.81	17.94	17.54	18.00
20	256QAM	1	0	14.79	14.87	14.60	16.00
20	256QAM	1	49	14.65	14.79	14.46	16.00
20	256QAM	1	99	14.75	14.83	14.43	16.00
20	256QAM	50	0	14.70	14.89	14.51	16.00
20	256QAM	50	24	14.75	14.87	14.56	16.00
20	256QAM	50	50	14.83	14.92	14.64	16.00
20	256QAM	100	0	14.69	14.86	14.49	16.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.86	19.82	19.53	21.00



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15	QPSK	1	37	19.70	19.79	19.49	21.00
15	QPSK	1	74	19.57	19.79	19.30	21.00
15	QPSK	36	0	18.81	18.94	18.42	20.00
15	QPSK	36	20	18.82	18.92	18.48	20.00
15	QPSK	36	39	18.77	18.81	18.55	20.00
15	QPSK	75	0	18.77	18.84	18.50	20.00
15	16QAM	1	0	18.66	18.89	18.46	20.00
15	16QAM	1	37	18.63	18.75	18.40	20.00
15	16QAM	1	74	18.58	18.74	18.36	20.00
15	16QAM	36	0	17.80	17.95	17.45	19.00
15	16QAM	36	20	17.67	17.86	17.46	19.00
15	16QAM	36	39	17.69	17.91	17.57	19.00
15	16QAM	75	0	17.72	17.90	17.55	19.00
15	64QAM	1	0	18.65	18.76	18.41	19.00
15	64QAM	1	37	18.49	18.80	18.30	19.00
15	64QAM	1	74	18.56	18.73	18.21	19.00
15	64QAM	36	0	17.72	17.91	17.41	18.00
15	64QAM	36	20	17.77	17.92	17.52	18.00
15	64QAM	36	39	17.79	17.86	17.43	18.00
15	64QAM	75	0	17.78	17.91	17.52	18.00
15	256QAM	1	0	14.72	14.74	14.56	16.00
15	256QAM	1	37	14.53	14.76	14.43	16.00
15	256QAM	1	74	14.61	14.69	14.35	16.00
15	256QAM	36	0	14.65	14.78	14.46	16.00
15	256QAM	36	20	14.69	14.77	14.46	16.00
15	256QAM	36	39	14.71	14.85	14.57	16.00
15	256QAM	75	0	14.56	14.79	14.44	16.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.78	19.86	19.48	21.00
10	QPSK	1	25	19.71	19.79	19.48	21.00
10	QPSK	1	49	19.53	19.74	19.33	21.00
10	QPSK	25	0	18.76	18.89	18.50	20.00
10	QPSK	25	12	18.84	18.88	18.48	20.00
10	QPSK	25	25	18.75	18.88	18.45	20.00
10	QPSK	50	0	18.65	18.95	18.40	20.00
10	16QAM	1	0	18.60	18.85	18.44	20.00
10	16QAM	1	25	18.62	18.79	18.27	20.00
10	16QAM	1	49	18.58	18.72	18.36	20.00
10	16QAM	25	0	17.74	17.94	17.43	19.00
10	16QAM	25	12	17.71	17.88	17.35	19.00
10	16QAM	25	25	17.77	17.90	17.57	19.00
10	16QAM	50	0	17.79	17.87	17.48	19.00
10	64QAM	1	0	18.71	18.73	18.34	19.00
10	64QAM	1	25	18.54	18.78	18.31	19.00
10	64QAM	1	49	18.64	18.73	18.18	19.00
10	64QAM	25	0	17.76	17.81	17.43	18.00
10	64QAM	25	12	17.73	17.91	17.56	18.00
10	64QAM	25	25	17.70	17.92	17.44	18.00
10	64QAM	50	0	17.71	17.93	17.52	18.00
10	256QAM	1	0	14.71	14.83	14.48	16.00
10	256QAM	1	25	14.58	14.76	14.34	16.00
10	256QAM	1	49	14.61	14.76	14.40	16.00
10	256QAM	25	0	14.57	14.75	14.42	16.00
10	256QAM	25	12	14.73	14.77	14.45	16.00
10	256QAM	25	25	14.81	14.90	14.63	16.00
10	256QAM	50	0	14.64	14.84	14.42	16.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	19.89	19.92	19.50	21.00
5	QPSK	1	12	19.79	19.91	19.44	21.00
5	QPSK	1	24	19.62	19.78	19.33	21.00
5	QPSK	12	0	18.77	18.85	18.49	20.00
5	QPSK	12	7	18.80	18.92	18.43	20.00
5	QPSK	12	13	18.71	18.91	18.55	20.00
5	QPSK	25	0	18.65	18.83	18.52	20.00
5	16QAM	1	0	18.59	18.83	18.48	20.00
5	16QAM	1	12	18.64	18.78	18.28	20.00
5	16QAM	1	24	18.66	18.82	18.34	20.00
5	16QAM	12	0	17.72	17.85	17.41	19.00
5	16QAM	12	7	17.72	17.87	17.42	19.00
5	16QAM	12	13	17.79	17.93	17.63	19.00
5	16QAM	25	0	17.73	17.86	17.43	19.00
5	64QAM	1	0	18.69	18.80	18.38	19.00
5	64QAM	1	12	18.54	18.72	18.23	19.00
5	64QAM	1	24	18.57	18.67	18.28	19.00
5	64QAM	12	0	17.78	17.92	17.43	18.00
5	64QAM	12	7	17.79	17.93	17.47	18.00



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5	64QAM	12	13	17.72	17.97	17.42	18.00
5	64QAM	25	0	17.76	17.82	17.45	18.00
5	256QAM	1	0	14.65	14.81	14.45	16.00
5	256QAM	1	12	14.52	14.76	14.44	16.00
5	256QAM	1	24	14.62	14.78	14.38	16.00
5	256QAM	12	0	14.67	14.86	14.49	16.00
5	256QAM	12	7	14.72	14.84	14.50	16.00
5	256QAM	12	13	14.70	14.77	14.56	16.00
5	256QAM	25	0	14.58	14.82	14.40	16.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 5_Hotspot on】

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	19.90	19.96	19.62	21.00
20	QPSK	1	49	19.82	19.93	19.56	21.00
20	QPSK	1	99	19.67	19.82	19.41	21.00
20	QPSK	50	0	18.88	18.99	18.54	20.00
20	QPSK	50	24	18.87	18.96	18.56	20.00
20	QPSK	50	50	18.84	18.94	18.58	20.00
20	QPSK	100	0	18.79	18.96	18.54	20.00
20	16QAM	1	0	18.74	18.92	18.57	20.00
20	16QAM	1	49	18.68	18.89	18.42	20.00
20	16QAM	1	99	18.70	18.84	18.46	20.00
20	16QAM	50	0	17.86	17.97	17.54	19.00
20	16QAM	50	24	17.74	17.92	17.49	19.00
20	16QAM	50	50	17.83	18.03	17.65	19.00
20	16QAM	100	0	17.81	17.95	17.58	19.00
20	64QAM	1	0	18.73	18.85	18.48	19.00
20	64QAM	1	49	18.64	18.83	18.37	19.00
20	64QAM	1	99	18.67	18.77	18.30	19.00
20	64QAM	50	0	17.84	17.94	17.49	18.00
20	64QAM	50	24	17.88	17.95	17.57	18.00
20	64QAM	50	50	17.83	17.99	17.56	18.00
20	64QAM	100	0	17.81	17.94	17.54	18.00
20	256QAM	1	0	14.79	14.87	14.60	16.00
20	256QAM	1	49	14.65	14.79	14.46	16.00
20	256QAM	1	99	14.75	14.83	14.43	16.00
20	256QAM	50	0	14.70	14.89	14.51	16.00
20	256QAM	50	24	14.75	14.87	14.56	16.00
20	256QAM	50	50	14.83	14.92	14.64	16.00
20	256QAM	100	0	14.69	14.86	14.49	16.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.86	19.82	19.53	21.00
15	QPSK	1	37	19.70	19.79	19.49	21.00
15	QPSK	1	74	19.57	19.79	19.30	21.00
15	QPSK	36	0	18.81	18.94	18.42	20.00
15	QPSK	36	20	18.82	18.92	18.48	20.00
15	QPSK	36	39	18.77	18.81	18.55	20.00
15	QPSK	75	0	18.77	18.84	18.50	20.00
15	16QAM	1	0	18.66	18.89	18.46	20.00
15	16QAM	1	37	18.63	18.75	18.40	20.00
15	16QAM	1	74	18.58	18.74	18.36	20.00
15	16QAM	36	0	17.80	17.95	17.45	19.00
15	16QAM	36	20	17.67	17.86	17.46	19.00
15	16QAM	36	39	17.69	17.91	17.57	19.00
15	16QAM	75	0	17.72	17.90	17.55	19.00
15	64QAM	1	0	18.65	18.76	18.41	19.00
15	64QAM	1	37	18.49	18.80	18.30	19.00
15	64QAM	1	74	18.56	18.73	18.21	19.00
15	64QAM	36	0	17.72	17.91	17.41	18.00
15	64QAM	36	20	17.77	17.92	17.52	18.00
15	64QAM	36	39	17.79	17.86	17.43	18.00
15	64QAM	75	0	17.78	17.91	17.52	18.00
15	256QAM	1	0	14.72	14.74	14.56	16.00
15	256QAM	1	37	14.53	14.76	14.43	16.00
15	256QAM	1	74	14.61	14.69	14.35	16.00
15	256QAM	36	0	14.65	14.78	14.46	16.00
15	256QAM	36	20	14.69	14.77	14.46	16.00
15	256QAM	36	39	14.71	14.85	14.57	16.00



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15	256QAM	75	0	14.56	14.79	14.44	16.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	19.78	19.86	19.48	21.00
10	QPSK	1	25	19.71	19.79	19.48	21.00
10	QPSK	1	49	19.53	19.74	19.33	21.00
10	QPSK	25	0	18.76	18.89	18.50	20.00
10	QPSK	25	12	18.84	18.88	18.48	20.00
10	QPSK	25	25	18.75	18.88	18.45	20.00
10	QPSK	50	0	18.65	18.95	18.40	20.00
10	16QAM	1	0	18.60	18.85	18.44	20.00
10	16QAM	1	25	18.62	18.79	18.27	20.00
10	16QAM	1	49	18.58	18.72	18.36	20.00
10	16QAM	25	0	17.74	17.94	17.43	19.00
10	16QAM	25	12	17.71	17.88	17.35	19.00
10	16QAM	25	25	17.77	17.90	17.57	19.00
10	16QAM	50	0	17.79	17.87	17.48	19.00
10	64QAM	1	0	18.71	18.73	18.34	19.00
10	64QAM	1	25	18.54	18.78	18.31	19.00
10	64QAM	1	49	18.64	18.73	18.18	19.00
10	64QAM	25	0	17.76	17.81	17.43	18.00
10	64QAM	25	12	17.73	17.91	17.56	18.00
10	64QAM	25	25	17.70	17.92	17.44	18.00
10	64QAM	50	0	17.71	17.93	17.52	18.00
10	256QAM	1	0	14.71	14.83	14.48	16.00
10	256QAM	1	25	14.58	14.76	14.34	16.00
10	256QAM	1	49	14.61	14.76	14.40	16.00
10	256QAM	25	0	14.57	14.75	14.42	16.00
10	256QAM	25	12	14.73	14.77	14.45	16.00
10	256QAM	25	25	14.81	14.90	14.63	16.00
10	256QAM	50	0	14.64	14.84	14.42	16.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	19.89	19.92	19.50	21.00
5	QPSK	1	12	19.79	19.91	19.44	21.00
5	QPSK	1	24	19.62	19.78	19.33	21.00
5	QPSK	12	0	18.77	18.85	18.49	20.00
5	QPSK	12	7	18.80	18.92	18.43	20.00
5	QPSK	12	13	18.71	18.91	18.55	20.00
5	QPSK	25	0	18.65	18.83	18.52	20.00
5	16QAM	1	0	18.59	18.83	18.48	20.00
5	16QAM	1	12	18.64	18.78	18.28	20.00
5	16QAM	1	24	18.66	18.82	18.34	20.00
5	16QAM	12	0	17.72	17.85	17.41	19.00
5	16QAM	12	7	17.72	17.87	17.42	19.00
5	16QAM	12	13	17.79	17.93	17.63	19.00
5	16QAM	25	0	17.73	17.86	17.43	19.00
5	64QAM	1	0	18.69	18.80	18.38	19.00
5	64QAM	1	12	18.54	18.72	18.23	19.00
5	64QAM	1	24	18.57	18.67	18.28	19.00
5	64QAM	12	0	17.78	17.92	17.43	18.00
5	64QAM	12	7	17.79	17.93	17.47	18.00
5	64QAM	12	13	17.72	17.97	17.42	18.00
5	64QAM	25	0	17.76	17.82	17.45	18.00
5	256QAM	1	0	14.65	14.81	14.45	16.00
5	256QAM	1	12	14.52	14.76	14.44	16.00
5	256QAM	1	24	14.62	14.78	14.38	16.00
5	256QAM	12	0	14.67	14.86	14.49	16.00
5	256QAM	12	7	14.72	14.84	14.50	16.00
5	256QAM	12	13	14.70	14.77	14.56	16.00
5	256QAM	25	0	14.58	14.82	14.40	16.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 7_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.54	23.65	23.46	24.00
20	QPSK	1	49	23.40	23.61	23.39	24.00
20	QPSK	1	99	23.35	23.52	23.29	24.00
20	QPSK	50	0	22.50	22.69	22.39	23.00
20	QPSK	50	24	22.43	22.63	22.32	23.00



20	QPSK	50	50	22.37	22.61	22.30	23.00
20	QPSK	100	0	22.49	22.66	22.38	23.00
20	16QAM	1	0	22.67	22.91	22.63	23.00
20	16QAM	1	49	22.65	22.81	22.59	23.00
20	16QAM	1	99	22.53	22.67	22.39	23.00
20	16QAM	50	0	21.74	21.90	21.67	22.00
20	16QAM	50	24	21.77	21.96	21.66	22.00
20	16QAM	50	50	21.52	21.70	21.47	22.00
20	16QAM	100	0	21.69	21.86	21.55	22.00
20	64QAM	1	0	21.69	21.93	21.62	22.00
20	64QAM	1	49	21.68	21.89	21.63	22.00
20	64QAM	1	99	21.59	21.82	21.59	22.00
20	64QAM	50	0	20.70	20.88	20.70	21.00
20	64QAM	50	24	20.63	20.86	20.57	21.00
20	64QAM	50	50	20.62	20.74	20.44	21.00
20	64QAM	100	0	20.71	20.85	20.58	21.00
20	256QAM	1	0	18.79	18.90	18.71	19.00
20	256QAM	1	49	18.57	18.73	18.49	19.00
20	256QAM	1	99	18.27	18.44	18.26	19.00
20	256QAM	50	0	18.68	18.85	18.67	19.00
20	256QAM	50	24	18.68	18.83	18.63	19.00
20	256QAM	50	50	18.56	18.74	18.54	19.00
20	256QAM	100	0	18.66	18.82	18.62	19.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	23.46	23.60	23.37	24.00
15	QPSK	1	37	23.26	23.54	23.36	24.00
15	QPSK	1	74	23.25	23.46	23.14	24.00
15	QPSK	36	0	22.47	22.55	22.35	23.00
15	QPSK	36	20	22.34	22.54	22.27	23.00
15	QPSK	36	39	22.29	22.53	22.24	23.00
15	QPSK	75	0	22.44	22.60	22.35	23.00
15	16QAM	1	0	22.60	22.87	22.59	23.00
15	16QAM	1	37	22.52	22.78	22.47	23.00
15	16QAM	1	74	22.47	22.54	22.31	23.00
15	16QAM	36	0	21.63	21.80	21.57	22.00
15	16QAM	36	20	21.70	21.91	21.61	22.00
15	16QAM	36	39	21.47	21.61	21.44	22.00
15	16QAM	75	0	21.57	21.85	21.54	22.00
15	64QAM	1	0	21.61	21.79	21.55	22.00
15	64QAM	1	37	21.58	21.81	21.56	22.00
15	64QAM	1	74	21.50	21.72	21.50	22.00
15	64QAM	36	0	20.65	20.86	20.57	21.00
15	64QAM	36	20	20.50	20.81	20.53	21.00
15	64QAM	36	39	20.51	20.64	20.31	21.00
15	64QAM	75	0	20.60	20.75	20.46	21.00
15	256QAM	1	0	18.78	18.76	18.57	19.00
15	256QAM	1	37	18.51	18.63	18.40	19.00
15	256QAM	1	74	18.22	18.32	18.16	19.00
15	256QAM	36	0	18.56	18.79	18.60	19.00
15	256QAM	36	20	18.59	18.71	18.56	19.00
15	256QAM	36	39	18.52	18.66	18.46	19.00
15	256QAM	75	0	18.60	18.71	18.50	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	23.43	23.58	23.35	24.00
10	QPSK	1	25	23.29	23.51	23.30	24.00
10	QPSK	1	49	23.27	23.49	23.23	24.00
10	QPSK	25	0	22.42	22.60	22.25	23.00
10	QPSK	25	12	22.41	22.57	22.25	23.00
10	QPSK	25	25	22.32	22.47	22.15	23.00
10	QPSK	50	0	22.37	22.52	22.26	23.00
10	16QAM	1	0	22.62	22.88	22.57	23.00
10	16QAM	1	25	22.58	22.66	22.53	23.00
10	16QAM	1	49	22.39	22.65	22.24	23.00
10	16QAM	25	0	21.67	21.84	21.56	22.00
10	16QAM	25	12	21.64	21.85	21.62	22.00
10	16QAM	25	25	21.45	21.66	21.42	22.00
10	16QAM	50	0	21.61	21.76	21.45	22.00
10	64QAM	1	0	21.65	21.88	21.58	22.00
10	64QAM	1	25	21.55	21.79	21.55	22.00
10	64QAM	1	49	21.53	21.76	21.58	22.00
10	64QAM	25	0	20.59	20.86	20.57	21.00
10	64QAM	25	12	20.54	20.77	20.47	21.00
10	64QAM	25	25	20.57	20.70	20.37	21.00
10	64QAM	50	0	20.57	20.82	20.56	21.00
10	256QAM	1	0	18.74	18.76	18.58	19.00
10	256QAM	1	25	18.48	18.67	18.40	19.00



10	256QAM	1	49	18.14	18.35	18.15	19.00
10	256QAM	25	0	18.54	18.83	18.64	19.00
10	256QAM	25	12	18.65	18.68	18.52	19.00
10	256QAM	25	25	18.42	18.65	18.52	19.00
10	256QAM	50	0	18.52	18.78	18.49	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	23.39	23.62	23.37	24.00
5	QPSK	1	12	23.30	23.53	23.25	24.00
5	QPSK	1	24	23.26	23.41	23.17	24.00
5	QPSK	12	0	22.40	22.61	22.33	23.00
5	QPSK	12	7	22.31	22.59	22.27	23.00
5	QPSK	12	13	22.34	22.56	22.20	23.00
5	QPSK	25	0	22.43	22.63	22.36	23.00
5	16QAM	1	0	22.58	22.79	22.55	23.00
5	16QAM	1	12	22.52	22.73	22.48	23.00
5	16QAM	1	24	22.41	22.57	22.30	23.00
5	16QAM	12	0	21.65	21.83	21.55	22.00
5	16QAM	12	7	21.72	21.92	21.58	22.00
5	16QAM	12	13	21.46	21.60	21.36	22.00
5	16QAM	25	0	21.64	21.83	21.42	22.00
5	64QAM	1	0	21.55	21.83	21.52	22.00
5	64QAM	1	12	21.64	21.80	21.59	22.00
5	64QAM	1	24	21.53	21.69	21.50	22.00
5	64QAM	12	0	20.64	20.75	20.56	21.00
5	64QAM	12	7	20.56	20.73	20.47	21.00
5	64QAM	12	13	20.54	20.70	20.33	21.00
5	64QAM	25	0	20.65	20.71	20.48	21.00
5	256QAM	1	0	18.73	18.77	18.60	19.00
5	256QAM	1	12	18.50	18.68	18.39	19.00
5	256QAM	1	24	18.15	18.29	18.23	19.00
5	256QAM	12	0	18.66	18.75	18.59	19.00
5	256QAM	12	7	18.66	18.77	18.58	19.00
5	256QAM	12	13	18.45	18.65	18.45	19.00
5	256QAM	25	0	18.64	18.81	18.55	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 7_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	22.64	22.71	22.53	24.00
20	QPSK	1	49	22.40	22.61	22.43	24.00
20	QPSK	1	99	22.44	22.54	22.17	24.00
20	QPSK	50	0	22.50	22.69	22.39	24.00
20	QPSK	50	24	22.43	22.63	22.32	24.00
20	QPSK	50	50	22.37	22.61	22.30	24.00
20	QPSK	100	0	22.49	22.66	22.38	24.00
20	16QAM	1	0	22.67	22.91	22.63	24.00
20	16QAM	1	49	22.65	22.81	22.59	24.00
20	16QAM	1	99	22.53	22.67	22.39	24.00
20	16QAM	50	0	21.74	21.90	21.67	23.00
20	16QAM	50	24	21.77	21.96	21.66	23.00
20	16QAM	50	50	21.52	21.70	21.47	23.00
20	16QAM	100	0	21.69	21.86	21.55	23.00
20	64QAM	1	0	21.69	21.93	21.62	23.00
20	64QAM	1	49	21.68	21.89	21.63	23.00
20	64QAM	1	99	21.59	21.82	21.59	23.00
20	64QAM	50	0	20.70	20.88	20.70	22.00
20	64QAM	50	24	20.63	20.86	20.57	22.00
20	64QAM	50	50	20.62	20.74	20.44	22.00
20	64QAM	100	0	20.71	20.85	20.58	22.00
20	256QAM	1	0	18.79	18.90	18.71	20.00
20	256QAM	1	49	18.57	18.73	18.49	20.00
20	256QAM	1	99	18.27	18.44	18.26	20.00
20	256QAM	50	0	18.68	18.85	18.67	20.00
20	256QAM	50	24	18.68	18.83	18.63	20.00
20	256QAM	50	50	18.56	18.74	18.54	20.00
20	256QAM	100	0	18.66	18.82	18.62	20.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	22.52	22.58	22.49	24.00



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15	QPSK	1	37	22.37	22.50	22.34	24.00
15	QPSK	1	74	22.37	22.42	22.07	24.00
15	QPSK	36	0	22.41	22.63	22.28	24.00
15	QPSK	36	20	22.37	22.57	22.27	24.00
15	QPSK	36	39	22.35	22.55	22.15	24.00
15	QPSK	75	0	22.35	22.65	22.27	24.00
15	16QAM	1	0	22.64	22.70	22.53	24.00
15	16QAM	1	37	22.53	22.70	22.52	24.00
15	16QAM	1	74	22.41	22.58	22.30	24.00
15	16QAM	36	0	21.66	21.79	21.61	23.00
15	16QAM	36	20	21.74	21.83	21.63	23.00
15	16QAM	36	39	21.48	21.58	21.42	23.00
15	16QAM	75	0	21.56	21.77	21.43	23.00
15	64QAM	1	0	21.62	21.82	21.54	23.00
15	64QAM	1	37	21.55	21.76	21.58	23.00
15	64QAM	1	74	21.52	21.73	21.54	23.00
15	64QAM	36	0	20.65	20.87	20.60	22.00
15	64QAM	36	20	20.59	20.82	20.43	22.00
15	64QAM	36	39	20.48	20.65	20.31	22.00
15	64QAM	75	0	20.59	20.79	20.46	22.00
15	256QAM	1	0	18.68	18.85	18.66	20.00
15	256QAM	1	37	18.45	18.58	18.45	20.00
15	256QAM	1	74	18.17	18.37	18.20	20.00
15	256QAM	36	0	18.59	18.79	18.61	20.00
15	256QAM	36	20	18.58	18.81	18.58	20.00
15	256QAM	36	39	18.42	18.72	18.44	20.00
15	256QAM	75	0	18.55	18.67	18.49	20.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	22.54	22.63	22.41	24.00
10	QPSK	1	25	22.39	22.51	22.35	24.00
10	QPSK	1	49	22.39	22.45	22.14	24.00
10	QPSK	25	0	22.43	22.62	22.30	24.00
10	QPSK	25	12	22.32	22.53	22.23	24.00
10	QPSK	25	25	22.27	22.59	22.21	24.00
10	QPSK	50	0	22.37	22.64	22.30	24.00
10	16QAM	1	0	22.53	22.71	22.51	24.00
10	16QAM	1	25	22.56	22.71	22.51	24.00
10	16QAM	1	49	22.44	22.63	22.35	24.00
10	16QAM	25	0	21.60	21.82	21.66	23.00
10	16QAM	25	12	21.65	21.87	21.56	23.00
10	16QAM	25	25	21.42	21.65	21.41	23.00
10	16QAM	50	0	21.59	21.75	21.44	23.00
10	64QAM	1	0	21.60	21.85	21.54	23.00
10	64QAM	1	25	21.66	21.84	21.59	23.00
10	64QAM	1	49	21.56	21.70	21.57	23.00
10	64QAM	25	0	20.58	20.73	20.67	22.00
10	64QAM	25	12	20.50	20.80	20.49	22.00
10	64QAM	25	25	20.49	20.67	20.41	22.00
10	64QAM	50	0	20.62	20.73	20.50	22.00
10	256QAM	1	0	18.71	18.80	18.65	20.00
10	256QAM	1	25	18.46	18.68	18.36	20.00
10	256QAM	1	49	18.22	18.36	18.25	20.00
10	256QAM	25	0	18.61	18.81	18.56	20.00
10	256QAM	25	12	18.58	18.75	18.54	20.00
10	256QAM	25	25	18.47	18.70	18.44	20.00
10	256QAM	50	0	18.63	18.77	18.56	20.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	22.56	22.63	22.49	24.00
5	QPSK	1	12	22.37	22.46	22.41	24.00
5	QPSK	1	24	22.41	22.41	22.03	24.00
5	QPSK	12	0	22.41	22.60	22.36	24.00
5	QPSK	12	7	22.41	22.56	22.18	24.00
5	QPSK	12	13	22.35	22.60	22.15	24.00
5	QPSK	25	0	22.44	22.54	22.30	24.00
5	16QAM	1	0	22.54	22.71	22.52	24.00
5	16QAM	1	12	22.60	22.71	22.52	24.00
5	16QAM	1	24	22.48	22.54	22.37	24.00
5	16QAM	12	0	21.64	21.82	21.59	23.00
5	16QAM	12	7	21.65	21.91	21.52	23.00
5	16QAM	12	13	21.39	21.60	21.43	23.00
5	16QAM	25	0	21.64	21.77	21.50	23.00
5	64QAM	1	0	21.62	21.84	21.47	23.00
5	64QAM	1	12	21.61	21.85	21.61	23.00
5	64QAM	1	24	21.47	21.73	21.58	23.00
5	64QAM	12	0	20.58	20.80	20.57	22.00
5	64QAM	12	7	20.50	20.83	20.47	22.00



5	64QAM	12	13	20.58	20.68	20.40	22.00
5	64QAM	25	0	20.61	20.73	20.49	22.00
5	256QAM	1	0	18.66	18.78	18.67	20.00
5	256QAM	1	12	18.46	18.62	18.45	20.00
5	256QAM	1	24	18.15	18.38	18.20	20.00
5	256QAM	12	0	18.58	18.76	18.65	20.00
5	256QAM	12	7	18.57	18.77	18.59	20.00
5	256QAM	12	13	18.50	18.70	18.40	20.00
5	256QAM	25	0	18.59	18.72	18.48	20.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 7_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.63	18.69	18.62	19.00
20	QPSK	1	49	18.49	18.60	18.47	19.00
20	QPSK	1	99	18.42	18.63	18.42	19.00
20	QPSK	50	0	18.56	18.66	18.51	19.00
20	QPSK	50	24	18.46	18.58	18.42	19.00
20	QPSK	50	50	18.34	18.53	18.33	19.00
20	QPSK	100	0	18.35	18.55	18.41	19.00
20	16QAM	1	0	18.39	18.59	18.39	19.00
20	16QAM	1	49	18.45	18.52	18.44	19.00
20	16QAM	1	99	18.49	18.62	18.40	19.00
20	16QAM	50	0	18.50	18.60	18.40	19.00
20	16QAM	50	24	18.42	18.54	18.43	19.00
20	16QAM	50	50	18.46	18.58	18.47	19.00
20	16QAM	100	0	18.33	18.53	18.42	19.00
20	64QAM	1	0	18.35	18.51	18.36	19.00
20	64QAM	1	49	18.40	18.55	18.41	19.00
20	64QAM	1	99	18.38	18.59	18.39	19.00
20	64QAM	50	0	18.39	18.54	18.42	19.00
20	64QAM	50	24	18.38	18.58	18.49	19.00
20	64QAM	50	50	18.41	18.53	18.40	19.00
20	64QAM	100	0	18.33	18.50	18.35	19.00
20	256QAM	1	0	18.42	18.52	18.31	19.00
20	256QAM	1	49	18.42	18.56	18.35	19.00
20	256QAM	1	99	18.32	18.51	18.40	19.00
20	256QAM	50	0	18.39	18.59	18.38	19.00
20	256QAM	50	24	18.50	18.60	18.42	19.00
20	256QAM	50	50	18.44	18.55	18.36	19.00
20	256QAM	100	0	18.40	18.53	18.42	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	18.49	18.58	18.57	19.00
15	QPSK	1	37	18.46	18.50	18.36	19.00
15	QPSK	1	74	18.38	18.49	18.31	19.00
15	QPSK	36	0	18.53	18.64	18.48	19.00
15	QPSK	36	20	18.36	18.51	18.29	19.00
15	QPSK	36	39	18.31	18.47	18.31	19.00
15	QPSK	75	0	18.31	18.53	18.29	19.00
15	16QAM	1	0	18.25	18.44	18.26	19.00
15	16QAM	1	37	18.44	18.45	18.43	19.00
15	16QAM	1	74	18.48	18.59	18.34	19.00
15	16QAM	36	0	18.40	18.55	18.34	19.00
15	16QAM	36	20	18.34	18.42	18.42	19.00
15	16QAM	36	39	18.43	18.48	18.33	19.00
15	16QAM	75	0	18.24	18.39	18.38	19.00
15	64QAM	1	0	18.33	18.48	18.31	19.00
15	64QAM	1	37	18.34	18.43	18.32	19.00
15	64QAM	1	74	18.34	18.49	18.30	19.00
15	64QAM	36	0	18.28	18.42	18.31	19.00
15	64QAM	36	20	18.30	18.50	18.38	19.00
15	64QAM	36	39	18.28	18.52	18.31	19.00
15	64QAM	75	0	18.29	18.42	18.26	19.00
15	256QAM	1	0	18.40	18.46	18.17	19.00
15	256QAM	1	37	18.39	18.43	18.24	19.00
15	256QAM	1	74	18.27	18.41	18.32	19.00
15	256QAM	36	0	18.29	18.48	18.31	19.00
15	256QAM	36	20	18.41	18.57	18.33	19.00
15	256QAM	36	39	18.31	18.44	18.34	19.00



15	256QAM	75	0	18.27	18.51	18.31	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	18.59	18.55	18.56	19.00
10	QPSK	1	25	18.40	18.45	18.38	19.00
10	QPSK	1	49	18.38	18.58	18.31	19.00
10	QPSK	25	0	18.50	18.54	18.38	19.00
10	QPSK	25	12	18.42	18.52	18.31	19.00
10	QPSK	25	25	18.26	18.49	18.21	19.00
10	QPSK	50	0	18.23	18.43	18.33	19.00
10	16QAM	1	0	18.25	18.56	18.33	19.00
10	16QAM	1	25	18.39	18.44	18.31	19.00
10	16QAM	1	49	18.48	18.47	18.25	19.00
10	16QAM	25	0	18.36	18.51	18.33	19.00
10	16QAM	25	12	18.40	18.48	18.32	19.00
10	16QAM	25	25	18.38	18.54	18.35	19.00
10	16QAM	50	0	18.32	18.48	18.32	19.00
10	64QAM	1	0	18.33	18.46	18.25	19.00
10	64QAM	1	25	18.25	18.50	18.30	19.00
10	64QAM	1	49	18.35	18.57	18.26	19.00
10	64QAM	25	0	18.27	18.53	18.31	19.00
10	64QAM	25	12	18.35	18.50	18.42	19.00
10	64QAM	25	25	18.33	18.44	18.36	19.00
10	64QAM	50	0	18.28	18.48	18.20	19.00
10	256QAM	1	0	18.36	18.49	18.17	19.00
10	256QAM	1	25	18.39	18.53	18.25	19.00
10	256QAM	1	49	18.27	18.46	18.38	19.00
10	256QAM	25	0	18.35	18.55	18.28	19.00
10	256QAM	25	12	18.47	18.50	18.27	19.00
10	256QAM	25	25	18.36	18.51	18.32	19.00
10	256QAM	50	0	18.31	18.44	18.33	19.00
Channel				43615	44090	44565	Tune-up limit
Frequency (MHz)				3602.5	3650	3697.5	(dBm)
5	QPSK	1	0	18.53	18.65	18.54	19.00
5	QPSK	1	12	18.47	18.50	18.46	19.00
5	QPSK	1	24	18.29	18.56	18.35	19.00
5	QPSK	12	0	18.46	18.60	18.48	19.00
5	QPSK	12	7	18.41	18.49	18.38	19.00
5	QPSK	12	13	18.27	18.41	18.31	19.00
5	QPSK	25	0	18.28	18.40	18.40	19.00
5	16QAM	1	0	18.30	18.54	18.24	19.00
5	16QAM	1	12	18.41	18.50	18.40	19.00
5	16QAM	1	24	18.42	18.61	18.29	19.00
5	16QAM	12	0	18.40	18.55	18.36	19.00
5	16QAM	12	7	18.36	18.52	18.32	19.00
5	16QAM	12	13	18.43	18.49	18.38	19.00
5	16QAM	25	0	18.31	18.52	18.32	19.00
5	64QAM	1	0	18.28	18.38	18.25	19.00
5	64QAM	1	12	18.38	18.45	18.30	19.00
5	64QAM	1	24	18.25	18.46	18.38	19.00
5	64QAM	12	0	18.31	18.52	18.35	19.00
5	64QAM	12	7	18.28	18.49	18.42	19.00
5	64QAM	12	13	18.36	18.52	18.28	19.00
5	64QAM	25	0	18.18	18.44	18.34	19.00
5	256QAM	1	0	18.37	18.40	18.24	19.00
5	256QAM	1	12	18.39	18.53	18.21	19.00
5	256QAM	1	24	18.20	18.38	18.32	19.00
5	256QAM	12	0	18.25	18.51	18.34	19.00
5	256QAM	12	7	18.45	18.55	18.33	19.00
5	256QAM	12	13	18.40	18.41	18.23	19.00
5	256QAM	25	0	18.30	18.44	18.39	19.00

【LTE Band 43 (96)_FCC_Part 96 (3600~3700MHz)_Ant 7_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.63	18.69	18.62	19.00
20	QPSK	1	49	18.49	18.60	18.47	19.00
20	QPSK	1	99	18.42	18.63	18.42	19.00
20	QPSK	50	0	18.56	18.66	18.51	19.00
20	QPSK	50	24	18.46	18.58	18.42	19.00



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20	QPSK	50	50	18.34	18.53	18.33	19.00
20	QPSK	100	0	18.35	18.55	18.41	19.00
20	16QAM	1	0	18.39	18.59	18.39	19.00
20	16QAM	1	49	18.45	18.52	18.44	19.00
20	16QAM	1	99	18.49	18.62	18.40	19.00
20	16QAM	50	0	18.50	18.60	18.40	19.00
20	16QAM	50	24	18.42	18.54	18.43	19.00
20	16QAM	50	50	18.46	18.58	18.47	19.00
20	16QAM	100	0	18.33	18.53	18.42	19.00
20	64QAM	1	0	18.35	18.51	18.36	19.00
20	64QAM	1	49	18.40	18.55	18.41	19.00
20	64QAM	1	99	18.38	18.59	18.39	19.00
20	64QAM	50	0	18.39	18.54	18.42	19.00
20	64QAM	50	24	18.38	18.58	18.49	19.00
20	64QAM	50	50	18.41	18.53	18.40	19.00
20	64QAM	100	0	18.33	18.50	18.35	19.00
20	256QAM	1	0	18.42	18.52	18.31	19.00
20	256QAM	1	49	18.42	18.56	18.35	19.00
20	256QAM	1	99	18.32	18.51	18.40	19.00
20	256QAM	50	0	18.39	18.59	18.38	19.00
20	256QAM	50	24	18.50	18.60	18.42	19.00
20	256QAM	50	50	18.44	18.55	18.36	19.00
20	256QAM	100	0	18.40	18.53	18.42	19.00
Channel				43665	44090	44515	Tune-up limit
Frequency (MHz)				3607.5	3650	3692.5	(dBm)
15	QPSK	1	0	18.49	18.58	18.57	19.00
15	QPSK	1	37	18.46	18.50	18.36	19.00
15	QPSK	1	74	18.38	18.49	18.31	19.00
15	QPSK	36	0	18.53	18.64	18.48	19.00
15	QPSK	36	20	18.36	18.51	18.29	19.00
15	QPSK	36	39	18.31	18.47	18.31	19.00
15	QPSK	75	0	18.31	18.53	18.29	19.00
15	16QAM	1	0	18.25	18.44	18.26	19.00
15	16QAM	1	37	18.44	18.45	18.43	19.00
15	16QAM	1	74	18.48	18.59	18.34	19.00
15	16QAM	36	0	18.40	18.55	18.34	19.00
15	16QAM	36	20	18.34	18.42	18.42	19.00
15	16QAM	36	39	18.43	18.48	18.33	19.00
15	16QAM	75	0	18.24	18.39	18.38	19.00
15	64QAM	1	0	18.33	18.48	18.31	19.00
15	64QAM	1	37	18.34	18.43	18.32	19.00
15	64QAM	1	74	18.34	18.49	18.30	19.00
15	64QAM	36	0	18.28	18.42	18.31	19.00
15	64QAM	36	20	18.30	18.50	18.38	19.00
15	64QAM	36	39	18.28	18.52	18.31	19.00
15	64QAM	75	0	18.29	18.42	18.26	19.00
15	256QAM	1	0	18.40	18.46	18.17	19.00
15	256QAM	1	37	18.39	18.43	18.24	19.00
15	256QAM	1	74	18.27	18.41	18.32	19.00
15	256QAM	36	0	18.29	18.48	18.31	19.00
15	256QAM	36	20	18.41	18.57	18.33	19.00
15	256QAM	36	39	18.31	18.44	18.34	19.00
15	256QAM	75	0	18.27	18.51	18.31	19.00
Channel				43640	44090	44540	Tune-up limit
Frequency (MHz)				3605	3650	3695	(dBm)
10	QPSK	1	0	18.59	18.55	18.56	19.00
10	QPSK	1	25	18.40	18.45	18.38	19.00
10	QPSK	1	49	18.38	18.58	18.31	19.00
10	QPSK	25	0	18.50	18.54	18.38	19.00
10	QPSK	25	12	18.42	18.52	18.31	19.00
10	QPSK	25	25	18.26	18.49	18.21	19.00
10	QPSK	50	0	18.23	18.43	18.33	19.00
10	16QAM	1	0	18.25	18.56	18.33	19.00
10	16QAM	1	25	18.39	18.44	18.31	19.00
10	16QAM	1	49	18.48	18.47	18.25	19.00
10	16QAM	25	0	18.36	18.51	18.33	19.00
10	16QAM	25	12	18.40	18.48	18.32	19.00
10	16QAM	25	25	18.38	18.54	18.35	19.00
10	16QAM	50	0	18.32	18.48	18.32	19.00
10	64QAM	1	0	18.33	18.46	18.25	19.00
10	64QAM	1	25	18.25	18.50	18.30	19.00
10	64QAM	1	49	18.35	18.57	18.26	19.00
10	64QAM	25	0	18.27	18.53	18.31	19.00
10	64QAM	25	12	18.35	18.50	18.42	19.00
10	64QAM	25	25	18.33	18.44	18.36	19.00
10	64QAM	50	0	18.28	18.48	18.20	19.00
10	256QAM	1	0	18.36	18.49	18.17	19.00
10	256QAM	1	25	18.39	18.53	18.25	19.00



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10	256QAM	1	49	18.27	18.46	18.38	19.00
10	256QAM	25	0	18.35	18.55	18.28	19.00
10	256QAM	25	12	18.47	18.50	18.27	19.00
10	256QAM	25	25	18.36	18.51	18.32	19.00
10	256QAM	50	0	18.31	18.44	18.33	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	18.53	18.65	18.54	19.00
5	QPSK	1	12	18.47	18.50	18.46	19.00
5	QPSK	1	24	18.29	18.56	18.35	19.00
5	QPSK	12	0	18.46	18.60	18.48	19.00
5	QPSK	12	7	18.41	18.49	18.38	19.00
5	QPSK	12	13	18.27	18.41	18.31	19.00
5	QPSK	25	0	18.28	18.40	18.40	19.00
5	16QAM	1	0	18.30	18.54	18.24	19.00
5	16QAM	1	12	18.41	18.50	18.40	19.00
5	16QAM	1	24	18.42	18.61	18.29	19.00
5	16QAM	12	0	18.40	18.55	18.36	19.00
5	16QAM	12	7	18.36	18.52	18.32	19.00
5	16QAM	12	13	18.43	18.49	18.38	19.00
5	16QAM	25	0	18.31	18.52	18.32	19.00
5	64QAM	1	0	18.28	18.38	18.25	19.00
5	64QAM	1	12	18.38	18.45	18.30	19.00
5	64QAM	1	24	18.25	18.46	18.38	19.00
5	64QAM	12	0	18.31	18.52	18.35	19.00
5	64QAM	12	7	18.28	18.49	18.42	19.00
5	64QAM	12	13	18.36	18.52	18.28	19.00
5	64QAM	25	0	18.18	18.44	18.34	19.00
5	256QAM	1	0	18.37	18.40	18.24	19.00
5	256QAM	1	12	18.39	18.53	18.21	19.00
5	256QAM	1	24	18.20	18.38	18.32	19.00
5	256QAM	12	0	18.25	18.51	18.34	19.00
5	256QAM	12	7	18.45	18.55	18.33	19.00
5	256QAM	12	13	18.40	18.41	18.23	19.00
5	256QAM	25	0	18.30	18.44	18.39	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 5_Sensor off】

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	20.05	19.83	20.17	20.09	19.85	21.00
20	QPSK	1	49	19.97	19.79	20.14	19.93	19.70	21.00
20	QPSK	1	99	19.88	19.72	20.11	19.99	19.70	21.00
20	QPSK	50	0	19.04	18.77	19.23	19.02	18.86	20.00
20	QPSK	50	24	19.06	18.77	19.20	19.04	18.77	20.00
20	QPSK	50	50	19.03	18.85	19.21	19.05	18.82	20.00
20	QPSK	100	0	19.04	18.71	19.18	19.02	18.86	20.00
20	16QAM	1	0	18.88	18.55	19.01	18.89	18.63	20.00
20	16QAM	1	49	19.05	18.76	19.18	19.01	18.82	20.00
20	16QAM	1	99	19.01	18.84	19.19	19.07	18.82	20.00
20	16QAM	50	0	17.97	17.72	18.14	17.98	17.82	19.00
20	16QAM	50	24	18.03	17.73	18.18	18.09	17.86	19.00
20	16QAM	50	50	18.06	17.84	18.21	18.10	17.82	19.00
20	16QAM	100	0	18.04	17.77	18.18	18.01	17.80	19.00
20	64QAM	1	0	17.78	17.70	18.03	17.88	17.65	19.00
20	64QAM	1	49	17.89	17.64	18.07	17.96	17.77	19.00
20	64QAM	1	99	17.94	17.80	18.15	17.98	17.80	19.00
20	64QAM	50	0	16.97	16.78	17.13	16.99	16.81	18.00
20	64QAM	50	24	16.98	16.82	17.18	17.08	16.87	18.00
20	64QAM	50	50	16.99	16.78	17.21	17.07	16.87	18.00
20	64QAM	100	0	17.04	16.89	17.20	17.09	16.91	18.00
20	256QAM	1	0	14.74	14.66	14.95	14.82	14.66	16.00
20	256QAM	1	49	14.92	14.79	15.15	14.98	14.88	16.00
20	256QAM	1	99	14.98	14.85	15.14	14.97	14.83	16.00
20	256QAM	50	0	14.99	14.71	15.09	14.89	14.74	16.00
20	256QAM	50	24	14.93	14.79	15.16	15.07	14.85	16.00
20	256QAM	50	50	15.00	14.90	15.17	14.96	14.83	16.00
20	256QAM	100	0	14.98	14.76	15.14	14.95	14.81	16.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	



FCC SAR Test Report

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15	QPSK	1	0	19.94	19.75	20.08	20.00	19.82	21.00
15	QPSK	1	37	19.87	19.67	20.03	19.91	19.55	21.00
15	QPSK	1	74	19.84	19.57	19.99	19.86	19.65	21.00
15	QPSK	36	0	19.01	18.62	19.11	18.93	18.71	20.00
15	QPSK	36	20	19.02	18.65	19.07	18.90	18.71	20.00
15	QPSK	36	39	18.97	18.80	19.12	18.93	18.75	20.00
15	QPSK	75	0	18.93	18.59	19.14	18.89	18.79	20.00
15	16QAM	1	0	18.83	18.45	18.92	18.83	18.50	20.00
15	16QAM	1	37	18.91	18.68	19.13	18.95	18.76	20.00
15	16QAM	1	74	18.94	18.70	19.15	19.01	18.68	20.00
15	16QAM	36	0	17.82	17.60	18.07	17.85	17.74	19.00
15	16QAM	36	20	18.01	17.65	18.08	18.00	17.79	19.00
15	16QAM	36	39	17.96	17.77	18.10	18.03	17.81	19.00
15	16QAM	75	0	17.97	17.72	18.09	17.89	17.75	19.00
15	64QAM	1	0	17.69	17.64	18.02	17.84	17.60	19.00
15	64QAM	1	37	17.83	17.58	18.05	17.85	17.74	19.00
15	64QAM	1	74	17.92	17.65	18.02	17.88	17.66	19.00
15	64QAM	36	0	16.83	16.65	17.00	16.91	16.67	18.00
15	64QAM	36	20	16.92	16.72	17.05	17.01	16.84	18.00
15	64QAM	36	39	16.96	16.71	17.10	17.03	16.72	18.00
15	64QAM	75	0	16.96	16.82	17.18	16.96	16.82	18.00
15	256QAM	1	0	14.64	14.65	14.89	14.74	14.52	16.00
15	256QAM	1	37	14.89	14.74	15.00	14.91	14.80	16.00
15	256QAM	1	74	14.84	14.82	15.02	14.93	14.80	16.00
15	256QAM	36	0	14.94	14.68	14.98	14.74	14.65	16.00
15	256QAM	36	20	14.91	14.66	15.07	14.99	14.83	16.00
15	256QAM	36	39	14.94	14.84	15.13	14.84	14.81	16.00
15	256QAM	75	0	14.86	14.73	15.13	14.83	14.75	16.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.95	19.81	20.12	19.99	19.83	21.00
10	QPSK	1	25	19.84	19.69	20.07	19.83	19.65	21.00
10	QPSK	1	49	19.76	19.70	20.08	19.85	19.57	21.00
10	QPSK	25	0	18.89	18.74	19.17	19.00	18.72	20.00
10	QPSK	25	12	18.99	18.71	19.09	18.97	18.69	20.00
10	QPSK	25	25	18.96	18.79	19.17	19.02	18.76	20.00
10	QPSK	50	0	18.96	18.64	19.07	18.93	18.78	20.00
10	16QAM	1	0	18.86	18.54	18.94	18.80	18.60	20.00
10	16QAM	1	25	18.91	18.70	19.07	18.87	18.72	20.00
10	16QAM	1	49	18.90	18.75	19.10	18.98	18.79	20.00
10	16QAM	25	0	17.88	17.59	18.06	17.83	17.72	19.00
10	16QAM	25	12	17.95	17.68	18.05	17.94	17.75	19.00
10	16QAM	25	25	17.93	17.77	18.10	17.99	17.78	19.00
10	16QAM	50	0	17.97	17.76	18.14	17.87	17.74	19.00
10	64QAM	1	0	17.72	17.59	17.91	17.85	17.64	19.00
10	64QAM	1	25	17.78	17.52	18.02	17.82	17.72	19.00
10	64QAM	1	49	17.89	17.67	18.11	17.96	17.75	19.00
10	64QAM	25	0	16.91	16.73	16.98	16.85	16.68	18.00
10	64QAM	25	12	16.96	16.70	17.11	17.05	16.81	18.00
10	64QAM	25	25	16.95	16.70	17.07	16.94	16.84	18.00
10	64QAM	50	0	17.01	16.86	17.12	17.07	16.76	18.00
10	256QAM	1	0	14.64	14.64	14.89	14.71	14.59	16.00
10	256QAM	1	25	14.88	14.72	15.12	14.95	14.75	16.00
10	256QAM	1	49	14.97	14.70	15.13	14.83	14.71	16.00
10	256QAM	25	0	14.90	14.60	15.01	14.85	14.72	16.00
10	256QAM	25	12	14.88	14.64	15.02	14.94	14.71	16.00
10	256QAM	25	25	14.93	14.76	15.11	14.82	14.75	16.00
10	256QAM	50	0	14.87	14.71	15.01	14.83	14.76	16.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	19.78	20.09	20.03	19.75	21.00
5	QPSK	1	12	19.94	19.69	20.01	19.84	19.63	21.00
5	QPSK	1	24	19.77	19.68	19.98	19.90	19.67	21.00
5	QPSK	12	0	18.96	18.72	19.13	18.93	18.78	20.00
5	QPSK	12	7	19.03	18.63	19.10	18.90	18.64	20.00
5	QPSK	12	13	18.98	18.75	19.06	18.93	18.78	20.00
5	QPSK	25	0	18.96	18.69	19.08	19.00	18.81	20.00
5	16QAM	1	0	18.79	18.47	18.91	18.85	18.57	20.00
5	16QAM	1	12	18.95	18.63	19.13	18.87	18.78	20.00
5	16QAM	1	24	18.92	18.81	19.11	18.94	18.72	20.00
5	16QAM	12	0	17.96	17.69	18.10	17.84	17.70	19.00
5	16QAM	12	7	17.99	17.64	18.14	18.05	17.74	19.00
5	16QAM	12	13	17.95	17.74	18.15	18.03	17.77	19.00
5	16QAM	25	0	17.92	17.71	18.05	17.93	17.67	19.00
5	64QAM	1	0	17.75	17.65	17.95	17.84	17.60	19.00
5	64QAM	1	12	17.86	17.61	18.04	17.81	17.74	19.00



5	64QAM	1	24	17.89	17.77	18.09	17.95	17.66	19.00
5	64QAM	12	0	16.95	16.64	17.05	16.94	16.79	18.00
5	64QAM	12	7	16.86	16.81	17.09	16.93	16.80	18.00
5	64QAM	12	13	16.95	16.77	17.13	16.95	16.75	18.00
5	64QAM	25	0	16.94	16.77	17.07	16.97	16.77	18.00
5	256QAM	1	0	14.65	14.60	14.92	14.76	14.59	16.00
5	256QAM	1	12	14.83	14.66	15.07	14.96	14.81	16.00
5	256QAM	1	24	14.95	14.77	15.05	14.90	14.69	16.00
5	256QAM	12	0	14.95	14.66	15.06	14.81	14.70	16.00
5	256QAM	12	7	14.83	14.64	15.09	15.02	14.78	16.00
5	256QAM	12	13	14.92	14.81	15.12	14.90	14.70	16.00
5	256QAM	25	0	14.97	14.61	15.09	14.86	14.76	16.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 5_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	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	19.83	20.17	20.09	19.85	21.00
20	QPSK	1	49	19.97	19.79	20.14	19.93	19.70	21.00
20	QPSK	1	99	19.88	19.72	20.11	19.99	19.70	21.00
20	QPSK	50	0	19.04	18.77	19.23	19.02	18.86	20.00
20	QPSK	50	24	19.06	18.77	19.20	19.04	18.77	20.00
20	QPSK	50	50	19.03	18.85	19.21	19.05	18.82	20.00
20	QPSK	100	0	19.04	18.71	19.18	19.02	18.86	20.00
20	16QAM	1	0	18.88	18.55	19.01	18.89	18.63	20.00
20	16QAM	1	49	19.05	18.76	19.18	19.01	18.82	20.00
20	16QAM	1	99	19.01	18.84	19.19	19.07	18.82	20.00
20	16QAM	50	0	17.97	17.72	18.14	17.98	17.82	19.00
20	16QAM	50	24	18.03	17.73	18.18	18.09	17.86	19.00
20	16QAM	50	50	18.06	17.84	18.21	18.10	17.82	19.00
20	16QAM	100	0	18.04	17.77	18.18	18.01	17.80	19.00
20	64QAM	1	0	17.78	17.70	18.03	17.88	17.65	19.00
20	64QAM	1	49	17.89	17.64	18.07	17.96	17.77	19.00
20	64QAM	1	99	17.94	17.80	18.15	17.98	17.80	19.00
20	64QAM	50	0	16.97	16.78	17.13	16.99	16.81	18.00
20	64QAM	50	24	16.98	16.82	17.18	17.08	16.87	18.00
20	64QAM	50	50	16.99	16.78	17.21	17.07	16.87	18.00
20	64QAM	100	0	17.04	16.89	17.20	17.09	16.91	18.00
20	256QAM	1	0	14.74	14.66	14.95	14.82	14.66	16.00
20	256QAM	1	49	14.92	14.79	15.15	14.98	14.88	16.00
20	256QAM	1	99	14.98	14.85	15.14	14.97	14.83	16.00
20	256QAM	50	0	14.99	14.71	15.09	14.89	14.74	16.00
20	256QAM	50	24	14.93	14.79	15.16	15.07	14.85	16.00
20	256QAM	50	50	15.00	14.90	15.17	14.96	14.83	16.00
20	256QAM	100	0	14.98	14.76	15.14	14.95	14.81	16.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.94	19.75	20.08	20.00	19.82	21.00
15	QPSK	1	37	19.87	19.67	20.03	19.91	19.55	21.00
15	QPSK	1	74	19.84	19.57	19.99	19.86	19.65	21.00
15	QPSK	36	0	19.01	18.62	19.11	18.93	18.71	20.00
15	QPSK	36	20	19.02	18.65	19.07	18.90	18.71	20.00
15	QPSK	36	39	18.97	18.80	19.12	18.93	18.75	20.00
15	QPSK	75	0	18.93	18.59	19.14	18.89	18.79	20.00
15	16QAM	1	0	18.83	18.45	18.92	18.83	18.50	20.00
15	16QAM	1	37	18.91	18.68	19.13	18.95	18.76	20.00
15	16QAM	1	74	18.94	18.70	19.15	19.01	18.68	20.00
15	16QAM	36	0	17.82	17.60	18.07	17.85	17.74	19.00
15	16QAM	36	20	18.01	17.65	18.08	18.00	17.79	19.00
15	16QAM	36	39	17.96	17.77	18.10	18.03	17.81	19.00
15	16QAM	75	0	17.97	17.72	18.09	17.89	17.75	19.00
15	64QAM	1	0	17.69	17.64	18.02	17.84	17.60	19.00
15	64QAM	1	37	17.83	17.58	18.05	17.85	17.74	19.00
15	64QAM	1	74	17.92	17.65	18.02	17.88	17.66	19.00
15	64QAM	36	0	16.83	16.65	17.00	16.91	16.67	18.00
15	64QAM	36	20	16.92	16.72	17.05	17.01	16.84	18.00
15	64QAM	36	39	16.96	16.71	17.10	17.03	16.72	18.00
15	64QAM	75	0	16.96	16.82	17.18	16.96	16.82	18.00
15	256QAM	1	0	14.64	14.65	14.89	14.74	14.52	16.00
15	256QAM	1	37	14.89	14.74	15.00	14.91	14.80	16.00



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15	256QAM	1	74	14.84	14.82	15.02	14.93	14.80	16.00
15	256QAM	36	0	14.94	14.68	14.98	14.74	14.65	16.00
15	256QAM	36	20	14.91	14.66	15.07	14.99	14.83	16.00
15	256QAM	36	39	14.94	14.84	15.13	14.84	14.81	16.00
15	256QAM	75	0	14.86	14.73	15.13	14.83	14.75	16.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.95	19.81	20.12	19.99	19.83	21.00
10	QPSK	1	25	19.84	19.69	20.07	19.83	19.65	21.00
10	QPSK	1	49	19.76	19.70	20.08	19.85	19.57	21.00
10	QPSK	25	0	18.89	18.74	19.17	19.00	18.72	20.00
10	QPSK	25	12	18.99	18.71	19.09	18.97	18.69	20.00
10	QPSK	25	25	18.96	18.79	19.17	19.02	18.76	20.00
10	QPSK	50	0	18.96	18.64	19.07	18.93	18.78	20.00
10	16QAM	1	0	18.86	18.54	18.94	18.80	18.60	20.00
10	16QAM	1	25	18.91	18.70	19.07	18.87	18.72	20.00
10	16QAM	1	49	18.90	18.75	19.10	18.98	18.79	20.00
10	16QAM	25	0	17.88	17.59	18.06	17.83	17.72	19.00
10	16QAM	25	12	17.95	17.68	18.05	17.94	17.75	19.00
10	16QAM	25	25	17.93	17.77	18.10	17.99	17.78	19.00
10	16QAM	50	0	17.97	17.76	18.14	17.87	17.74	19.00
10	64QAM	1	0	17.72	17.59	17.91	17.85	17.64	19.00
10	64QAM	1	25	17.78	17.52	18.02	17.82	17.72	19.00
10	64QAM	1	49	17.89	17.67	18.11	17.96	17.75	19.00
10	64QAM	25	0	16.91	16.73	16.98	16.85	16.68	18.00
10	64QAM	25	12	16.96	16.70	17.11	17.05	16.81	18.00
10	64QAM	25	25	16.95	16.70	17.07	16.94	16.84	18.00
10	64QAM	50	0	17.01	16.86	17.12	17.07	16.76	18.00
10	256QAM	1	0	14.64	14.64	14.89	14.71	14.59	16.00
10	256QAM	1	25	14.88	14.72	15.12	14.95	14.75	16.00
10	256QAM	1	49	14.97	14.70	15.13	14.83	14.71	16.00
10	256QAM	25	0	14.90	14.60	15.01	14.85	14.72	16.00
10	256QAM	25	12	14.88	14.64	15.02	14.94	14.71	16.00
10	256QAM	25	25	14.93	14.76	15.11	14.82	14.75	16.00
10	256QAM	50	0	14.87	14.71	15.01	14.83	14.76	16.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	19.78	20.09	20.03	19.75	21.00
5	QPSK	1	12	19.94	19.69	20.01	19.84	19.63	21.00
5	QPSK	1	24	19.77	19.68	19.98	19.90	19.67	21.00
5	QPSK	12	0	18.96	18.72	19.13	18.93	18.78	20.00
5	QPSK	12	7	19.03	18.63	19.10	18.90	18.64	20.00
5	QPSK	12	13	18.98	18.75	19.06	18.93	18.78	20.00
5	QPSK	25	0	18.96	18.69	19.08	19.00	18.81	20.00
5	16QAM	1	0	18.79	18.47	18.91	18.85	18.57	20.00
5	16QAM	1	12	18.95	18.63	19.13	18.87	18.78	20.00
5	16QAM	1	24	18.92	18.81	19.11	18.94	18.72	20.00
5	16QAM	12	0	17.96	17.69	18.10	17.84	17.70	19.00
5	16QAM	12	7	17.99	17.64	18.14	18.05	17.74	19.00
5	16QAM	12	13	17.95	17.74	18.15	18.03	17.77	19.00
5	16QAM	25	0	17.92	17.71	18.05	17.93	17.67	19.00
5	64QAM	1	0	17.75	17.65	17.95	17.84	17.60	19.00
5	64QAM	1	12	17.86	17.61	18.04	17.81	17.74	19.00
5	64QAM	1	24	17.89	17.77	18.09	17.95	17.66	19.00
5	64QAM	12	0	16.95	16.64	17.05	16.94	16.79	18.00
5	64QAM	12	7	16.86	16.81	17.09	16.93	16.80	18.00
5	64QAM	12	13	16.95	16.77	17.13	16.95	16.75	18.00
5	64QAM	25	0	16.94	16.77	17.07	16.97	16.77	18.00
5	256QAM	1	0	14.65	14.60	14.92	14.76	14.59	16.00
5	256QAM	1	12	14.83	14.66	15.07	14.96	14.81	16.00
5	256QAM	1	24	14.95	14.77	15.05	14.90	14.69	16.00
5	256QAM	12	0	14.95	14.66	15.06	14.81	14.70	16.00
5	256QAM	12	7	14.83	14.64	15.09	15.02	14.78	16.00
5	256QAM	12	13	14.92	14.81	15.12	14.90	14.70	16.00
5	256QAM	25	0	14.97	14.61	15.09	14.86	14.76	16.00



【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 5_Sensor on】

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	21.00
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	19.83	20.17	20.09	19.85	21.00
20	QPSK	1	49	19.97	19.79	20.14	19.93	19.70	21.00
20	QPSK	1	99	19.88	19.72	20.11	19.99	19.70	21.00
20	QPSK	50	0	19.04	18.77	19.23	19.02	18.86	20.00
20	QPSK	50	24	19.06	18.77	19.20	19.04	18.77	20.00
20	QPSK	50	50	19.03	18.85	19.21	19.05	18.82	20.00
20	QPSK	100	0	19.04	18.71	19.18	19.02	18.86	20.00
20	16QAM	1	0	18.88	18.55	19.01	18.89	18.63	20.00
20	16QAM	1	49	19.05	18.76	19.18	19.01	18.82	20.00
20	16QAM	1	99	19.01	18.84	19.19	19.07	18.82	20.00
20	16QAM	50	0	17.97	17.72	18.14	17.98	17.82	19.00
20	16QAM	50	24	18.03	17.73	18.18	18.09	17.86	19.00
20	16QAM	50	50	18.06	17.84	18.21	18.10	17.82	19.00
20	16QAM	100	0	18.04	17.77	18.18	18.01	17.80	19.00
20	64QAM	1	0	17.78	17.70	18.03	17.88	17.65	19.00
20	64QAM	1	49	17.89	17.64	18.07	17.96	17.77	19.00
20	64QAM	1	99	17.94	17.80	18.15	17.98	17.80	19.00
20	64QAM	50	0	16.97	16.78	17.13	16.99	16.81	18.00
20	64QAM	50	24	16.98	16.82	17.18	17.08	16.87	18.00
20	64QAM	50	50	16.99	16.78	17.21	17.07	16.87	18.00
20	64QAM	100	0	17.04	16.89	17.20	17.09	16.91	18.00
20	256QAM	1	0	14.74	14.66	14.95	14.82	14.66	16.00
20	256QAM	1	49	14.92	14.79	15.15	14.98	14.88	16.00
20	256QAM	1	99	14.98	14.85	15.14	14.97	14.83	16.00
20	256QAM	50	0	14.99	14.71	15.09	14.89	14.74	16.00
20	256QAM	50	24	14.93	14.79	15.16	15.07	14.85	16.00
20	256QAM	50	50	15.00	14.90	15.17	14.96	14.83	16.00
20	256QAM	100	0	14.98	14.76	15.14	14.95	14.81	16.00
Channel				55315	55820	55990	56160	56665	21.00
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.94	19.75	20.08	20.00	19.82	21.00
15	QPSK	1	37	19.87	19.67	20.03	19.91	19.55	21.00
15	QPSK	1	74	19.84	19.57	19.99	19.86	19.65	21.00
15	QPSK	36	0	19.01	18.62	19.11	18.93	18.71	20.00
15	QPSK	36	20	19.02	18.65	19.07	18.90	18.71	20.00
15	QPSK	36	39	18.97	18.80	19.12	18.93	18.75	20.00
15	QPSK	75	0	18.93	18.59	19.14	18.89	18.79	20.00
15	16QAM	1	0	18.83	18.45	18.92	18.83	18.50	20.00
15	16QAM	1	37	18.91	18.68	19.13	18.95	18.76	20.00
15	16QAM	1	74	18.94	18.70	19.15	19.01	18.68	20.00
15	16QAM	36	0	17.82	17.60	18.07	17.85	17.74	19.00
15	16QAM	36	20	18.01	17.65	18.08	18.00	17.79	19.00
15	16QAM	36	39	17.96	17.77	18.10	18.03	17.81	19.00
15	16QAM	75	0	17.97	17.72	18.09	17.89	17.75	19.00
15	64QAM	1	0	17.69	17.64	18.02	17.84	17.60	19.00
15	64QAM	1	37	17.83	17.58	18.05	17.85	17.74	19.00
15	64QAM	1	74	17.92	17.65	18.02	17.88	17.66	19.00
15	64QAM	36	0	16.83	16.65	17.00	16.91	16.67	18.00
15	64QAM	36	20	16.92	16.72	17.05	17.01	16.84	18.00
15	64QAM	36	39	16.96	16.71	17.10	17.03	16.72	18.00
15	64QAM	75	0	16.96	16.82	17.18	16.96	16.82	18.00
15	256QAM	1	0	14.64	14.65	14.89	14.74	14.52	16.00
15	256QAM	1	37	14.89	14.74	15.00	14.91	14.80	16.00
15	256QAM	1	74	14.84	14.82	15.02	14.93	14.80	16.00
15	256QAM	36	0	14.94	14.68	14.98	14.74	14.65	16.00
15	256QAM	36	20	14.91	14.66	15.07	14.99	14.83	16.00
15	256QAM	36	39	14.94	14.84	15.13	14.84	14.81	16.00
15	256QAM	75	0	14.86	14.73	15.13	14.83	14.75	16.00
Channel				55290	55815	55990	56165	56690	21.00
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.95	19.81	20.12	19.99	19.83	21.00
10	QPSK	1	25	19.84	19.69	20.07	19.83	19.65	21.00
10	QPSK	1	49	19.76	19.70	20.08	19.85	19.57	21.00
10	QPSK	25	0	18.89	18.74	19.17	19.00	18.72	20.00
10	QPSK	25	12	18.99	18.71	19.09	18.97	18.69	20.00
10	QPSK	25	25	18.96	18.79	19.17	19.02	18.76	20.00
10	QPSK	50	0	18.96	18.64	19.07	18.93	18.78	20.00
10	16QAM	1	0	18.86	18.54	18.94	18.80	18.60	20.00
10	16QAM	1	25	18.91	18.70	19.07	18.87	18.72	20.00

10	16QAM	1	49	18.90	18.75	19.10	18.98	18.79	20.00
10	16QAM	25	0	17.88	17.59	18.06	17.83	17.72	19.00
10	16QAM	25	12	17.95	17.68	18.05	17.94	17.75	19.00
10	16QAM	25	25	17.93	17.77	18.10	17.99	17.78	19.00
10	16QAM	50	0	17.97	17.76	18.14	17.87	17.74	19.00
10	64QAM	1	0	17.72	17.59	17.91	17.85	17.64	19.00
10	64QAM	1	25	17.78	17.52	18.02	17.82	17.72	19.00
10	64QAM	1	49	17.89	17.67	18.11	17.96	17.75	19.00
10	64QAM	25	0	16.91	16.73	16.98	16.85	16.68	18.00
10	64QAM	25	12	16.96	16.70	17.11	17.05	16.81	18.00
10	64QAM	25	25	16.95	16.70	17.07	16.94	16.84	18.00
10	64QAM	50	0	17.01	16.86	17.12	17.07	16.76	18.00
10	256QAM	1	0	14.64	14.64	14.89	14.71	14.59	16.00
10	256QAM	1	25	14.88	14.72	15.12	14.95	14.75	16.00
10	256QAM	1	49	14.97	14.70	15.13	14.83	14.71	16.00
10	256QAM	25	0	14.90	14.60	15.01	14.85	14.72	16.00
10	256QAM	25	12	14.88	14.64	15.02	14.94	14.71	16.00
10	256QAM	25	25	14.93	14.76	15.11	14.82	14.75	16.00
10	256QAM	50	0	14.87	14.71	15.01	14.83	14.76	16.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	19.78	20.09	20.03	19.75	21.00
5	QPSK	1	12	19.94	19.69	20.01	19.84	19.63	21.00
5	QPSK	1	24	19.77	19.68	19.98	19.90	19.67	21.00
5	QPSK	12	0	18.96	18.72	19.13	18.93	18.78	20.00
5	QPSK	12	7	19.03	18.63	19.10	18.90	18.64	20.00
5	QPSK	12	13	18.98	18.75	19.06	18.93	18.78	20.00
5	QPSK	25	0	18.96	18.69	19.08	19.00	18.81	20.00
5	16QAM	1	0	18.79	18.47	18.91	18.85	18.57	20.00
5	16QAM	1	12	18.95	18.63	19.13	18.87	18.78	20.00
5	16QAM	1	24	18.92	18.81	19.11	18.94	18.72	20.00
5	16QAM	12	0	17.96	17.69	18.10	17.84	17.70	19.00
5	16QAM	12	7	17.99	17.64	18.14	18.05	17.74	19.00
5	16QAM	12	13	17.95	17.74	18.15	18.03	17.77	19.00
5	16QAM	25	0	17.92	17.71	18.05	17.93	17.67	19.00
5	64QAM	1	0	17.75	17.65	17.95	17.84	17.60	19.00
5	64QAM	1	12	17.86	17.61	18.04	17.81	17.74	19.00
5	64QAM	1	24	17.89	17.77	18.09	17.95	17.66	19.00
5	64QAM	12	0	16.95	16.64	17.05	16.94	16.79	18.00
5	64QAM	12	7	16.86	16.81	17.09	16.93	16.80	18.00
5	64QAM	12	13	16.95	16.77	17.13	16.95	16.75	18.00
5	64QAM	25	0	16.94	16.77	17.07	16.97	16.77	18.00
5	256QAM	1	0	14.65	14.60	14.92	14.76	14.59	16.00
5	256QAM	1	12	14.83	14.66	15.07	14.96	14.81	16.00
5	256QAM	1	24	14.95	14.77	15.05	14.90	14.69	16.00
5	256QAM	12	0	14.95	14.66	15.06	14.81	14.70	16.00
5	256QAM	12	7	14.83	14.64	15.09	15.02	14.78	16.00
5	256QAM	12	13	14.92	14.81	15.12	14.90	14.70	16.00
5	256QAM	25	0	14.97	14.61	15.09	14.86	14.76	16.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 5_Hotspot on】

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	19.83	20.17	20.09	19.85	21.00
20	QPSK	1	49	19.97	19.79	20.14	19.93	19.70	21.00
20	QPSK	1	99	19.88	19.72	20.11	19.99	19.70	21.00
20	QPSK	50	0	19.04	18.77	19.23	19.02	18.86	20.00
20	QPSK	50	24	19.06	18.77	19.20	19.04	18.77	20.00
20	QPSK	50	50	19.03	18.85	19.21	19.05	18.82	20.00
20	QPSK	100	0	19.04	18.71	19.18	19.02	18.86	20.00
20	16QAM	1	0	18.88	18.55	19.01	18.89	18.63	20.00
20	16QAM	1	49	19.05	18.76	19.18	19.01	18.82	20.00
20	16QAM	1	99	19.01	18.84	19.19	19.07	18.82	20.00
20	16QAM	50	0	17.97	17.72	18.14	17.98	17.82	19.00
20	16QAM	50	24	18.03	17.73	18.18	18.09	17.86	19.00
20	16QAM	50	50	18.06	17.84	18.21	18.10	17.82	19.00
20	16QAM	100	0	18.04	17.77	18.18	18.01	17.80	19.00
20	64QAM	1	0	17.78	17.70	18.03	17.88	17.65	19.00
20	64QAM	1	49	17.89	17.64	18.07	17.96	17.77	19.00



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20	64QAM	1	99	17.94	17.80	18.15	17.98	17.80	19.00
20	64QAM	50	0	16.97	16.78	17.13	16.99	16.81	18.00
20	64QAM	50	24	16.98	16.82	17.18	17.08	16.87	18.00
20	64QAM	50	50	16.99	16.78	17.21	17.07	16.87	18.00
20	64QAM	100	0	17.04	16.89	17.20	17.09	16.91	18.00
20	256QAM	1	0	14.74	14.66	14.95	14.82	14.66	16.00
20	256QAM	1	49	14.92	14.79	15.15	14.98	14.88	16.00
20	256QAM	1	99	14.98	14.85	15.14	14.97	14.83	16.00
20	256QAM	50	0	14.99	14.71	15.09	14.89	14.74	16.00
20	256QAM	50	24	14.93	14.79	15.16	15.07	14.85	16.00
20	256QAM	50	50	15.00	14.90	15.17	14.96	14.83	16.00
20	256QAM	100	0	14.98	14.76	15.14	14.95	14.81	16.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.94	19.75	20.08	20.00	19.82	21.00
15	QPSK	1	37	19.87	19.67	20.03	19.91	19.55	21.00
15	QPSK	1	74	19.84	19.57	19.99	19.86	19.65	21.00
15	QPSK	36	0	19.01	18.62	19.11	18.93	18.71	20.00
15	QPSK	36	20	19.02	18.65	19.07	18.90	18.71	20.00
15	QPSK	36	39	18.97	18.80	19.12	18.93	18.75	20.00
15	QPSK	75	0	18.93	18.59	19.14	18.89	18.79	20.00
15	16QAM	1	0	18.83	18.45	18.92	18.83	18.50	20.00
15	16QAM	1	37	18.91	18.68	19.13	18.95	18.76	20.00
15	16QAM	1	74	18.94	18.70	19.15	19.01	18.68	20.00
15	16QAM	36	0	17.82	17.60	18.07	17.85	17.74	19.00
15	16QAM	36	20	18.01	17.65	18.08	18.00	17.79	19.00
15	16QAM	36	39	17.96	17.77	18.10	18.03	17.81	19.00
15	16QAM	75	0	17.97	17.72	18.09	17.89	17.75	19.00
15	64QAM	1	0	17.69	17.64	18.02	17.84	17.60	19.00
15	64QAM	1	37	17.83	17.58	18.05	17.85	17.74	19.00
15	64QAM	1	74	17.92	17.65	18.02	17.88	17.66	19.00
15	64QAM	36	0	16.83	16.65	17.00	16.91	16.67	18.00
15	64QAM	36	20	16.92	16.72	17.05	17.01	16.84	18.00
15	64QAM	36	39	16.96	16.71	17.10	17.03	16.72	18.00
15	64QAM	75	0	16.96	16.82	17.18	16.96	16.82	18.00
15	256QAM	1	0	14.64	14.65	14.89	14.74	14.52	16.00
15	256QAM	1	37	14.89	14.74	15.00	14.91	14.80	16.00
15	256QAM	1	74	14.84	14.82	15.02	14.93	14.80	16.00
15	256QAM	36	0	14.94	14.68	14.98	14.74	14.65	16.00
15	256QAM	36	20	14.91	14.66	15.07	14.99	14.83	16.00
15	256QAM	36	39	14.94	14.84	15.13	14.84	14.81	16.00
15	256QAM	75	0	14.86	14.73	15.13	14.83	14.75	16.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	19.95	19.81	20.12	19.99	19.83	21.00
10	QPSK	1	25	19.84	19.69	20.07	19.83	19.65	21.00
10	QPSK	1	49	19.76	19.70	20.08	19.85	19.57	21.00
10	QPSK	25	0	18.89	18.74	19.17	19.00	18.72	20.00
10	QPSK	25	12	18.99	18.71	19.09	18.97	18.69	20.00
10	QPSK	25	25	18.96	18.79	19.17	19.02	18.76	20.00
10	QPSK	50	0	18.96	18.64	19.07	18.93	18.78	20.00
10	16QAM	1	0	18.86	18.54	18.94	18.80	18.60	20.00
10	16QAM	1	25	18.91	18.70	19.07	18.87	18.72	20.00
10	16QAM	1	49	18.90	18.75	19.10	18.98	18.79	20.00
10	16QAM	25	0	17.88	17.59	18.06	17.83	17.72	19.00
10	16QAM	25	12	17.95	17.68	18.05	17.94	17.75	19.00
10	16QAM	25	25	17.93	17.77	18.10	17.99	17.78	19.00
10	16QAM	50	0	17.97	17.76	18.14	17.87	17.74	19.00
10	64QAM	1	0	17.72	17.59	17.91	17.85	17.64	19.00
10	64QAM	1	25	17.78	17.52	18.02	17.82	17.72	19.00
10	64QAM	1	49	17.89	17.67	18.11	17.96	17.75	19.00
10	64QAM	25	0	16.91	16.73	16.98	16.85	16.68	18.00
10	64QAM	25	12	16.96	16.70	17.11	17.05	16.81	18.00
10	64QAM	25	25	16.95	16.70	17.07	16.94	16.84	18.00
10	64QAM	50	0	17.01	16.86	17.12	17.07	16.76	18.00
10	256QAM	1	0	14.64	14.64	14.89	14.71	14.59	16.00
10	256QAM	1	25	14.88	14.72	15.12	14.95	14.75	16.00
10	256QAM	1	49	14.97	14.70	15.13	14.83	14.71	16.00
10	256QAM	25	0	14.90	14.60	15.01	14.85	14.72	16.00
10	256QAM	25	12	14.88	14.64	15.02	14.94	14.71	16.00
10	256QAM	25	25	14.93	14.76	15.11	14.82	14.75	16.00
10	256QAM	50	0	14.87	14.71	15.01	14.83	14.76	16.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	20.00	19.78	20.09	20.03	19.75	21.00



5	QPSK	1	12	19.94	19.69	20.01	19.84	19.63	21.00
5	QPSK	1	24	19.77	19.68	19.98	19.90	19.67	21.00
5	QPSK	12	0	18.96	18.72	19.13	18.93	18.78	20.00
5	QPSK	12	7	19.03	18.63	19.10	18.90	18.64	20.00
5	QPSK	12	13	18.98	18.75	19.06	18.93	18.78	20.00
5	QPSK	25	0	18.96	18.69	19.08	19.00	18.81	20.00
5	16QAM	1	0	18.79	18.47	18.91	18.85	18.57	20.00
5	16QAM	1	12	18.95	18.63	19.13	18.87	18.78	20.00
5	16QAM	1	24	18.92	18.81	19.11	18.94	18.72	20.00
5	16QAM	12	0	17.96	17.69	18.10	17.84	17.70	19.00
5	16QAM	12	7	17.99	17.64	18.14	18.05	17.74	19.00
5	16QAM	12	13	17.95	17.74	18.15	18.03	17.77	19.00
5	16QAM	25	0	17.92	17.71	18.05	17.93	17.67	19.00
5	64QAM	1	0	17.75	17.65	17.95	17.84	17.60	19.00
5	64QAM	1	12	17.86	17.61	18.04	17.81	17.74	19.00
5	64QAM	1	24	17.89	17.77	18.09	17.95	17.66	19.00
5	64QAM	12	0	16.95	16.64	17.05	16.94	16.79	18.00
5	64QAM	12	7	16.86	16.81	17.09	16.93	16.80	18.00
5	64QAM	12	13	16.95	16.77	17.13	16.95	16.75	18.00
5	64QAM	25	0	16.94	16.77	17.07	16.97	16.77	18.00
5	256QAM	1	0	14.65	14.60	14.92	14.76	14.59	16.00
5	256QAM	1	12	14.83	14.66	15.07	14.96	14.81	16.00
5	256QAM	1	24	14.95	14.77	15.05	14.90	14.69	16.00
5	256QAM	12	0	14.95	14.66	15.06	14.81	14.70	16.00
5	256QAM	12	7	14.83	14.64	15.09	15.02	14.78	16.00
5	256QAM	12	13	14.92	14.81	15.12	14.90	14.70	16.00
5	256QAM	25	0	14.97	14.61	15.09	14.86	14.76	16.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 7_Sensor off】

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	23.50	23.40	23.72	23.63	23.52	24.00
20	QPSK	1	49	23.47	23.35	23.72	23.48	23.45	24.00
20	QPSK	1	99	23.38	23.26	23.68	23.55	23.41	24.00
20	QPSK	50	0	22.57	22.43	22.82	22.63	22.51	23.00
20	QPSK	50	24	22.47	22.35	22.78	22.59	22.50	23.00
20	QPSK	50	50	22.50	22.32	22.77	22.57	22.44	23.00
20	QPSK	100	0	22.55	22.43	22.78	22.66	22.46	23.00
20	16QAM	1	0	22.30	22.14	22.56	22.34	22.33	23.00
20	16QAM	1	49	22.36	22.19	22.62	22.50	22.35	23.00
20	16QAM	1	99	22.39	22.32	22.70	22.55	22.44	23.00
20	16QAM	50	0	21.49	21.32	21.74	21.63	21.48	22.00
20	16QAM	50	24	21.44	21.38	21.77	21.57	21.46	22.00
20	16QAM	50	50	21.50	21.43	21.83	21.70	21.58	22.00
20	16QAM	100	0	21.49	21.43	21.78	21.56	21.52	22.00
20	64QAM	1	0	21.33	21.26	21.66	21.56	21.46	22.00
20	64QAM	1	49	21.47	21.34	21.75	21.59	21.43	22.00
20	64QAM	1	99	21.28	21.20	21.59	21.43	21.34	22.00
20	64QAM	50	0	20.37	20.30	20.69	20.58	20.40	21.00
20	64QAM	50	24	20.45	20.33	20.73	20.61	20.53	21.00
20	64QAM	50	50	20.57	20.49	20.83	20.71	20.55	21.00
20	64QAM	100	0	20.53	20.35	20.78	20.58	20.47	21.00
20	256QAM	1	0	18.19	18.17	18.46	18.30	18.23	19.00
20	256QAM	1	49	18.22	18.14	18.42	18.20	18.18	19.00
20	256QAM	1	99	18.40	18.22	18.60	18.39	18.43	19.00
20	256QAM	50	0	18.33	18.25	18.64	18.44	18.38	19.00
20	256QAM	50	24	18.38	18.42	18.70	18.60	18.40	19.00
20	256QAM	50	50	18.49	18.34	18.68	18.48	18.49	19.00
20	256QAM	100	0	18.45	18.35	18.72	18.63	18.43	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	23.40	23.26	23.62	23.49	23.39	24.00
15	QPSK	1	37	23.33	23.26	23.62	23.39	23.42	24.00
15	QPSK	1	74	23.31	23.24	23.55	23.42	23.34	24.00
15	QPSK	36	0	22.48	22.36	22.73	22.61	22.47	23.00
15	QPSK	36	20	22.42	22.25	22.74	22.51	22.39	23.00
15	QPSK	36	39	22.46	22.31	22.63	22.48	22.32	23.00
15	QPSK	75	0	22.42	22.30	22.64	22.54	22.38	23.00
15	16QAM	1	0	22.19	22.13	22.45	22.32	22.27	23.00



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15	16QAM	1	37	22.21	22.15	22.52	22.42	22.21	23.00
15	16QAM	1	74	22.34	22.28	22.67	22.48	22.35	23.00
15	16QAM	36	0	21.45	21.17	21.70	21.48	21.44	22.00
15	16QAM	36	20	21.30	21.32	21.68	21.45	21.32	22.00
15	16QAM	36	39	21.35	21.30	21.77	21.68	21.46	22.00
15	16QAM	75	0	21.47	21.30	21.74	21.53	21.45	22.00
15	64QAM	1	0	21.31	21.25	21.62	21.49	21.36	22.00
15	64QAM	1	37	21.35	21.27	21.63	21.46	21.37	22.00
15	64QAM	1	74	21.22	21.11	21.55	21.34	21.28	22.00
15	64QAM	36	0	20.26	20.16	20.61	20.57	20.27	21.00
15	64QAM	36	20	20.38	20.19	20.67	20.59	20.51	21.00
15	64QAM	36	39	20.46	20.39	20.69	20.58	20.50	21.00
15	64QAM	75	0	20.45	20.23	20.63	20.46	20.39	21.00
15	256QAM	1	0	18.15	18.03	18.45	18.21	18.19	19.00
15	256QAM	1	37	18.18	18.12	18.35	18.05	18.09	19.00
15	256QAM	1	74	18.27	18.12	18.58	18.29	18.32	19.00
15	256QAM	36	0	18.19	18.22	18.58	18.37	18.31	19.00
15	256QAM	36	20	18.34	18.27	18.68	18.54	18.26	19.00
15	256QAM	36	39	18.47	18.24	18.66	18.46	18.38	19.00
15	256QAM	75	0	18.36	18.30	18.65	18.54	18.35	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	23.38	23.25	23.59	23.49	23.43	24.00
10	QPSK	1	25	23.40	23.28	23.64	23.47	23.35	24.00
10	QPSK	1	49	23.35	23.14	23.64	23.47	23.28	24.00
10	QPSK	25	0	22.43	22.32	22.69	22.57	22.46	23.00
10	QPSK	25	12	22.40	22.28	22.66	22.46	22.36	23.00
10	QPSK	25	25	22.39	22.24	22.68	22.46	22.39	23.00
10	QPSK	50	0	22.47	22.39	22.72	22.56	22.44	23.00
10	16QAM	1	0	22.17	22.13	22.45	22.33	22.21	23.00
10	16QAM	1	25	22.22	22.11	22.57	22.46	22.22	23.00
10	16QAM	1	49	22.25	22.18	22.61	22.49	22.41	23.00
10	16QAM	25	0	21.36	21.28	21.72	21.57	21.41	22.00
10	16QAM	25	12	21.38	21.25	21.64	21.45	21.38	22.00
10	16QAM	25	25	21.49	21.32	21.79	21.67	21.47	22.00
10	16QAM	50	0	21.44	21.41	21.66	21.55	21.40	22.00
10	64QAM	1	0	21.23	21.13	21.62	21.52	21.41	22.00
10	64QAM	1	25	21.42	21.23	21.63	21.45	21.31	22.00
10	64QAM	1	49	21.27	21.06	21.52	21.41	21.27	22.00
10	64QAM	25	0	20.24	20.27	20.56	20.45	20.32	21.00
10	64QAM	25	12	20.32	20.25	20.60	20.58	20.51	21.00
10	64QAM	25	25	20.53	20.47	20.81	20.57	20.48	21.00
10	64QAM	50	0	20.43	20.29	20.66	20.44	20.38	21.00
10	256QAM	1	0	18.11	18.04	18.43	18.15	18.11	19.00
10	256QAM	1	25	18.10	18.03	18.39	18.09	18.06	19.00
10	256QAM	1	49	18.25	18.18	18.55	18.31	18.37	19.00
10	256QAM	25	0	18.22	18.21	18.52	18.39	18.29	19.00
10	256QAM	25	12	18.34	18.29	18.61	18.49	18.30	19.00
10	256QAM	25	25	18.35	18.33	18.61	18.36	18.35	19.00
10	256QAM	50	0	18.43	18.22	18.66	18.56	18.30	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	23.38	23.30	23.62	23.49	23.45	24.00
5	QPSK	1	12	23.42	23.28	23.62	23.34	23.43	24.00
5	QPSK	1	24	23.24	23.12	23.57	23.47	23.27	24.00
5	QPSK	12	0	22.45	22.29	22.69	22.60	22.39	23.00
5	QPSK	12	7	22.44	22.29	22.67	22.55	22.35	23.00
5	QPSK	12	13	22.40	22.29	22.67	22.54	22.33	23.00
5	QPSK	25	0	22.42	22.33	22.73	22.54	22.31	23.00
5	16QAM	1	0	22.20	22.10	22.48	22.33	22.25	23.00
5	16QAM	1	12	22.27	22.12	22.59	22.42	22.31	23.00
5	16QAM	1	24	22.32	22.18	22.69	22.45	22.35	23.00
5	16QAM	12	0	21.42	21.24	21.63	21.55	21.39	22.00
5	16QAM	12	7	21.36	21.23	21.75	21.45	21.43	22.00
5	16QAM	12	13	21.35	21.37	21.70	21.66	21.53	22.00
5	16QAM	25	0	21.42	21.41	21.68	21.44	21.39	22.00
5	64QAM	1	0	21.19	21.13	21.63	21.46	21.33	22.00
5	64QAM	1	12	21.35	21.27	21.71	21.49	21.37	22.00
5	64QAM	1	24	21.16	21.13	21.51	21.31	21.29	22.00
5	64QAM	12	0	20.36	20.21	20.58	20.52	20.36	21.00
5	64QAM	12	7	20.35	20.24	20.66	20.48	20.39	21.00
5	64QAM	12	13	20.43	20.47	20.69	20.58	20.42	21.00
5	64QAM	25	0	20.43	20.27	20.76	20.49	20.44	21.00
5	256QAM	1	0	18.15	18.14	18.45	18.27	18.20	19.00
5	256QAM	1	12	18.19	18.05	18.36	18.08	18.05	19.00
5	256QAM	1	24	18.36	18.14	18.58	18.36	18.28	19.00



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5	256QAM	12	0	18.20	18.13	18.60	18.30	18.31	19.00
5	256QAM	12	7	18.35	18.28	18.58	18.48	18.34	19.00
5	256QAM	12	13	18.46	18.20	18.64	18.42	18.37	19.00
5	256QAM	25	0	18.43	18.28	18.63	18.52	18.33	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 7_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	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.49	22.56	22.88	22.65	22.46	24.00
20	QPSK	1	49	22.40	22.49	22.83	22.50	22.33	24.00
20	QPSK	1	99	22.27	22.26	22.72	22.48	22.33	24.00
20	QPSK	50	0	22.57	22.43	22.82	22.63	22.51	24.00
20	QPSK	50	24	22.47	22.35	22.78	22.59	22.50	24.00
20	QPSK	50	50	22.50	22.32	22.77	22.57	22.44	24.00
20	QPSK	100	0	22.55	22.43	22.78	22.66	22.46	24.00
20	16QAM	1	0	22.30	22.14	22.56	22.34	22.33	24.00
20	16QAM	1	49	22.36	22.19	22.62	22.50	22.35	24.00
20	16QAM	1	99	22.39	22.32	22.70	22.55	22.44	24.00
20	16QAM	50	0	21.49	21.32	21.74	21.63	21.48	23.00
20	16QAM	50	24	21.44	21.38	21.77	21.57	21.46	23.00
20	16QAM	50	50	21.50	21.43	21.83	21.70	21.58	23.00
20	16QAM	100	0	21.49	21.43	21.78	21.56	21.52	23.00
20	64QAM	1	0	21.33	21.26	21.66	21.56	21.46	23.00
20	64QAM	1	49	21.47	21.34	21.75	21.59	21.43	23.00
20	64QAM	1	99	21.28	21.20	21.59	21.43	21.34	23.00
20	64QAM	50	0	20.37	20.30	20.69	20.58	20.40	22.00
20	64QAM	50	24	20.45	20.33	20.73	20.61	20.53	22.00
20	64QAM	50	50	20.57	20.49	20.83	20.71	20.55	22.00
20	64QAM	100	0	20.53	20.35	20.78	20.58	20.47	22.00
20	256QAM	1	0	18.19	18.17	18.46	18.30	18.23	20.00
20	256QAM	1	49	18.22	18.14	18.42	18.20	18.18	20.00
20	256QAM	1	99	18.40	18.22	18.60	18.39	18.43	20.00
20	256QAM	50	0	18.33	18.25	18.64	18.44	18.38	20.00
20	256QAM	50	24	18.38	18.42	18.70	18.60	18.40	20.00
20	256QAM	50	50	18.49	18.34	18.68	18.48	18.49	20.00
20	256QAM	100	0	18.45	18.35	18.72	18.63	18.43	20.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.42	22.54	22.79	22.56	22.34	24.00
15	QPSK	1	37	22.33	22.37	22.75	22.46	22.24	24.00
15	QPSK	1	74	22.13	22.13	22.71	22.43	22.23	24.00
15	QPSK	36	0	22.47	22.38	22.75	22.58	22.42	24.00
15	QPSK	36	20	22.43	22.32	22.65	22.55	22.39	24.00
15	QPSK	36	39	22.35	22.18	22.65	22.51	22.39	24.00
15	QPSK	75	0	22.42	22.33	22.64	22.55	22.40	24.00
15	16QAM	1	0	22.17	22.02	22.52	22.24	22.19	24.00
15	16QAM	1	37	22.33	22.17	22.59	22.45	22.22	24.00
15	16QAM	1	74	22.38	22.19	22.61	22.43	22.30	24.00
15	16QAM	36	0	21.37	21.28	21.68	21.49	21.45	23.00
15	16QAM	36	20	21.43	21.29	21.64	21.54	21.35	23.00
15	16QAM	36	39	21.40	21.29	21.70	21.60	21.44	23.00
15	16QAM	75	0	21.42	21.34	21.75	21.53	21.51	23.00
15	64QAM	1	0	21.30	21.23	21.55	21.45	21.38	23.00
15	64QAM	1	37	21.33	21.32	21.67	21.58	21.29	23.00
15	64QAM	1	74	21.20	21.06	21.47	21.39	21.25	23.00
15	64QAM	36	0	20.26	20.17	20.57	20.52	20.26	22.00
15	64QAM	36	20	20.43	20.24	20.67	20.48	20.52	22.00
15	64QAM	36	39	20.42	20.42	20.78	20.61	20.45	22.00
15	64QAM	75	0	20.46	20.25	20.70	20.57	20.37	22.00
15	256QAM	1	0	18.06	18.06	18.41	18.27	18.13	20.00
15	256QAM	1	37	18.09	18.04	18.37	18.08	18.04	20.00
15	256QAM	1	74	18.27	18.21	18.46	18.25	18.28	20.00
15	256QAM	36	0	18.28	18.13	18.57	18.42	18.26	20.00
15	256QAM	36	20	18.37	18.32	18.68	18.56	18.30	20.00
15	256QAM	36	39	18.35	18.23	18.64	18.47	18.47	20.00
15	256QAM	75	0	18.34	18.31	18.63	18.58	18.38	20.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.45	22.49	22.83	22.54	22.39	24.00

10	QPSK	1	25	22.35	22.44	22.71	22.39	22.28	24.00
10	QPSK	1	49	22.18	22.12	22.70	22.45	22.24	24.00
10	QPSK	25	0	22.47	22.38	22.79	22.54	22.46	24.00
10	QPSK	25	12	22.44	22.33	22.64	22.56	22.46	24.00
10	QPSK	25	25	22.40	22.30	22.75	22.43	22.39	24.00
10	QPSK	50	0	22.49	22.28	22.72	22.53	22.44	24.00
10	16QAM	1	0	22.21	22.05	22.49	22.33	22.28	24.00
10	16QAM	1	25	22.27	22.07	22.60	22.41	22.28	24.00
10	16QAM	1	49	22.35	22.24	22.68	22.50	22.41	24.00
10	16QAM	25	0	21.40	21.21	21.64	21.56	21.40	23.00
10	16QAM	25	12	21.34	21.30	21.66	21.56	21.33	23.00
10	16QAM	25	25	21.47	21.38	21.69	21.64	21.56	23.00
10	16QAM	50	0	21.37	21.41	21.76	21.48	21.39	23.00
10	64QAM	1	0	21.26	21.15	21.52	21.52	21.43	23.00
10	64QAM	1	25	21.39	21.25	21.66	21.54	21.36	23.00
10	64QAM	1	49	21.22	21.17	21.47	21.34	21.20	23.00
10	64QAM	25	0	20.25	20.25	20.65	20.57	20.28	22.00
10	64QAM	25	12	20.33	20.22	20.64	20.50	20.39	22.00
10	64QAM	25	25	20.53	20.36	20.77	20.67	20.51	22.00
10	64QAM	50	0	20.43	20.28	20.63	20.54	20.36	22.00
10	256QAM	1	0	18.06	18.10	18.41	18.25	18.15	20.00
10	256QAM	1	25	18.13	18.05	18.35	18.12	18.15	20.00
10	256QAM	1	49	18.37	18.18	18.46	18.34	18.28	20.00
10	256QAM	25	0	18.19	18.13	18.54	18.39	18.33	20.00
10	256QAM	25	12	18.32	18.30	18.63	18.45	18.28	20.00
10	256QAM	25	25	18.36	18.22	18.56	18.37	18.39	20.00
10	256QAM	50	0	18.34	18.31	18.63	18.52	18.32	20.00
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.44	22.55	22.86	22.55	22.34	24.00
5	QPSK	1	12	22.36	22.43	22.79	22.46	22.27	24.00
5	QPSK	1	24	22.12	22.14	22.58	22.36	22.32	24.00
5	QPSK	12	0	22.49	22.29	22.74	22.52	22.38	24.00
5	QPSK	12	7	22.39	22.33	22.75	22.48	22.45	24.00
5	QPSK	12	13	22.36	22.17	22.71	22.45	22.38	24.00
5	QPSK	25	0	22.46	22.40	22.72	22.60	22.40	24.00
5	16QAM	1	0	22.25	22.08	22.45	22.21	22.20	24.00
5	16QAM	1	12	22.27	22.16	22.59	22.41	22.23	24.00
5	16QAM	1	24	22.36	22.21	22.61	22.47	22.39	24.00
5	16QAM	12	0	21.34	21.23	21.72	21.56	21.38	23.00
5	16QAM	12	7	21.34	21.34	21.69	21.42	21.31	23.00
5	16QAM	12	13	21.40	21.32	21.74	21.57	21.54	23.00
5	16QAM	25	0	21.36	21.30	21.74	21.47	21.40	23.00
5	64QAM	1	0	21.26	21.17	21.53	21.47	21.39	23.00
5	64QAM	1	12	21.35	21.25	21.65	21.56	21.39	23.00
5	64QAM	1	24	21.25	21.18	21.53	21.34	21.27	23.00
5	64QAM	12	0	20.30	20.17	20.63	20.51	20.28	22.00
5	64QAM	12	7	20.39	20.20	20.63	20.52	20.50	22.00
5	64QAM	12	13	20.49	20.48	20.81	20.58	20.52	22.00
5	64QAM	25	0	20.41	20.29	20.67	20.44	20.45	22.00
5	256QAM	1	0	18.04	18.05	18.38	18.23	18.12	20.00
5	256QAM	1	12	18.11	18.08	18.38	18.19	18.05	20.00
5	256QAM	1	24	18.26	18.18	18.47	18.28	18.37	20.00
5	256QAM	12	0	18.28	18.16	18.56	18.43	18.25	20.00
5	256QAM	12	7	18.31	18.36	18.68	18.47	18.26	20.00
5	256QAM	12	13	18.37	18.29	18.65	18.34	18.39	20.00
5	256QAM	25	0	18.32	18.25	18.68	18.61	18.39	20.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 7_Sensor on】

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	18.72	18.68	18.75	18.65	18.66	19.00
20	QPSK	1	49	18.55	18.51	18.72	18.60	18.55	19.00
20	QPSK	1	99	18.57	18.59	18.68	18.50	18.55	19.00
20	QPSK	50	0	18.64	18.62	18.70	18.56	18.58	19.00
20	QPSK	50	24	18.46	18.46	18.63	18.50	18.40	19.00
20	QPSK	50	50	18.60	18.44	18.65	18.49	18.45	19.00
20	QPSK	100	0	18.55	18.59	18.69	18.50	18.50	19.00
20	16QAM	1	0	18.49	18.46	18.62	18.50	18.50	19.00



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20	16QAM	1	49	18.57	18.49	18.64	18.43	18.42	19.00
20	16QAM	1	99	18.58	18.52	18.66	18.48	18.43	19.00
20	16QAM	50	0	18.50	18.41	18.62	18.37	18.40	19.00
20	16QAM	50	24	18.43	18.41	18.60	18.39	18.40	19.00
20	16QAM	50	50	18.52	18.39	18.59	18.48	18.40	19.00
20	16QAM	100	0	18.37	18.41	18.55	18.39	18.37	19.00
20	64QAM	1	0	18.41	18.41	18.52	18.29	18.38	19.00
20	64QAM	1	49	18.39	18.39	18.56	18.34	18.33	19.00
20	64QAM	1	99	18.59	18.47	18.64	18.43	18.47	19.00
20	64QAM	50	0	18.51	18.40	18.61	18.45	18.41	19.00
20	64QAM	50	24	18.42	18.36	18.57	18.43	18.34	19.00
20	64QAM	50	50	18.44	18.42	18.52	18.39	18.31	19.00
20	64QAM	100	0	18.41	18.38	18.55	18.41	18.40	19.00
20	256QAM	1	0	18.50	18.38	18.59	18.36	18.38	19.00
20	256QAM	1	49	18.46	18.34	18.53	18.36	18.35	19.00
20	256QAM	1	99	18.51	18.45	18.57	18.34	18.45	19.00
20	256QAM	50	0	18.40	18.43	18.52	18.34	18.32	19.00
20	256QAM	50	24	18.38	18.39	18.55	18.33	18.43	19.00
20	256QAM	50	50	18.44	18.42	18.59	18.42	18.48	19.00
20	256QAM	100	0	18.38	18.39	18.50	18.31	18.37	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	18.60	18.56	18.73	18.52	18.55	19.00
15	QPSK	1	37	18.48	18.43	18.69	18.54	18.50	19.00
15	QPSK	1	74	18.47	18.47	18.62	18.35	18.41	19.00
15	QPSK	36	0	18.46	18.51	18.62	18.49	18.51	19.00
15	QPSK	36	20	18.32	18.36	18.62	18.47	18.30	19.00
15	QPSK	36	39	18.47	18.36	18.63	18.42	18.31	19.00
15	QPSK	75	0	18.47	18.58	18.54	18.44	18.42	19.00
15	16QAM	1	0	18.42	18.39	18.47	18.43	18.45	19.00
15	16QAM	1	37	18.53	18.46	18.60	18.31	18.30	19.00
15	16QAM	1	74	18.45	18.45	18.56	18.42	18.40	19.00
15	16QAM	36	0	18.44	18.38	18.56	18.26	18.33	19.00
15	16QAM	36	20	18.31	18.26	18.49	18.29	18.30	19.00
15	16QAM	36	39	18.39	18.37	18.51	18.37	18.31	19.00
15	16QAM	75	0	18.24	18.31	18.51	18.25	18.33	19.00
15	64QAM	1	0	18.34	18.36	18.41	18.23	18.33	19.00
15	64QAM	1	37	18.36	18.38	18.45	18.31	18.21	19.00
15	64QAM	1	74	18.57	18.39	18.59	18.33	18.34	19.00
15	64QAM	36	0	18.40	18.36	18.58	18.37	18.34	19.00
15	64QAM	36	20	18.31	18.28	18.49	18.33	18.20	19.00
15	64QAM	36	39	18.36	18.27	18.43	18.29	18.19	19.00
15	64QAM	75	0	18.28	18.37	18.54	18.36	18.34	19.00
15	256QAM	1	0	18.39	18.28	18.53	18.30	18.29	19.00
15	256QAM	1	37	18.31	18.30	18.47	18.21	18.27	19.00
15	256QAM	1	74	18.39	18.40	18.47	18.19	18.38	19.00
15	256QAM	36	0	18.34	18.42	18.45	18.28	18.29	19.00
15	256QAM	36	20	18.28	18.28	18.45	18.19	18.30	19.00
15	256QAM	36	39	18.35	18.32	18.52	18.34	18.46	19.00
15	256QAM	75	0	18.24	18.26	18.41	18.27	18.36	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	18.65	18.64	18.72	18.61	18.55	19.00
10	QPSK	1	25	18.41	18.48	18.70	18.47	18.53	19.00
10	QPSK	1	49	18.55	18.51	18.66	18.43	18.50	19.00
10	QPSK	25	0	18.52	18.50	18.68	18.53	18.45	19.00
10	QPSK	25	12	18.32	18.44	18.52	18.48	18.34	19.00
10	QPSK	25	25	18.47	18.32	18.61	18.35	18.41	19.00
10	QPSK	50	0	18.40	18.53	18.58	18.38	18.35	19.00
10	16QAM	1	0	18.41	18.39	18.48	18.45	18.47	19.00
10	16QAM	1	25	18.46	18.37	18.52	18.40	18.30	19.00
10	16QAM	1	49	18.49	18.49	18.54	18.40	18.39	19.00
10	16QAM	25	0	18.46	18.29	18.48	18.31	18.32	19.00
10	16QAM	25	12	18.41	18.30	18.55	18.27	18.31	19.00
10	16QAM	25	25	18.51	18.38	18.44	18.34	18.28	19.00
10	16QAM	50	0	18.33	18.31	18.52	18.24	18.29	19.00
10	64QAM	1	0	18.32	18.37	18.39	18.24	18.25	19.00
10	64QAM	1	25	18.35	18.35	18.47	18.29	18.18	19.00
10	64QAM	1	49	18.50	18.44	18.51	18.38	18.39	19.00
10	64QAM	25	0	18.44	18.26	18.55	18.31	18.29	19.00
10	64QAM	25	12	18.27	18.32	18.42	18.28	18.30	19.00
10	64QAM	25	25	18.29	18.34	18.50	18.33	18.20	19.00
10	64QAM	50	0	18.31	18.33	18.45	18.36	18.27	19.00
10	256QAM	1	0	18.45	18.24	18.57	18.21	18.27	19.00
10	256QAM	1	25	18.45	18.30	18.43	18.23	18.31	19.00
10	256QAM	1	49	18.44	18.31	18.49	18.29	18.35	19.00



10	256QAM	25	0	18.30	18.39	18.49	18.23	18.20	19.00
10	256QAM	25	12	18.26	18.30	18.41	18.20	18.30	19.00
10	256QAM	25	25	18.31	18.41	18.53	18.31	18.37	19.00
10	256QAM	50	0	18.33	18.37	18.42	18.23	18.28	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	18.64	18.66	18.71	18.61	18.61	19.00
5	QPSK	1	12	18.45	18.39	18.69	18.55	18.49	19.00
5	QPSK	1	24	18.48	18.58	18.59	18.44	18.46	19.00
5	QPSK	12	0	18.49	18.52	18.68	18.42	18.46	19.00
5	QPSK	12	7	18.40	18.39	18.57	18.48	18.36	19.00
5	QPSK	12	13	18.52	18.41	18.61	18.37	18.31	19.00
5	QPSK	25	0	18.44	18.51	18.66	18.44	18.45	19.00
5	16QAM	1	0	18.38	18.41	18.53	18.39	18.38	19.00
5	16QAM	1	12	18.43	18.47	18.61	18.29	18.30	19.00
5	16QAM	1	24	18.46	18.47	18.63	18.44	18.36	19.00
5	16QAM	12	0	18.44	18.36	18.60	18.30	18.29	19.00
5	16QAM	12	7	18.28	18.26	18.51	18.34	18.30	19.00
5	16QAM	12	13	18.43	18.26	18.57	18.34	18.29	19.00
5	16QAM	25	0	18.26	18.37	18.46	18.36	18.35	19.00
5	64QAM	1	0	18.33	18.32	18.49	18.24	18.25	19.00
5	64QAM	1	12	18.38	18.35	18.53	18.25	18.20	19.00
5	64QAM	1	24	18.58	18.44	18.61	18.31	18.44	19.00
5	64QAM	12	0	18.37	18.30	18.56	18.41	18.27	19.00
5	64QAM	12	7	18.32	18.31	18.48	18.38	18.31	19.00
5	64QAM	12	13	18.34	18.38	18.50	18.31	18.19	19.00
5	64QAM	25	0	18.33	18.24	18.42	18.32	18.36	19.00
5	256QAM	1	0	18.41	18.31	18.45	18.23	18.30	19.00
5	256QAM	1	12	18.38	18.30	18.48	18.27	18.20	19.00
5	256QAM	1	24	18.42	18.35	18.45	18.20	18.30	19.00
5	256QAM	12	0	18.29	18.38	18.42	18.22	18.21	19.00
5	256QAM	12	7	18.30	18.33	18.46	18.22	18.32	19.00
5	256QAM	12	13	18.41	18.39	18.47	18.28	18.40	19.00
5	256QAM	25	0	18.33	18.36	18.45	18.25	18.22	19.00

【LTE Band 48_FCC_Part 96 IC_RSS-192 (3550~3700MHz)_Ant 7_Hotspot on】

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	18.72	18.68	18.75	18.65	18.66	19.00
20	QPSK	1	49	18.55	18.51	18.72	18.60	18.55	19.00
20	QPSK	1	99	18.57	18.59	18.68	18.50	18.55	19.00
20	QPSK	50	0	18.64	18.62	18.70	18.56	18.58	19.00
20	QPSK	50	24	18.46	18.46	18.63	18.50	18.40	19.00
20	QPSK	50	50	18.60	18.44	18.65	18.49	18.45	19.00
20	QPSK	100	0	18.55	18.59	18.69	18.50	18.50	19.00
20	16QAM	1	0	18.49	18.46	18.62	18.50	18.50	19.00
20	16QAM	1	49	18.57	18.49	18.64	18.43	18.42	19.00
20	16QAM	1	99	18.58	18.52	18.66	18.48	18.43	19.00
20	16QAM	50	0	18.50	18.41	18.62	18.37	18.40	19.00
20	16QAM	50	24	18.43	18.41	18.60	18.39	18.40	19.00
20	16QAM	50	50	18.52	18.39	18.59	18.48	18.40	19.00
20	16QAM	100	0	18.37	18.41	18.55	18.39	18.37	19.00
20	64QAM	1	0	18.41	18.41	18.52	18.29	18.38	19.00
20	64QAM	1	49	18.39	18.39	18.56	18.34	18.33	19.00
20	64QAM	1	99	18.59	18.47	18.64	18.43	18.47	19.00
20	64QAM	50	0	18.51	18.40	18.61	18.45	18.41	19.00
20	64QAM	50	24	18.42	18.36	18.57	18.43	18.34	19.00
20	64QAM	50	50	18.44	18.42	18.52	18.39	18.31	19.00
20	64QAM	100	0	18.41	18.38	18.55	18.41	18.40	19.00
20	256QAM	1	0	18.50	18.38	18.59	18.36	18.38	19.00
20	256QAM	1	49	18.46	18.34	18.53	18.36	18.35	19.00
20	256QAM	1	99	18.51	18.45	18.57	18.34	18.45	19.00
20	256QAM	50	0	18.40	18.43	18.52	18.34	18.32	19.00
20	256QAM	50	24	18.38	18.39	18.55	18.33	18.43	19.00
20	256QAM	50	50	18.44	18.42	18.59	18.42	18.48	19.00
20	256QAM	100	0	18.38	18.39	18.50	18.31	18.37	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	18.60	18.56	18.73	18.52	18.55	19.00



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15	QPSK	1	37	18.48	18.43	18.69	18.54	18.50	19.00
15	QPSK	1	74	18.47	18.47	18.62	18.35	18.41	19.00
15	QPSK	36	0	18.46	18.51	18.62	18.49	18.51	19.00
15	QPSK	36	20	18.32	18.36	18.62	18.47	18.30	19.00
15	QPSK	36	39	18.47	18.36	18.63	18.42	18.31	19.00
15	QPSK	75	0	18.47	18.58	18.54	18.44	18.42	19.00
15	16QAM	1	0	18.42	18.39	18.47	18.43	18.45	19.00
15	16QAM	1	37	18.53	18.46	18.60	18.31	18.30	19.00
15	16QAM	1	74	18.45	18.45	18.56	18.42	18.40	19.00
15	16QAM	36	0	18.44	18.38	18.56	18.26	18.33	19.00
15	16QAM	36	20	18.31	18.26	18.49	18.29	18.30	19.00
15	16QAM	36	39	18.39	18.37	18.51	18.37	18.31	19.00
15	16QAM	75	0	18.24	18.31	18.51	18.25	18.33	19.00
15	64QAM	1	0	18.34	18.36	18.41	18.23	18.33	19.00
15	64QAM	1	37	18.36	18.38	18.45	18.31	18.21	19.00
15	64QAM	1	74	18.57	18.39	18.59	18.33	18.34	19.00
15	64QAM	36	0	18.40	18.36	18.58	18.37	18.34	19.00
15	64QAM	36	20	18.31	18.28	18.49	18.33	18.20	19.00
15	64QAM	36	39	18.36	18.27	18.43	18.29	18.19	19.00
15	64QAM	75	0	18.28	18.37	18.54	18.36	18.34	19.00
15	256QAM	1	0	18.39	18.28	18.53	18.30	18.29	19.00
15	256QAM	1	37	18.31	18.30	18.47	18.21	18.27	19.00
15	256QAM	1	74	18.39	18.40	18.47	18.19	18.38	19.00
15	256QAM	36	0	18.34	18.42	18.45	18.28	18.29	19.00
15	256QAM	36	20	18.28	18.28	18.45	18.19	18.30	19.00
15	256QAM	36	39	18.35	18.32	18.52	18.34	18.46	19.00
15	256QAM	75	0	18.24	18.26	18.41	18.27	18.36	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	18.65	18.64	18.72	18.61	18.55	19.00
10	QPSK	1	25	18.41	18.48	18.70	18.47	18.53	19.00
10	QPSK	1	49	18.55	18.51	18.66	18.43	18.50	19.00
10	QPSK	25	0	18.52	18.50	18.68	18.53	18.45	19.00
10	QPSK	25	12	18.32	18.44	18.52	18.48	18.34	19.00
10	QPSK	25	25	18.47	18.32	18.61	18.35	18.41	19.00
10	QPSK	50	0	18.40	18.53	18.58	18.38	18.35	19.00
10	16QAM	1	0	18.41	18.39	18.48	18.45	18.47	19.00
10	16QAM	1	25	18.46	18.37	18.52	18.40	18.30	19.00
10	16QAM	1	49	18.49	18.49	18.54	18.40	18.39	19.00
10	16QAM	25	0	18.46	18.29	18.48	18.31	18.32	19.00
10	16QAM	25	12	18.41	18.30	18.55	18.27	18.31	19.00
10	16QAM	25	25	18.51	18.38	18.44	18.34	18.28	19.00
10	16QAM	50	0	18.33	18.31	18.52	18.24	18.29	19.00
10	64QAM	1	0	18.32	18.37	18.39	18.24	18.25	19.00
10	64QAM	1	25	18.35	18.35	18.47	18.29	18.18	19.00
10	64QAM	1	49	18.50	18.44	18.51	18.38	18.39	19.00
10	64QAM	25	0	18.44	18.26	18.55	18.31	18.29	19.00
10	64QAM	25	12	18.27	18.32	18.42	18.28	18.30	19.00
10	64QAM	25	25	18.29	18.34	18.50	18.33	18.20	19.00
10	64QAM	50	0	18.31	18.33	18.45	18.36	18.27	19.00
10	256QAM	1	0	18.45	18.24	18.57	18.21	18.27	19.00
10	256QAM	1	25	18.45	18.30	18.43	18.23	18.31	19.00
10	256QAM	1	49	18.44	18.31	18.49	18.29	18.35	19.00
10	256QAM	25	0	18.30	18.39	18.49	18.23	18.20	19.00
10	256QAM	25	12	18.26	18.30	18.41	18.20	18.30	19.00
10	256QAM	25	25	18.31	18.41	18.53	18.31	18.37	19.00
10	256QAM	50	0	18.33	18.37	18.42	18.23	18.28	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	18.64	18.66	18.71	18.61	18.61	19.00
5	QPSK	1	12	18.45	18.39	18.69	18.55	18.49	19.00
5	QPSK	1	24	18.48	18.58	18.59	18.44	18.46	19.00
5	QPSK	12	0	18.49	18.52	18.68	18.42	18.46	19.00
5	QPSK	12	7	18.40	18.39	18.57	18.48	18.36	19.00
5	QPSK	12	13	18.52	18.41	18.61	18.37	18.31	19.00
5	QPSK	25	0	18.44	18.51	18.66	18.44	18.45	19.00
5	16QAM	1	0	18.38	18.41	18.53	18.39	18.38	19.00
5	16QAM	1	12	18.43	18.47	18.61	18.29	18.30	19.00
5	16QAM	1	24	18.46	18.47	18.63	18.44	18.36	19.00
5	16QAM	12	0	18.44	18.36	18.60	18.30	18.29	19.00
5	16QAM	12	7	18.28	18.26	18.51	18.34	18.30	19.00
5	16QAM	12	13	18.43	18.26	18.57	18.34	18.29	19.00
5	16QAM	25	0	18.26	18.37	18.46	18.36	18.35	19.00
5	64QAM	1	0	18.33	18.32	18.49	18.24	18.25	19.00
5	64QAM	1	12	18.38	18.35	18.53	18.25	18.20	19.00
5	64QAM	1	24	18.58	18.44	18.61	18.31	18.44	19.00



5	64QAM	12	0	18.37	18.30	18.56	18.41	18.27	19.00
5	64QAM	12	7	18.32	18.31	18.48	18.38	18.31	19.00
5	64QAM	12	13	18.34	18.38	18.50	18.31	18.19	19.00
5	64QAM	25	0	18.33	18.24	18.42	18.32	18.36	19.00
5	256QAM	1	0	18.41	18.31	18.45	18.23	18.30	19.00
5	256QAM	1	12	18.38	18.30	18.48	18.27	18.20	19.00
5	256QAM	1	24	18.42	18.35	18.45	18.20	18.30	19.00
5	256QAM	12	0	18.29	18.38	18.42	18.22	18.21	19.00
5	256QAM	12	7	18.30	18.33	18.46	18.22	18.32	19.00
5	256QAM	12	13	18.41	18.39	18.47	18.28	18.40	19.00
5	256QAM	25	0	18.33	18.36	18.45	18.25	18.22	19.00

【LTE Band 66_Ant 0_Sensor off】

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	23.01	23.09	22.70	24.00
20	QPSK	1	49	22.70	22.81	22.30	24.00
20	QPSK	1	99	22.82	22.97	22.54	24.00
20	QPSK	50	0	21.79	21.95	21.56	23.00
20	QPSK	50	24	21.70	21.87	21.41	23.00
20	QPSK	50	50	21.82	21.92	21.53	23.00
20	QPSK	100	0	21.79	21.90	21.41	23.00
20	16QAM	1	0	21.89	22.03	21.61	23.00
20	16QAM	1	49	21.96	22.13	21.72	23.00
20	16QAM	1	99	21.98	22.08	21.58	23.00
20	16QAM	50	0	20.83	20.92	20.55	22.00
20	16QAM	50	24	20.76	20.93	20.49	22.00
20	16QAM	50	50	20.78	20.91	20.52	22.00
20	16QAM	100	0	20.79	20.87	20.41	22.00
20	64QAM	1	0	20.95	21.09	20.62	22.00
20	64QAM	1	49	20.87	20.97	20.57	22.00
20	64QAM	1	99	20.88	21.02	20.55	22.00
20	64QAM	50	0	19.77	19.90	19.46	21.00
20	64QAM	50	24	19.74	19.89	19.53	21.00
20	64QAM	50	50	19.86	19.94	19.49	21.00
20	64QAM	100	0	19.74	19.92	19.47	21.00
20	256QAM	1	0	17.74	17.90	17.49	19.00
20	256QAM	1	49	17.70	17.82	17.37	19.00
20	256QAM	1	99	17.83	18.03	17.61	19.00
20	256QAM	50	0	17.75	17.95	17.62	19.00
20	256QAM	50	24	17.64	17.84	17.51	19.00
20	256QAM	50	50	17.76	17.88	17.51	19.00
20	256QAM	100	0	17.92	18.04	17.62	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.89	23.04	22.57	24.00
15	QPSK	1	37	22.55	22.71	22.27	24.00
15	QPSK	1	74	22.78	22.89	22.42	24.00
15	QPSK	36	0	21.67	21.91	21.48	23.00
15	QPSK	36	20	21.68	21.84	21.30	23.00
15	QPSK	36	39	21.79	21.84	21.42	23.00
15	QPSK	75	0	21.72	21.89	21.26	23.00
15	16QAM	1	0	21.75	21.92	21.51	23.00
15	16QAM	1	37	21.87	22.00	21.70	23.00
15	16QAM	1	74	21.96	21.95	21.46	23.00
15	16QAM	36	0	20.71	20.88	20.44	22.00
15	16QAM	36	20	20.66	20.90	20.41	22.00
15	16QAM	36	39	20.75	20.79	20.40	22.00
15	16QAM	75	0	20.75	20.80	20.31	22.00
15	64QAM	1	0	20.91	20.98	20.52	22.00
15	64QAM	1	37	20.82	20.83	20.47	22.00
15	64QAM	1	74	20.81	20.92	20.48	22.00
15	64QAM	36	0	19.68	19.84	19.38	21.00
15	64QAM	36	20	19.62	19.81	19.50	21.00
15	64QAM	36	39	19.85	19.91	19.39	21.00
15	64QAM	75	0	19.64	19.88	19.38	21.00
15	256QAM	1	0	17.65	17.84	17.42	19.00
15	256QAM	1	37	17.63	17.74	17.29	19.00
15	256QAM	1	74	17.75	17.91	17.47	19.00
15	256QAM	36	0	17.64	17.94	17.60	19.00



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15	256QAM	36	20	17.54	17.78	17.38	19.00
15	256QAM	36	39	17.73	17.80	17.50	19.00
15	256QAM	75	0	17.89	18.01	17.52	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.93	22.95	22.55	24.00
10	QPSK	1	25	22.68	22.68	22.21	24.00
10	QPSK	1	49	22.74	22.94	22.40	24.00
10	QPSK	25	0	21.69	21.91	21.49	23.00
10	QPSK	25	12	21.68	21.84	21.29	23.00
10	QPSK	25	25	21.72	21.83	21.41	23.00
10	QPSK	50	0	21.69	21.81	21.29	23.00
10	16QAM	1	0	21.78	21.98	21.48	23.00
10	16QAM	1	25	21.87	22.02	21.65	23.00
10	16QAM	1	49	21.83	21.99	21.53	23.00
10	16QAM	25	0	20.79	20.85	20.42	22.00
10	16QAM	25	12	20.61	20.88	20.36	22.00
10	16QAM	25	25	20.74	20.80	20.45	22.00
10	16QAM	50	0	20.78	20.78	20.39	22.00
10	64QAM	1	0	20.89	21.05	20.52	22.00
10	64QAM	1	25	20.76	20.84	20.45	22.00
10	64QAM	1	49	20.79	20.98	20.52	22.00
10	64QAM	25	0	19.71	19.82	19.40	21.00
10	64QAM	25	12	19.59	19.75	19.45	21.00
10	64QAM	25	25	19.81	19.87	19.46	21.00
10	64QAM	50	0	19.65	19.79	19.34	21.00
10	256QAM	1	0	17.63	17.76	17.45	19.00
10	256QAM	1	25	17.66	17.68	17.32	19.00
10	256QAM	1	49	17.79	17.91	17.56	19.00
10	256QAM	25	0	17.68	17.83	17.54	19.00
10	256QAM	25	12	17.63	17.74	17.46	19.00
10	256QAM	25	25	17.70	17.85	17.43	19.00
10	256QAM	50	0	17.90	18.00	17.58	19.00
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.97	22.95	22.57	24.00
5	QPSK	1	12	22.58	22.68	22.24	24.00
5	QPSK	1	24	22.79	22.86	22.47	24.00
5	QPSK	12	0	21.69	21.89	21.41	23.00
5	QPSK	12	7	21.69	21.79	21.40	23.00
5	QPSK	12	13	21.70	21.80	21.50	23.00
5	QPSK	25	0	21.72	21.88	21.28	23.00
5	16QAM	1	0	21.77	21.97	21.52	23.00
5	16QAM	1	12	21.89	22.08	21.59	23.00
5	16QAM	1	24	21.85	22.01	21.51	23.00
5	16QAM	12	0	20.72	20.80	20.41	22.00
5	16QAM	12	7	20.72	20.86	20.42	22.00
5	16QAM	12	13	20.73	20.82	20.45	22.00
5	16QAM	25	0	20.72	20.74	20.31	22.00
5	64QAM	1	0	20.91	21.04	20.54	22.00
5	64QAM	1	12	20.80	20.88	20.43	22.00
5	64QAM	1	24	20.74	20.90	20.44	22.00
5	64QAM	12	0	19.75	19.75	19.44	21.00
5	64QAM	12	7	19.62	19.79	19.43	21.00
5	64QAM	12	13	19.80	19.85	19.43	21.00
5	64QAM	25	0	19.67	19.82	19.44	21.00
5	256QAM	1	0	17.65	17.82	17.42	19.00
5	256QAM	1	12	17.63	17.68	17.32	19.00
5	256QAM	1	24	17.73	17.98	17.60	19.00
5	256QAM	12	0	17.66	17.90	17.55	19.00
5	256QAM	12	7	17.61	17.82	17.49	19.00
5	256QAM	12	13	17.72	17.73	17.36	19.00
5	256QAM	25	0	17.85	17.93	17.55	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.86	22.95	22.66	24.00
3	QPSK	1	8	22.57	22.75	22.21	24.00
3	QPSK	1	14	22.76	22.84	22.49	24.00
3	QPSK	8	0	21.70	21.89	21.51	23.00
3	QPSK	8	4	21.68	21.73	21.35	23.00
3	QPSK	8	7	21.68	21.87	21.50	23.00
3	QPSK	15	0	21.74	21.80	21.40	23.00
3	16QAM	1	0	21.83	21.98	21.51	23.00
3	16QAM	1	8	21.91	22.04	21.68	23.00
3	16QAM	1	14	21.91	22.07	21.52	23.00
3	16QAM	8	0	20.76	20.82	20.43	22.00
3	16QAM	8	4	20.68	20.85	20.43	22.00
3	16QAM	8	7	20.70	20.82	20.38	22.00



3	16QAM	15	0	20.67	20.74	20.27	22.00
3	64QAM	1	0	20.82	21.02	20.56	22.00
3	64QAM	1	8	20.76	20.82	20.43	22.00
3	64QAM	1	14	20.73	20.92	20.48	22.00
3	64QAM	8	0	19.69	19.84	19.35	21.00
3	64QAM	8	4	19.64	19.83	19.50	21.00
3	64QAM	8	7	19.75	19.85	19.38	21.00
3	64QAM	15	0	19.61	19.79	19.41	21.00
3	256QAM	1	0	17.64	17.76	17.45	19.00
3	256QAM	1	8	17.59	17.73	17.35	19.00
3	256QAM	1	14	17.81	17.95	17.60	19.00
3	256QAM	8	0	17.73	17.83	17.53	19.00
3	256QAM	8	4	17.61	17.69	17.39	19.00
3	256QAM	8	7	17.73	17.75	17.39	19.00
3	256QAM	15	0	17.78	17.92	17.57	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.89	22.95	22.65	24.00
1.4	QPSK	1	3	22.58	22.67	22.27	24.00
1.4	QPSK	1	5	22.71	22.93	22.49	24.00
1.4	QPSK	3	0	22.73	22.82	22.44	24.00
1.4	QPSK	3	1	22.66	22.78	22.36	24.00
1.4	QPSK	3	3	22.77	22.85	22.39	24.00
1.4	QPSK	6	0	21.76	21.84	21.38	23.00
1.4	16QAM	1	0	21.79	21.88	21.57	23.00
1.4	16QAM	1	3	21.87	22.04	21.61	23.00
1.4	16QAM	1	5	21.96	21.97	21.48	23.00
1.4	16QAM	3	0	21.73	21.88	21.48	23.00
1.4	16QAM	3	1	21.71	21.92	21.36	23.00
1.4	16QAM	3	3	21.65	21.82	21.45	23.00
1.4	16QAM	6	0	20.64	20.81	20.37	22.00
1.4	64QAM	1	0	20.85	21.07	20.60	22.00
1.4	64QAM	1	3	20.78	20.88	20.48	22.00
1.4	64QAM	1	5	20.81	20.97	20.51	22.00
1.4	64QAM	3	0	20.75	20.81	20.36	22.00
1.4	64QAM	3	1	20.60	20.83	20.46	22.00
1.4	64QAM	3	3	20.83	20.87	20.38	22.00
1.4	64QAM	6	0	19.69	19.82	19.40	21.00
1.4	256QAM	1	0	17.67	17.81	17.39	19.00
1.4	256QAM	1	3	17.66	17.79	17.24	19.00
1.4	256QAM	1	5	17.81	17.90	17.49	19.00
1.4	256QAM	3	0	17.69	17.84	17.56	19.00
1.4	256QAM	3	1	17.59	17.71	17.38	19.00
1.4	256QAM	3	3	17.64	17.74	17.38	19.00
1.4	256QAM	6	0	17.82	18.01	17.57	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	23.01	23.09	22.70	24.00
20	QPSK	1	49	22.70	22.81	22.30	24.00
20	QPSK	1	99	22.82	22.97	22.54	24.00
20	QPSK	50	0	21.79	21.95	21.56	23.00
20	QPSK	50	24	21.70	21.87	21.41	23.00
20	QPSK	50	50	21.82	21.92	21.53	23.00
20	QPSK	100	0	21.79	21.90	21.41	23.00
20	16QAM	1	0	21.89	22.03	21.61	23.00
20	16QAM	1	49	21.96	22.13	21.72	23.00
20	16QAM	1	99	21.98	22.08	21.58	23.00
20	16QAM	50	0	20.83	20.92	20.55	22.00
20	16QAM	50	24	20.76	20.93	20.49	22.00
20	16QAM	50	50	20.78	20.91	20.52	22.00
20	16QAM	100	0	20.79	20.87	20.41	22.00
20	64QAM	1	0	20.95	21.09	20.62	22.00
20	64QAM	1	49	20.87	20.97	20.57	22.00
20	64QAM	1	99	20.88	21.02	20.55	22.00
20	64QAM	50	0	19.77	19.90	19.46	21.00
20	64QAM	50	24	19.74	19.89	19.53	21.00
20	64QAM	50	50	19.86	19.94	19.49	21.00
20	64QAM	100	0	19.74	19.92	19.47	21.00
20	256QAM	1	0	17.74	17.90	17.49	19.00
20	256QAM	1	49	17.70	17.82	17.37	19.00



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20	256QAM	1	99	17.83	18.03	17.61	19.00
20	256QAM	50	0	17.75	17.95	17.62	19.00
20	256QAM	50	24	17.64	17.84	17.51	19.00
20	256QAM	50	50	17.76	17.88	17.51	19.00
20	256QAM	100	0	17.92	18.04	17.62	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	22.89	23.04	22.57	24.00
15	QPSK	1	37	22.55	22.71	22.27	24.00
15	QPSK	1	74	22.78	22.89	22.42	24.00
15	QPSK	36	0	21.67	21.91	21.48	23.00
15	QPSK	36	20	21.68	21.84	21.30	23.00
15	QPSK	36	39	21.79	21.84	21.42	23.00
15	QPSK	75	0	21.72	21.89	21.26	23.00
15	16QAM	1	0	21.75	21.92	21.51	23.00
15	16QAM	1	37	21.87	22.00	21.70	23.00
15	16QAM	1	74	21.96	21.95	21.46	23.00
15	16QAM	36	0	20.71	20.88	20.44	22.00
15	16QAM	36	20	20.66	20.90	20.41	22.00
15	16QAM	36	39	20.75	20.79	20.40	22.00
15	16QAM	75	0	20.75	20.80	20.31	22.00
15	64QAM	1	0	20.91	20.98	20.52	22.00
15	64QAM	1	37	20.82	20.83	20.47	22.00
15	64QAM	1	74	20.81	20.92	20.48	22.00
15	64QAM	36	0	19.68	19.84	19.38	21.00
15	64QAM	36	20	19.62	19.81	19.50	21.00
15	64QAM	36	39	19.85	19.91	19.39	21.00
15	64QAM	75	0	19.64	19.88	19.38	21.00
15	256QAM	1	0	17.65	17.84	17.42	19.00
15	256QAM	1	37	17.63	17.74	17.29	19.00
15	256QAM	1	74	17.75	17.91	17.47	19.00
15	256QAM	36	0	17.64	17.94	17.60	19.00
15	256QAM	36	20	17.54	17.78	17.38	19.00
15	256QAM	36	39	17.73	17.80	17.50	19.00
15	256QAM	75	0	17.89	18.01	17.52	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	22.93	22.95	22.55	24.00
10	QPSK	1	25	22.68	22.68	22.21	24.00
10	QPSK	1	49	22.74	22.94	22.40	24.00
10	QPSK	25	0	21.69	21.91	21.49	23.00
10	QPSK	25	12	21.68	21.84	21.29	23.00
10	QPSK	25	25	21.72	21.83	21.41	23.00
10	QPSK	50	0	21.69	21.81	21.29	23.00
10	16QAM	1	0	21.78	21.98	21.48	23.00
10	16QAM	1	25	21.87	22.02	21.65	23.00
10	16QAM	1	49	21.83	21.99	21.53	23.00
10	16QAM	25	0	20.79	20.85	20.42	22.00
10	16QAM	25	12	20.61	20.88	20.36	22.00
10	16QAM	25	25	20.74	20.80	20.45	22.00
10	16QAM	50	0	20.78	20.78	20.39	22.00
10	64QAM	1	0	20.89	21.05	20.52	22.00
10	64QAM	1	25	20.76	20.84	20.45	22.00
10	64QAM	1	49	20.79	20.98	20.52	22.00
10	64QAM	25	0	19.71	19.82	19.40	21.00
10	64QAM	25	12	19.59	19.75	19.45	21.00
10	64QAM	25	25	19.81	19.87	19.46	21.00
10	64QAM	50	0	19.65	19.79	19.34	21.00
10	256QAM	1	0	17.63	17.76	17.45	19.00
10	256QAM	1	25	17.66	17.68	17.32	19.00
10	256QAM	1	49	17.79	17.91	17.56	19.00
10	256QAM	25	0	17.68	17.83	17.54	19.00
10	256QAM	25	12	17.63	17.74	17.46	19.00
10	256QAM	25	25	17.70	17.85	17.43	19.00
10	256QAM	50	0	17.90	18.00	17.58	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	22.97	22.95	22.57	24.00
5	QPSK	1	12	22.58	22.68	22.24	24.00
5	QPSK	1	24	22.79	22.86	22.47	24.00
5	QPSK	12	0	21.69	21.89	21.41	23.00
5	QPSK	12	7	21.69	21.79	21.40	23.00
5	QPSK	12	13	21.70	21.80	21.50	23.00
5	QPSK	25	0	21.72	21.88	21.28	23.00
5	16QAM	1	0	21.77	21.97	21.52	23.00
5	16QAM	1	12	21.89	22.08	21.59	23.00
5	16QAM	1	24	21.85	22.01	21.51	23.00
5	16QAM	12	0	20.72	20.80	20.41	22.00



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5	16QAM	12	7	20.72	20.86	20.42	22.00
5	16QAM	12	13	20.73	20.82	20.45	22.00
5	16QAM	25	0	20.72	20.74	20.31	22.00
5	64QAM	1	0	20.91	21.04	20.54	22.00
5	64QAM	1	12	20.80	20.88	20.43	22.00
5	64QAM	1	24	20.74	20.90	20.44	22.00
5	64QAM	12	0	19.75	19.75	19.44	21.00
5	64QAM	12	7	19.62	19.79	19.43	21.00
5	64QAM	12	13	19.80	19.85	19.43	21.00
5	64QAM	25	0	19.67	19.82	19.44	21.00
5	256QAM	1	0	17.65	17.82	17.42	19.00
5	256QAM	1	12	17.63	17.68	17.32	19.00
5	256QAM	1	24	17.73	17.98	17.60	19.00
5	256QAM	12	0	17.66	17.90	17.55	19.00
5	256QAM	12	7	17.61	17.82	17.49	19.00
5	256QAM	12	13	17.72	17.73	17.36	19.00
5	256QAM	25	0	17.85	17.93	17.55	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	22.86	22.95	22.66	24.00
3	QPSK	1	8	22.57	22.75	22.21	24.00
3	QPSK	1	14	22.76	22.84	22.49	24.00
3	QPSK	8	0	21.70	21.89	21.51	23.00
3	QPSK	8	4	21.68	21.73	21.35	23.00
3	QPSK	8	7	21.68	21.87	21.50	23.00
3	QPSK	15	0	21.74	21.80	21.40	23.00
3	16QAM	1	0	21.83	21.98	21.51	23.00
3	16QAM	1	8	21.91	22.04	21.68	23.00
3	16QAM	1	14	21.91	22.07	21.52	23.00
3	16QAM	8	0	20.76	20.82	20.43	22.00
3	16QAM	8	4	20.68	20.85	20.43	22.00
3	16QAM	8	7	20.70	20.82	20.38	22.00
3	16QAM	15	0	20.67	20.74	20.27	22.00
3	64QAM	1	0	20.82	21.02	20.56	22.00
3	64QAM	1	8	20.76	20.82	20.43	22.00
3	64QAM	1	14	20.73	20.92	20.48	22.00
3	64QAM	8	0	19.69	19.84	19.35	21.00
3	64QAM	8	4	19.64	19.83	19.50	21.00
3	64QAM	8	7	19.75	19.85	19.38	21.00
3	64QAM	15	0	19.61	19.79	19.41	21.00
3	256QAM	1	0	17.64	17.76	17.45	19.00
3	256QAM	1	8	17.59	17.73	17.35	19.00
3	256QAM	1	14	17.81	17.95	17.60	19.00
3	256QAM	8	0	17.73	17.83	17.53	19.00
3	256QAM	8	4	17.61	17.69	17.39	19.00
3	256QAM	8	7	17.73	17.75	17.39	19.00
3	256QAM	15	0	17.78	17.92	17.57	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	22.89	22.95	22.65	24.00
1.4	QPSK	1	3	22.58	22.67	22.27	24.00
1.4	QPSK	1	5	22.71	22.93	22.49	24.00
1.4	QPSK	3	0	22.73	22.82	22.44	24.00
1.4	QPSK	3	1	22.66	22.78	22.36	24.00
1.4	QPSK	3	3	22.77	22.85	22.39	24.00
1.4	QPSK	6	0	21.76	21.84	21.38	23.00
1.4	16QAM	1	0	21.79	21.88	21.57	23.00
1.4	16QAM	1	3	21.87	22.04	21.61	23.00
1.4	16QAM	1	5	21.96	21.97	21.48	23.00
1.4	16QAM	3	0	21.73	21.88	21.48	23.00
1.4	16QAM	3	1	21.71	21.92	21.36	23.00
1.4	16QAM	3	3	21.65	21.82	21.45	23.00
1.4	16QAM	6	0	20.64	20.81	20.37	22.00
1.4	64QAM	1	0	20.85	21.07	20.60	22.00
1.4	64QAM	1	3	20.78	20.88	20.48	22.00
1.4	64QAM	1	5	20.81	20.97	20.51	22.00
1.4	64QAM	3	0	20.75	20.81	20.36	22.00
1.4	64QAM	3	1	20.60	20.83	20.46	22.00
1.4	64QAM	3	3	20.83	20.87	20.38	22.00
1.4	64QAM	6	0	19.69	19.82	19.40	21.00
1.4	256QAM	1	0	17.67	17.81	17.39	19.00
1.4	256QAM	1	3	17.66	17.79	17.24	19.00
1.4	256QAM	1	5	17.81	17.90	17.49	19.00
1.4	256QAM	3	0	17.69	17.84	17.56	19.00
1.4	256QAM	3	1	17.59	17.71	17.38	19.00
1.4	256QAM	3	3	17.64	17.74	17.38	19.00
1.4	256QAM	6	0	17.82	18.01	17.57	19.00

【LTE Band 66_Ant 0_Sensor on】

Band	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	13.00
Frequency (MHz)					1720	1745	1770	
20	QPSK	1	0		11.94	12.03	11.98	13.00
20	QPSK	1	49		11.64	11.78	11.71	13.00
20	QPSK	1	99		11.64	11.81	11.74	13.00
20	QPSK	50	0		11.86	11.93	11.87	13.00
20	QPSK	50	24		11.63	11.77	11.59	13.00
20	QPSK	50	50		11.56	11.73	11.64	13.00
20	QPSK	100	0		11.82	11.89	11.84	13.00
20	16QAM	1	0		11.56	11.79	11.67	13.00
20	16QAM	1	49		11.64	11.87	11.75	13.00
20	16QAM	1	99		11.54	11.73	11.59	13.00
20	16QAM	50	0		11.61	11.79	11.59	13.00
20	16QAM	50	24		11.54	11.78	11.68	13.00
20	16QAM	50	50		11.70	11.80	11.72	13.00
20	16QAM	100	0		11.60	11.80	11.61	13.00
20	64QAM	1	0		11.58	11.74	11.66	13.00
20	64QAM	1	49		11.66	11.82	11.69	13.00
20	64QAM	1	99		11.74	11.87	11.79	13.00
20	64QAM	50	0		11.67	11.87	11.75	13.00
20	64QAM	50	24		11.70	11.87	11.80	13.00
20	64QAM	50	50		11.58	11.73	11.54	13.00
20	64QAM	100	0		11.65	11.85	11.74	13.00
20	256QAM	1	0		11.60	11.82	11.63	13.00
20	256QAM	1	49		11.64	11.84	11.66	13.00
20	256QAM	1	99		11.79	12.03	11.84	13.00
20	256QAM	50	0		11.58	11.78	11.64	13.00
20	256QAM	50	24		11.58	11.81	11.67	13.00
20	256QAM	50	50		11.80	11.93	11.86	13.00
20	256QAM	100	0		11.57	11.77	11.58	13.00
Channel					132047	132322	132597	13.00
Frequency (MHz)					1717.5	1745	1772.5	
15	QPSK	1	0		11.92	12.01	11.89	13.00
15	QPSK	1	37		11.57	11.73	11.62	13.00
15	QPSK	1	74		11.57	11.74	11.60	13.00
15	QPSK	36	0		11.75	11.82	11.76	13.00
15	QPSK	36	20		11.53	11.66	11.47	13.00
15	QPSK	36	39		11.51	11.65	11.55	13.00
15	QPSK	75	0		11.70	11.83	11.72	13.00
15	16QAM	1	0		11.45	11.68	11.63	13.00
15	16QAM	1	37		11.61	11.78	11.72	13.00
15	16QAM	1	74		11.52	11.72	11.46	13.00
15	16QAM	36	0		11.46	11.73	11.54	13.00
15	16QAM	36	20		11.43	11.71	11.55	13.00
15	16QAM	36	39		11.68	11.79	11.61	13.00
15	16QAM	75	0		11.50	11.76	11.55	13.00
15	64QAM	1	0		11.45	11.65	11.54	13.00
15	64QAM	1	37		11.62	11.67	11.63	13.00
15	64QAM	1	74		11.64	11.73	11.75	13.00
15	64QAM	36	0		11.57	11.84	11.69	13.00
15	64QAM	36	20		11.59	11.81	11.75	13.00
15	64QAM	36	39		11.47	11.63	11.48	13.00
15	64QAM	75	0		11.58	11.75	11.70	13.00
15	256QAM	1	0		11.51	11.80	11.57	13.00
15	256QAM	1	37		11.55	11.71	11.51	13.00
15	256QAM	1	74		11.70	11.91	11.78	13.00
15	256QAM	36	0		11.47	11.64	11.53	13.00
15	256QAM	36	20		11.52	11.75	11.59	13.00
15	256QAM	36	39		11.67	11.86	11.72	13.00
15	256QAM	75	0		11.56	11.64	11.50	13.00
Channel					132022	132322	132622	13.00
Frequency (MHz)					1715	1745	1775	
10	QPSK	1	0		11.87	11.90	11.84	13.00
10	QPSK	1	25		11.58	11.72	11.58	13.00
10	QPSK	1	49		11.51	11.79	11.67	13.00
10	QPSK	25	0		11.76	11.89	11.74	13.00
10	QPSK	25	12		11.50	11.67	11.44	13.00
10	QPSK	25	25		11.46	11.64	11.63	13.00
10	QPSK	50	0		11.72	11.76	11.80	13.00



10	16QAM	1	0	11.46	11.66	11.63	13.00
10	16QAM	1	25	11.49	11.75	11.61	13.00
10	16QAM	1	49	11.47	11.69	11.51	13.00
10	16QAM	25	0	11.47	11.65	11.51	13.00
10	16QAM	25	12	11.48	11.74	11.54	13.00
10	16QAM	25	25	11.69	11.75	11.65	13.00
10	16QAM	50	0	11.54	11.66	11.54	13.00
10	64QAM	1	0	11.45	11.69	11.64	13.00
10	64QAM	1	25	11.60	11.80	11.68	13.00
10	64QAM	1	49	11.62	11.72	11.69	13.00
10	64QAM	25	0	11.57	11.82	11.67	13.00
10	64QAM	25	12	11.66	11.74	11.77	13.00
10	64QAM	25	25	11.54	11.71	11.43	13.00
10	64QAM	50	0	11.61	11.75	11.63	13.00
10	256QAM	1	0	11.46	11.74	11.54	13.00
10	256QAM	1	25	11.58	11.76	11.61	13.00
10	256QAM	1	49	11.71	11.90	11.73	13.00
10	256QAM	25	0	11.46	11.66	11.58	13.00
10	256QAM	25	12	11.56	11.68	11.60	13.00
10	256QAM	25	25	11.74	11.83	11.76	13.00
10	256QAM	50	0	11.55	11.71	11.49	13.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	11.92	11.98	11.96	13.00
5	QPSK	1	12	11.58	11.70	11.62	13.00
5	QPSK	1	24	11.60	11.72	11.62	13.00
5	QPSK	12	0	11.71	11.90	11.76	13.00
5	QPSK	12	7	11.57	11.74	11.50	13.00
5	QPSK	12	13	11.52	11.66	11.60	13.00
5	QPSK	25	0	11.78	11.79	11.79	13.00
5	16QAM	1	0	11.43	11.70	11.64	13.00
5	16QAM	1	12	11.61	11.81	11.69	13.00
5	16QAM	1	24	11.49	11.60	11.53	13.00
5	16QAM	12	0	11.51	11.68	11.58	13.00
5	16QAM	12	7	11.46	11.64	11.65	13.00
5	16QAM	12	13	11.68	11.77	11.63	13.00
5	16QAM	25	0	11.52	11.70	11.49	13.00
5	64QAM	1	0	11.52	11.61	11.51	13.00
5	64QAM	1	12	11.54	11.71	11.60	13.00
5	64QAM	1	24	11.69	11.73	11.64	13.00
5	64QAM	12	0	11.64	11.73	11.69	13.00
5	64QAM	12	7	11.63	11.83	11.79	13.00
5	64QAM	12	13	11.43	11.59	11.41	13.00
5	64QAM	25	0	11.57	11.80	11.69	13.00
5	256QAM	1	0	11.47	11.80	11.60	13.00
5	256QAM	1	12	11.50	11.76	11.51	13.00
5	256QAM	1	24	11.71	11.99	11.80	13.00
5	256QAM	12	0	11.51	11.64	11.51	13.00
5	256QAM	12	7	11.52	11.80	11.56	13.00
5	256QAM	12	13	11.66	11.88	11.84	13.00
5	256QAM	25	0	11.53	11.68	11.53	13.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	11.92	12.00	11.91	13.00
3	QPSK	1	8	11.57	11.76	11.56	13.00
3	QPSK	1	14	11.57	11.76	11.68	13.00
3	QPSK	8	0	11.73	11.79	11.81	13.00
3	QPSK	8	4	11.56	11.63	11.54	13.00
3	QPSK	8	7	11.41	11.64	11.53	13.00
3	QPSK	15	0	11.74	11.78	11.77	13.00
3	16QAM	1	0	11.47	11.72	11.59	13.00
3	16QAM	1	8	11.63	11.81	11.60	13.00
3	16QAM	1	14	11.39	11.63	11.55	13.00
3	16QAM	8	0	11.54	11.67	11.52	13.00
3	16QAM	8	4	11.50	11.70	11.58	13.00
3	16QAM	8	7	11.58	11.70	11.63	13.00
3	16QAM	15	0	11.55	11.68	11.60	13.00
3	64QAM	1	0	11.50	11.60	11.55	13.00
3	64QAM	1	8	11.60	11.73	11.67	13.00
3	64QAM	1	14	11.69	11.77	11.72	13.00
3	64QAM	8	0	11.62	11.75	11.62	13.00
3	64QAM	8	4	11.58	11.75	11.67	13.00
3	64QAM	8	7	11.53	11.61	11.49	13.00
3	64QAM	15	0	11.56	11.77	11.64	13.00
3	256QAM	1	0	11.53	11.78	11.56	13.00
3	256QAM	1	8	11.62	11.75	11.54	13.00
3	256QAM	1	14	11.76	11.96	11.72	13.00
3	256QAM	8	0	11.47	11.76	11.61	13.00



3	256QAM	8	4	11.46	11.76	11.58	13.00
3	256QAM	8	7	11.69	11.86	11.74	13.00
3	256QAM	15	0	11.55	11.69	11.49	13.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	11.81	11.99	11.95	13.00
1.4	QPSK	1	3	11.61	11.66	11.57	13.00
1.4	QPSK	1	5	11.59	11.66	11.68	13.00
1.4	QPSK	3	0	11.78	11.87	11.75	13.00
1.4	QPSK	3	1	11.55	11.64	11.58	13.00
1.4	QPSK	3	3	11.50	11.64	11.63	13.00
1.4	QPSK	6	0	11.75	11.76	11.80	13.00
1.4	16QAM	1	0	11.48	11.67	11.59	13.00
1.4	16QAM	1	3	11.57	11.73	11.61	13.00
1.4	16QAM	1	5	11.41	11.60	11.49	13.00
1.4	16QAM	3	0	11.51	11.69	11.49	13.00
1.4	16QAM	3	1	11.47	11.64	11.66	13.00
1.4	16QAM	3	3	11.59	11.68	11.67	13.00
1.4	16QAM	6	0	11.45	11.65	11.54	13.00
1.4	64QAM	1	0	11.46	11.64	11.55	13.00
1.4	64QAM	1	3	11.61	11.69	11.61	13.00
1.4	64QAM	1	5	11.66	11.79	11.70	13.00
1.4	64QAM	3	0	11.64	11.84	11.67	13.00
1.4	64QAM	3	1	11.63	11.74	11.77	13.00
1.4	64QAM	3	3	11.53	11.62	11.50	13.00
1.4	64QAM	6	0	11.60	11.77	11.61	13.00
1.4	256QAM	1	0	11.53	11.72	11.60	13.00
1.4	256QAM	1	3	11.58	11.75	11.56	13.00
1.4	256QAM	1	5	11.71	11.90	11.82	13.00
1.4	256QAM	3	0	11.44	11.66	11.55	13.00
1.4	256QAM	3	1	11.50	11.76	11.61	13.00
1.4	256QAM	3	3	11.66	11.86	11.73	13.00
1.4	256QAM	6	0	11.52	11.70	11.56	13.00

【LTE Band 66_Ant 0_Hotspot on】

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	11.94	12.03	11.98	13.00
20	QPSK	1	49	11.64	11.78	11.71	13.00
20	QPSK	1	99	11.64	11.81	11.74	13.00
20	QPSK	50	0	11.86	11.93	11.87	13.00
20	QPSK	50	24	11.63	11.77	11.59	13.00
20	QPSK	50	50	11.56	11.73	11.64	13.00
20	QPSK	100	0	11.82	11.89	11.84	13.00
20	16QAM	1	0	11.56	11.79	11.67	13.00
20	16QAM	1	49	11.64	11.87	11.75	13.00
20	16QAM	1	99	11.54	11.73	11.59	13.00
20	16QAM	50	0	11.61	11.79	11.59	13.00
20	16QAM	50	24	11.54	11.78	11.68	13.00
20	16QAM	50	50	11.70	11.80	11.72	13.00
20	16QAM	100	0	11.60	11.80	11.61	13.00
20	64QAM	1	0	11.58	11.74	11.66	13.00
20	64QAM	1	49	11.66	11.82	11.69	13.00
20	64QAM	1	99	11.74	11.87	11.79	13.00
20	64QAM	50	0	11.67	11.87	11.75	13.00
20	64QAM	50	24	11.70	11.87	11.80	13.00
20	64QAM	50	50	11.58	11.73	11.54	13.00
20	64QAM	100	0	11.65	11.85	11.74	13.00
20	256QAM	1	0	11.60	11.82	11.63	13.00
20	256QAM	1	49	11.64	11.84	11.66	13.00
20	256QAM	1	99	11.79	12.03	11.84	13.00
20	256QAM	50	0	11.58	11.78	11.64	13.00
20	256QAM	50	24	11.58	11.81	11.67	13.00
20	256QAM	50	50	11.80	11.93	11.86	13.00
20	256QAM	100	0	11.57	11.77	11.58	13.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	11.92	12.01	11.89	13.00
15	QPSK	1	37	11.57	11.73	11.62	13.00
15	QPSK	1	74	11.57	11.74	11.60	13.00



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15	QPSK	36	0	11.75	11.82	11.76	13.00
15	QPSK	36	20	11.53	11.66	11.47	13.00
15	QPSK	36	39	11.51	11.65	11.55	13.00
15	QPSK	75	0	11.70	11.83	11.72	13.00
15	16QAM	1	0	11.45	11.68	11.63	13.00
15	16QAM	1	37	11.61	11.78	11.72	13.00
15	16QAM	1	74	11.52	11.72	11.46	13.00
15	16QAM	36	0	11.46	11.73	11.54	13.00
15	16QAM	36	20	11.43	11.71	11.55	13.00
15	16QAM	36	39	11.68	11.79	11.61	13.00
15	16QAM	75	0	11.50	11.76	11.55	13.00
15	64QAM	1	0	11.45	11.65	11.54	13.00
15	64QAM	1	37	11.62	11.67	11.63	13.00
15	64QAM	1	74	11.64	11.73	11.75	13.00
15	64QAM	36	0	11.57	11.84	11.69	13.00
15	64QAM	36	20	11.59	11.81	11.75	13.00
15	64QAM	36	39	11.47	11.63	11.48	13.00
15	64QAM	75	0	11.58	11.75	11.70	13.00
15	256QAM	1	0	11.51	11.80	11.57	13.00
15	256QAM	1	37	11.55	11.71	11.51	13.00
15	256QAM	1	74	11.70	11.91	11.78	13.00
15	256QAM	36	0	11.47	11.64	11.53	13.00
15	256QAM	36	20	11.52	11.75	11.59	13.00
15	256QAM	36	39	11.67	11.86	11.72	13.00
15	256QAM	75	0	11.56	11.64	11.50	13.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	11.87	11.90	11.84	13.00
10	QPSK	1	25	11.58	11.72	11.58	13.00
10	QPSK	1	49	11.51	11.79	11.67	13.00
10	QPSK	25	0	11.76	11.89	11.74	13.00
10	QPSK	25	12	11.50	11.67	11.44	13.00
10	QPSK	25	25	11.46	11.64	11.63	13.00
10	QPSK	50	0	11.72	11.76	11.80	13.00
10	16QAM	1	0	11.46	11.66	11.63	13.00
10	16QAM	1	25	11.49	11.75	11.61	13.00
10	16QAM	1	49	11.47	11.69	11.51	13.00
10	16QAM	25	0	11.47	11.65	11.51	13.00
10	16QAM	25	12	11.48	11.74	11.54	13.00
10	16QAM	25	25	11.69	11.75	11.65	13.00
10	16QAM	50	0	11.54	11.66	11.54	13.00
10	64QAM	1	0	11.45	11.69	11.64	13.00
10	64QAM	1	25	11.60	11.80	11.68	13.00
10	64QAM	1	49	11.62	11.72	11.69	13.00
10	64QAM	25	0	11.57	11.82	11.67	13.00
10	64QAM	25	12	11.66	11.74	11.77	13.00
10	64QAM	25	25	11.54	11.71	11.43	13.00
10	64QAM	50	0	11.61	11.75	11.63	13.00
10	256QAM	1	0	11.46	11.74	11.54	13.00
10	256QAM	1	25	11.58	11.76	11.61	13.00
10	256QAM	1	49	11.71	11.90	11.73	13.00
10	256QAM	25	0	11.46	11.66	11.58	13.00
10	256QAM	25	12	11.56	11.68	11.60	13.00
10	256QAM	25	25	11.74	11.83	11.76	13.00
10	256QAM	50	0	11.55	11.71	11.49	13.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	11.92	11.98	11.96	13.00
5	QPSK	1	12	11.58	11.70	11.62	13.00
5	QPSK	1	24	11.60	11.72	11.62	13.00
5	QPSK	12	0	11.71	11.90	11.76	13.00
5	QPSK	12	7	11.57	11.74	11.50	13.00
5	QPSK	12	13	11.52	11.66	11.60	13.00
5	QPSK	25	0	11.78	11.79	11.79	13.00
5	16QAM	1	0	11.43	11.70	11.64	13.00
5	16QAM	1	12	11.61	11.81	11.69	13.00
5	16QAM	1	24	11.49	11.60	11.53	13.00
5	16QAM	12	0	11.51	11.68	11.58	13.00
5	16QAM	12	7	11.46	11.64	11.65	13.00
5	16QAM	12	13	11.68	11.77	11.63	13.00
5	16QAM	25	0	11.52	11.70	11.49	13.00
5	64QAM	1	0	11.52	11.61	11.51	13.00
5	64QAM	1	12	11.54	11.71	11.60	13.00
5	64QAM	1	24	11.69	11.73	11.64	13.00
5	64QAM	12	0	11.64	11.73	11.69	13.00
5	64QAM	12	7	11.63	11.83	11.79	13.00
5	64QAM	12	13	11.43	11.59	11.41	13.00
5	64QAM	25	0	11.57	11.80	11.69	13.00



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5	256QAM	1	0	11.47	11.80	11.60	13.00
5	256QAM	1	12	11.50	11.76	11.51	13.00
5	256QAM	1	24	11.71	11.99	11.80	13.00
5	256QAM	12	0	11.51	11.64	11.51	13.00
5	256QAM	12	7	11.52	11.80	11.56	13.00
5	256QAM	12	13	11.66	11.88	11.84	13.00
5	256QAM	25	0	11.53	11.68	11.53	13.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	11.92	12.00	11.91	13.00
3	QPSK	1	8	11.57	11.76	11.56	13.00
3	QPSK	1	14	11.57	11.76	11.68	13.00
3	QPSK	8	0	11.73	11.79	11.81	13.00
3	QPSK	8	4	11.56	11.63	11.54	13.00
3	QPSK	8	7	11.41	11.64	11.53	13.00
3	QPSK	15	0	11.74	11.78	11.77	13.00
3	16QAM	1	0	11.47	11.72	11.59	13.00
3	16QAM	1	8	11.63	11.81	11.60	13.00
3	16QAM	1	14	11.39	11.63	11.55	13.00
3	16QAM	8	0	11.54	11.67	11.52	13.00
3	16QAM	8	4	11.50	11.70	11.58	13.00
3	16QAM	8	7	11.58	11.70	11.63	13.00
3	16QAM	15	0	11.55	11.68	11.60	13.00
3	64QAM	1	0	11.50	11.60	11.55	13.00
3	64QAM	1	8	11.60	11.73	11.67	13.00
3	64QAM	1	14	11.69	11.77	11.72	13.00
3	64QAM	8	0	11.62	11.75	11.62	13.00
3	64QAM	8	4	11.58	11.75	11.67	13.00
3	64QAM	8	7	11.53	11.61	11.49	13.00
3	64QAM	15	0	11.56	11.77	11.64	13.00
3	256QAM	1	0	11.53	11.78	11.56	13.00
3	256QAM	1	8	11.62	11.75	11.54	13.00
3	256QAM	1	14	11.76	11.96	11.72	13.00
3	256QAM	8	0	11.47	11.76	11.61	13.00
3	256QAM	8	4	11.46	11.76	11.58	13.00
3	256QAM	8	7	11.69	11.86	11.74	13.00
3	256QAM	15	0	11.55	11.69	11.49	13.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	11.81	11.99	11.95	13.00
1.4	QPSK	1	3	11.61	11.66	11.57	13.00
1.4	QPSK	1	5	11.59	11.66	11.68	13.00
1.4	QPSK	3	0	11.78	11.87	11.75	13.00
1.4	QPSK	3	1	11.55	11.64	11.58	13.00
1.4	QPSK	3	3	11.50	11.64	11.63	13.00
1.4	QPSK	6	0	11.75	11.76	11.80	13.00
1.4	16QAM	1	0	11.48	11.67	11.59	13.00
1.4	16QAM	1	3	11.57	11.73	11.61	13.00
1.4	16QAM	1	5	11.41	11.60	11.49	13.00
1.4	16QAM	3	0	11.51	11.69	11.49	13.00
1.4	16QAM	3	1	11.47	11.64	11.66	13.00
1.4	16QAM	3	3	11.59	11.68	11.67	13.00
1.4	16QAM	6	0	11.45	11.65	11.54	13.00
1.4	64QAM	1	0	11.46	11.64	11.55	13.00
1.4	64QAM	1	3	11.61	11.69	11.61	13.00
1.4	64QAM	1	5	11.66	11.79	11.70	13.00
1.4	64QAM	3	0	11.64	11.84	11.67	13.00
1.4	64QAM	3	1	11.63	11.74	11.77	13.00
1.4	64QAM	3	3	11.53	11.62	11.50	13.00
1.4	64QAM	6	0	11.60	11.77	11.61	13.00
1.4	256QAM	1	0	11.53	11.72	11.60	13.00
1.4	256QAM	1	3	11.58	11.75	11.56	13.00
1.4	256QAM	1	5	11.71	11.90	11.82	13.00
1.4	256QAM	3	0	11.44	11.66	11.55	13.00
1.4	256QAM	3	1	11.50	11.76	11.61	13.00
1.4	256QAM	3	3	11.66	11.86	11.73	13.00
1.4	256QAM	6	0	11.52	11.70	11.56	13.00



【LTE Band 66_Ant 1_Sensor off】

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	23.25	23.30	23.21	24.00
20	QPSK	1	49	23.08	23.22	23.01	24.00
20	QPSK	1	99	23.17	23.29	23.14	24.00
20	QPSK	50	0	22.53	22.61	22.43	23.00
20	QPSK	50	24	22.39	22.52	22.40	23.00
20	QPSK	50	50	22.26	22.45	22.34	23.00
20	QPSK	100	0	22.31	22.46	22.36	23.00
20	16QAM	1	0	22.26	22.43	22.31	23.00
20	16QAM	1	49	22.10	22.27	22.16	23.00
20	16QAM	1	99	22.31	22.48	22.30	23.00
20	16QAM	50	0	21.28	21.46	21.32	22.00
20	16QAM	50	24	21.33	21.47	21.37	22.00
20	16QAM	50	50	21.35	21.54	21.33	22.00
20	16QAM	100	0	21.31	21.41	21.26	22.00
20	64QAM	1	0	21.33	21.52	21.42	22.00
20	64QAM	1	49	21.26	21.43	21.24	22.00
20	64QAM	1	99	21.43	21.57	21.40	22.00
20	64QAM	50	0	20.42	20.48	20.30	21.00
20	64QAM	50	24	20.41	20.47	20.28	21.00
20	64QAM	50	50	20.56	20.62	20.42	21.00
20	64QAM	100	0	20.25	20.43	20.33	21.00
20	256QAM	1	0	18.43	18.49	18.32	19.00
20	256QAM	1	49	18.56	18.66	18.55	19.00
20	256QAM	1	99	18.50	18.67	18.49	19.00
20	256QAM	50	0	18.33	18.47	18.33	19.00
20	256QAM	50	24	18.45	18.55	18.39	19.00
20	256QAM	50	50	18.47	18.53	18.39	19.00
20	256QAM	100	0	18.19	18.37	18.25	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.11	23.19	23.15	24.00
15	QPSK	1	37	22.98	23.10	22.96	24.00
15	QPSK	1	74	23.11	23.19	23.06	24.00
15	QPSK	36	0	22.42	22.55	22.30	23.00
15	QPSK	36	20	22.33	22.40	22.28	23.00
15	QPSK	36	39	22.11	22.35	22.27	23.00
15	QPSK	75	0	22.18	22.36	22.25	23.00
15	16QAM	1	0	22.22	22.33	22.19	23.00
15	16QAM	1	37	21.97	22.12	22.09	23.00
15	16QAM	1	74	22.23	22.35	22.21	23.00
15	16QAM	36	0	21.18	21.44	21.25	22.00
15	16QAM	36	20	21.26	21.41	21.35	22.00
15	16QAM	36	39	21.30	21.50	21.30	22.00
15	16QAM	75	0	21.24	21.39	21.22	22.00
15	64QAM	1	0	21.30	21.41	21.39	22.00
15	64QAM	1	37	21.25	21.36	21.23	22.00
15	64QAM	1	74	21.39	21.49	21.30	22.00
15	64QAM	36	0	20.35	20.44	20.27	21.00
15	64QAM	36	20	20.36	20.39	20.21	21.00
15	64QAM	36	39	20.45	20.54	20.29	21.00
15	64QAM	75	0	20.13	20.36	20.26	21.00
15	256QAM	1	0	18.41	18.46	18.26	19.00
15	256QAM	1	37	18.45	18.52	18.45	19.00
15	256QAM	1	74	18.46	18.66	18.37	19.00
15	256QAM	36	0	18.19	18.32	18.31	19.00
15	256QAM	36	20	18.34	18.48	18.36	19.00
15	256QAM	36	39	18.39	18.46	18.25	19.00
15	256QAM	75	0	18.12	18.27	18.21	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.14	23.24	23.15	24.00
10	QPSK	1	25	22.94	23.16	22.92	24.00
10	QPSK	1	49	23.12	23.15	23.04	24.00
10	QPSK	25	0	22.39	22.59	22.34	23.00
10	QPSK	25	12	22.24	22.50	22.38	23.00
10	QPSK	25	25	22.14	22.35	22.27	23.00
10	QPSK	50	0	22.28	22.32	22.24	23.00
10	16QAM	1	0	22.15	22.33	22.19	23.00
10	16QAM	1	25	22.02	22.20	22.08	23.00
10	16QAM	1	49	22.29	22.39	22.22	23.00
10	16QAM	25	0	21.21	21.39	21.21	22.00



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10	16QAM	25	12	21.31	21.35	21.24	22.00
10	16QAM	25	25	21.20	21.40	21.27	22.00
10	16QAM	50	0	21.21	21.37	21.20	22.00
10	64QAM	1	0	21.30	21.43	21.32	22.00
10	64QAM	1	25	21.12	21.42	21.14	22.00
10	64QAM	1	49	21.40	21.47	21.31	22.00
10	64QAM	25	0	20.34	20.33	20.23	21.00
10	64QAM	25	12	20.34	20.41	20.22	21.00
10	64QAM	25	25	20.50	20.58	20.33	21.00
10	64QAM	50	0	20.16	20.38	20.30	21.00
10	256QAM	1	0	18.35	18.48	18.18	19.00
10	256QAM	1	25	18.52	18.60	18.51	19.00
10	256QAM	1	49	18.46	18.64	18.39	19.00
10	256QAM	25	0	18.24	18.38	18.19	19.00
10	256QAM	25	12	18.43	18.44	18.35	19.00
10	256QAM	25	25	18.35	18.40	18.29	19.00
10	256QAM	50	0	18.15	18.23	18.23	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.21	23.28	23.18	24.00
5	QPSK	1	12	22.97	23.08	22.92	24.00
5	QPSK	1	24	23.09	23.21	23.00	24.00
5	QPSK	12	0	22.46	22.55	22.30	23.00
5	QPSK	12	7	22.34	22.47	22.34	23.00
5	QPSK	12	13	22.23	22.32	22.30	23.00
5	QPSK	25	0	22.16	22.44	22.34	23.00
5	16QAM	1	0	22.19	22.37	22.17	23.00
5	16QAM	1	12	22.05	22.18	22.15	23.00
5	16QAM	1	24	22.25	22.38	22.16	23.00
5	16QAM	12	0	21.21	21.35	21.26	22.00
5	16QAM	12	7	21.23	21.36	21.22	22.00
5	16QAM	12	13	21.33	21.49	21.28	22.00
5	16QAM	25	0	21.27	21.29	21.20	22.00
5	64QAM	1	0	21.29	21.38	21.40	22.00
5	64QAM	1	12	21.21	21.29	21.23	22.00
5	64QAM	1	24	21.32	21.47	21.25	22.00
5	64QAM	12	0	20.30	20.36	20.17	21.00
5	64QAM	12	7	20.29	20.38	20.15	21.00
5	64QAM	12	13	20.48	20.58	20.29	21.00
5	64QAM	25	0	20.22	20.42	20.25	21.00
5	256QAM	1	0	18.34	18.37	18.17	19.00
5	256QAM	1	12	18.53	18.63	18.52	19.00
5	256QAM	1	24	18.41	18.64	18.46	19.00
5	256QAM	12	0	18.31	18.38	18.29	19.00
5	256QAM	12	7	18.37	18.44	18.36	19.00
5	256QAM	12	13	18.43	18.42	18.28	19.00
5	256QAM	25	0	18.14	18.31	18.12	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.14	23.23	23.15	24.00
3	QPSK	1	8	23.00	23.10	22.87	24.00
3	QPSK	1	14	23.11	23.23	22.99	24.00
3	QPSK	8	0	22.51	22.53	22.35	23.00
3	QPSK	8	4	22.35	22.50	22.30	23.00
3	QPSK	8	7	22.24	22.31	22.28	23.00
3	QPSK	15	0	22.23	22.44	22.30	23.00
3	16QAM	1	0	22.15	22.40	22.27	23.00
3	16QAM	1	8	22.03	22.26	22.10	23.00
3	16QAM	1	14	22.27	22.38	22.25	23.00
3	16QAM	8	0	21.15	21.33	21.28	22.00
3	16QAM	8	4	21.31	21.46	21.31	22.00
3	16QAM	8	7	21.29	21.47	21.22	22.00
3	16QAM	15	0	21.18	21.37	21.17	22.00
3	64QAM	1	0	21.20	21.46	21.38	22.00
3	64QAM	1	8	21.15	21.31	21.18	22.00
3	64QAM	1	14	21.29	21.50	21.34	22.00
3	64QAM	8	0	20.33	20.44	20.21	21.00
3	64QAM	8	4	20.26	20.44	20.15	21.00
3	64QAM	8	7	20.42	20.59	20.36	21.00
3	64QAM	15	0	20.20	20.34	20.24	21.00
3	256QAM	1	0	18.40	18.38	18.29	19.00
3	256QAM	1	8	18.55	18.51	18.41	19.00
3	256QAM	1	14	18.37	18.56	18.47	19.00
3	256QAM	8	0	18.30	18.39	18.25	19.00
3	256QAM	8	4	18.34	18.48	18.28	19.00
3	256QAM	8	7	18.35	18.43	18.32	19.00
3	256QAM	15	0	18.10	18.27	18.15	19.00
Channel				131979	132322	132665	Tune-up limit



Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.14	23.25	23.17	24.00
1.4	QPSK	1	3	23.04	23.09	22.86	24.00
1.4	QPSK	1	5	23.06	23.28	23.12	24.00
1.4	QPSK	3	0	23.24	23.28	23.20	24.00
1.4	QPSK	3	1	23.24	23.30	23.20	24.00
1.4	QPSK	3	3	23.24	23.28	23.20	24.00
1.4	QPSK	6	0	22.23	22.32	22.22	23.00
1.4	16QAM	1	0	22.16	22.30	22.25	23.00
1.4	16QAM	1	3	22.07	22.15	22.08	23.00
1.4	16QAM	1	5	22.26	22.41	22.20	23.00
1.4	16QAM	3	0	22.23	22.36	22.27	23.00
1.4	16QAM	3	1	22.30	22.37	22.25	23.00
1.4	16QAM	3	3	22.20	22.41	22.19	23.00
1.4	16QAM	6	0	21.24	21.36	21.21	22.00
1.4	64QAM	1	0	21.29	21.47	21.32	22.00
1.4	64QAM	1	3	21.14	21.32	21.18	22.00
1.4	64QAM	1	5	21.29	21.51	21.30	22.00
1.4	64QAM	3	0	21.37	21.39	21.26	22.00
1.4	64QAM	3	1	21.40	21.35	21.16	22.00
1.4	64QAM	3	3	21.43	21.57	21.29	22.00
1.4	64QAM	6	0	20.22	20.38	20.29	21.00
1.4	256QAM	1	0	18.40	18.46	18.24	19.00
1.4	256QAM	1	3	18.41	18.56	18.40	19.00
1.4	256QAM	1	5	18.47	18.58	18.42	19.00
1.4	256QAM	3	0	18.18	18.37	18.20	19.00
1.4	256QAM	3	1	18.37	18.44	18.36	19.00
1.4	256QAM	3	3	18.41	18.46	18.24	19.00
1.4	256QAM	6	0	18.04	18.32	18.19	19.00

【LTE Band 66_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.25	23.30	23.21	24.00
20	QPSK	1	49	23.08	23.22	23.01	24.00
20	QPSK	1	99	23.17	23.29	23.14	24.00
20	QPSK	50	0	22.53	22.61	22.43	23.00
20	QPSK	50	24	22.39	22.52	22.40	23.00
20	QPSK	50	50	22.26	22.45	22.34	23.00
20	QPSK	100	0	22.31	22.46	22.36	23.00
20	16QAM	1	0	22.26	22.43	22.31	23.00
20	16QAM	1	49	22.10	22.27	22.16	23.00
20	16QAM	1	99	22.31	22.48	22.30	23.00
20	16QAM	50	0	21.28	21.46	21.32	22.00
20	16QAM	50	24	21.33	21.47	21.37	22.00
20	16QAM	50	50	21.35	21.54	21.33	22.00
20	16QAM	100	0	21.31	21.41	21.26	22.00
20	64QAM	1	0	21.33	21.52	21.42	22.00
20	64QAM	1	49	21.26	21.43	21.24	22.00
20	64QAM	1	99	21.43	21.57	21.40	22.00
20	64QAM	50	0	20.42	20.48	20.30	21.00
20	64QAM	50	24	20.41	20.47	20.28	21.00
20	64QAM	50	50	20.56	20.62	20.42	21.00
20	64QAM	100	0	20.25	20.43	20.33	21.00
20	256QAM	1	0	18.43	18.49	18.32	19.00
20	256QAM	1	49	18.56	18.66	18.55	19.00
20	256QAM	1	99	18.50	18.67	18.49	19.00
20	256QAM	50	0	18.33	18.47	18.33	19.00
20	256QAM	50	24	18.45	18.55	18.39	19.00
20	256QAM	50	50	18.47	18.53	18.39	19.00
20	256QAM	100	0	18.19	18.37	18.25	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.11	23.19	23.15	24.00
15	QPSK	1	37	22.98	23.10	22.96	24.00
15	QPSK	1	74	23.11	23.19	23.06	24.00
15	QPSK	36	0	22.42	22.55	22.30	23.00
15	QPSK	36	20	22.33	22.40	22.28	23.00
15	QPSK	36	39	22.11	22.35	22.27	23.00
15	QPSK	75	0	22.18	22.36	22.25	23.00



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15	16QAM	1	0	22.22	22.33	22.19	23.00
15	16QAM	1	37	21.97	22.12	22.09	23.00
15	16QAM	1	74	22.23	22.35	22.21	23.00
15	16QAM	36	0	21.18	21.44	21.25	22.00
15	16QAM	36	20	21.26	21.41	21.35	22.00
15	16QAM	36	39	21.30	21.50	21.30	22.00
15	16QAM	75	0	21.24	21.39	21.22	22.00
15	64QAM	1	0	21.30	21.41	21.39	22.00
15	64QAM	1	37	21.25	21.36	21.23	22.00
15	64QAM	1	74	21.39	21.49	21.30	22.00
15	64QAM	36	0	20.35	20.44	20.27	21.00
15	64QAM	36	20	20.36	20.39	20.21	21.00
15	64QAM	36	39	20.45	20.54	20.29	21.00
15	64QAM	75	0	20.13	20.36	20.26	21.00
15	256QAM	1	0	18.41	18.46	18.26	19.00
15	256QAM	1	37	18.45	18.52	18.45	19.00
15	256QAM	1	74	18.46	18.66	18.37	19.00
15	256QAM	36	0	18.19	18.32	18.31	19.00
15	256QAM	36	20	18.34	18.48	18.36	19.00
15	256QAM	36	39	18.39	18.46	18.25	19.00
15	256QAM	75	0	18.12	18.27	18.21	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.14	23.24	23.15	24.00
10	QPSK	1	25	22.94	23.16	22.92	24.00
10	QPSK	1	49	23.12	23.15	23.04	24.00
10	QPSK	25	0	22.39	22.59	22.34	23.00
10	QPSK	25	12	22.24	22.50	22.38	23.00
10	QPSK	25	25	22.14	22.35	22.27	23.00
10	QPSK	50	0	22.28	22.32	22.24	23.00
10	16QAM	1	0	22.15	22.33	22.19	23.00
10	16QAM	1	25	22.02	22.20	22.08	23.00
10	16QAM	1	49	22.29	22.39	22.22	23.00
10	16QAM	25	0	21.21	21.39	21.21	22.00
10	16QAM	25	12	21.31	21.35	21.24	22.00
10	16QAM	25	25	21.20	21.40	21.27	22.00
10	16QAM	50	0	21.21	21.37	21.20	22.00
10	64QAM	1	0	21.30	21.43	21.32	22.00
10	64QAM	1	25	21.12	21.42	21.14	22.00
10	64QAM	1	49	21.40	21.47	21.31	22.00
10	64QAM	25	0	20.34	20.33	20.23	21.00
10	64QAM	25	12	20.34	20.41	20.22	21.00
10	64QAM	25	25	20.50	20.58	20.33	21.00
10	64QAM	50	0	20.16	20.38	20.30	21.00
10	256QAM	1	0	18.35	18.48	18.18	19.00
10	256QAM	1	25	18.52	18.60	18.51	19.00
10	256QAM	1	49	18.46	18.64	18.39	19.00
10	256QAM	25	0	18.24	18.38	18.19	19.00
10	256QAM	25	12	18.43	18.44	18.35	19.00
10	256QAM	25	25	18.35	18.40	18.29	19.00
10	256QAM	50	0	18.15	18.23	18.23	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.21	23.28	23.18	24.00
5	QPSK	1	12	22.97	23.08	22.92	24.00
5	QPSK	1	24	23.09	23.21	23.00	24.00
5	QPSK	12	0	22.46	22.55	22.30	23.00
5	QPSK	12	7	22.34	22.47	22.34	23.00
5	QPSK	12	13	22.23	22.32	22.30	23.00
5	QPSK	25	0	22.16	22.44	22.34	23.00
5	16QAM	1	0	22.19	22.37	22.17	23.00
5	16QAM	1	12	22.05	22.18	22.15	23.00
5	16QAM	1	24	22.25	22.38	22.16	23.00
5	16QAM	12	0	21.21	21.35	21.26	22.00
5	16QAM	12	7	21.23	21.36	21.22	22.00
5	16QAM	12	13	21.33	21.49	21.28	22.00
5	16QAM	25	0	21.27	21.29	21.20	22.00
5	64QAM	1	0	21.29	21.38	21.40	22.00
5	64QAM	1	12	21.21	21.29	21.23	22.00
5	64QAM	1	24	21.32	21.47	21.25	22.00
5	64QAM	12	0	20.30	20.36	20.17	21.00
5	64QAM	12	7	20.29	20.38	20.15	21.00
5	64QAM	12	13	20.48	20.58	20.29	21.00
5	64QAM	25	0	20.22	20.42	20.25	21.00
5	256QAM	1	0	18.34	18.37	18.17	19.00
5	256QAM	1	12	18.53	18.63	18.52	19.00
5	256QAM	1	24	18.41	18.64	18.46	19.00
5	256QAM	12	0	18.31	18.38	18.29	19.00



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5	256QAM	12	7	18.37	18.44	18.36	19.00
5	256QAM	12	13	18.43	18.42	18.28	19.00
5	256QAM	25	0	18.14	18.31	18.12	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.14	23.23	23.15	24.00
3	QPSK	1	8	23.00	23.10	22.87	24.00
3	QPSK	1	14	23.11	23.23	22.99	24.00
3	QPSK	8	0	22.51	22.53	22.35	23.00
3	QPSK	8	4	22.35	22.50	22.30	23.00
3	QPSK	8	7	22.24	22.31	22.28	23.00
3	QPSK	15	0	22.23	22.44	22.30	23.00
3	16QAM	1	0	22.15	22.40	22.27	23.00
3	16QAM	1	8	22.03	22.26	22.10	23.00
3	16QAM	1	14	22.27	22.38	22.25	23.00
3	16QAM	8	0	21.15	21.33	21.28	22.00
3	16QAM	8	4	21.31	21.46	21.31	22.00
3	16QAM	8	7	21.29	21.47	21.22	22.00
3	16QAM	15	0	21.18	21.37	21.17	22.00
3	64QAM	1	0	21.20	21.46	21.38	22.00
3	64QAM	1	8	21.15	21.31	21.18	22.00
3	64QAM	1	14	21.29	21.50	21.34	22.00
3	64QAM	8	0	20.33	20.44	20.21	21.00
3	64QAM	8	4	20.26	20.44	20.15	21.00
3	64QAM	8	7	20.42	20.59	20.36	21.00
3	64QAM	15	0	20.20	20.34	20.24	21.00
3	256QAM	1	0	18.40	18.38	18.29	19.00
3	256QAM	1	8	18.55	18.51	18.41	19.00
3	256QAM	1	14	18.37	18.56	18.47	19.00
3	256QAM	8	0	18.30	18.39	18.25	19.00
3	256QAM	8	4	18.34	18.48	18.28	19.00
3	256QAM	8	7	18.35	18.43	18.32	19.00
3	256QAM	15	0	18.10	18.27	18.15	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.14	23.25	23.17	24.00
1.4	QPSK	1	3	23.04	23.09	22.86	24.00
1.4	QPSK	1	5	23.06	23.28	23.12	24.00
1.4	QPSK	3	0	23.24	23.28	23.20	24.00
1.4	QPSK	3	1	23.24	23.30	23.20	24.00
1.4	QPSK	3	3	23.24	23.28	23.20	24.00
1.4	QPSK	6	0	22.23	22.32	22.22	23.00
1.4	16QAM	1	0	22.16	22.30	22.25	23.00
1.4	16QAM	1	3	22.07	22.15	22.08	23.00
1.4	16QAM	1	5	22.26	22.41	22.20	23.00
1.4	16QAM	3	0	22.23	22.36	22.27	23.00
1.4	16QAM	3	1	22.30	22.37	22.25	23.00
1.4	16QAM	3	3	22.20	22.41	22.19	23.00
1.4	16QAM	6	0	21.24	21.36	21.21	22.00
1.4	64QAM	1	0	21.29	21.47	21.32	22.00
1.4	64QAM	1	3	21.14	21.32	21.18	22.00
1.4	64QAM	1	5	21.29	21.51	21.30	22.00
1.4	64QAM	3	0	21.37	21.39	21.26	22.00
1.4	64QAM	3	1	21.40	21.35	21.16	22.00
1.4	64QAM	3	3	21.43	21.57	21.29	22.00
1.4	64QAM	6	0	20.22	20.38	20.29	21.00
1.4	256QAM	1	0	18.40	18.46	18.24	19.00
1.4	256QAM	1	3	18.41	18.56	18.40	19.00
1.4	256QAM	1	5	18.47	18.58	18.42	19.00
1.4	256QAM	3	0	18.18	18.37	18.20	19.00
1.4	256QAM	3	1	18.37	18.44	18.36	19.00
1.4	256QAM	3	3	18.41	18.46	18.24	19.00
1.4	256QAM	6	0	18.04	18.32	18.19	19.00

【LTE Band 66_Ant 1_Sensor on】

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	18.34	18.37	18.35	19.00
20	QPSK	1	49	17.83	17.93	17.86	19.00
20	QPSK	1	99	17.80	17.97	17.92	19.00



20	QPSK	50	0	18.27	18.32	18.22	19.00
20	QPSK	50	24	17.85	18.01	17.88	19.00
20	QPSK	50	50	17.89	17.96	17.80	19.00
20	QPSK	100	0	18.21	18.26	18.23	19.00
20	16QAM	1	0	17.92	18.02	17.87	19.00
20	16QAM	1	49	17.86	18.00	17.88	19.00
20	16QAM	1	99	17.91	18.06	17.89	19.00
20	16QAM	50	0	18.00	18.06	17.90	19.00
20	16QAM	50	24	17.97	18.04	17.94	19.00
20	16QAM	50	50	17.91	17.96	17.81	19.00
20	16QAM	100	0	17.83	17.99	17.84	19.00
20	64QAM	1	0	17.94	18.07	17.94	19.00
20	64QAM	1	49	17.86	17.96	17.92	19.00
20	64QAM	1	99	17.85	17.96	17.80	19.00
20	64QAM	50	0	17.78	17.93	17.86	19.00
20	64QAM	50	24	17.82	17.95	17.82	19.00
20	64QAM	50	50	17.90	18.03	17.99	19.00
20	64QAM	100	0	17.96	18.07	17.94	19.00
20	256QAM	1	0	18.08	18.13	18.00	19.00
20	256QAM	1	49	18.00	18.16	18.08	19.00
20	256QAM	1	99	18.07	18.17	18.05	19.00
20	256QAM	50	0	18.06	18.14	18.10	19.00
20	256QAM	50	24	18.13	18.25	18.20	19.00
20	256QAM	50	50	18.09	18.13	18.02	19.00
20	256QAM	100	0	18.12	18.17	18.09	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	18.19	18.29	18.31	19.00
15	QPSK	1	37	17.74	17.88	17.81	19.00
15	QPSK	1	74	17.65	17.95	17.83	19.00
15	QPSK	36	0	18.21	18.23	18.10	19.00
15	QPSK	36	20	17.78	17.87	17.77	19.00
15	QPSK	36	39	17.88	17.86	17.77	19.00
15	QPSK	75	0	18.18	18.13	18.09	19.00
15	16QAM	1	0	17.90	17.98	17.84	19.00
15	16QAM	1	37	17.74	17.95	17.79	19.00
15	16QAM	1	74	17.88	17.97	17.88	19.00
15	16QAM	36	0	17.88	18.00	17.88	19.00
15	16QAM	36	20	17.85	17.91	17.82	19.00
15	16QAM	36	39	17.90	17.89	17.67	19.00
15	16QAM	75	0	17.77	17.97	17.82	19.00
15	64QAM	1	0	17.87	17.99	17.79	19.00
15	64QAM	1	37	17.81	17.89	17.83	19.00
15	64QAM	1	74	17.78	17.89	17.70	19.00
15	64QAM	36	0	17.68	17.92	17.77	19.00
15	64QAM	36	20	17.79	17.82	17.80	19.00
15	64QAM	36	39	17.86	17.92	17.86	19.00
15	64QAM	75	0	17.87	17.97	17.89	19.00
15	256QAM	1	0	17.95	18.11	17.93	19.00
15	256QAM	1	37	17.97	18.02	18.06	19.00
15	256QAM	1	74	18.01	18.11	17.95	19.00
15	256QAM	36	0	18.02	17.99	17.99	19.00
15	256QAM	36	20	17.99	18.12	18.17	19.00
15	256QAM	36	39	17.95	18.04	17.88	19.00
15	256QAM	75	0	18.02	18.04	18.07	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	18.26	18.23	18.29	19.00
10	QPSK	1	25	17.78	17.85	17.73	19.00
10	QPSK	1	49	17.77	17.96	17.79	19.00
10	QPSK	25	0	18.13	18.21	18.13	19.00
10	QPSK	25	12	17.73	18.00	17.86	19.00
10	QPSK	25	25	17.77	17.85	17.72	19.00
10	QPSK	50	0	18.19	18.16	18.09	19.00
10	16QAM	1	0	17.80	17.91	17.78	19.00
10	16QAM	1	25	17.84	17.97	17.80	19.00
10	16QAM	1	49	17.76	17.93	17.77	19.00
10	16QAM	25	0	17.99	17.93	17.88	19.00
10	16QAM	25	12	17.85	18.00	17.85	19.00
10	16QAM	25	25	17.89	17.89	17.79	19.00
10	16QAM	50	0	17.76	17.86	17.74	19.00
10	64QAM	1	0	17.85	18.03	17.92	19.00
10	64QAM	1	25	17.72	17.84	17.90	19.00
10	64QAM	1	49	17.83	17.86	17.68	19.00
10	64QAM	25	0	17.76	17.91	17.84	19.00
10	64QAM	25	12	17.80	17.82	17.76	19.00
10	64QAM	25	25	17.83	17.91	17.92	19.00
10	64QAM	50	0	17.88	17.92	17.79	19.00



10	256QAM	1	0	17.97	17.99	17.96	19.00
10	256QAM	1	25	17.90	18.08	18.01	19.00
10	256QAM	1	49	18.03	18.06	18.03	19.00
10	256QAM	25	0	17.99	18.12	17.99	19.00
10	256QAM	25	12	17.99	18.11	18.17	19.00
10	256QAM	25	25	18.02	18.05	17.94	19.00
10	256QAM	50	0	18.09	18.15	17.99	19.00
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.32	18.28	18.21	19.00
5	QPSK	1	12	17.74	17.86	17.75	19.00
5	QPSK	1	24	17.77	17.83	17.81	19.00
5	QPSK	12	0	18.17	18.27	18.10	19.00
5	QPSK	12	7	17.78	17.87	17.78	19.00
5	QPSK	12	13	17.88	17.87	17.68	19.00
5	QPSK	25	0	18.12	18.12	18.10	19.00
5	16QAM	1	0	17.83	17.99	17.86	19.00
5	16QAM	1	12	17.73	17.97	17.85	19.00
5	16QAM	1	24	17.89	17.92	17.86	19.00
5	16QAM	12	0	17.91	17.97	17.82	19.00
5	16QAM	12	7	17.84	18.00	17.86	19.00
5	16QAM	12	13	17.77	17.95	17.70	19.00
5	16QAM	25	0	17.77	17.86	17.77	19.00
5	64QAM	1	0	17.79	18.03	17.88	19.00
5	64QAM	1	12	17.79	17.94	17.85	19.00
5	64QAM	1	24	17.70	17.87	17.78	19.00
5	64QAM	12	0	17.63	17.84	17.72	19.00
5	64QAM	12	7	17.72	17.80	17.72	19.00
5	64QAM	12	13	17.75	17.89	17.95	19.00
5	64QAM	25	0	17.91	17.94	17.84	19.00
5	256QAM	1	0	17.94	18.01	17.96	19.00
5	256QAM	1	12	17.94	18.11	17.96	19.00
5	256QAM	1	24	17.93	18.02	18.03	19.00
5	256QAM	12	0	18.01	18.01	17.99	19.00
5	256QAM	12	7	17.98	18.10	18.14	19.00
5	256QAM	12	13	17.97	18.04	17.97	19.00
5	256QAM	25	0	18.06	18.09	17.97	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	18.20	18.29	18.24	19.00
3	QPSK	1	8	17.75	17.85	17.84	19.00
3	QPSK	1	14	17.70	17.89	17.78	19.00
3	QPSK	8	0	18.15	18.30	18.08	19.00
3	QPSK	8	4	17.76	17.91	17.87	19.00
3	QPSK	8	7	17.81	17.84	17.73	19.00
3	QPSK	15	0	18.18	18.15	18.19	19.00
3	16QAM	1	0	17.85	17.89	17.84	19.00
3	16QAM	1	8	17.74	17.87	17.80	19.00
3	16QAM	1	14	17.77	18.01	17.87	19.00
3	16QAM	8	0	17.87	17.95	17.85	19.00
3	16QAM	8	4	17.95	18.01	17.92	19.00
3	16QAM	8	7	17.80	17.86	17.80	19.00
3	16QAM	15	0	17.81	17.91	17.80	19.00
3	64QAM	1	0	17.81	18.00	17.90	19.00
3	64QAM	1	8	17.84	17.91	17.84	19.00
3	64QAM	1	14	17.81	17.89	17.74	19.00
3	64QAM	8	0	17.74	17.90	17.80	19.00
3	64QAM	8	4	17.72	17.89	17.72	19.00
3	64QAM	8	7	17.82	17.97	17.92	19.00
3	64QAM	15	0	17.83	17.94	17.79	19.00
3	256QAM	1	0	17.93	17.99	17.96	19.00
3	256QAM	1	8	17.91	18.05	17.96	19.00
3	256QAM	1	14	17.95	18.14	18.03	19.00
3	256QAM	8	0	18.02	18.02	18.00	19.00
3	256QAM	8	4	18.02	18.21	18.19	19.00
3	256QAM	8	7	17.98	18.10	17.90	19.00
3	256QAM	15	0	18.00	18.11	18.05	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.22	18.22	18.30	19.00
1.4	QPSK	1	3	17.75	17.91	17.75	19.00
1.4	QPSK	1	5	17.76	17.91	17.86	19.00
1.4	QPSK	3	0	18.15	18.28	18.21	19.00
1.4	QPSK	3	1	17.78	17.94	17.87	19.00
1.4	QPSK	3	3	17.83	17.85	17.72	19.00
1.4	QPSK	6	0	18.13	18.12	18.22	19.00
1.4	16QAM	1	0	17.79	17.94	17.85	19.00
1.4	16QAM	1	3	17.84	17.90	17.84	19.00



1.4	16QAM	1	5	17.89	17.93	17.87	19.00
1.4	16QAM	3	0	17.91	18.03	17.80	19.00
1.4	16QAM	3	1	17.89	17.95	17.93	19.00
1.4	16QAM	3	3	17.83	17.94	17.73	19.00
1.4	16QAM	6	0	17.80	17.89	17.73	19.00
1.4	64QAM	1	0	17.88	17.94	17.87	19.00
1.4	64QAM	1	3	17.82	17.91	17.82	19.00
1.4	64QAM	1	5	17.83	17.84	17.75	19.00
1.4	64QAM	3	0	17.75	17.88	17.82	19.00
1.4	64QAM	3	1	17.76	17.86	17.75	19.00
1.4	64QAM	3	3	17.84	17.94	17.97	19.00
1.4	64QAM	6	0	17.85	17.97	17.91	19.00
1.4	256QAM	1	0	17.94	18.03	17.86	19.00
1.4	256QAM	1	3	17.86	18.13	18.05	19.00
1.4	256QAM	1	5	18.01	18.12	17.96	19.00
1.4	256QAM	3	0	17.91	18.11	17.96	19.00
1.4	256QAM	3	1	18.02	18.14	18.17	19.00
1.4	256QAM	3	3	18.00	18.02	17.92	19.00
1.4	256QAM	6	0	18.04	18.10	17.98	19.00

【LTE Band 66_Ant 1_Hotspot on】

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	18.34	18.37	18.35	19.00
20	QPSK	1	49	17.83	17.93	17.86	19.00
20	QPSK	1	99	17.80	17.97	17.92	19.00
20	QPSK	50	0	18.27	18.32	18.22	19.00
20	QPSK	50	24	17.85	18.01	17.88	19.00
20	QPSK	50	50	17.89	17.96	17.80	19.00
20	QPSK	100	0	18.21	18.26	18.23	19.00
20	16QAM	1	0	17.92	18.02	17.87	19.00
20	16QAM	1	49	17.86	18.00	17.88	19.00
20	16QAM	1	99	17.91	18.06	17.89	19.00
20	16QAM	50	0	18.00	18.06	17.90	19.00
20	16QAM	50	24	17.97	18.04	17.94	19.00
20	16QAM	50	50	17.91	17.96	17.81	19.00
20	16QAM	100	0	17.83	17.99	17.84	19.00
20	64QAM	1	0	17.94	18.07	17.94	19.00
20	64QAM	1	49	17.86	17.96	17.92	19.00
20	64QAM	1	99	17.85	17.96	17.80	19.00
20	64QAM	50	0	17.78	17.93	17.86	19.00
20	64QAM	50	24	17.82	17.95	17.82	19.00
20	64QAM	50	50	17.90	18.03	17.99	19.00
20	64QAM	100	0	17.96	18.07	17.94	19.00
20	256QAM	1	0	18.08	18.13	18.00	19.00
20	256QAM	1	49	18.00	18.16	18.08	19.00
20	256QAM	1	99	18.07	18.17	18.05	19.00
20	256QAM	50	0	18.06	18.14	18.10	19.00
20	256QAM	50	24	18.13	18.25	18.20	19.00
20	256QAM	50	50	18.09	18.13	18.02	19.00
20	256QAM	100	0	18.12	18.17	18.09	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.19	18.29	18.31	19.00
15	QPSK	1	37	17.74	17.88	17.81	19.00
15	QPSK	1	74	17.65	17.95	17.83	19.00
15	QPSK	36	0	18.21	18.23	18.10	19.00
15	QPSK	36	20	17.78	17.87	17.77	19.00
15	QPSK	36	39	17.88	17.86	17.77	19.00
15	QPSK	75	0	18.18	18.13	18.09	19.00
15	16QAM	1	0	17.90	17.98	17.84	19.00
15	16QAM	1	37	17.74	17.95	17.79	19.00
15	16QAM	1	74	17.88	17.97	17.88	19.00
15	16QAM	36	0	17.88	18.00	17.88	19.00
15	16QAM	36	20	17.85	17.91	17.82	19.00
15	16QAM	36	39	17.90	17.89	17.67	19.00
15	16QAM	75	0	17.77	17.97	17.82	19.00
15	64QAM	1	0	17.87	17.99	17.79	19.00
15	64QAM	1	37	17.81	17.89	17.83	19.00
15	64QAM	1	74	17.78	17.89	17.70	19.00



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15	64QAM	36	0	17.68	17.92	17.77	19.00
15	64QAM	36	20	17.79	17.82	17.80	19.00
15	64QAM	36	39	17.86	17.92	17.86	19.00
15	64QAM	75	0	17.87	17.97	17.89	19.00
15	256QAM	1	0	17.95	18.11	17.93	19.00
15	256QAM	1	37	17.97	18.02	18.06	19.00
15	256QAM	1	74	18.01	18.11	17.95	19.00
15	256QAM	36	0	18.02	17.99	17.99	19.00
15	256QAM	36	20	17.99	18.12	18.17	19.00
15	256QAM	36	39	17.95	18.04	17.88	19.00
15	256QAM	75	0	18.02	18.04	18.07	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	18.26	18.23	18.29	19.00
10	QPSK	1	25	17.78	17.85	17.73	19.00
10	QPSK	1	49	17.77	17.96	17.79	19.00
10	QPSK	25	0	18.13	18.21	18.13	19.00
10	QPSK	25	12	17.73	18.00	17.86	19.00
10	QPSK	25	25	17.77	17.85	17.72	19.00
10	QPSK	50	0	18.19	18.16	18.09	19.00
10	16QAM	1	0	17.80	17.91	17.78	19.00
10	16QAM	1	25	17.84	17.97	17.80	19.00
10	16QAM	1	49	17.76	17.93	17.77	19.00
10	16QAM	25	0	17.99	17.93	17.88	19.00
10	16QAM	25	12	17.85	18.00	17.85	19.00
10	16QAM	25	25	17.89	17.89	17.79	19.00
10	16QAM	50	0	17.76	17.86	17.74	19.00
10	64QAM	1	0	17.85	18.03	17.92	19.00
10	64QAM	1	25	17.72	17.84	17.90	19.00
10	64QAM	1	49	17.83	17.86	17.68	19.00
10	64QAM	25	0	17.76	17.91	17.84	19.00
10	64QAM	25	12	17.80	17.82	17.76	19.00
10	64QAM	25	25	17.83	17.91	17.92	19.00
10	64QAM	50	0	17.88	17.92	17.79	19.00
10	256QAM	1	0	17.97	17.99	17.96	19.00
10	256QAM	1	25	17.90	18.08	18.01	19.00
10	256QAM	1	49	18.03	18.06	18.03	19.00
10	256QAM	25	0	17.99	18.12	17.99	19.00
10	256QAM	25	12	17.99	18.11	18.17	19.00
10	256QAM	25	25	18.02	18.05	17.94	19.00
10	256QAM	50	0	18.09	18.15	17.99	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	18.32	18.28	18.21	19.00
5	QPSK	1	12	17.74	17.86	17.75	19.00
5	QPSK	1	24	17.77	17.83	17.81	19.00
5	QPSK	12	0	18.17	18.27	18.10	19.00
5	QPSK	12	7	17.78	17.87	17.78	19.00
5	QPSK	12	13	17.88	17.87	17.68	19.00
5	QPSK	25	0	18.12	18.12	18.10	19.00
5	16QAM	1	0	17.83	17.99	17.86	19.00
5	16QAM	1	12	17.73	17.97	17.85	19.00
5	16QAM	1	24	17.89	17.92	17.86	19.00
5	16QAM	12	0	17.91	17.97	17.82	19.00
5	16QAM	12	7	17.84	18.00	17.86	19.00
5	16QAM	12	13	17.77	17.95	17.70	19.00
5	16QAM	25	0	17.77	17.86	17.77	19.00
5	64QAM	1	0	17.79	18.03	17.88	19.00
5	64QAM	1	12	17.79	17.94	17.85	19.00
5	64QAM	1	24	17.70	17.87	17.78	19.00
5	64QAM	12	0	17.63	17.84	17.72	19.00
5	64QAM	12	7	17.72	17.80	17.72	19.00
5	64QAM	12	13	17.75	17.89	17.95	19.00
5	64QAM	25	0	17.91	17.94	17.84	19.00
5	256QAM	1	0	17.94	18.01	17.96	19.00
5	256QAM	1	12	17.94	18.11	17.96	19.00
5	256QAM	1	24	17.93	18.02	18.03	19.00
5	256QAM	12	0	18.01	18.01	17.99	19.00
5	256QAM	12	7	17.98	18.10	18.14	19.00
5	256QAM	12	13	17.97	18.04	17.97	19.00
5	256QAM	25	0	18.06	18.09	17.97	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	18.20	18.29	18.24	19.00
3	QPSK	1	8	17.75	17.85	17.84	19.00
3	QPSK	1	14	17.70	17.89	17.78	19.00
3	QPSK	8	0	18.15	18.30	18.08	19.00
3	QPSK	8	4	17.76	17.91	17.87	19.00



3	QPSK	8	7	17.81	17.84	17.73	19.00
3	QPSK	15	0	18.18	18.15	18.19	19.00
3	16QAM	1	0	17.85	17.89	17.84	19.00
3	16QAM	1	8	17.74	17.87	17.80	19.00
3	16QAM	1	14	17.77	18.01	17.87	19.00
3	16QAM	8	0	17.87	17.95	17.85	19.00
3	16QAM	8	4	17.95	18.01	17.92	19.00
3	16QAM	8	7	17.80	17.86	17.80	19.00
3	16QAM	15	0	17.81	17.91	17.80	19.00
3	64QAM	1	0	17.81	18.00	17.90	19.00
3	64QAM	1	8	17.84	17.91	17.84	19.00
3	64QAM	1	14	17.81	17.89	17.74	19.00
3	64QAM	8	0	17.74	17.90	17.80	19.00
3	64QAM	8	4	17.72	17.89	17.72	19.00
3	64QAM	8	7	17.82	17.97	17.92	19.00
3	64QAM	15	0	17.83	17.94	17.79	19.00
3	256QAM	1	0	17.93	17.99	17.96	19.00
3	256QAM	1	8	17.91	18.05	17.96	19.00
3	256QAM	1	14	17.95	18.14	18.03	19.00
3	256QAM	8	0	18.02	18.02	18.00	19.00
3	256QAM	8	4	18.02	18.21	18.19	19.00
3	256QAM	8	7	17.98	18.10	17.90	19.00
3	256QAM	15	0	18.00	18.11	18.05	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.22	18.22	18.30	19.00
1.4	QPSK	1	3	17.75	17.91	17.75	19.00
1.4	QPSK	1	5	17.76	17.91	17.86	19.00
1.4	QPSK	3	0	18.15	18.28	18.21	19.00
1.4	QPSK	3	1	17.78	17.94	17.87	19.00
1.4	QPSK	3	3	17.83	17.85	17.72	19.00
1.4	QPSK	6	0	18.13	18.12	18.22	19.00
1.4	16QAM	1	0	17.79	17.94	17.85	19.00
1.4	16QAM	1	3	17.84	17.90	17.84	19.00
1.4	16QAM	1	5	17.89	17.93	17.87	19.00
1.4	16QAM	3	0	17.91	18.03	17.80	19.00
1.4	16QAM	3	1	17.89	17.95	17.93	19.00
1.4	16QAM	3	3	17.83	17.94	17.73	19.00
1.4	16QAM	6	0	17.80	17.89	17.73	19.00
1.4	64QAM	1	0	17.88	17.94	17.87	19.00
1.4	64QAM	1	3	17.82	17.91	17.82	19.00
1.4	64QAM	1	5	17.83	17.84	17.75	19.00
1.4	64QAM	3	0	17.75	17.88	17.82	19.00
1.4	64QAM	3	1	17.76	17.86	17.75	19.00
1.4	64QAM	3	3	17.84	17.94	17.97	19.00
1.4	64QAM	6	0	17.85	17.97	17.91	19.00
1.4	256QAM	1	0	17.94	18.03	17.86	19.00
1.4	256QAM	1	3	17.86	18.13	18.05	19.00
1.4	256QAM	1	5	18.01	18.12	17.96	19.00
1.4	256QAM	3	0	17.91	18.11	17.96	19.00
1.4	256QAM	3	1	18.02	18.14	18.17	19.00
1.4	256QAM	3	3	18.00	18.02	17.92	19.00
1.4	256QAM	6	0	18.04	18.10	17.98	19.00

【LTE Band 66_Ant 4_Sensor off】

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	23.68	23.74	23.70	24.50
20	QPSK	1	49	23.58	23.66	23.57	24.50
20	QPSK	1	99	23.57	23.65	23.60	24.50
20	QPSK	50	0	22.79	22.95	22.81	23.50
20	QPSK	50	24	22.75	22.84	22.71	23.50
20	QPSK	50	50	22.72	22.93	22.81	23.50
20	QPSK	100	0	22.71	22.85	22.70	23.50
20	16QAM	1	0	22.89	22.96	22.87	23.50
20	16QAM	1	49	22.82	22.96	22.84	23.50
20	16QAM	1	99	22.75	22.94	22.80	23.50
20	16QAM	50	0	21.72	21.87	21.69	22.50
20	16QAM	50	24	21.78	21.86	21.68	22.50
20	16QAM	50	50	21.82	21.90	21.77	22.50



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20	16QAM	100	0	21.73	21.89	21.80	22.50
20	64QAM	1	0	21.58	21.77	21.59	22.50
20	64QAM	1	49	21.80	21.90	21.84	22.50
20	64QAM	1	99	21.64	21.75	21.62	22.50
20	64QAM	50	0	20.76	20.83	20.70	21.50
20	64QAM	50	24	20.78	20.91	20.73	21.50
20	64QAM	50	50	20.73	20.89	20.84	21.50
20	64QAM	100	0	20.77	20.86	20.79	21.50
20	256QAM	1	0	18.81	18.94	18.87	19.50
20	256QAM	1	49	18.89	18.96	18.89	19.50
20	256QAM	1	99	18.89	19.02	18.90	19.50
20	256QAM	50	0	18.86	19.04	18.97	19.50
20	256QAM	50	24	18.79	18.88	18.75	19.50
20	256QAM	50	50	18.66	18.80	18.73	19.50
20	256QAM	100	0	18.75	18.89	18.76	19.50
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.55	23.64	23.61	24.50
15	QPSK	1	37	23.50	23.59	23.50	24.50
15	QPSK	1	74	23.53	23.52	23.59	24.50
15	QPSK	36	0	22.73	22.83	22.71	23.50
15	QPSK	36	20	22.73	22.75	22.66	23.50
15	QPSK	36	39	22.61	22.80	22.67	23.50
15	QPSK	75	0	22.58	22.70	22.57	23.50
15	16QAM	1	0	22.80	22.94	22.77	23.50
15	16QAM	1	37	22.75	22.92	22.74	23.50
15	16QAM	1	74	22.73	22.84	22.71	23.50
15	16QAM	36	0	21.58	21.76	21.56	22.50
15	16QAM	36	20	21.63	21.80	21.56	22.50
15	16QAM	36	39	21.78	21.81	21.71	22.50
15	16QAM	75	0	21.68	21.81	21.70	22.50
15	64QAM	1	0	21.44	21.69	21.50	22.50
15	64QAM	1	37	21.77	21.76	21.71	22.50
15	64QAM	1	74	21.62	21.61	21.58	22.50
15	64QAM	36	0	20.71	20.80	20.64	21.50
15	64QAM	36	20	20.67	20.79	20.71	21.50
15	64QAM	36	39	20.65	20.79	20.83	21.50
15	64QAM	75	0	20.67	20.73	20.76	21.50
15	256QAM	1	0	18.72	18.91	18.73	19.50
15	256QAM	1	37	18.79	18.95	18.88	19.50
15	256QAM	1	74	18.80	18.89	18.84	19.50
15	256QAM	36	0	18.83	19.00	18.85	19.50
15	256QAM	36	20	18.74	18.76	18.61	19.50
15	256QAM	36	39	18.60	18.74	18.59	19.50
15	256QAM	75	0	18.64	18.82	18.67	19.50
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.64	23.68	23.67	24.50
10	QPSK	1	25	23.44	23.56	23.52	24.50
10	QPSK	1	49	23.43	23.55	23.58	24.50
10	QPSK	25	0	22.70	22.91	22.77	23.50
10	QPSK	25	12	22.72	22.71	22.60	23.50
10	QPSK	25	25	22.61	22.81	22.77	23.50
10	QPSK	50	0	22.65	22.77	22.60	23.50
10	16QAM	1	0	22.83	22.87	22.76	23.50
10	16QAM	1	25	22.78	22.95	22.75	23.50
10	16QAM	1	49	22.71	22.81	22.69	23.50
10	16QAM	25	0	21.71	21.84	21.62	22.50
10	16QAM	25	12	21.68	21.72	21.60	22.50
10	16QAM	25	25	21.81	21.82	21.75	22.50
10	16QAM	50	0	21.67	21.87	21.78	22.50
10	64QAM	1	0	21.50	21.66	21.44	22.50
10	64QAM	1	25	21.74	21.84	21.78	22.50
10	64QAM	1	49	21.49	21.61	21.55	22.50
10	64QAM	25	0	20.74	20.77	20.60	21.50
10	64QAM	25	12	20.77	20.85	20.69	21.50
10	64QAM	25	25	20.68	20.76	20.72	21.50
10	64QAM	50	0	20.62	20.74	20.74	21.50
10	256QAM	1	0	18.70	18.85	18.78	19.50
10	256QAM	1	25	18.87	18.90	18.87	19.50
10	256QAM	1	49	18.76	18.92	18.80	19.50
10	256QAM	25	0	18.84	18.91	18.86	19.50
10	256QAM	25	12	18.75	18.85	18.62	19.50
10	256QAM	25	25	18.62	18.66	18.60	19.50
10	256QAM	50	0	18.63	18.84	18.63	19.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.66	23.59	23.65	24.50



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5	QPSK	1	12	23.51	23.58	23.53	24.50
5	QPSK	1	24	23.54	23.51	23.57	24.50
5	QPSK	12	0	22.73	22.90	22.72	23.50
5	QPSK	12	7	22.64	22.77	22.59	23.50
5	QPSK	12	13	22.61	22.85	22.77	23.50
5	QPSK	25	0	22.56	22.80	22.63	23.50
5	16QAM	1	0	22.85	22.89	22.75	23.50
5	16QAM	1	12	22.71	22.81	22.80	23.50
5	16QAM	1	24	22.73	22.86	22.71	23.50
5	16QAM	12	0	21.65	21.86	21.55	22.50
5	16QAM	12	7	21.68	21.74	21.61	22.50
5	16QAM	12	13	21.67	21.76	21.69	22.50
5	16QAM	25	0	21.69	21.77	21.67	22.50
5	64QAM	1	0	21.50	21.66	21.45	22.50
5	64QAM	1	12	21.74	21.85	21.74	22.50
5	64QAM	1	24	21.51	21.72	21.51	22.50
5	64QAM	12	0	20.70	20.82	20.56	21.50
5	64QAM	12	7	20.68	20.85	20.63	21.50
5	64QAM	12	13	20.66	20.88	20.80	21.50
5	64QAM	25	0	20.69	20.72	20.67	21.50
5	256QAM	1	0	18.72	18.90	18.78	19.50
5	256QAM	1	12	18.77	18.82	18.80	19.50
5	256QAM	1	24	18.87	18.88	18.82	19.50
5	256QAM	12	0	18.73	18.90	18.87	19.50
5	256QAM	12	7	18.64	18.85	18.71	19.50
5	256QAM	12	13	18.55	18.74	18.63	19.50
5	256QAM	25	0	18.70	18.85	18.67	19.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.60	23.69	23.59	24.50
3	QPSK	1	8	23.45	23.60	23.45	24.50
3	QPSK	1	14	23.44	23.57	23.45	24.50
3	QPSK	8	0	22.67	22.83	22.72	23.50
3	QPSK	8	4	22.61	22.74	22.62	23.50
3	QPSK	8	7	22.61	22.84	22.80	23.50
3	QPSK	15	0	22.66	22.83	22.68	23.50
3	16QAM	1	0	22.82	22.93	22.83	23.50
3	16QAM	1	8	22.76	22.88	22.79	23.50
3	16QAM	1	14	22.72	22.81	22.78	23.50
3	16QAM	8	0	21.66	21.74	21.59	22.50
3	16QAM	8	4	21.63	21.79	21.60	22.50
3	16QAM	8	7	21.69	21.88	21.64	22.50
3	16QAM	15	0	21.71	21.85	21.75	22.50
3	64QAM	1	0	21.52	21.72	21.46	22.50
3	64QAM	1	8	21.71	21.84	21.71	22.50
3	64QAM	1	14	21.51	21.63	21.47	22.50
3	64QAM	8	0	20.66	20.76	20.57	21.50
3	64QAM	8	4	20.66	20.77	20.67	21.50
3	64QAM	8	7	20.62	20.82	20.78	21.50
3	64QAM	15	0	20.72	20.72	20.67	21.50
3	256QAM	1	0	18.69	18.92	18.79	19.50
3	256QAM	1	8	18.86	18.82	18.82	19.50
3	256QAM	1	14	18.82	19.00	18.83	19.50
3	256QAM	8	0	18.72	18.89	18.94	19.50
3	256QAM	8	4	18.78	18.78	18.69	19.50
3	256QAM	8	7	18.51	18.74	18.72	19.50
3	256QAM	15	0	18.71	18.83	18.62	19.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.66	23.62	23.60	24.50
1.4	QPSK	1	3	23.50	23.53	23.55	24.50
1.4	QPSK	1	5	23.46	23.62	23.52	24.50
1.4	QPSK	3	0	23.67	23.74	23.69	24.50
1.4	QPSK	3	1	23.68	23.70	23.69	24.50
1.4	QPSK	3	3	23.60	23.73	23.70	24.50
1.4	QPSK	6	0	22.66	22.79	22.57	23.50
1.4	16QAM	1	0	22.79	22.94	22.74	23.50
1.4	16QAM	1	3	22.74	22.87	22.77	23.50
1.4	16QAM	1	5	22.72	22.85	22.74	23.50
1.4	16QAM	3	0	22.59	22.85	22.58	23.50
1.4	16QAM	3	1	22.67	22.73	22.64	23.50
1.4	16QAM	3	3	22.77	22.76	22.72	23.50
1.4	16QAM	6	0	21.71	21.79	21.78	22.50
1.4	64QAM	1	0	21.55	21.62	21.47	22.50
1.4	64QAM	1	3	21.69	21.83	21.73	22.50
1.4	64QAM	1	5	21.54	21.62	21.57	22.50
1.4	64QAM	3	0	21.67	21.68	21.62	22.50
1.4	64QAM	3	1	21.66	21.85	21.65	22.50



1.4	64QAM	3	3	21.70	21.78	21.75	22.50
1.4	64QAM	6	0	20.73	20.77	20.66	21.50
1.4	256QAM	1	0	18.72	18.92	18.73	19.50
1.4	256QAM	1	3	18.78	18.82	18.87	19.50
1.4	256QAM	1	5	18.85	18.88	18.79	19.50
1.4	256QAM	3	0	18.83	18.94	18.88	19.50
1.4	256QAM	3	1	18.74	18.83	18.65	19.50
1.4	256QAM	3	3	18.61	18.72	18.61	19.50
1.4	256QAM	6	0	18.71	18.83	18.70	19.50

【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	23.68	23.74	23.70	24.50
20	QPSK	1	49	23.58	23.66	23.57	24.50
20	QPSK	1	99	23.57	23.65	23.60	24.50
20	QPSK	50	0	22.79	22.95	22.81	23.50
20	QPSK	50	24	22.75	22.84	22.71	23.50
20	QPSK	50	50	22.72	22.93	22.81	23.50
20	QPSK	100	0	22.71	22.85	22.70	23.50
20	16QAM	1	0	22.89	22.96	22.87	23.50
20	16QAM	1	49	22.82	22.96	22.84	23.50
20	16QAM	1	99	22.75	22.94	22.80	23.50
20	16QAM	50	0	21.72	21.87	21.69	22.50
20	16QAM	50	24	21.78	21.86	21.68	22.50
20	16QAM	50	50	21.82	21.90	21.77	22.50
20	16QAM	100	0	21.73	21.89	21.80	22.50
20	64QAM	1	0	21.58	21.77	21.59	22.50
20	64QAM	1	49	21.80	21.90	21.84	22.50
20	64QAM	1	99	21.64	21.75	21.62	22.50
20	64QAM	50	0	20.76	20.83	20.70	21.50
20	64QAM	50	24	20.78	20.91	20.73	21.50
20	64QAM	50	50	20.73	20.89	20.84	21.50
20	64QAM	100	0	20.77	20.86	20.79	21.50
20	256QAM	1	0	18.81	18.94	18.87	19.50
20	256QAM	1	49	18.89	18.96	18.89	19.50
20	256QAM	1	99	18.89	19.02	18.90	19.50
20	256QAM	50	0	18.86	19.04	18.97	19.50
20	256QAM	50	24	18.79	18.88	18.75	19.50
20	256QAM	50	50	18.66	18.80	18.73	19.50
20	256QAM	100	0	18.75	18.89	18.76	19.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.55	23.64	23.61	24.50
15	QPSK	1	37	23.50	23.59	23.50	24.50
15	QPSK	1	74	23.53	23.52	23.59	24.50
15	QPSK	36	0	22.73	22.83	22.71	23.50
15	QPSK	36	20	22.73	22.75	22.66	23.50
15	QPSK	36	39	22.61	22.80	22.67	23.50
15	QPSK	75	0	22.58	22.70	22.57	23.50
15	16QAM	1	0	22.80	22.94	22.77	23.50
15	16QAM	1	37	22.75	22.92	22.74	23.50
15	16QAM	1	74	22.73	22.84	22.71	23.50
15	16QAM	36	0	21.58	21.76	21.56	22.50
15	16QAM	36	20	21.63	21.80	21.56	22.50
15	16QAM	36	39	21.78	21.81	21.71	22.50
15	16QAM	75	0	21.68	21.81	21.70	22.50
15	64QAM	1	0	21.44	21.69	21.50	22.50
15	64QAM	1	37	21.77	21.76	21.71	22.50
15	64QAM	1	74	21.62	21.61	21.58	22.50
15	64QAM	36	0	20.71	20.80	20.64	21.50
15	64QAM	36	20	20.67	20.79	20.71	21.50
15	64QAM	36	39	20.65	20.79	20.83	21.50
15	64QAM	75	0	20.67	20.73	20.76	21.50
15	256QAM	1	0	18.72	18.91	18.73	19.50
15	256QAM	1	37	18.79	18.95	18.88	19.50
15	256QAM	1	74	18.80	18.89	18.84	19.50
15	256QAM	36	0	18.83	19.00	18.85	19.50
15	256QAM	36	20	18.74	18.76	18.61	19.50
15	256QAM	36	39	18.60	18.74	18.59	19.50



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15	256QAM	75	0	18.64	18.82	18.67	19.50
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.64	23.68	23.67	24.50
10	QPSK	1	25	23.44	23.56	23.52	24.50
10	QPSK	1	49	23.43	23.55	23.58	24.50
10	QPSK	25	0	22.70	22.91	22.77	23.50
10	QPSK	25	12	22.72	22.71	22.60	23.50
10	QPSK	25	25	22.61	22.81	22.77	23.50
10	QPSK	50	0	22.65	22.77	22.60	23.50
10	16QAM	1	0	22.83	22.87	22.76	23.50
10	16QAM	1	25	22.78	22.95	22.75	23.50
10	16QAM	1	49	22.71	22.81	22.69	23.50
10	16QAM	25	0	21.71	21.84	21.62	22.50
10	16QAM	25	12	21.68	21.72	21.60	22.50
10	16QAM	25	25	21.81	21.82	21.75	22.50
10	16QAM	50	0	21.67	21.87	21.78	22.50
10	64QAM	1	0	21.50	21.66	21.44	22.50
10	64QAM	1	25	21.74	21.84	21.78	22.50
10	64QAM	1	49	21.49	21.61	21.55	22.50
10	64QAM	25	0	20.74	20.77	20.60	21.50
10	64QAM	25	12	20.77	20.85	20.69	21.50
10	64QAM	25	25	20.68	20.76	20.72	21.50
10	64QAM	50	0	20.62	20.74	20.74	21.50
10	256QAM	1	0	18.70	18.85	18.78	19.50
10	256QAM	1	25	18.87	18.90	18.87	19.50
10	256QAM	1	49	18.76	18.92	18.80	19.50
10	256QAM	25	0	18.84	18.91	18.86	19.50
10	256QAM	25	12	18.75	18.85	18.62	19.50
10	256QAM	25	25	18.62	18.66	18.60	19.50
10	256QAM	50	0	18.63	18.84	18.63	19.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.66	23.59	23.65	24.50
5	QPSK	1	12	23.51	23.58	23.53	24.50
5	QPSK	1	24	23.54	23.51	23.57	24.50
5	QPSK	12	0	22.73	22.90	22.72	23.50
5	QPSK	12	7	22.64	22.77	22.59	23.50
5	QPSK	12	13	22.61	22.85	22.77	23.50
5	QPSK	25	0	22.56	22.80	22.63	23.50
5	16QAM	1	0	22.85	22.89	22.75	23.50
5	16QAM	1	12	22.71	22.81	22.80	23.50
5	16QAM	1	24	22.73	22.86	22.71	23.50
5	16QAM	12	0	21.65	21.86	21.55	22.50
5	16QAM	12	7	21.68	21.74	21.61	22.50
5	16QAM	12	13	21.67	21.76	21.69	22.50
5	16QAM	25	0	21.69	21.77	21.67	22.50
5	64QAM	1	0	21.50	21.66	21.45	22.50
5	64QAM	1	12	21.74	21.85	21.74	22.50
5	64QAM	1	24	21.51	21.72	21.51	22.50
5	64QAM	12	0	20.70	20.82	20.56	21.50
5	64QAM	12	7	20.68	20.85	20.63	21.50
5	64QAM	12	13	20.66	20.88	20.80	21.50
5	64QAM	25	0	20.69	20.72	20.67	21.50
5	256QAM	1	0	18.72	18.90	18.78	19.50
5	256QAM	1	12	18.77	18.82	18.80	19.50
5	256QAM	1	24	18.87	18.88	18.82	19.50
5	256QAM	12	0	18.73	18.90	18.87	19.50
5	256QAM	12	7	18.64	18.85	18.71	19.50
5	256QAM	12	13	18.55	18.74	18.63	19.50
5	256QAM	25	0	18.70	18.85	18.67	19.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.60	23.69	23.59	24.50
3	QPSK	1	8	23.45	23.60	23.45	24.50
3	QPSK	1	14	23.44	23.57	23.45	24.50
3	QPSK	8	0	22.67	22.83	22.72	23.50
3	QPSK	8	4	22.61	22.74	22.62	23.50
3	QPSK	8	7	22.61	22.84	22.80	23.50
3	QPSK	15	0	22.66	22.83	22.68	23.50
3	16QAM	1	0	22.82	22.93	22.83	23.50
3	16QAM	1	8	22.76	22.88	22.79	23.50
3	16QAM	1	14	22.72	22.81	22.78	23.50
3	16QAM	8	0	21.66	21.74	21.59	22.50
3	16QAM	8	4	21.63	21.79	21.60	22.50
3	16QAM	8	7	21.69	21.88	21.64	22.50
3	16QAM	15	0	21.71	21.85	21.75	22.50
3	64QAM	1	0	21.52	21.72	21.46	22.50



3	64QAM	1	8	21.71	21.84	21.71	22.50
3	64QAM	1	14	21.51	21.63	21.47	22.50
3	64QAM	8	0	20.66	20.76	20.57	21.50
3	64QAM	8	4	20.66	20.77	20.67	21.50
3	64QAM	8	7	20.62	20.82	20.78	21.50
3	64QAM	15	0	20.72	20.72	20.67	21.50
3	256QAM	1	0	18.69	18.92	18.79	19.50
3	256QAM	1	8	18.86	18.82	18.82	19.50
3	256QAM	1	14	18.82	19.00	18.83	19.50
3	256QAM	8	0	18.72	18.89	18.94	19.50
3	256QAM	8	4	18.78	18.78	18.69	19.50
3	256QAM	8	7	18.51	18.74	18.72	19.50
3	256QAM	15	0	18.71	18.83	18.62	19.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.66	23.62	23.60	24.50
1.4	QPSK	1	3	23.50	23.53	23.55	24.50
1.4	QPSK	1	5	23.46	23.62	23.52	24.50
1.4	QPSK	3	0	23.67	23.74	23.69	24.50
1.4	QPSK	3	1	23.68	23.70	23.69	24.50
1.4	QPSK	3	3	23.60	23.73	23.70	24.50
1.4	QPSK	6	0	22.66	22.79	22.57	23.50
1.4	16QAM	1	0	22.79	22.94	22.74	23.50
1.4	16QAM	1	3	22.74	22.87	22.77	23.50
1.4	16QAM	1	5	22.72	22.85	22.74	23.50
1.4	16QAM	3	0	22.59	22.85	22.58	23.50
1.4	16QAM	3	1	22.67	22.73	22.64	23.50
1.4	16QAM	3	3	22.77	22.76	22.72	23.50
1.4	16QAM	6	0	21.71	21.79	21.78	22.50
1.4	64QAM	1	0	21.55	21.62	21.47	22.50
1.4	64QAM	1	3	21.69	21.83	21.73	22.50
1.4	64QAM	1	5	21.54	21.62	21.57	22.50
1.4	64QAM	3	0	21.67	21.68	21.62	22.50
1.4	64QAM	3	1	21.66	21.85	21.65	22.50
1.4	64QAM	3	3	21.70	21.78	21.75	22.50
1.4	64QAM	6	0	20.73	20.77	20.66	21.50
1.4	256QAM	1	0	18.72	18.92	18.73	19.50
1.4	256QAM	1	3	18.78	18.82	18.87	19.50
1.4	256QAM	1	5	18.85	18.88	18.79	19.50
1.4	256QAM	3	0	18.83	18.94	18.88	19.50
1.4	256QAM	3	1	18.74	18.83	18.65	19.50
1.4	256QAM	3	3	18.61	18.72	18.61	19.50
1.4	256QAM	6	0	18.71	18.83	18.70	19.50

【LTE Band 66_Ant 4_Sensor on】

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	23.68	23.74	23.70	24.50
20	QPSK	1	49	23.58	23.66	23.57	24.50
20	QPSK	1	99	23.57	23.65	23.60	24.50
20	QPSK	50	0	22.79	22.95	22.81	23.50
20	QPSK	50	24	22.75	22.84	22.71	23.50
20	QPSK	50	50	22.72	22.93	22.81	23.50
20	QPSK	100	0	22.71	22.85	22.70	23.50
20	16QAM	1	0	22.89	22.96	22.87	23.50
20	16QAM	1	49	22.82	22.96	22.84	23.50
20	16QAM	1	99	22.75	22.94	22.80	23.50
20	16QAM	50	0	21.72	21.87	21.69	22.50
20	16QAM	50	24	21.78	21.86	21.68	22.50
20	16QAM	50	50	21.82	21.90	21.77	22.50
20	16QAM	100	0	21.73	21.89	21.80	22.50
20	64QAM	1	0	21.58	21.77	21.59	22.50
20	64QAM	1	49	21.80	21.90	21.84	22.50
20	64QAM	1	99	21.64	21.75	21.62	22.50
20	64QAM	50	0	20.76	20.83	20.70	21.50
20	64QAM	50	24	20.78	20.91	20.73	21.50
20	64QAM	50	50	20.73	20.89	20.84	21.50
20	64QAM	100	0	20.77	20.86	20.79	21.50
20	256QAM	1	0	18.81	18.94	18.87	19.50
20	256QAM	1	49	18.89	18.96	18.89	19.50



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20	256QAM	1	99	18.89	19.02	18.90	19.50
20	256QAM	50	0	18.86	19.04	18.97	19.50
20	256QAM	50	24	18.79	18.88	18.75	19.50
20	256QAM	50	50	18.66	18.80	18.73	19.50
20	256QAM	100	0	18.75	18.89	18.76	19.50
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	23.55	23.64	23.61	24.50
15	QPSK	1	37	23.50	23.59	23.50	24.50
15	QPSK	1	74	23.53	23.52	23.59	24.50
15	QPSK	36	0	22.73	22.83	22.71	23.50
15	QPSK	36	20	22.73	22.75	22.66	23.50
15	QPSK	36	39	22.61	22.80	22.67	23.50
15	QPSK	75	0	22.58	22.70	22.57	23.50
15	16QAM	1	0	22.80	22.94	22.77	23.50
15	16QAM	1	37	22.75	22.92	22.74	23.50
15	16QAM	1	74	22.73	22.84	22.71	23.50
15	16QAM	36	0	21.58	21.76	21.56	22.50
15	16QAM	36	20	21.63	21.80	21.56	22.50
15	16QAM	36	39	21.78	21.81	21.71	22.50
15	16QAM	75	0	21.68	21.81	21.70	22.50
15	64QAM	1	0	21.44	21.69	21.50	22.50
15	64QAM	1	37	21.77	21.76	21.71	22.50
15	64QAM	1	74	21.62	21.61	21.58	22.50
15	64QAM	36	0	20.71	20.80	20.64	21.50
15	64QAM	36	20	20.67	20.79	20.71	21.50
15	64QAM	36	39	20.65	20.79	20.83	21.50
15	64QAM	75	0	20.67	20.73	20.76	21.50
15	256QAM	1	0	18.72	18.91	18.73	19.50
15	256QAM	1	37	18.79	18.95	18.88	19.50
15	256QAM	1	74	18.80	18.89	18.84	19.50
15	256QAM	36	0	18.83	19.00	18.85	19.50
15	256QAM	36	20	18.74	18.76	18.61	19.50
15	256QAM	36	39	18.60	18.74	18.59	19.50
15	256QAM	75	0	18.64	18.82	18.67	19.50
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.64	23.68	23.67	24.50
10	QPSK	1	25	23.44	23.56	23.52	24.50
10	QPSK	1	49	23.43	23.55	23.58	24.50
10	QPSK	25	0	22.70	22.91	22.77	23.50
10	QPSK	25	12	22.72	22.71	22.60	23.50
10	QPSK	25	25	22.61	22.81	22.77	23.50
10	QPSK	50	0	22.65	22.77	22.60	23.50
10	16QAM	1	0	22.83	22.87	22.76	23.50
10	16QAM	1	25	22.78	22.95	22.75	23.50
10	16QAM	1	49	22.71	22.81	22.69	23.50
10	16QAM	25	0	21.71	21.84	21.62	22.50
10	16QAM	25	12	21.68	21.72	21.60	22.50
10	16QAM	25	25	21.81	21.82	21.75	22.50
10	16QAM	50	0	21.67	21.87	21.78	22.50
10	64QAM	1	0	21.50	21.66	21.44	22.50
10	64QAM	1	25	21.74	21.84	21.78	22.50
10	64QAM	1	49	21.49	21.61	21.55	22.50
10	64QAM	25	0	20.74	20.77	20.60	21.50
10	64QAM	25	12	20.77	20.85	20.69	21.50
10	64QAM	25	25	20.68	20.76	20.72	21.50
10	64QAM	50	0	20.62	20.74	20.74	21.50
10	256QAM	1	0	18.70	18.85	18.78	19.50
10	256QAM	1	25	18.87	18.90	18.87	19.50
10	256QAM	1	49	18.76	18.92	18.80	19.50
10	256QAM	25	0	18.84	18.91	18.86	19.50
10	256QAM	25	12	18.75	18.85	18.62	19.50
10	256QAM	25	25	18.62	18.66	18.60	19.50
10	256QAM	50	0	18.63	18.84	18.63	19.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.66	23.59	23.65	24.50
5	QPSK	1	12	23.51	23.58	23.53	24.50
5	QPSK	1	24	23.54	23.51	23.57	24.50
5	QPSK	12	0	22.73	22.90	22.72	23.50
5	QPSK	12	7	22.64	22.77	22.59	23.50
5	QPSK	12	13	22.61	22.85	22.77	23.50
5	QPSK	25	0	22.56	22.80	22.63	23.50
5	16QAM	1	0	22.85	22.89	22.75	23.50
5	16QAM	1	12	22.71	22.81	22.80	23.50
5	16QAM	1	24	22.73	22.86	22.71	23.50
5	16QAM	12	0	21.65	21.86	21.55	22.50



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5	16QAM	12	7	21.68	21.74	21.61	22.50
5	16QAM	12	13	21.67	21.76	21.69	22.50
5	16QAM	25	0	21.69	21.77	21.67	22.50
5	64QAM	1	0	21.50	21.66	21.45	22.50
5	64QAM	1	12	21.74	21.85	21.74	22.50
5	64QAM	1	24	21.51	21.72	21.51	22.50
5	64QAM	12	0	20.70	20.82	20.56	21.50
5	64QAM	12	7	20.68	20.85	20.63	21.50
5	64QAM	12	13	20.66	20.88	20.80	21.50
5	64QAM	25	0	20.69	20.72	20.67	21.50
5	256QAM	1	0	18.72	18.90	18.78	19.50
5	256QAM	1	12	18.77	18.82	18.80	19.50
5	256QAM	1	24	18.87	18.88	18.82	19.50
5	256QAM	12	0	18.73	18.90	18.87	19.50
5	256QAM	12	7	18.64	18.85	18.71	19.50
5	256QAM	12	13	18.55	18.74	18.63	19.50
5	256QAM	25	0	18.70	18.85	18.67	19.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.60	23.69	23.59	24.50
3	QPSK	1	8	23.45	23.60	23.45	24.50
3	QPSK	1	14	23.44	23.57	23.45	24.50
3	QPSK	8	0	22.67	22.83	22.72	23.50
3	QPSK	8	4	22.61	22.74	22.62	23.50
3	QPSK	8	7	22.61	22.84	22.80	23.50
3	QPSK	15	0	22.66	22.83	22.68	23.50
3	16QAM	1	0	22.82	22.93	22.83	23.50
3	16QAM	1	8	22.76	22.88	22.79	23.50
3	16QAM	1	14	22.72	22.81	22.78	23.50
3	16QAM	8	0	21.66	21.74	21.59	22.50
3	16QAM	8	4	21.63	21.79	21.60	22.50
3	16QAM	8	7	21.69	21.88	21.64	22.50
3	16QAM	15	0	21.71	21.85	21.75	22.50
3	64QAM	1	0	21.52	21.72	21.46	22.50
3	64QAM	1	8	21.71	21.84	21.71	22.50
3	64QAM	1	14	21.51	21.63	21.47	22.50
3	64QAM	8	0	20.66	20.76	20.57	21.50
3	64QAM	8	4	20.66	20.77	20.67	21.50
3	64QAM	8	7	20.62	20.82	20.78	21.50
3	64QAM	15	0	20.72	20.72	20.67	21.50
3	256QAM	1	0	18.69	18.92	18.79	19.50
3	256QAM	1	8	18.86	18.82	18.82	19.50
3	256QAM	1	14	18.82	19.00	18.83	19.50
3	256QAM	8	0	18.72	18.89	18.94	19.50
3	256QAM	8	4	18.78	18.78	18.69	19.50
3	256QAM	8	7	18.51	18.74	18.72	19.50
3	256QAM	15	0	18.71	18.83	18.62	19.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.66	23.62	23.60	24.50
1.4	QPSK	1	3	23.50	23.53	23.55	24.50
1.4	QPSK	1	5	23.46	23.62	23.52	24.50
1.4	QPSK	3	0	23.67	23.74	23.69	24.50
1.4	QPSK	3	1	23.68	23.70	23.69	24.50
1.4	QPSK	3	3	23.60	23.73	23.70	24.50
1.4	QPSK	6	0	22.66	22.79	22.57	23.50
1.4	16QAM	1	0	22.79	22.94	22.74	23.50
1.4	16QAM	1	3	22.74	22.87	22.77	23.50
1.4	16QAM	1	5	22.72	22.85	22.74	23.50
1.4	16QAM	3	0	22.59	22.85	22.58	23.50
1.4	16QAM	3	1	22.67	22.73	22.64	23.50
1.4	16QAM	3	3	22.77	22.76	22.72	23.50
1.4	16QAM	6	0	21.71	21.79	21.78	22.50
1.4	64QAM	1	0	21.55	21.62	21.47	22.50
1.4	64QAM	1	3	21.69	21.83	21.73	22.50
1.4	64QAM	1	5	21.54	21.62	21.57	22.50
1.4	64QAM	3	0	21.67	21.68	21.62	22.50
1.4	64QAM	3	1	21.66	21.85	21.65	22.50
1.4	64QAM	3	3	21.70	21.78	21.75	22.50
1.4	64QAM	6	0	20.73	20.77	20.66	21.50
1.4	256QAM	1	0	18.72	18.92	18.73	19.50
1.4	256QAM	1	3	18.78	18.82	18.87	19.50
1.4	256QAM	1	5	18.85	18.88	18.79	19.50
1.4	256QAM	3	0	18.83	18.94	18.88	19.50
1.4	256QAM	3	1	18.74	18.83	18.65	19.50
1.4	256QAM	3	3	18.61	18.72	18.61	19.50
1.4	256QAM	6	0	18.71	18.83	18.70	19.50

**【LTE Band 66_Ant 4_Hotspot on】**

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	23.68	23.74	23.70	24.50
20	QPSK	1	49	23.58	23.66	23.57	24.50
20	QPSK	1	99	23.57	23.65	23.60	24.50
20	QPSK	50	0	22.79	22.95	22.81	23.50
20	QPSK	50	24	22.75	22.84	22.71	23.50
20	QPSK	50	50	22.72	22.93	22.81	23.50
20	QPSK	100	0	22.71	22.85	22.70	23.50
20	16QAM	1	0	22.89	22.96	22.87	23.50
20	16QAM	1	49	22.82	22.96	22.84	23.50
20	16QAM	1	99	22.75	22.94	22.80	23.50
20	16QAM	50	0	21.72	21.87	21.69	22.50
20	16QAM	50	24	21.78	21.86	21.68	22.50
20	16QAM	50	50	21.82	21.90	21.77	22.50
20	16QAM	100	0	21.73	21.89	21.80	22.50
20	64QAM	1	0	21.58	21.77	21.59	22.50
20	64QAM	1	49	21.80	21.90	21.84	22.50
20	64QAM	1	99	21.64	21.75	21.62	22.50
20	64QAM	50	0	20.76	20.83	20.70	21.50
20	64QAM	50	24	20.78	20.91	20.73	21.50
20	64QAM	50	50	20.73	20.89	20.84	21.50
20	64QAM	100	0	20.77	20.86	20.79	21.50
20	256QAM	1	0	18.81	18.94	18.87	19.50
20	256QAM	1	49	18.89	18.96	18.89	19.50
20	256QAM	1	99	18.89	19.02	18.90	19.50
20	256QAM	50	0	18.86	19.04	18.97	19.50
20	256QAM	50	24	18.79	18.88	18.75	19.50
20	256QAM	50	50	18.66	18.80	18.73	19.50
20	256QAM	100	0	18.75	18.89	18.76	19.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.55	23.64	23.61	24.50
15	QPSK	1	37	23.50	23.59	23.50	24.50
15	QPSK	1	74	23.53	23.52	23.59	24.50
15	QPSK	36	0	22.73	22.83	22.71	23.50
15	QPSK	36	20	22.73	22.75	22.66	23.50
15	QPSK	36	39	22.61	22.80	22.67	23.50
15	QPSK	75	0	22.58	22.70	22.57	23.50
15	16QAM	1	0	22.80	22.94	22.77	23.50
15	16QAM	1	37	22.75	22.92	22.74	23.50
15	16QAM	1	74	22.73	22.84	22.71	23.50
15	16QAM	36	0	21.58	21.76	21.56	22.50
15	16QAM	36	20	21.63	21.80	21.56	22.50
15	16QAM	36	39	21.78	21.81	21.71	22.50
15	16QAM	75	0	21.68	21.81	21.70	22.50
15	64QAM	1	0	21.44	21.69	21.50	22.50
15	64QAM	1	37	21.77	21.76	21.71	22.50
15	64QAM	1	74	21.62	21.61	21.58	22.50
15	64QAM	36	0	20.71	20.80	20.64	21.50
15	64QAM	36	20	20.67	20.79	20.71	21.50
15	64QAM	36	39	20.65	20.79	20.83	21.50
15	64QAM	75	0	20.67	20.73	20.76	21.50
15	256QAM	1	0	18.72	18.91	18.73	19.50
15	256QAM	1	37	18.79	18.95	18.88	19.50
15	256QAM	1	74	18.80	18.89	18.84	19.50
15	256QAM	36	0	18.83	19.00	18.85	19.50
15	256QAM	36	20	18.74	18.76	18.61	19.50
15	256QAM	36	39	18.60	18.74	18.59	19.50
15	256QAM	75	0	18.64	18.82	18.67	19.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.64	23.68	23.67	24.50
10	QPSK	1	25	23.44	23.56	23.52	24.50
10	QPSK	1	49	23.43	23.55	23.58	24.50
10	QPSK	25	0	22.70	22.91	22.77	23.50
10	QPSK	25	12	22.72	22.71	22.60	23.50
10	QPSK	25	25	22.61	22.81	22.77	23.50
10	QPSK	50	0	22.65	22.77	22.60	23.50



10	16QAM	1	0	22.83	22.87	22.76	23.50
10	16QAM	1	25	22.78	22.95	22.75	23.50
10	16QAM	1	49	22.71	22.81	22.69	23.50
10	16QAM	25	0	21.71	21.84	21.62	22.50
10	16QAM	25	12	21.68	21.72	21.60	22.50
10	16QAM	25	25	21.81	21.82	21.75	22.50
10	16QAM	50	0	21.67	21.87	21.78	22.50
10	64QAM	1	0	21.50	21.66	21.44	22.50
10	64QAM	1	25	21.74	21.84	21.78	22.50
10	64QAM	1	49	21.49	21.61	21.55	22.50
10	64QAM	25	0	20.74	20.77	20.60	21.50
10	64QAM	25	12	20.77	20.85	20.69	21.50
10	64QAM	25	25	20.68	20.76	20.72	21.50
10	64QAM	50	0	20.62	20.74	20.74	21.50
10	256QAM	1	0	18.70	18.85	18.78	19.50
10	256QAM	1	25	18.87	18.90	18.87	19.50
10	256QAM	1	49	18.76	18.92	18.80	19.50
10	256QAM	25	0	18.84	18.91	18.86	19.50
10	256QAM	25	12	18.75	18.85	18.62	19.50
10	256QAM	25	25	18.62	18.66	18.60	19.50
10	256QAM	50	0	18.63	18.84	18.63	19.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.66	23.59	23.65	24.50
5	QPSK	1	12	23.51	23.58	23.53	24.50
5	QPSK	1	24	23.54	23.51	23.57	24.50
5	QPSK	12	0	22.73	22.90	22.72	23.50
5	QPSK	12	7	22.64	22.77	22.59	23.50
5	QPSK	12	13	22.61	22.85	22.77	23.50
5	QPSK	25	0	22.56	22.80	22.63	23.50
5	16QAM	1	0	22.85	22.89	22.75	23.50
5	16QAM	1	12	22.71	22.81	22.80	23.50
5	16QAM	1	24	22.73	22.86	22.71	23.50
5	16QAM	12	0	21.65	21.86	21.55	22.50
5	16QAM	12	7	21.68	21.74	21.61	22.50
5	16QAM	12	13	21.67	21.76	21.69	22.50
5	16QAM	25	0	21.69	21.77	21.67	22.50
5	64QAM	1	0	21.50	21.66	21.45	22.50
5	64QAM	1	12	21.74	21.85	21.74	22.50
5	64QAM	1	24	21.51	21.72	21.51	22.50
5	64QAM	12	0	20.70	20.82	20.56	21.50
5	64QAM	12	7	20.68	20.85	20.63	21.50
5	64QAM	12	13	20.66	20.88	20.80	21.50
5	64QAM	25	0	20.69	20.72	20.67	21.50
5	256QAM	1	0	18.72	18.90	18.78	19.50
5	256QAM	1	12	18.77	18.82	18.80	19.50
5	256QAM	1	24	18.87	18.88	18.82	19.50
5	256QAM	12	0	18.73	18.90	18.87	19.50
5	256QAM	12	7	18.64	18.85	18.71	19.50
5	256QAM	12	13	18.55	18.74	18.63	19.50
5	256QAM	25	0	18.70	18.85	18.67	19.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.60	23.69	23.59	24.50
3	QPSK	1	8	23.45	23.60	23.45	24.50
3	QPSK	1	14	23.44	23.57	23.45	24.50
3	QPSK	8	0	22.67	22.83	22.72	23.50
3	QPSK	8	4	22.61	22.74	22.62	23.50
3	QPSK	8	7	22.61	22.84	22.80	23.50
3	QPSK	15	0	22.66	22.83	22.68	23.50
3	16QAM	1	0	22.82	22.93	22.83	23.50
3	16QAM	1	8	22.76	22.88	22.79	23.50
3	16QAM	1	14	22.72	22.81	22.78	23.50
3	16QAM	8	0	21.66	21.74	21.59	22.50
3	16QAM	8	4	21.63	21.79	21.60	22.50
3	16QAM	8	7	21.69	21.88	21.64	22.50
3	16QAM	15	0	21.71	21.85	21.75	22.50
3	64QAM	1	0	21.52	21.72	21.46	22.50
3	64QAM	1	8	21.71	21.84	21.71	22.50
3	64QAM	1	14	21.51	21.63	21.47	22.50
3	64QAM	8	0	20.66	20.76	20.57	21.50
3	64QAM	8	4	20.66	20.77	20.67	21.50
3	64QAM	8	7	20.62	20.82	20.78	21.50
3	64QAM	15	0	20.72	20.72	20.67	21.50
3	256QAM	1	0	18.69	18.92	18.79	19.50
3	256QAM	1	8	18.86	18.82	18.82	19.50
3	256QAM	1	14	18.82	19.00	18.83	19.50
3	256QAM	8	0	18.72	18.89	18.94	19.50



3	256QAM	8	4	18.78	18.78	18.69	19.50
3	256QAM	8	7	18.51	18.74	18.72	19.50
3	256QAM	15	0	18.71	18.83	18.62	19.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.66	23.62	23.60	24.50
1.4	QPSK	1	3	23.50	23.53	23.55	24.50
1.4	QPSK	1	5	23.46	23.62	23.52	24.50
1.4	QPSK	3	0	23.67	23.74	23.69	24.50
1.4	QPSK	3	1	23.68	23.70	23.69	24.50
1.4	QPSK	3	3	23.60	23.73	23.70	24.50
1.4	QPSK	6	0	22.66	22.79	22.57	23.50
1.4	16QAM	1	0	22.79	22.94	22.74	23.50
1.4	16QAM	1	3	22.74	22.87	22.77	23.50
1.4	16QAM	1	5	22.72	22.85	22.74	23.50
1.4	16QAM	3	0	22.59	22.85	22.58	23.50
1.4	16QAM	3	1	22.67	22.73	22.64	23.50
1.4	16QAM	3	3	22.77	22.76	22.72	23.50
1.4	16QAM	6	0	21.71	21.79	21.78	22.50
1.4	64QAM	1	0	21.55	21.62	21.47	22.50
1.4	64QAM	1	3	21.69	21.83	21.73	22.50
1.4	64QAM	1	5	21.54	21.62	21.57	22.50
1.4	64QAM	3	0	21.67	21.68	21.62	22.50
1.4	64QAM	3	1	21.66	21.85	21.65	22.50
1.4	64QAM	3	3	21.70	21.78	21.75	22.50
1.4	64QAM	6	0	20.73	20.77	20.66	21.50
1.4	256QAM	1	0	18.72	18.92	18.73	19.50
1.4	256QAM	1	3	18.78	18.82	18.87	19.50
1.4	256QAM	1	5	18.85	18.88	18.79	19.50
1.4	256QAM	3	0	18.83	18.94	18.88	19.50
1.4	256QAM	3	1	18.74	18.83	18.65	19.50
1.4	256QAM	3	3	18.61	18.72	18.61	19.50
1.4	256QAM	6	0	18.71	18.83	18.70	19.50

【LTE Band 71_Ant 0_Sensor off】

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	23.07	23.29	23.15	24.50
20	QPSK	1	49	22.88	23.20	22.98	24.50
20	QPSK	1	99	22.88	23.15	22.88	24.50
20	QPSK	50	0	22.00	22.27	22.00	23.50
20	QPSK	50	24	21.91	22.21	22.00	23.50
20	QPSK	50	50	22.01	22.26	22.11	23.50
20	QPSK	100	0	22.01	22.23	21.98	23.50
20	16QAM	1	0	21.98	22.34	22.12	23.50
20	16QAM	1	49	22.08	22.40	22.18	23.50
20	16QAM	1	99	22.01	22.36	22.08	23.50
20	16QAM	50	0	21.06	21.30	21.10	22.50
20	16QAM	50	24	20.98	21.31	21.05	22.50
20	16QAM	50	50	20.94	21.22	20.98	22.50
20	16QAM	100	0	20.95	21.20	21.04	22.50
20	64QAM	1	0	21.10	21.43	21.20	22.50
20	64QAM	1	49	21.04	21.32	21.08	22.50
20	64QAM	1	99	21.07	21.36	21.19	22.50
20	64QAM	50	0	20.06	20.27	20.10	21.50
20	64QAM	50	24	19.99	20.22	19.99	21.50
20	64QAM	50	50	19.89	20.23	20.00	21.50
20	64QAM	100	0	19.87	20.16	19.94	21.50
20	256QAM	1	0	18.04	18.28	18.13	19.50
20	256QAM	1	49	17.91	18.17	17.94	19.50
20	256QAM	1	99	18.13	18.40	18.20	19.50
20	256QAM	50	0	18.03	18.24	18.09	19.50
20	256QAM	50	24	17.96	18.23	18.05	19.50
20	256QAM	50	50	18.01	18.28	18.03	19.50
20	256QAM	100	0	18.08	18.27	18.15	19.50
Channel				133197	133297	133397	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	QPSK	1	0	23.03	23.16	23.07	24.50
15	QPSK	1	37	22.78	23.09	22.88	24.50
15	QPSK	1	74	22.82	23.03	22.79	24.50



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15	QPSK	36	0	21.93	22.18	21.90	23.50
15	QPSK	36	20	21.89	22.14	21.99	23.50
15	QPSK	36	39	21.92	22.20	22.01	23.50
15	QPSK	75	0	21.96	22.13	21.88	23.50
15	16QAM	1	0	21.96	22.20	22.00	23.50
15	16QAM	1	37	22.00	22.29	22.07	23.50
15	16QAM	1	74	21.99	22.22	22.07	23.50
15	16QAM	36	0	21.00	21.20	20.96	22.50
15	16QAM	36	20	20.86	21.22	20.91	22.50
15	16QAM	36	39	20.85	21.13	20.86	22.50
15	16QAM	75	0	20.84	21.18	20.96	22.50
15	64QAM	1	0	21.00	21.41	21.18	22.50
15	64QAM	1	37	20.96	21.30	20.96	22.50
15	64QAM	1	74	20.97	21.22	21.12	22.50
15	64QAM	36	0	20.04	20.23	20.03	21.50
15	64QAM	36	20	19.95	20.20	19.98	21.50
15	64QAM	36	39	19.87	20.10	19.87	21.50
15	64QAM	75	0	19.79	20.10	19.84	21.50
15	256QAM	1	0	17.94	18.18	18.10	19.50
15	256QAM	1	37	17.89	18.12	17.86	19.50
15	256QAM	1	74	17.98	18.37	18.09	19.50
15	256QAM	36	0	17.95	18.22	17.99	19.50
15	256QAM	36	20	17.82	18.11	17.90	19.50
15	256QAM	36	39	17.95	18.20	18.00	19.50
15	256QAM	75	0	18.01	18.22	18.02	19.50
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	22.97	23.18	23.09	24.50
10	QPSK	1	25	22.80	23.15	22.88	24.50
10	QPSK	1	49	22.79	23.08	22.77	24.50
10	QPSK	25	0	21.91	22.19	21.90	23.50
10	QPSK	25	12	21.84	22.17	21.95	23.50
10	QPSK	25	25	21.87	22.16	21.98	23.50
10	QPSK	50	0	21.99	22.21	21.84	23.50
10	16QAM	1	0	21.87	22.31	22.01	23.50
10	16QAM	1	25	22.07	22.31	22.06	23.50
10	16QAM	1	49	21.98	22.31	22.06	23.50
10	16QAM	25	0	20.94	21.20	20.97	22.50
10	16QAM	25	12	20.87	21.24	21.01	22.50
10	16QAM	25	25	20.81	21.19	20.93	22.50
10	16QAM	50	0	20.87	21.15	20.89	22.50
10	64QAM	1	0	21.03	21.41	21.06	22.50
10	64QAM	1	25	20.91	21.24	20.99	22.50
10	64QAM	1	49	20.99	21.33	21.10	22.50
10	64QAM	25	0	20.02	20.13	20.05	21.50
10	64QAM	25	12	19.95	20.20	19.87	21.50
10	64QAM	25	25	19.85	20.09	19.87	21.50
10	64QAM	50	0	19.75	20.03	19.88	21.50
10	256QAM	1	0	17.90	18.22	18.01	19.50
10	256QAM	1	25	17.86	18.09	17.87	19.50
10	256QAM	1	49	18.12	18.29	18.13	19.50
10	256QAM	25	0	17.89	18.10	17.95	19.50
10	256QAM	25	12	17.90	18.13	17.94	19.50
10	256QAM	25	25	17.88	18.21	17.99	19.50
10	256QAM	50	0	18.05	18.24	18.01	19.50
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.02	23.22	23.09	24.50
5	QPSK	1	12	22.83	23.13	22.92	24.50
5	QPSK	1	24	22.76	23.06	22.86	24.50
5	QPSK	12	0	21.88	22.22	21.91	23.50
5	QPSK	12	7	21.78	22.15	21.93	23.50
5	QPSK	12	13	21.91	22.16	22.02	23.50
5	QPSK	25	0	21.95	22.12	21.88	23.50
5	16QAM	1	0	21.92	22.23	22.08	23.50
5	16QAM	1	12	22.04	22.32	22.15	23.50
5	16QAM	1	24	21.94	22.25	21.94	23.50
5	16QAM	12	0	20.94	21.25	21.05	22.50
5	16QAM	12	7	20.88	21.27	21.04	22.50
5	16QAM	12	13	20.81	21.09	20.90	22.50
5	16QAM	25	0	20.84	21.11	20.89	22.50
5	64QAM	1	0	21.01	21.39	21.11	22.50
5	64QAM	1	12	20.97	21.18	20.98	22.50
5	64QAM	1	24	21.04	21.28	21.15	22.50
5	64QAM	12	0	20.01	20.19	19.96	21.50
5	64QAM	12	7	19.95	20.18	19.98	21.50
5	64QAM	12	13	19.84	20.18	19.89	21.50
5	64QAM	25	0	19.79	20.09	19.89	21.50



5	256QAM	1	0	18.02	18.16	18.07	19.50
5	256QAM	1	12	17.77	18.05	17.81	19.50
5	256QAM	1	24	18.11	18.34	18.07	19.50
5	256QAM	12	0	17.99	18.20	17.99	19.50
5	256QAM	12	7	17.93	18.11	17.99	19.50
5	256QAM	12	13	17.90	18.16	17.91	19.50
5	256QAM	25	0	17.99	18.26	18.08	19.50

【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	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.07	23.29	23.15	24.50
20	QPSK	1	49	22.88	23.20	22.98	24.50
20	QPSK	1	99	22.88	23.15	22.88	24.50
20	QPSK	50	0	22.00	22.27	22.00	23.50
20	QPSK	50	24	21.91	22.21	22.00	23.50
20	QPSK	50	50	22.01	22.26	22.11	23.50
20	QPSK	100	0	22.01	22.23	21.98	23.50
20	16QAM	1	0	21.98	22.34	22.12	23.50
20	16QAM	1	49	22.08	22.40	22.18	23.50
20	16QAM	1	99	22.01	22.36	22.08	23.50
20	16QAM	50	0	21.06	21.30	21.10	22.50
20	16QAM	50	24	20.98	21.31	21.05	22.50
20	16QAM	50	50	20.94	21.22	20.98	22.50
20	16QAM	100	0	20.95	21.20	21.04	22.50
20	64QAM	1	0	21.10	21.43	21.20	22.50
20	64QAM	1	49	21.04	21.32	21.08	22.50
20	64QAM	1	99	21.07	21.36	21.19	22.50
20	64QAM	50	0	20.06	20.27	20.10	21.50
20	64QAM	50	24	19.99	20.22	19.99	21.50
20	64QAM	50	50	19.89	20.23	20.00	21.50
20	64QAM	100	0	19.87	20.16	19.94	21.50
20	256QAM	1	0	18.04	18.28	18.13	19.50
20	256QAM	1	49	17.91	18.17	17.94	19.50
20	256QAM	1	99	18.13	18.40	18.20	19.50
20	256QAM	50	0	18.03	18.24	18.09	19.50
20	256QAM	50	24	17.96	18.23	18.05	19.50
20	256QAM	50	50	18.01	18.28	18.03	19.50
20	256QAM	100	0	18.08	18.27	18.15	19.50
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.03	23.16	23.07	24.50
15	QPSK	1	37	22.78	23.09	22.88	24.50
15	QPSK	1	74	22.82	23.03	22.79	24.50
15	QPSK	36	0	21.93	22.18	21.90	23.50
15	QPSK	36	20	21.89	22.14	21.99	23.50
15	QPSK	36	39	21.92	22.20	22.01	23.50
15	QPSK	75	0	21.96	22.13	21.88	23.50
15	16QAM	1	0	21.96	22.20	22.00	23.50
15	16QAM	1	37	22.00	22.29	22.07	23.50
15	16QAM	1	74	21.99	22.22	22.07	23.50
15	16QAM	36	0	21.00	21.20	20.96	22.50
15	16QAM	36	20	20.86	21.22	20.91	22.50
15	16QAM	36	39	20.85	21.13	20.86	22.50
15	16QAM	75	0	20.84	21.18	20.96	22.50
15	64QAM	1	0	21.00	21.41	21.18	22.50
15	64QAM	1	37	20.96	21.30	20.96	22.50
15	64QAM	1	74	20.97	21.22	21.12	22.50
15	64QAM	36	0	20.04	20.23	20.03	21.50
15	64QAM	36	20	19.95	20.20	19.98	21.50
15	64QAM	36	39	19.87	20.10	19.87	21.50
15	64QAM	75	0	19.79	20.10	19.84	21.50
15	256QAM	1	0	17.94	18.18	18.10	19.50
15	256QAM	1	37	17.89	18.12	17.86	19.50
15	256QAM	1	74	17.98	18.37	18.09	19.50
15	256QAM	36	0	17.95	18.22	17.99	19.50
15	256QAM	36	20	17.82	18.11	17.90	19.50
15	256QAM	36	39	17.95	18.20	18.00	19.50
15	256QAM	75	0	18.01	18.22	18.02	19.50
Channel				133172	133297	133422	Tune-up limit



Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	22.97	23.18	23.09	24.50
10	QPSK	1	25	22.80	23.15	22.88	24.50
10	QPSK	1	49	22.79	23.08	22.77	24.50
10	QPSK	25	0	21.91	22.19	21.90	23.50
10	QPSK	25	12	21.84	22.17	21.95	23.50
10	QPSK	25	25	21.87	22.16	21.98	23.50
10	QPSK	50	0	21.99	22.21	21.84	23.50
10	16QAM	1	0	21.87	22.31	22.01	23.50
10	16QAM	1	25	22.07	22.31	22.06	23.50
10	16QAM	1	49	21.98	22.31	22.06	23.50
10	16QAM	25	0	20.94	21.20	20.97	22.50
10	16QAM	25	12	20.87	21.24	21.01	22.50
10	16QAM	25	25	20.81	21.19	20.93	22.50
10	16QAM	50	0	20.87	21.15	20.89	22.50
10	64QAM	1	0	21.03	21.41	21.06	22.50
10	64QAM	1	25	20.91	21.24	20.99	22.50
10	64QAM	1	49	20.99	21.33	21.10	22.50
10	64QAM	25	0	20.02	20.13	20.05	21.50
10	64QAM	25	12	19.95	20.20	19.87	21.50
10	64QAM	25	25	19.85	20.09	19.87	21.50
10	64QAM	50	0	19.75	20.03	19.88	21.50
10	256QAM	1	0	17.90	18.22	18.01	19.50
10	256QAM	1	25	17.86	18.09	17.87	19.50
10	256QAM	1	49	18.12	18.29	18.13	19.50
10	256QAM	25	0	17.89	18.10	17.95	19.50
10	256QAM	25	12	17.90	18.13	17.94	19.50
10	256QAM	25	25	17.88	18.21	17.99	19.50
10	256QAM	50	0	18.05	18.24	18.01	19.50
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.02	23.22	23.09	24.50
5	QPSK	1	12	22.83	23.13	22.92	24.50
5	QPSK	1	24	22.76	23.06	22.86	24.50
5	QPSK	12	0	21.88	22.22	21.91	23.50
5	QPSK	12	7	21.78	22.15	21.93	23.50
5	QPSK	12	13	21.91	22.16	22.02	23.50
5	QPSK	25	0	21.95	22.12	21.88	23.50
5	16QAM	1	0	21.92	22.23	22.08	23.50
5	16QAM	1	12	22.04	22.32	22.15	23.50
5	16QAM	1	24	21.94	22.25	21.94	23.50
5	16QAM	12	0	20.94	21.25	21.05	22.50
5	16QAM	12	7	20.88	21.27	21.04	22.50
5	16QAM	12	13	20.81	21.09	20.90	22.50
5	16QAM	25	0	20.84	21.11	20.89	22.50
5	64QAM	1	0	21.01	21.39	21.11	22.50
5	64QAM	1	12	20.97	21.18	20.98	22.50
5	64QAM	1	24	21.04	21.28	21.15	22.50
5	64QAM	12	0	20.01	20.19	19.96	21.50
5	64QAM	12	7	19.95	20.18	19.98	21.50
5	64QAM	12	13	19.84	20.18	19.89	21.50
5	64QAM	25	0	19.79	20.09	19.89	21.50
5	256QAM	1	0	18.02	18.16	18.07	19.50
5	256QAM	1	12	17.77	18.05	17.81	19.50
5	256QAM	1	24	18.11	18.34	18.07	19.50
5	256QAM	12	0	17.99	18.20	17.99	19.50
5	256QAM	12	7	17.93	18.11	17.99	19.50
5	256QAM	12	13	17.90	18.16	17.91	19.50
5	256QAM	25	0	17.99	18.26	18.08	19.50

【LTE Band 71_Ant 0_Sensor on】

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	23.07	23.29	23.15	24.50
20	QPSK	1	49	22.88	23.20	22.98	24.50
20	QPSK	1	99	22.88	23.15	22.88	24.50
20	QPSK	50	0	22.00	22.27	22.00	23.50
20	QPSK	50	24	21.91	22.21	22.00	23.50
20	QPSK	50	50	22.01	22.26	22.11	23.50
20	QPSK	100	0	22.01	22.23	21.98	23.50



20	16QAM	1	0	21.98	22.34	22.12	23.50
20	16QAM	1	49	22.08	22.40	22.18	23.50
20	16QAM	1	99	22.01	22.36	22.08	23.50
20	16QAM	50	0	21.06	21.30	21.10	22.50
20	16QAM	50	24	20.98	21.31	21.05	22.50
20	16QAM	50	50	20.94	21.22	20.98	22.50
20	16QAM	100	0	20.95	21.20	21.04	22.50
20	64QAM	1	0	21.10	21.43	21.20	22.50
20	64QAM	1	49	21.04	21.32	21.08	22.50
20	64QAM	1	99	21.07	21.36	21.19	22.50
20	64QAM	50	0	20.06	20.27	20.10	21.50
20	64QAM	50	24	19.99	20.22	19.99	21.50
20	64QAM	50	50	19.89	20.23	20.00	21.50
20	64QAM	100	0	19.87	20.16	19.94	21.50
20	256QAM	1	0	18.04	18.28	18.13	19.50
20	256QAM	1	49	17.91	18.17	17.94	19.50
20	256QAM	1	99	18.13	18.40	18.20	19.50
20	256QAM	50	0	18.03	18.24	18.09	19.50
20	256QAM	50	24	17.96	18.23	18.05	19.50
20	256QAM	50	50	18.01	18.28	18.03	19.50
20	256QAM	100	0	18.08	18.27	18.15	19.50
Channel				133197	133297	133397	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	QPSK	1	0	23.03	23.16	23.07	24.50
15	QPSK	1	37	22.78	23.09	22.88	24.50
15	QPSK	1	74	22.82	23.03	22.79	24.50
15	QPSK	36	0	21.93	22.18	21.90	23.50
15	QPSK	36	20	21.89	22.14	21.99	23.50
15	QPSK	36	39	21.92	22.20	22.01	23.50
15	QPSK	75	0	21.96	22.13	21.88	23.50
15	16QAM	1	0	21.96	22.20	22.00	23.50
15	16QAM	1	37	22.00	22.29	22.07	23.50
15	16QAM	1	74	21.99	22.22	22.07	23.50
15	16QAM	36	0	21.00	21.20	20.96	22.50
15	16QAM	36	20	20.86	21.22	20.91	22.50
15	16QAM	36	39	20.85	21.13	20.86	22.50
15	16QAM	75	0	20.84	21.18	20.96	22.50
15	64QAM	1	0	21.00	21.41	21.18	22.50
15	64QAM	1	37	20.96	21.30	20.96	22.50
15	64QAM	1	74	20.97	21.22	21.12	22.50
15	64QAM	36	0	20.04	20.23	20.03	21.50
15	64QAM	36	20	19.95	20.20	19.98	21.50
15	64QAM	36	39	19.87	20.10	19.87	21.50
15	64QAM	75	0	19.79	20.10	19.84	21.50
15	256QAM	1	0	17.94	18.18	18.10	19.50
15	256QAM	1	37	17.89	18.12	17.86	19.50
15	256QAM	1	74	17.98	18.37	18.09	19.50
15	256QAM	36	0	17.95	18.22	17.99	19.50
15	256QAM	36	20	17.82	18.11	17.90	19.50
15	256QAM	36	39	17.95	18.20	18.00	19.50
15	256QAM	75	0	18.01	18.22	18.02	19.50
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	22.97	23.18	23.09	24.50
10	QPSK	1	25	22.80	23.15	22.88	24.50
10	QPSK	1	49	22.79	23.08	22.77	24.50
10	QPSK	25	0	21.91	22.19	21.90	23.50
10	QPSK	25	12	21.84	22.17	21.95	23.50
10	QPSK	25	25	21.87	22.16	21.98	23.50
10	QPSK	50	0	21.99	22.21	21.84	23.50
10	16QAM	1	0	21.87	22.31	22.01	23.50
10	16QAM	1	25	22.07	22.31	22.06	23.50
10	16QAM	1	49	21.98	22.31	22.06	23.50
10	16QAM	25	0	20.94	21.20	20.97	22.50
10	16QAM	25	12	20.87	21.24	21.01	22.50
10	16QAM	25	25	20.81	21.19	20.93	22.50
10	16QAM	50	0	20.87	21.15	20.89	22.50
10	64QAM	1	0	21.03	21.41	21.06	22.50
10	64QAM	1	25	20.91	21.24	20.99	22.50
10	64QAM	1	49	20.99	21.33	21.10	22.50
10	64QAM	25	0	20.02	20.13	20.05	21.50
10	64QAM	25	12	19.95	20.20	19.87	21.50
10	64QAM	25	25	19.85	20.09	19.87	21.50
10	64QAM	50	0	19.75	20.03	19.88	21.50
10	256QAM	1	0	17.90	18.22	18.01	19.50
10	256QAM	1	25	17.86	18.09	17.87	19.50
10	256QAM	1	49	18.12	18.29	18.13	19.50
10	256QAM	25	0	17.89	18.10	17.95	19.50



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10	256QAM	25	12	17.90	18.13	17.94	19.50
10	256QAM	25	25	17.88	18.21	17.99	19.50
10	256QAM	50	0	18.05	18.24	18.01	19.50
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.02	23.22	23.09	24.50
5	QPSK	1	12	22.83	23.13	22.92	24.50
5	QPSK	1	24	22.76	23.06	22.86	24.50
5	QPSK	12	0	21.88	22.22	21.91	23.50
5	QPSK	12	7	21.78	22.15	21.93	23.50
5	QPSK	12	13	21.91	22.16	22.02	23.50
5	QPSK	25	0	21.95	22.12	21.88	23.50
5	16QAM	1	0	21.92	22.23	22.08	23.50
5	16QAM	1	12	22.04	22.32	22.15	23.50
5	16QAM	1	24	21.94	22.25	21.94	23.50
5	16QAM	12	0	20.94	21.25	21.05	22.50
5	16QAM	12	7	20.88	21.27	21.04	22.50
5	16QAM	12	13	20.81	21.09	20.90	22.50
5	16QAM	25	0	20.84	21.11	20.89	22.50
5	64QAM	1	0	21.01	21.39	21.11	22.50
5	64QAM	1	12	20.97	21.18	20.98	22.50
5	64QAM	1	24	21.04	21.28	21.15	22.50
5	64QAM	12	0	20.01	20.19	19.96	21.50
5	64QAM	12	7	19.95	20.18	19.98	21.50
5	64QAM	12	13	19.84	20.18	19.89	21.50
5	64QAM	25	0	19.79	20.09	19.89	21.50
5	256QAM	1	0	18.02	18.16	18.07	19.50
5	256QAM	1	12	17.77	18.05	17.81	19.50
5	256QAM	1	24	18.11	18.34	18.07	19.50
5	256QAM	12	0	17.99	18.20	17.99	19.50
5	256QAM	12	7	17.93	18.11	17.99	19.50
5	256QAM	12	13	17.90	18.16	17.91	19.50
5	256QAM	25	0	17.99	18.26	18.08	19.50

【LTE Band 71_Ant 0_Hotspot on】

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	23.07	23.29	23.15	24.50
20	QPSK	1	49	22.88	23.20	22.98	24.50
20	QPSK	1	99	22.88	23.15	22.88	24.50
20	QPSK	50	0	22.00	22.27	22.00	23.50
20	QPSK	50	24	21.91	22.21	22.00	23.50
20	QPSK	50	50	22.01	22.26	22.11	23.50
20	QPSK	100	0	22.01	22.23	21.98	23.50
20	16QAM	1	0	21.98	22.34	22.12	23.50
20	16QAM	1	49	22.08	22.40	22.18	23.50
20	16QAM	1	99	22.01	22.36	22.08	23.50
20	16QAM	50	0	21.06	21.30	21.10	22.50
20	16QAM	50	24	20.98	21.31	21.05	22.50
20	16QAM	50	50	20.94	21.22	20.98	22.50
20	16QAM	100	0	20.95	21.20	21.04	22.50
20	64QAM	1	0	21.10	21.43	21.20	22.50
20	64QAM	1	49	21.04	21.32	21.08	22.50
20	64QAM	1	99	21.07	21.36	21.19	22.50
20	64QAM	50	0	20.06	20.27	20.10	21.50
20	64QAM	50	24	19.99	20.22	19.99	21.50
20	64QAM	50	50	19.89	20.23	20.00	21.50
20	64QAM	100	0	19.87	20.16	19.94	21.50
20	256QAM	1	0	18.04	18.28	18.13	19.50
20	256QAM	1	49	17.91	18.17	17.94	19.50
20	256QAM	1	99	18.13	18.40	18.20	19.50
20	256QAM	50	0	18.03	18.24	18.09	19.50
20	256QAM	50	24	17.96	18.23	18.05	19.50
20	256QAM	50	50	18.01	18.28	18.03	19.50
20	256QAM	100	0	18.08	18.27	18.15	19.50
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.03	23.16	23.07	24.50
15	QPSK	1	37	22.78	23.09	22.88	24.50
15	QPSK	1	74	22.82	23.03	22.79	24.50



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15	QPSK	36	0	21.93	22.18	21.90	23.50
15	QPSK	36	20	21.89	22.14	21.99	23.50
15	QPSK	36	39	21.92	22.20	22.01	23.50
15	QPSK	75	0	21.96	22.13	21.88	23.50
15	16QAM	1	0	21.96	22.20	22.00	23.50
15	16QAM	1	37	22.00	22.29	22.07	23.50
15	16QAM	1	74	21.99	22.22	22.07	23.50
15	16QAM	36	0	21.00	21.20	20.96	22.50
15	16QAM	36	20	20.86	21.22	20.91	22.50
15	16QAM	36	39	20.85	21.13	20.86	22.50
15	16QAM	75	0	20.84	21.18	20.96	22.50
15	64QAM	1	0	21.00	21.41	21.18	22.50
15	64QAM	1	37	20.96	21.30	20.96	22.50
15	64QAM	1	74	20.97	21.22	21.12	22.50
15	64QAM	36	0	20.04	20.23	20.03	21.50
15	64QAM	36	20	19.95	20.20	19.98	21.50
15	64QAM	36	39	19.87	20.10	19.87	21.50
15	64QAM	75	0	19.79	20.10	19.84	21.50
15	256QAM	1	0	17.94	18.18	18.10	19.50
15	256QAM	1	37	17.89	18.12	17.86	19.50
15	256QAM	1	74	17.98	18.37	18.09	19.50
15	256QAM	36	0	17.95	18.22	17.99	19.50
15	256QAM	36	20	17.82	18.11	17.90	19.50
15	256QAM	36	39	17.95	18.20	18.00	19.50
15	256QAM	75	0	18.01	18.22	18.02	19.50
Channel				133172	133297	133422	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	QPSK	1	0	22.97	23.18	23.09	24.50
10	QPSK	1	25	22.80	23.15	22.88	24.50
10	QPSK	1	49	22.79	23.08	22.77	24.50
10	QPSK	25	0	21.91	22.19	21.90	23.50
10	QPSK	25	12	21.84	22.17	21.95	23.50
10	QPSK	25	25	21.87	22.16	21.98	23.50
10	QPSK	50	0	21.99	22.21	21.84	23.50
10	16QAM	1	0	21.87	22.31	22.01	23.50
10	16QAM	1	25	22.07	22.31	22.06	23.50
10	16QAM	1	49	21.98	22.31	22.06	23.50
10	16QAM	25	0	20.94	21.20	20.97	22.50
10	16QAM	25	12	20.87	21.24	21.01	22.50
10	16QAM	25	25	20.81	21.19	20.93	22.50
10	16QAM	50	0	20.87	21.15	20.89	22.50
10	64QAM	1	0	21.03	21.41	21.06	22.50
10	64QAM	1	25	20.91	21.24	20.99	22.50
10	64QAM	1	49	20.99	21.33	21.10	22.50
10	64QAM	25	0	20.02	20.13	20.05	21.50
10	64QAM	25	12	19.95	20.20	19.87	21.50
10	64QAM	25	25	19.85	20.09	19.87	21.50
10	64QAM	50	0	19.75	20.03	19.88	21.50
10	256QAM	1	0	17.90	18.22	18.01	19.50
10	256QAM	1	25	17.86	18.09	17.87	19.50
10	256QAM	1	49	18.12	18.29	18.13	19.50
10	256QAM	25	0	17.89	18.10	17.95	19.50
10	256QAM	25	12	17.90	18.13	17.94	19.50
10	256QAM	25	25	17.88	18.21	17.99	19.50
10	256QAM	50	0	18.05	18.24	18.01	19.50
Channel				133147	133297	133447	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	QPSK	1	0	23.02	23.22	23.09	24.50
5	QPSK	1	12	22.83	23.13	22.92	24.50
5	QPSK	1	24	22.76	23.06	22.86	24.50
5	QPSK	12	0	21.88	22.22	21.91	23.50
5	QPSK	12	7	21.78	22.15	21.93	23.50
5	QPSK	12	13	21.91	22.16	22.02	23.50
5	QPSK	25	0	21.95	22.12	21.88	23.50
5	16QAM	1	0	21.92	22.23	22.08	23.50
5	16QAM	1	12	22.04	22.32	22.15	23.50
5	16QAM	1	24	21.94	22.25	21.94	23.50
5	16QAM	12	0	20.94	21.25	21.05	22.50
5	16QAM	12	7	20.88	21.27	21.04	22.50
5	16QAM	12	13	20.81	21.09	20.90	22.50
5	16QAM	25	0	20.84	21.11	20.89	22.50
5	64QAM	1	0	21.01	21.39	21.11	22.50
5	64QAM	1	12	20.97	21.18	20.98	22.50
5	64QAM	1	24	21.04	21.28	21.15	22.50
5	64QAM	12	0	20.01	20.19	19.96	21.50
5	64QAM	12	7	19.95	20.18	19.98	21.50
5	64QAM	12	13	19.84	20.18	19.89	21.50
5	64QAM	25	0	19.79	20.09	19.89	21.50



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5	256QAM	1	0	18.02	18.16	18.07	19.50
5	256QAM	1	12	17.77	18.05	17.81	19.50
5	256QAM	1	24	18.11	18.34	18.07	19.50
5	256QAM	12	0	17.99	18.20	17.99	19.50
5	256QAM	12	7	17.93	18.11	17.99	19.50
5	256QAM	12	13	17.90	18.16	17.91	19.50
5	256QAM	25	0	17.99	18.26	18.08	19.50

**5G NR Conducted Power**

【FR1 n2_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	1900
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.62	22.81	22.78	24.00
20	PI/2 BPSK	1	53	22.53	22.75	22.66	24.00
20	PI/2 BPSK	1	104	22.47	22.71	22.63	24.00
20	PI/2 BPSK	50	0	22.30	22.59	22.47	24.00
20	PI/2 BPSK	50	28	22.43	22.70	22.55	24.00
20	PI/2 BPSK	50	56	22.37	22.59	22.42	24.00
20	PI/2 BPSK	100	0	22.32	22.62	22.50	24.00
20	QPSK	1	1	22.44	22.67	22.53	24.00
20	QPSK	1	53	22.35	22.66	22.60	24.00
20	QPSK	1	104	22.43	22.73	22.60	24.00
20	QPSK	50	0	22.41	22.61	22.57	24.00
20	QPSK	50	28	22.37	22.69	22.61	24.00
20	QPSK	50	56	22.35	22.62	22.55	24.00
20	QPSK	100	0	22.47	22.68	22.56	24.00
20	16QAM	1	1	22.56	22.79	22.70	24.00
20	64QAM	1	1	21.31	21.55	21.39	23.00
20	256QAM	1	1	19.04	19.32	19.23	20.50
Channel				371500	376000	380500	1902.5
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.50	22.79	22.67	24.00
Channel				371000	376000	381000	1905
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.60	22.76	22.72	24.00
Channel				370500	376000	381500	1907.5
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.50	22.77	22.64	24.00

【FR1 n2_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				372000	376000	380000	1900
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.12	23.31	23.28	24.50
20	PI/2 BPSK	1	53	23.03	23.25	23.16	24.50
20	PI/2 BPSK	1	104	22.97	23.21	23.13	24.50
20	PI/2 BPSK	50	0	22.80	23.09	22.97	24.50
20	PI/2 BPSK	50	28	22.93	23.20	23.05	24.50
20	PI/2 BPSK	50	56	22.87	23.09	22.92	24.50
20	PI/2 BPSK	100	0	22.82	23.12	23.00	24.50
20	QPSK	1	1	22.94	23.17	23.03	24.50
20	QPSK	1	53	22.85	23.16	23.10	24.50
20	QPSK	1	104	22.93	23.23	23.10	24.50
20	QPSK	50	0	22.91	23.11	23.07	24.50
20	QPSK	50	28	22.87	23.19	23.11	24.50
20	QPSK	50	56	22.85	23.12	23.05	24.50
20	QPSK	100	0	22.97	23.18	23.06	24.50
20	16QAM	1	1	23.06	23.29	23.20	24.50
20	64QAM	1	1	21.81	22.05	21.89	23.50
20	256QAM	1	1	19.54	19.82	19.73	21.00
Channel				371500	376000	380500	1902.5
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.06	23.20	23.27	24.50
Channel				371000	376000	381000	1905
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.09	23.30	23.16	24.50
Channel				370500	376000	381500	1907.5
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.08	23.27	23.20	24.50



【FR1 n2_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.73	17.80	17.71	19.00
20	PI/2 BPSK	1	53	17.41	17.55	17.43	19.00
20	PI/2 BPSK	1	104	17.38	17.50	17.28	19.00
20	PI/2 BPSK	50	0	17.30	17.41	17.21	19.00
20	PI/2 BPSK	50	28	17.69	17.74	17.66	19.00
20	PI/2 BPSK	50	56	17.31	17.48	17.30	19.00
20	PI/2 BPSK	100	0	17.59	17.68	17.63	19.00
20	QPSK	1	1	17.32	17.50	17.39	19.00
20	QPSK	1	53	17.30	17.45	17.27	19.00
20	QPSK	1	104	17.40	17.53	17.43	19.00
20	QPSK	50	0	17.30	17.49	17.31	19.00
20	QPSK	50	28	17.33	17.48	17.25	19.00
20	QPSK	50	56	17.40	17.50	17.29	19.00
20	QPSK	100	0	17.45	17.61	17.42	19.00
20	16QAM	1	1	17.43	17.56	17.32	19.00
20	64QAM	1	1	17.39	17.50	17.28	19.00
20	256QAM	1	1	17.43	17.55	17.35	19.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.63	17.68	17.59	19.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	17.71	17.77	17.56	19.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.68	17.75	17.60	19.00

【FR1 n2_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.73	17.80	17.71	19.00
20	PI/2 BPSK	1	53	17.41	17.55	17.43	19.00
20	PI/2 BPSK	1	104	17.38	17.50	17.28	19.00
20	PI/2 BPSK	50	0	17.30	17.41	17.21	19.00
20	PI/2 BPSK	50	28	17.69	17.74	17.66	19.00
20	PI/2 BPSK	50	56	17.31	17.48	17.30	19.00
20	PI/2 BPSK	100	0	17.59	17.68	17.63	19.00
20	QPSK	1	1	17.32	17.50	17.39	19.00
20	QPSK	1	53	17.30	17.45	17.27	19.00
20	QPSK	1	104	17.40	17.53	17.43	19.00
20	QPSK	50	0	17.30	17.49	17.31	19.00
20	QPSK	50	28	17.33	17.48	17.25	19.00
20	QPSK	50	56	17.40	17.50	17.29	19.00
20	QPSK	100	0	17.45	17.61	17.42	19.00
20	16QAM	1	1	17.43	17.56	17.32	19.00
20	64QAM	1	1	17.39	17.50	17.28	19.00
20	256QAM	1	1	17.43	17.55	17.35	19.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.63	17.68	17.59	19.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	17.71	17.77	17.56	19.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.68	17.75	17.60	19.00

【FR1 n2_Ant 1_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.33	23.38	23.31	24.00
20	PI/2 BPSK	1	53	23.18	23.35	23.25	24.00
20	PI/2 BPSK	1	104	23.20	23.31	23.12	24.00
20	PI/2 BPSK	50	0	23.29	23.36	23.18	24.00
20	PI/2 BPSK	50	28	23.25	23.40	23.18	24.00
20	PI/2 BPSK	50	56	23.11	23.26	23.04	24.00
20	PI/2 BPSK	100	0	23.21	23.31	23.17	24.00
20	QPSK	1	1	23.22	23.35	23.17	24.00
20	QPSK	1	53	23.17	23.34	23.23	24.00
20	QPSK	1	104	23.13	23.31	23.21	24.00
20	QPSK	50	0	23.26	23.40	23.22	24.00
20	QPSK	50	28	23.30	23.36	23.27	24.00
20	QPSK	50	56	23.25	23.32	23.12	24.00
20	QPSK	100	0	23.30	23.37	23.29	24.00
20	16QAM	1	1	23.31	23.51	23.31	24.00
20	64QAM	1	1	22.15	22.24	22.07	23.00
20	256QAM	1	1	19.56	19.75	19.62	20.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.30	23.26	23.22	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.28	23.35	23.17	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.21	23.26	23.21	24.00

【FR1 n2_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.33	23.38	23.31	24.00
20	PI/2 BPSK	1	53	23.18	23.35	23.25	24.00
20	PI/2 BPSK	1	104	23.20	23.31	23.12	24.00
20	PI/2 BPSK	50	0	23.29	23.36	23.18	24.00
20	PI/2 BPSK	50	28	23.25	23.40	23.18	24.00
20	PI/2 BPSK	50	56	23.11	23.26	23.04	24.00
20	PI/2 BPSK	100	0	23.21	23.31	23.17	24.00
20	QPSK	1	1	23.22	23.35	23.17	24.00
20	QPSK	1	53	23.17	23.34	23.23	24.00
20	QPSK	1	104	23.13	23.31	23.21	24.00
20	QPSK	50	0	23.26	23.40	23.22	24.00
20	QPSK	50	28	23.30	23.36	23.27	24.00
20	QPSK	50	56	23.25	23.32	23.12	24.00
20	QPSK	100	0	23.30	23.37	23.29	24.00
20	16QAM	1	1	23.31	23.51	23.31	24.00
20	64QAM	1	1	22.15	22.24	22.07	23.00
20	256QAM	1	1	19.56	19.75	19.62	20.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.30	23.26	23.22	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.28	23.35	23.17	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.21	23.26	23.21	24.00

【FR1 n2_Ant 1_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.33	19.40	19.38	20.00
20	PI/2 BPSK	1	53	19.18	19.36	19.24	20.00
20	PI/2 BPSK	1	104	19.19	19.33	19.17	20.00
20	PI/2 BPSK	50	0	19.22	19.35	19.29	20.00
20	PI/2 BPSK	50	28	19.22	19.36	19.21	20.00
20	PI/2 BPSK	50	56	19.24	19.32	19.21	20.00
20	PI/2 BPSK	100	0	19.17	19.30	19.19	20.00
20	QPSK	1	1	19.12	19.24	19.15	20.00
20	QPSK	1	53	19.09	19.28	19.18	20.00
20	QPSK	1	104	19.15	19.26	19.09	20.00
20	QPSK	50	0	19.06	19.27	19.13	20.00
20	QPSK	50	28	19.04	19.22	19.09	20.00
20	QPSK	50	56	19.14	19.25	19.17	20.00
20	QPSK	100	0	19.10	19.28	19.14	20.00
20	16QAM	1	1	19.10	19.26	19.17	20.00
20	64QAM	1	1	19.07	19.22	19.12	20.00
20	256QAM	1	1	19.08	19.21	19.12	20.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.21	19.29	19.29	20.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.19	19.32	19.26	20.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.19	19.39	19.31	20.00

【FR1 n2_Ant 1_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.33	19.40	19.38	20.00
20	PI/2 BPSK	1	53	19.18	19.36	19.24	20.00
20	PI/2 BPSK	1	104	19.19	19.33	19.17	20.00
20	PI/2 BPSK	50	0	19.22	19.35	19.29	20.00
20	PI/2 BPSK	50	28	19.22	19.36	19.21	20.00
20	PI/2 BPSK	50	56	19.24	19.32	19.21	20.00
20	PI/2 BPSK	100	0	19.17	19.30	19.19	20.00
20	QPSK	1	1	19.12	19.24	19.15	20.00
20	QPSK	1	53	19.09	19.28	19.18	20.00
20	QPSK	1	104	19.15	19.26	19.09	20.00
20	QPSK	50	0	19.06	19.27	19.13	20.00
20	QPSK	50	28	19.04	19.22	19.09	20.00
20	QPSK	50	56	19.14	19.25	19.17	20.00
20	QPSK	100	0	19.10	19.28	19.14	20.00
20	16QAM	1	1	19.10	19.26	19.17	20.00
20	64QAM	1	1	19.07	19.22	19.12	20.00
20	256QAM	1	1	19.08	19.21	19.12	20.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.21	19.29	19.29	20.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.19	19.32	19.26	20.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.19	19.39	19.31	20.00

【FR1 n2_Ant 4_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.56	22.78	22.73	24.00
20	PI/2 BPSK	1	53	22.45	22.70	22.60	24.00
20	PI/2 BPSK	1	104	22.47	22.73	22.55	24.00
20	PI/2 BPSK	50	0	22.34	22.67	22.55	24.00
20	PI/2 BPSK	50	28	22.33	22.69	22.58	24.00
20	PI/2 BPSK	50	56	22.45	22.68	22.60	24.00
20	PI/2 BPSK	100	0	22.39	22.67	22.58	24.00
20	QPSK	1	1	22.39	22.65	22.47	24.00
20	QPSK	1	53	22.33	22.68	22.55	24.00
20	QPSK	1	104	22.42	22.78	22.67	24.00
20	QPSK	50	0	22.43	22.72	22.59	24.00
20	QPSK	50	28	22.40	22.67	22.59	24.00
20	QPSK	50	56	22.30	22.67	22.57	24.00
20	QPSK	100	0	22.44	22.69	22.60	24.00
20	16QAM	1	1	22.52	22.78	22.70	24.00
20	64QAM	1	1	21.19	21.45	21.38	22.50
20	256QAM	1	1	18.82	19.04	18.89	20.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.52	22.75	22.69	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.48	22.64	22.62	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.46	22.67	22.71	24.00

【FR1 n2_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				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.56	23.78	23.73	24.50
20	PI/2 BPSK	1	53	23.45	23.70	23.60	24.50
20	PI/2 BPSK	1	104	23.47	23.73	23.55	24.50
20	PI/2 BPSK	50	0	23.34	23.67	23.55	24.50
20	PI/2 BPSK	50	28	23.33	23.69	23.58	24.50
20	PI/2 BPSK	50	56	23.45	23.68	23.60	24.50
20	PI/2 BPSK	100	0	23.39	23.67	23.58	24.50
20	QPSK	1	1	23.39	23.65	23.47	24.50
20	QPSK	1	53	23.33	23.68	23.55	24.50
20	QPSK	1	104	23.42	23.78	23.67	24.50
20	QPSK	50	0	23.43	23.72	23.59	24.50
20	QPSK	50	28	23.40	23.67	23.59	24.50
20	QPSK	50	56	23.30	23.67	23.57	24.50
20	QPSK	100	0	23.44	23.69	23.60	24.50
20	16QAM	1	1	23.52	23.78	23.70	24.50
20	64QAM	1	1	22.19	22.45	22.38	23.00
20	256QAM	1	1	19.82	20.04	19.89	21.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.44	23.74	23.65	24.50
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.53	23.76	23.68	24.50
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.49	23.64	23.65	24.50

【FR1 n2_Ant 4_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.56	22.78	22.73	24.00
20	PI/2 BPSK	1	53	22.45	22.70	22.60	24.00
20	PI/2 BPSK	1	104	22.47	22.73	22.55	24.00
20	PI/2 BPSK	50	0	22.34	22.67	22.55	24.00
20	PI/2 BPSK	50	28	22.33	22.69	22.58	24.00
20	PI/2 BPSK	50	56	22.45	22.68	22.60	24.00
20	PI/2 BPSK	100	0	22.39	22.67	22.58	24.00
20	QPSK	1	1	22.39	22.65	22.47	24.00
20	QPSK	1	53	22.33	22.68	22.55	24.00
20	QPSK	1	104	22.42	22.78	22.67	24.00
20	QPSK	50	0	22.43	22.72	22.59	24.00
20	QPSK	50	28	22.40	22.67	22.59	24.00
20	QPSK	50	56	22.30	22.67	22.57	24.00
20	QPSK	100	0	22.44	22.69	22.60	24.00
20	16QAM	1	1	22.52	22.78	22.70	24.00
20	64QAM	1	1	21.19	21.45	21.38	22.50
20	256QAM	1	1	18.82	19.04	18.89	20.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.52	22.75	22.69	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.48	22.64	22.62	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.46	22.67	22.71	24.00

【FR1 n2_Ant 4_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.56	22.78	22.73	24.00
20	PI/2 BPSK	1	53	22.45	22.70	22.60	24.00
20	PI/2 BPSK	1	104	22.47	22.73	22.55	24.00
20	PI/2 BPSK	50	0	22.34	22.67	22.55	24.00
20	PI/2 BPSK	50	28	22.33	22.69	22.58	24.00
20	PI/2 BPSK	50	56	22.45	22.68	22.60	24.00
20	PI/2 BPSK	100	0	22.39	22.67	22.58	24.00
20	QPSK	1	1	22.39	22.65	22.47	24.00
20	QPSK	1	53	22.33	22.68	22.55	24.00
20	QPSK	1	104	22.42	22.78	22.67	24.00
20	QPSK	50	0	22.43	22.72	22.59	24.00
20	QPSK	50	28	22.40	22.67	22.59	24.00
20	QPSK	50	56	22.30	22.67	22.57	24.00
20	QPSK	100	0	22.44	22.69	22.60	24.00
20	16QAM	1	1	22.52	22.78	22.70	24.00
20	64QAM	1	1	21.19	21.45	21.38	22.50
20	256QAM	1	1	18.82	19.04	18.89	20.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.52	22.75	22.69	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.48	22.64	22.62	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.46	22.67	22.71	24.00

【FR1 n5_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.13	23.06	23.05	24.00
20	PI/2 BPSK	1	53	22.83	22.90	22.81	24.00
20	PI/2 BPSK	1	104	22.72	22.76	22.61	24.00
20	PI/2 BPSK	50	0	23.00	23.05	22.96	24.00
20	PI/2 BPSK	50	28	22.97	22.96	22.81	24.00
20	PI/2 BPSK	50	56	22.94	22.89	22.86	24.00
20	PI/2 BPSK	100	0	22.99	22.98	22.83	24.00
20	QPSK	1	1	23.10	23.05	22.90	24.00
20	QPSK	1	53	23.00	22.96	22.90	24.00
20	QPSK	1	104	22.78	22.83	22.77	24.00
20	QPSK	50	0	23.06	23.02	22.94	24.00
20	QPSK	50	28	22.99	22.98	22.91	24.00
20	QPSK	50	56	22.96	22.92	22.84	24.00
20	QPSK	100	0	22.96	23.04	22.99	24.00
20	16QAM	1	1	23.02	23.06	22.91	24.00
20	64QAM	1	1	21.99	21.95	21.87	23.00
20	256QAM	1	1	19.67	19.75	19.73	20.50
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.09	22.91	22.92	24.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.05	23.00	22.93	24.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.07	23.02	22.97	24.00

【FR1 n5_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				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.13	23.06	23.05	24.00
20	PI/2 BPSK	1	53	22.83	22.90	22.81	24.00
20	PI/2 BPSK	1	104	22.72	22.76	22.61	24.00
20	PI/2 BPSK	50	0	23.00	23.05	22.96	24.00
20	PI/2 BPSK	50	28	22.97	22.96	22.81	24.00
20	PI/2 BPSK	50	56	22.94	22.89	22.86	24.00
20	PI/2 BPSK	100	0	22.99	22.98	22.83	24.00
20	QPSK	1	1	23.10	23.05	22.90	24.00
20	QPSK	1	53	23.00	22.96	22.90	24.00
20	QPSK	1	104	22.78	22.83	22.77	24.00
20	QPSK	50	0	23.06	23.02	22.94	24.00
20	QPSK	50	28	22.99	22.98	22.91	24.00
20	QPSK	50	56	22.96	22.92	22.84	24.00
20	QPSK	100	0	22.96	23.04	22.99	24.00
20	16QAM	1	1	23.02	23.06	22.91	24.00
20	64QAM	1	1	21.99	21.95	21.87	23.00
20	256QAM	1	1	19.67	19.75	19.73	20.50
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.09	22.91	22.92	24.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.05	23.00	22.93	24.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.07	23.02	22.97	24.00

【FR1 n5_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.05	20.08	20.03	21.00
20	PI/2 BPSK	1	53	19.96	20.03	19.90	21.00
20	PI/2 BPSK	1	104	19.92	20.01	19.95	21.00
20	PI/2 BPSK	50	0	19.89	20.04	19.87	21.00
20	PI/2 BPSK	50	28	19.96	20.05	19.99	21.00
20	PI/2 BPSK	50	56	19.84	20.00	19.93	21.00
20	PI/2 BPSK	100	0	19.81	19.98	19.81	21.00
20	QPSK	1	1	19.75	19.92	19.76	21.00
20	QPSK	1	53	19.79	19.95	19.86	21.00
20	QPSK	1	104	19.90	19.99	19.83	21.00
20	QPSK	50	0	19.86	19.97	19.90	21.00
20	QPSK	50	28	19.86	19.93	19.82	21.00
20	QPSK	50	56	19.95	20.01	19.93	21.00
20	QPSK	100	0	19.80	19.89	19.69	21.00
20	16QAM	1	1	19.69	19.85	19.75	21.00
20	64QAM	1	1	19.84	19.92	19.76	21.00
20	256QAM	1	1	19.42	19.58	19.47	20.50
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	19.93	20.06	19.94	21.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	19.91	20.05	19.97	21.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	19.97	19.96	19.98	21.00

【FR1 n5_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.05	20.08	20.03	21.00
20	PI/2 BPSK	1	53	19.96	20.03	19.90	21.00
20	PI/2 BPSK	1	104	19.92	20.01	19.95	21.00
20	PI/2 BPSK	50	0	19.89	20.04	19.87	21.00
20	PI/2 BPSK	50	28	19.96	20.05	19.99	21.00
20	PI/2 BPSK	50	56	19.84	20.00	19.93	21.00
20	PI/2 BPSK	100	0	19.81	19.98	19.81	21.00
20	QPSK	1	1	19.75	19.92	19.76	21.00
20	QPSK	1	53	19.79	19.95	19.86	21.00
20	QPSK	1	104	19.90	19.99	19.83	21.00
20	QPSK	50	0	19.86	19.97	19.90	21.00
20	QPSK	50	28	19.86	19.93	19.82	21.00
20	QPSK	50	56	19.95	20.01	19.93	21.00
20	QPSK	100	0	19.80	19.89	19.69	21.00
20	16QAM	1	1	19.69	19.85	19.75	21.00
20	64QAM	1	1	19.84	19.92	19.76	21.00
20	256QAM	1	1	19.42	19.58	19.47	20.50
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	19.93	20.06	19.94	21.00
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	19.91	20.05	19.97	21.00
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	19.97	19.96	19.98	21.00

【FR1 n7_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.01	23.04	22.85	24.00
20	PI/2 BPSK	1	53	22.78	22.91	22.62	24.00
20	PI/2 BPSK	1	104	22.73	22.83	22.57	24.00
20	PI/2 BPSK	50	0	22.75	22.81	22.57	24.00
20	PI/2 BPSK	50	28	22.69	22.83	22.58	24.00
20	PI/2 BPSK	50	56	22.66	22.82	22.58	24.00
20	PI/2 BPSK	100	0	22.64	22.81	22.54	24.00
20	QPSK	1	1	22.90	22.96	22.75	24.00
20	QPSK	1	53	22.82	22.99	22.70	24.00
20	QPSK	1	104	22.81	22.90	22.60	24.00
20	QPSK	50	0	22.72	22.89	22.57	24.00
20	QPSK	50	28	22.75	22.90	22.69	24.00
20	QPSK	50	56	22.75	22.83	22.52	24.00
20	QPSK	100	0	22.73	22.84	22.52	24.00
20	16QAM	1	1	22.87	23.01	22.71	24.00
20	64QAM	1	1	21.55	21.68	21.47	23.00
20	256QAM	1	1	19.24	19.34	19.05	20.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.97	22.91	22.79	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.93	23.00	22.81	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.89	22.96	22.72	24.00

【FR1 n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.51	23.54	23.35	24.50
20	PI/2 BPSK	1	53	23.28	23.41	23.12	24.50
20	PI/2 BPSK	1	104	23.23	23.33	23.07	24.50
20	PI/2 BPSK	50	0	23.25	23.31	23.07	24.50
20	PI/2 BPSK	50	28	23.19	23.33	23.08	24.50
20	PI/2 BPSK	50	56	23.16	23.32	23.08	24.50
20	PI/2 BPSK	100	0	23.14	23.31	23.04	24.50
20	QPSK	1	1	23.40	23.46	23.25	24.50
20	QPSK	1	53	23.32	23.49	23.20	24.50
20	QPSK	1	104	23.31	23.40	23.10	24.50
20	QPSK	50	0	23.22	23.39	23.07	24.50
20	QPSK	50	28	23.25	23.40	23.19	24.50
20	QPSK	50	56	23.25	23.33	23.02	24.50
20	QPSK	100	0	23.23	23.34	23.02	24.50
20	16QAM	1	1	23.37	23.51	23.21	24.50
20	64QAM	1	1	22.05	22.18	21.97	23.50
20	256QAM	1	1	19.74	19.84	19.55	21.00
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.42	23.40	23.31	24.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.44	23.49	23.24	24.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.37	23.48	23.21	24.50

【FR1 n7_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.08	20.12	20.06	21.00
20	PI/2 BPSK	1	53	19.99	20.06	19.91	21.00
20	PI/2 BPSK	1	104	19.82	20.01	19.84	21.00
20	PI/2 BPSK	50	0	19.99	20.08	19.97	21.00
20	PI/2 BPSK	50	28	20.04	20.10	19.99	21.00
20	PI/2 BPSK	50	56	19.88	20.03	19.86	21.00
20	PI/2 BPSK	100	0	19.85	19.99	19.83	21.00
20	QPSK	1	1	19.87	19.95	19.87	21.00
20	QPSK	1	53	19.81	19.98	19.78	21.00
20	QPSK	1	104	19.78	19.93	19.86	21.00
20	QPSK	50	0	19.86	20.01	19.87	21.00
20	QPSK	50	28	19.92	20.05	19.96	21.00
20	QPSK	50	56	19.89	20.03	19.83	21.00
20	QPSK	100	0	19.83	19.92	19.81	21.00
20	16QAM	1	1	19.79	19.95	19.84	21.00
20	64QAM	1	1	19.83	19.93	19.74	21.00
20	256QAM	1	1	19.36	19.55	19.41	20.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.01	20.04	20.02	21.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.04	20.01	20.01	21.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.94	20.07	19.97	21.00

【FR1 n7_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.08	20.12	20.06	21.00
20	PI/2 BPSK	1	53	19.99	20.06	19.91	21.00
20	PI/2 BPSK	1	104	19.82	20.01	19.84	21.00
20	PI/2 BPSK	50	0	19.99	20.08	19.97	21.00
20	PI/2 BPSK	50	28	20.04	20.10	19.99	21.00
20	PI/2 BPSK	50	56	19.88	20.03	19.86	21.00
20	PI/2 BPSK	100	0	19.85	19.99	19.83	21.00
20	QPSK	1	1	19.87	19.95	19.87	21.00
20	QPSK	1	53	19.81	19.98	19.78	21.00
20	QPSK	1	104	19.78	19.93	19.86	21.00
20	QPSK	50	0	19.86	20.01	19.87	21.00
20	QPSK	50	28	19.92	20.05	19.96	21.00
20	QPSK	50	56	19.89	20.03	19.83	21.00
20	QPSK	100	0	19.83	19.92	19.81	21.00
20	16QAM	1	1	19.79	19.95	19.84	21.00
20	64QAM	1	1	19.83	19.93	19.74	21.00
20	256QAM	1	1	19.36	19.55	19.41	20.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.01	20.04	20.02	21.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.04	20.01	20.01	21.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.94	20.07	19.97	21.00

【FR1 n7_Ant 1_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.05	23.06	23.04	24.00
20	PI/2 BPSK	1	53	22.90	22.99	22.84	24.00
20	PI/2 BPSK	1	104	22.79	22.94	22.84	24.00
20	PI/2 BPSK	50	0	22.89	22.94	22.91	23.50
20	PI/2 BPSK	50	28	22.84	22.91	22.76	24.00
20	PI/2 BPSK	50	56	22.84	22.89	22.77	23.50
20	PI/2 BPSK	100	0	22.81	22.92	22.86	23.50
20	QPSK	1	1	23.04	23.10	22.93	24.00
20	QPSK	1	53	22.98	23.05	23.01	24.00
20	QPSK	1	104	22.98	23.02	22.92	24.00
20	QPSK	50	0	22.92	22.94	22.77	23.00
20	QPSK	50	28	22.88	22.94	22.77	24.00
20	QPSK	50	56	22.82	22.94	22.83	23.00
20	QPSK	100	0	22.92	22.94	22.83	23.00
20	16QAM	1	1	22.14	22.18	22.04	23.00
20	64QAM	1	1	20.78	20.82	20.67	21.50
20	256QAM	1	1	18.39	18.41	18.35	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.96	22.99	22.98	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.04	23.02	22.95	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.00	22.98	22.97	24.00

【FR1 n7_Ant 1_Full power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.05	23.06	23.04	24.00
20	PI/2 BPSK	1	53	22.90	22.99	22.84	24.00
20	PI/2 BPSK	1	104	22.79	22.94	22.84	24.00
20	PI/2 BPSK	50	0	22.89	22.94	22.91	23.50
20	PI/2 BPSK	50	28	22.84	22.91	22.76	24.00
20	PI/2 BPSK	50	56	22.84	22.89	22.77	23.50
20	PI/2 BPSK	100	0	22.81	22.92	22.86	23.50
20	QPSK	1	1	23.04	23.10	22.93	24.00
20	QPSK	1	53	22.98	23.05	23.01	24.00
20	QPSK	1	104	22.98	23.02	22.92	24.00
20	QPSK	50	0	22.92	22.94	22.77	23.00
20	QPSK	50	28	22.88	22.94	22.77	24.00
20	QPSK	50	56	22.82	22.94	22.83	23.00
20	QPSK	100	0	22.92	22.94	22.83	23.00
20	16QAM	1	1	22.14	22.18	22.04	23.00
20	64QAM	1	1	20.78	20.82	20.67	21.50
20	256QAM	1	1	18.39	18.41	18.35	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.96	22.99	22.98	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.04	23.02	22.95	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.00	22.98	22.97	24.00

【FR1 n7_Ant 1_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.05	23.06	23.04	24.00
20	PI/2 BPSK	1	53	22.90	22.99	22.84	24.00
20	PI/2 BPSK	1	104	22.79	22.94	22.84	24.00
20	PI/2 BPSK	50	0	22.89	22.94	22.91	23.50
20	PI/2 BPSK	50	28	22.84	22.91	22.76	24.00
20	PI/2 BPSK	50	56	22.84	22.89	22.77	23.50
20	PI/2 BPSK	100	0	22.81	22.92	22.86	23.50
20	QPSK	1	1	23.04	23.10	22.93	24.00
20	QPSK	1	53	22.98	23.05	23.01	24.00
20	QPSK	1	104	22.98	23.02	22.92	24.00
20	QPSK	50	0	22.92	22.94	22.77	23.00
20	QPSK	50	28	22.88	22.94	22.77	24.00
20	QPSK	50	56	22.82	22.94	22.83	23.00
20	QPSK	100	0	22.92	22.94	22.83	23.00
20	16QAM	1	1	22.14	22.18	22.04	23.00
20	64QAM	1	1	20.78	20.82	20.67	21.50
20	256QAM	1	1	18.39	18.41	18.35	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.96	22.99	22.98	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.04	23.02	22.95	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.00	22.98	22.97	24.00

【FR1 n7_Ant 1_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.05	23.06	23.04	24.00
20	PI/2 BPSK	1	53	22.90	22.99	22.84	24.00
20	PI/2 BPSK	1	104	22.79	22.94	22.84	24.00
20	PI/2 BPSK	50	0	22.89	22.94	22.91	23.50
20	PI/2 BPSK	50	28	22.84	22.91	22.76	24.00
20	PI/2 BPSK	50	56	22.84	22.89	22.77	23.50
20	PI/2 BPSK	100	0	22.81	22.92	22.86	23.50
20	QPSK	1	1	23.04	23.10	22.93	24.00
20	QPSK	1	53	22.98	23.05	23.01	24.00
20	QPSK	1	104	22.98	23.02	22.92	24.00
20	QPSK	50	0	22.92	22.94	22.77	23.00
20	QPSK	50	28	22.88	22.94	22.77	24.00
20	QPSK	50	56	22.82	22.94	22.83	23.00
20	QPSK	100	0	22.92	22.94	22.83	23.00
20	16QAM	1	1	22.14	22.18	22.04	23.00
20	64QAM	1	1	20.78	20.82	20.67	21.50
20	256QAM	1	1	18.39	18.41	18.35	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.96	22.99	22.98	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.04	23.02	22.95	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.00	22.98	22.97	24.00

【FR1 n7_Ant 4_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.98	22.15	22.13	23.00
20	PI/2 BPSK	1	53	21.77	22.05	21.89	23.00
20	PI/2 BPSK	1	104	21.85	22.08	22.00	23.00
20	PI/2 BPSK	50	0	21.67	21.97	21.92	23.00
20	PI/2 BPSK	50	28	21.78	22.03	21.92	23.00
20	PI/2 BPSK	50	56	21.73	22.00	21.85	23.00
20	PI/2 BPSK	100	0	21.71	21.97	21.93	23.00
20	QPSK	1	1	21.91	22.13	22.02	23.00
20	QPSK	1	53	21.88	22.10	22.02	23.00
20	QPSK	1	104	21.87	22.09	22.01	23.00
20	QPSK	50	0	21.69	21.97	21.80	23.00
20	QPSK	50	28	21.70	21.98	21.83	23.00
20	QPSK	50	56	21.79	22.00	21.92	23.00
20	QPSK	100	0	21.70	22.01	21.96	23.00
20	16QAM	1	1	21.95	22.22	22.09	23.00
20	64QAM	1	1	20.66	20.85	20.73	21.50
20	256QAM	1	1	18.16	18.42	18.31	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.88	22.01	22.08	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.89	22.09	22.00	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.96	22.08	22.05	23.00

【FR1 n7_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				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.98	22.15	22.13	23.00
20	PI/2 BPSK	1	53	21.77	22.05	21.89	23.00
20	PI/2 BPSK	1	104	21.85	22.08	22.00	23.00
20	PI/2 BPSK	50	0	21.67	21.97	21.92	23.00
20	PI/2 BPSK	50	28	21.78	22.03	21.92	23.00
20	PI/2 BPSK	50	56	21.73	22.00	21.85	23.00
20	PI/2 BPSK	100	0	21.71	21.97	21.93	23.00
20	QPSK	1	1	21.91	22.13	22.02	23.00
20	QPSK	1	53	21.88	22.10	22.02	23.00
20	QPSK	1	104	21.87	22.09	22.01	23.00
20	QPSK	50	0	21.69	21.97	21.80	23.00
20	QPSK	50	28	21.70	21.98	21.83	23.00
20	QPSK	50	56	21.79	22.00	21.92	23.00
20	QPSK	100	0	21.70	22.01	21.96	23.00
20	16QAM	1	1	21.95	22.22	22.09	23.00
20	64QAM	1	1	20.66	20.85	20.73	21.50
20	256QAM	1	1	18.16	18.42	18.31	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.88	22.01	22.08	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.89	22.09	22.00	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.96	22.08	22.05	23.00

【FR1 n7_Ant 4_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.98	22.15	22.13	23.00
20	PI/2 BPSK	1	53	21.77	22.05	21.89	23.00
20	PI/2 BPSK	1	104	21.85	22.08	22.00	23.00
20	PI/2 BPSK	50	0	21.67	21.97	21.92	23.00
20	PI/2 BPSK	50	28	21.78	22.03	21.92	23.00
20	PI/2 BPSK	50	56	21.73	22.00	21.85	23.00
20	PI/2 BPSK	100	0	21.71	21.97	21.93	23.00
20	QPSK	1	1	21.91	22.13	22.02	23.00
20	QPSK	1	53	21.88	22.10	22.02	23.00
20	QPSK	1	104	21.87	22.09	22.01	23.00
20	QPSK	50	0	21.69	21.97	21.80	23.00
20	QPSK	50	28	21.70	21.98	21.83	23.00
20	QPSK	50	56	21.79	22.00	21.92	23.00
20	QPSK	100	0	21.70	22.01	21.96	23.00
20	16QAM	1	1	21.95	22.22	22.09	23.00
20	64QAM	1	1	20.66	20.85	20.73	21.50
20	256QAM	1	1	18.16	18.42	18.31	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.88	22.01	22.08	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.89	22.09	22.00	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.96	22.08	22.05	23.00

【FR1 n7_Ant 4_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.98	22.15	22.13	23.00
20	PI/2 BPSK	1	53	21.77	22.05	21.89	23.00
20	PI/2 BPSK	1	104	21.85	22.08	22.00	23.00
20	PI/2 BPSK	50	0	21.67	21.97	21.92	23.00
20	PI/2 BPSK	50	28	21.78	22.03	21.92	23.00
20	PI/2 BPSK	50	56	21.73	22.00	21.85	23.00
20	PI/2 BPSK	100	0	21.71	21.97	21.93	23.00
20	QPSK	1	1	21.91	22.13	22.02	23.00
20	QPSK	1	53	21.88	22.10	22.02	23.00
20	QPSK	1	104	21.87	22.09	22.01	23.00
20	QPSK	50	0	21.69	21.97	21.80	23.00
20	QPSK	50	28	21.70	21.98	21.83	23.00
20	QPSK	50	56	21.79	22.00	21.92	23.00
20	QPSK	100	0	21.70	22.01	21.96	23.00
20	16QAM	1	1	21.95	22.22	22.09	23.00
20	64QAM	1	1	20.66	20.85	20.73	21.50
20	256QAM	1	1	18.16	18.42	18.31	19.50
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.88	22.01	22.08	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.89	22.09	22.00	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.96	22.08	22.05	23.00

【FR1 n12_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.32	23.21	23.19	24.00
15	PI/2 BPSK	1	40	23.06	23.08	22.93	24.00
15	PI/2 BPSK	1	77	23.02	23.03	22.89	24.00
15	PI/2 BPSK	36	0	23.20	23.14	23.08	24.00
15	PI/2 BPSK	36	22	23.21	23.15	23.03	24.00
15	PI/2 BPSK	36	43	23.01	23.02	22.93	24.00
15	PI/2 BPSK	75	0	23.19	23.17	23.01	24.00
15	QPSK	1	1	23.32	23.24	23.16	24.00
15	QPSK	1	40	23.14	23.11	23.03	24.00
15	QPSK	1	77	23.13	23.06	23.00	24.00
15	QPSK	36	0	23.12	23.14	23.09	24.00
15	QPSK	36	22	23.20	23.13	22.99	24.00
15	QPSK	36	43	23.02	23.05	22.94	24.00
15	QPSK	75	0	23.21	23.13	23.04	24.00
15	16QAM	1	1	23.33	23.34	23.19	24.00
15	64QAM	1	1	21.99	21.98	21.91	23.00
15	256QAM	1	1	19.45	19.39	19.24	20.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.00	23.01	23.00	24.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.24	23.07	23.09	24.00

【FR1 n12_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				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.32	23.21	23.19	24.00
15	PI/2 BPSK	1	40	23.06	23.08	22.93	24.00
15	PI/2 BPSK	1	77	23.02	23.03	22.89	24.00
15	PI/2 BPSK	36	0	23.20	23.14	23.08	24.00
15	PI/2 BPSK	36	22	23.21	23.15	23.03	24.00
15	PI/2 BPSK	36	43	23.01	23.02	22.93	24.00
15	PI/2 BPSK	75	0	23.19	23.17	23.01	24.00
15	QPSK	1	1	23.32	23.24	23.16	24.00
15	QPSK	1	40	23.14	23.11	23.03	24.00
15	QPSK	1	77	23.13	23.06	23.00	24.00
15	QPSK	36	0	23.12	23.14	23.09	24.00
15	QPSK	36	22	23.20	23.13	22.99	24.00
15	QPSK	36	43	23.02	23.05	22.94	24.00
15	QPSK	75	0	23.21	23.13	23.04	24.00
15	16QAM	1	1	23.33	23.34	23.19	24.00
15	64QAM	1	1	21.99	21.98	21.91	23.00
15	256QAM	1	1	19.45	19.39	19.24	20.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.00	23.01	23.00	24.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.24	23.07	23.09	24.00

【FR1 n12_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.32	23.21	23.19	24.00
15	PI/2 BPSK	1	40	23.06	23.08	22.93	24.00
15	PI/2 BPSK	1	77	23.02	23.03	22.89	24.00
15	PI/2 BPSK	36	0	23.20	23.14	23.08	24.00
15	PI/2 BPSK	36	22	23.21	23.15	23.03	24.00
15	PI/2 BPSK	36	43	23.01	23.02	22.93	24.00
15	PI/2 BPSK	75	0	23.19	23.17	23.01	24.00
15	QPSK	1	1	23.32	23.24	23.16	24.00
15	QPSK	1	40	23.14	23.11	23.03	24.00
15	QPSK	1	77	23.13	23.06	23.00	24.00
15	QPSK	36	0	23.12	23.14	23.09	24.00
15	QPSK	36	22	23.20	23.13	22.99	24.00
15	QPSK	36	43	23.02	23.05	22.94	24.00
15	QPSK	75	0	23.21	23.13	23.04	24.00
15	16QAM	1	1	23.33	23.34	23.19	24.00
15	64QAM	1	1	21.99	21.98	21.91	23.00
15	256QAM	1	1	19.45	19.39	19.24	20.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.00	23.01	23.00	24.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.24	23.07	23.09	24.00

【FR1 n12_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.32	23.21	23.19	24.00
15	PI/2 BPSK	1	40	23.06	23.08	22.93	24.00
15	PI/2 BPSK	1	77	23.02	23.03	22.89	24.00
15	PI/2 BPSK	36	0	23.20	23.14	23.08	24.00
15	PI/2 BPSK	36	22	23.21	23.15	23.03	24.00
15	PI/2 BPSK	36	43	23.01	23.02	22.93	24.00
15	PI/2 BPSK	75	0	23.19	23.17	23.01	24.00
15	QPSK	1	1	23.32	23.24	23.16	24.00
15	QPSK	1	40	23.14	23.11	23.03	24.00
15	QPSK	1	77	23.13	23.06	23.00	24.00
15	QPSK	36	0	23.12	23.14	23.09	24.00
15	QPSK	36	22	23.20	23.13	22.99	24.00
15	QPSK	36	43	23.02	23.05	22.94	24.00
15	QPSK	75	0	23.21	23.13	23.04	24.00
15	16QAM	1	1	23.33	23.34	23.19	24.00
15	64QAM	1	1	21.99	21.98	21.91	23.00
15	256QAM	1	1	19.45	19.39	19.24	20.50
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.00	23.01	23.00	24.00
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.24	23.07	23.09	24.00

【FR1 n13_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.22		24.00
10	PI/2 BPSK	1	26		23.19		24.00
10	PI/2 BPSK	1	50		23.13		24.00
10	PI/2 BPSK	25	0		23.11		24.00
10	PI/2 BPSK	25	14		23.14		24.00
10	PI/2 BPSK	25	27		23.12		24.00
10	PI/2 BPSK	50	0		23.20		24.00
10	QPSK	1	1		23.14		24.00
10	QPSK	1	26		23.19		24.00
10	QPSK	1	50		23.26		24.00
10	QPSK	25	0		23.17		24.00
10	QPSK	25	14		23.16		24.00
10	QPSK	25	27		23.15		24.00
10	QPSK	50	0		23.22		24.00
10	16QAM	1	1		23.31		24.00
10	64QAM	1	1		22.06		23.00
10	256QAM	1	1		19.61		20.50
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.21	23.18	23.15	24.00

【FR1 n13_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					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.22		24.00
10	PI/2 BPSK	1	26		23.19		24.00
10	PI/2 BPSK	1	50		23.13		24.00
10	PI/2 BPSK	25	0		23.11		24.00
10	PI/2 BPSK	25	14		23.14		24.00
10	PI/2 BPSK	25	27		23.12		24.00
10	PI/2 BPSK	50	0		23.20		24.00
10	QPSK	1	1		23.14		24.00
10	QPSK	1	26		23.19		24.00
10	QPSK	1	50		23.26		24.00
10	QPSK	25	0		23.17		24.00
10	QPSK	25	14		23.16		24.00
10	QPSK	25	27		23.15		24.00
10	QPSK	50	0		23.22		24.00
10	16QAM	1	1		23.31		24.00
10	64QAM	1	1		22.06		23.00
10	256QAM	1	1		19.61		20.50
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.21	23.18	23.15	24.00

【FR1 n13_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.22		24.00
10	PI/2 BPSK	1	26		23.19		24.00
10	PI/2 BPSK	1	50		23.13		24.00
10	PI/2 BPSK	25	0		23.11		24.00
10	PI/2 BPSK	25	14		23.14		24.00
10	PI/2 BPSK	25	27		23.12		24.00
10	PI/2 BPSK	50	0		23.20		24.00
10	QPSK	1	1		23.14		24.00
10	QPSK	1	26		23.19		24.00
10	QPSK	1	50		23.26		24.00
10	QPSK	25	0		23.17		24.00
10	QPSK	25	14		23.16		24.00
10	QPSK	25	27		23.15		24.00
10	QPSK	50	0		23.22		24.00
10	16QAM	1	1		23.31		24.00
10	64QAM	1	1		22.06		23.00
10	256QAM	1	1		19.61		20.50
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.21	23.18	23.15	24.00

【FR1 n13_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.22		24.00
10	PI/2 BPSK	1	26		23.19		24.00
10	PI/2 BPSK	1	50		23.13		24.00
10	PI/2 BPSK	25	0		23.11		24.00
10	PI/2 BPSK	25	14		23.14		24.00
10	PI/2 BPSK	25	27		23.12		24.00
10	PI/2 BPSK	50	0		23.20		24.00
10	QPSK	1	1		23.14		24.00
10	QPSK	1	26		23.19		24.00
10	QPSK	1	50		23.26		24.00
10	QPSK	25	0		23.17		24.00
10	QPSK	25	14		23.16		24.00
10	QPSK	25	27		23.15		24.00
10	QPSK	50	0		23.22		24.00
10	16QAM	1	1		23.31		24.00
10	64QAM	1	1		22.06		23.00
10	256QAM	1	1		19.61		20.50
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.21	23.18	23.15	24.00

【FR1 n25_Ant 0_Sensor off】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				373000	376500	380000	
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.73	22.77	22.55	24.00
30	PI/2 BPSK	1	80	22.47	22.62	22.38	24.00
30	PI/2 BPSK	1	158	22.52	22.66	22.33	24.00
30	PI/2 BPSK	80	0	22.47	22.61	22.34	24.00
30	PI/2 BPSK	80	40	22.50	22.68	22.32	24.00
30	PI/2 BPSK	80	80	22.51	22.65	22.41	24.00
30	PI/2 BPSK	160	0	22.51	22.60	22.25	24.00
30	QPSK	1	1	22.37	22.55	22.29	24.00
30	QPSK	1	80	22.45	22.59	22.30	24.00
30	QPSK	1	158	22.47	22.63	22.36	24.00
30	QPSK	80	0	22.57	22.66	22.33	24.00
30	QPSK	80	40	22.48	22.61	22.27	24.00
30	QPSK	80	80	22.55	22.68	22.35	24.00
30	QPSK	160	0	22.40	22.53	22.27	24.00
30	16QAM	1	1	22.41	22.59	22.24	24.00
30	64QAM	1	1	21.62	21.75	21.42	23.00
30	256QAM	1	1	19.19	19.28	19.04	20.50
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	22.72	22.71	22.58	24.00
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.68	22.73	22.65	24.00
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.62	22.66	22.58	24.00
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.67	22.68	22.58	24.00
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.68	22.73	22.62	24.00

【FR1 n25_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				373000	376500	380000	
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.23	23.27	23.05	24.50
30	PI/2 BPSK	1	80	22.97	23.12	22.88	24.50
30	PI/2 BPSK	1	158	23.02	23.16	22.83	24.50
30	PI/2 BPSK	80	0	22.97	23.11	22.84	24.50
30	PI/2 BPSK	80	40	23.00	23.18	22.82	24.50
30	PI/2 BPSK	80	80	23.01	23.15	22.91	24.50
30	PI/2 BPSK	160	0	23.01	23.10	22.75	24.50
30	QPSK	1	1	22.87	23.05	22.79	24.50
30	QPSK	1	80	22.95	23.09	22.80	24.50
30	QPSK	1	158	22.97	23.13	22.86	24.50
30	QPSK	80	0	23.07	23.16	22.83	24.50
30	QPSK	80	40	22.98	23.11	22.77	24.50
30	QPSK	80	80	23.05	23.18	22.85	24.50
30	QPSK	160	0	22.90	23.03	22.77	24.50
30	16QAM	1	1	22.91	23.09	22.74	24.50
30	64QAM	1	1	22.12	22.25	21.92	23.50
30	256QAM	1	1	19.69	19.78	19.54	21.00
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.20	23.26	22.90	24.50
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.12	23.15	23.03	24.50
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.22	23.15	22.92	24.50
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	



10	PI/2 BPSK	1	1	23.21	23.18	23.02	24.50
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	23.15	23.26	22.98	24.50

【FR1 n25_Ant 0_Sensor on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				373000	376500	380000	1900
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.74	17.79	17.61	19.00
30	PI/2 BPSK	1	80	17.53	17.71	17.44	19.00
30	PI/2 BPSK	1	158	17.48	17.66	17.45	19.00
30	PI/2 BPSK	80	0	17.55	17.62	17.42	19.00
30	PI/2 BPSK	80	40	17.58	17.75	17.48	19.00
30	PI/2 BPSK	80	80	17.54	17.61	17.37	19.00
30	PI/2 BPSK	160	0	17.53	17.73	17.44	19.00
30	QPSK	1	1	17.63	17.70	17.50	19.00
30	QPSK	1	80	17.50	17.69	17.40	19.00
30	QPSK	1	158	17.44	17.62	17.40	19.00
30	QPSK	80	0	17.53	17.65	17.40	19.00
30	QPSK	80	40	17.51	17.62	17.36	19.00
30	QPSK	80	80	17.53	17.68	17.48	19.00
30	QPSK	160	0	17.46	17.63	17.43	19.00
30	16QAM	1	1	17.47	17.62	17.31	19.00
30	64QAM	1	1	17.47	17.60	17.33	19.00
30	256QAM	1	1	17.48	17.59	17.39	19.00
Channel				372500	376500	380500	1900
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.75	17.69	17.68	19.00
Channel				372000	376500	381000	1900
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.75	17.75	17.71	19.00
Channel				371500	376500	381500	1900
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.70	17.75	17.64	19.00
Channel				371000	376500	382000	1900
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.77	17.75	17.63	19.00
Channel				370500	376500	382500	1900
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.65	17.74	17.62	19.00

【FR1 n25_Ant 0_Hotspot on】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				373000	376500	380000	1900
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.74	17.79	17.61	19.00
30	PI/2 BPSK	1	80	17.53	17.71	17.44	19.00
30	PI/2 BPSK	1	158	17.48	17.66	17.45	19.00
30	PI/2 BPSK	80	0	17.55	17.62	17.42	19.00
30	PI/2 BPSK	80	40	17.58	17.75	17.48	19.00
30	PI/2 BPSK	80	80	17.54	17.61	17.37	19.00
30	PI/2 BPSK	160	0	17.53	17.73	17.44	19.00
30	QPSK	1	1	17.63	17.70	17.50	19.00
30	QPSK	1	80	17.50	17.69	17.40	19.00
30	QPSK	1	158	17.44	17.62	17.40	19.00
30	QPSK	80	0	17.53	17.65	17.40	19.00
30	QPSK	80	40	17.51	17.62	17.36	19.00
30	QPSK	80	80	17.53	17.68	17.48	19.00
30	QPSK	160	0	17.46	17.63	17.43	19.00
30	16QAM	1	1	17.47	17.62	17.31	19.00
30	64QAM	1	1	17.47	17.60	17.33	19.00
30	256QAM	1	1	17.48	17.59	17.39	19.00
Channel				372500	376500	380500	1900
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.75	17.69	17.68	19.00
Channel				372000	376500	381000	1900
Frequency (MHz)				1860	1882.5	1905	