

**【LTE Band 43 (96)_Ant 6_DSI 4】**

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



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10	16QAM	25	0	19.48	19.62	19.52	21.00
10	16QAM	25	12	19.74	19.81	19.70	21.00
10	16QAM	25	25	19.65	19.69	19.70	21.00
10	16QAM	50	0	19.46	19.59	19.58	21.00
10	64QAM	1	0	19.67	19.82	19.74	21.00
10	64QAM	1	25	19.55	19.75	19.58	21.00
10	64QAM	1	49	19.41	19.63	19.58	21.00
10	64QAM	25	0	18.76	18.74	18.75	20.00
10	64QAM	25	12	18.52	18.64	18.49	20.00
10	64QAM	25	25	18.49	18.74	18.59	20.00
10	64QAM	50	0	18.61	18.72	18.64	20.00
10	256QAM	1	0	16.73	16.81	16.67	18.00
10	256QAM	1	25	16.70	16.67	16.59	18.00
10	256QAM	1	49	16.64	16.71	16.65	18.00
10	256QAM	25	0	16.56	16.72	16.58	18.00
10	256QAM	25	12	16.60	16.82	16.58	18.00
10	256QAM	25	25	16.63	16.71	16.61	18.00
10	256QAM	50	0	16.36	16.59	16.45	18.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.73	21.84	21.75	23.00
5	QPSK	1	12	21.59	21.67	21.59	23.00
5	QPSK	1	24	21.37	21.47	21.36	23.00
5	QPSK	12	0	20.81	20.75	20.71	22.00
5	QPSK	12	7	20.61	20.72	20.66	22.00
5	QPSK	12	13	20.52	20.57	20.61	22.00
5	QPSK	25	0	20.54	20.82	20.60	22.00
5	16QAM	1	0	20.58	20.76	20.77	22.00
5	16QAM	1	12	20.70	20.81	20.67	22.00
5	16QAM	1	24	20.48	20.54	20.54	22.00
5	16QAM	12	0	19.43	19.59	19.52	21.00
5	16QAM	12	7	19.72	19.84	19.80	21.00
5	16QAM	12	13	19.59	19.72	19.69	21.00
5	16QAM	25	0	19.49	19.62	19.57	21.00
5	64QAM	1	0	19.71	19.78	19.70	21.00
5	64QAM	1	12	19.57	19.73	19.57	21.00
5	64QAM	1	24	19.50	19.56	19.60	21.00
5	64QAM	12	0	18.72	18.76	18.68	20.00
5	64QAM	12	7	18.51	18.59	18.49	20.00
5	64QAM	12	13	18.45	18.69	18.55	20.00
5	64QAM	25	0	18.64	18.78	18.72	20.00
5	256QAM	1	0	16.68	16.70	16.73	18.00
5	256QAM	1	12	16.71	16.78	16.71	18.00
5	256QAM	1	24	16.56	16.72	16.64	18.00
5	256QAM	12	0	16.60	16.77	16.58	18.00
5	256QAM	12	7	16.70	16.79	16.56	18.00
5	256QAM	12	13	16.60	16.59	16.56	18.00
5	256QAM	25	0	16.46	16.57	16.49	18.00

【LTE Band 43 (96)_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.02	23.07	23.04	24.00
20	QPSK	1	49	22.85	22.94	22.79	24.00
20	QPSK	1	99	22.77	22.85	22.80	24.00
20	QPSK	50	0	22.06	22.12	22.10	23.00
20	QPSK	50	24	21.92	22.02	21.97	23.00
20	QPSK	50	50	21.99	22.08	21.90	23.00
20	QPSK	100	0	21.93	22.05	21.89	23.00
20	16QAM	1	0	21.89	22.01	21.95	23.00
20	16QAM	1	49	21.86	21.97	21.85	23.00
20	16QAM	1	99	21.93	22.05	21.93	23.00
20	16QAM	50	0	20.76	20.89	20.83	22.00
20	16QAM	50	24	20.97	21.06	21.01	22.00
20	16QAM	50	50	20.81	20.99	20.88	22.00
20	16QAM	100	0	20.78	20.97	20.85	22.00
20	64QAM	1	0	20.87	21.01	20.83	22.00
20	64QAM	1	49	20.90	21.00	20.86	22.00
20	64QAM	1	99	20.71	20.88	20.83	22.00
20	64QAM	50	0	19.91	19.99	19.88	21.00
20	64QAM	50	24	19.91	20.03	19.94	21.00



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20	64QAM	50	50	19.78	19.86	19.79	21.00
20	64QAM	100	0	19.96	20.05	20.01	21.00
20	256QAM	1	0	17.78	17.89	17.80	19.00
20	256QAM	1	49	17.86	17.99	17.89	19.00
20	256QAM	1	99	17.81	17.88	17.84	19.00
20	256QAM	50	0	17.75	17.92	17.76	19.00
20	256QAM	50	24	17.72	17.85	17.71	19.00
20	256QAM	50	50	17.72	17.91	17.87	19.00
20	256QAM	100	0	17.85	17.94	17.90	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	22.98	23.05	22.89	24.00
15	QPSK	1	37	22.74	22.81	22.73	24.00
15	QPSK	1	74	22.72	22.82	22.69	24.00
15	QPSK	36	0	21.96	22.07	21.96	23.00
15	QPSK	36	20	21.89	21.97	21.89	23.00
15	QPSK	36	39	21.90	22.05	21.88	23.00
15	QPSK	75	0	21.85	22.03	21.76	23.00
15	16QAM	1	0	21.79	21.98	21.93	23.00
15	16QAM	1	37	21.79	21.95	21.73	23.00
15	16QAM	1	74	21.89	22.04	21.88	23.00
15	16QAM	36	0	20.68	20.80	20.72	22.00
15	16QAM	36	20	20.92	20.91	20.93	22.00
15	16QAM	36	39	20.68	20.86	20.79	22.00
15	16QAM	75	0	20.75	20.88	20.73	22.00
15	64QAM	1	0	20.79	20.99	20.78	22.00
15	64QAM	1	37	20.82	20.89	20.80	22.00
15	64QAM	1	74	20.62	20.85	20.79	22.00
15	64QAM	36	0	19.88	19.91	19.84	21.00
15	64QAM	36	20	19.87	20.00	19.86	21.00
15	64QAM	36	39	19.71	19.82	19.75	21.00
15	64QAM	75	0	19.82	19.98	19.95	21.00
15	256QAM	1	0	17.66	17.75	17.65	19.00
15	256QAM	1	37	17.78	17.92	17.88	19.00
15	256QAM	1	74	17.75	17.74	17.78	19.00
15	256QAM	36	0	17.67	17.89	17.72	19.00
15	256QAM	36	20	17.66	17.73	17.64	19.00
15	256QAM	36	39	17.65	17.77	17.83	19.00
15	256QAM	75	0	17.73	17.86	17.84	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	23.01	22.95	22.96	24.00
10	QPSK	1	25	22.77	22.93	22.75	24.00
10	QPSK	1	49	22.72	22.75	22.77	24.00
10	QPSK	25	0	22.02	22.05	21.99	23.00
10	QPSK	25	12	21.91	21.98	21.95	23.00
10	QPSK	25	25	21.96	22.07	21.80	23.00
10	QPSK	50	0	21.81	22.04	21.74	23.00
10	16QAM	1	0	21.79	21.93	21.91	23.00
10	16QAM	1	25	21.84	21.84	21.82	23.00
10	16QAM	1	49	21.79	21.95	21.84	23.00
10	16QAM	25	0	20.70	20.88	20.78	22.00
10	16QAM	25	12	20.85	20.97	20.90	22.00
10	16QAM	25	25	20.76	20.91	20.84	22.00
10	16QAM	50	0	20.63	20.88	20.71	22.00
10	64QAM	1	0	20.83	20.92	20.73	22.00
10	64QAM	1	25	20.83	20.98	20.78	22.00
10	64QAM	1	49	20.62	20.83	20.74	22.00
10	64QAM	25	0	19.86	19.91	19.84	21.00
10	64QAM	25	12	19.88	19.97	19.82	21.00
10	64QAM	25	25	19.63	19.79	19.64	21.00
10	64QAM	50	0	19.88	19.96	19.98	21.00
10	256QAM	1	0	17.65	17.76	17.66	19.00
10	256QAM	1	25	17.76	17.92	17.80	19.00
10	256QAM	1	49	17.77	17.81	17.73	19.00
10	256QAM	25	0	17.61	17.86	17.75	19.00
10	256QAM	25	12	17.65	17.74	17.62	19.00
10	256QAM	25	25	17.64	17.82	17.73	19.00
10	256QAM	50	0	17.71	17.86	17.78	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	22.91	22.94	22.99	24.00
5	QPSK	1	12	22.74	22.84	22.71	24.00
5	QPSK	1	24	22.68	22.73	22.67	24.00
5	QPSK	12	0	21.93	22.08	21.97	23.00
5	QPSK	12	7	21.87	21.95	21.88	23.00
5	QPSK	12	13	21.97	22.05	21.82	23.00
5	QPSK	25	0	21.85	21.98	21.76	23.00



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5	16QAM	1	0	21.79	21.89	21.80	23.00
5	16QAM	1	12	21.75	21.93	21.74	23.00
5	16QAM	1	24	21.84	21.93	21.81	23.00
5	16QAM	12	0	20.71	20.81	20.80	22.00
5	16QAM	12	7	20.94	20.99	20.94	22.00
5	16QAM	12	13	20.71	20.90	20.77	22.00
5	16QAM	25	0	20.72	20.87	20.75	22.00
5	64QAM	1	0	20.83	20.90	20.77	22.00
5	64QAM	1	12	20.76	20.88	20.80	22.00
5	64QAM	1	24	20.67	20.81	20.82	22.00
5	64QAM	12	0	19.81	19.97	19.79	21.00
5	64QAM	12	7	19.81	19.95	19.83	21.00
5	64QAM	12	13	19.64	19.82	19.67	21.00
5	64QAM	25	0	19.86	20.00	19.99	21.00
5	256QAM	1	0	17.65	17.75	17.72	19.00
5	256QAM	1	12	17.85	17.87	17.85	19.00
5	256QAM	1	24	17.72	17.75	17.76	19.00
5	256QAM	12	0	17.66	17.89	17.70	19.00
5	256QAM	12	7	17.61	17.79	17.66	19.00
5	256QAM	12	13	17.64	17.89	17.82	19.00
5	256QAM	25	0	17.70	17.84	17.78	19.00

【LTE Band 43 (96)_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	22.02	22.07	22.04	23.00
20	QPSK	1	49	21.27	21.34	22.03	23.00
20	QPSK	1	99	21.76	21.30	21.94	23.00
20	QPSK	50	0	21.06	21.12	21.10	22.00
20	QPSK	50	24	20.52	20.49	20.35	22.00
20	QPSK	50	50	20.65	20.83	20.42	22.00
20	QPSK	100	0	20.93	21.05	20.89	22.00
20	16QAM	1	0	21.32	20.79	21.36	22.00
20	16QAM	1	49	21.31	20.67	20.50	22.00
20	16QAM	1	99	20.60	21.01	21.40	22.00
20	16QAM	50	0	19.77	20.23	20.32	21.00
20	16QAM	50	24	20.31	19.76	20.33	21.00
20	16QAM	50	50	19.67	20.44	20.22	21.00
20	16QAM	100	0	20.11	20.05	20.24	21.00
20	64QAM	1	0	20.14	20.20	20.13	21.00
20	64QAM	1	49	20.24	19.37	19.45	21.00
20	64QAM	1	99	20.10	20.23	20.26	21.00
20	64QAM	50	0	18.92	18.89	18.99	20.00
20	64QAM	50	24	18.31	19.13	18.69	20.00
20	64QAM	50	50	18.38	18.59	18.39	20.00
20	64QAM	100	0	18.54	19.29	19.25	20.00
20	256QAM	1	0	16.71	16.23	16.98	18.00
20	256QAM	1	49	17.21	16.82	17.09	18.00
20	256QAM	1	99	16.38	16.57	16.62	18.00
20	256QAM	50	0	16.90	16.66	16.26	18.00
20	256QAM	50	24	17.11	17.27	16.55	18.00
20	256QAM	50	50	17.06	17.25	16.45	18.00
20	256QAM	100	0	16.90	17.44	17.38	18.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.97	22.01	21.98	23.00
15	QPSK	1	37	21.14	21.28	22.04	23.00
15	QPSK	1	74	21.69	21.22	21.86	23.00
15	QPSK	36	0	21.01	21.05	21.07	22.00
15	QPSK	36	20	20.40	20.44	20.26	22.00
15	QPSK	36	39	20.62	20.80	20.34	22.00
15	QPSK	75	0	20.80	21.04	20.87	22.00
15	16QAM	1	0	21.22	20.70	21.27	22.00
15	16QAM	1	37	21.21	20.64	20.36	22.00
15	16QAM	1	74	20.59	20.90	21.32	22.00
15	16QAM	36	0	19.65	20.09	20.27	21.00
15	16QAM	36	20	20.19	19.65	20.30	21.00
15	16QAM	36	39	19.58	20.42	20.20	21.00
15	16QAM	75	0	19.98	20.01	20.18	21.00
15	64QAM	1	0	20.08	20.13	20.12	21.00
15	64QAM	1	37	20.20	19.35	19.38	21.00



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15	64QAM	1	74	19.97	20.15	20.22	21.00
15	64QAM	36	0	18.80	18.85	18.90	20.00
15	64QAM	36	20	18.28	19.09	18.64	20.00
15	64QAM	36	39	18.31	18.45	18.28	20.00
15	64QAM	75	0	18.50	19.16	19.11	20.00
15	256QAM	1	0	16.60	16.17	16.95	18.00
15	256QAM	1	37	17.14	16.75	16.98	18.00
15	256QAM	1	74	16.32	16.51	16.50	18.00
15	256QAM	36	0	16.86	16.56	16.12	18.00
15	256QAM	36	20	17.01	17.24	16.47	18.00
15	256QAM	36	39	17.03	17.18	16.36	18.00
15	256QAM	75	0	16.77	17.33	17.28	18.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.97	21.98	21.96	23.00
10	QPSK	1	25	21.15	21.33	22.03	23.00
10	QPSK	1	49	21.72	21.28	21.84	23.00
10	QPSK	25	0	20.98	21.04	20.98	22.00
10	QPSK	25	12	20.51	20.45	20.23	22.00
10	QPSK	25	25	20.51	20.73	20.29	22.00
10	QPSK	50	0	20.82	20.92	20.80	22.00
10	16QAM	1	0	21.18	20.72	21.27	22.00
10	16QAM	1	25	21.23	20.63	20.37	22.00
10	16QAM	1	49	20.45	20.95	21.34	22.00
10	16QAM	25	0	19.65	20.14	20.28	21.00
10	16QAM	25	12	20.18	19.65	20.18	21.00
10	16QAM	25	25	19.53	20.35	20.13	21.00
10	16QAM	50	0	20.01	20.01	20.18	21.00
10	64QAM	1	0	20.12	20.06	20.02	21.00
10	64QAM	1	25	20.18	19.34	19.42	21.00
10	64QAM	1	49	20.02	20.10	20.17	21.00
10	64QAM	25	0	18.90	18.80	18.87	20.00
10	64QAM	25	12	18.29	19.07	18.59	20.00
10	64QAM	25	25	18.34	18.55	18.34	20.00
10	64QAM	50	0	18.47	19.25	19.16	20.00
10	256QAM	1	0	16.63	16.09	16.84	18.00
10	256QAM	1	25	17.17	16.76	16.99	18.00
10	256QAM	1	49	16.25	16.44	16.61	18.00
10	256QAM	25	0	16.81	16.52	16.21	18.00
10	256QAM	25	12	17.01	17.14	16.53	18.00
10	256QAM	25	25	16.95	17.22	16.32	18.00
10	256QAM	50	0	16.79	17.33	17.28	18.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.99	22.01	21.97	23.00
5	QPSK	1	12	21.19	21.26	22.02	23.00
5	QPSK	1	24	21.72	21.19	21.81	23.00
5	QPSK	12	0	20.98	21.10	20.96	22.00
5	QPSK	12	7	20.40	20.41	20.21	22.00
5	QPSK	12	13	20.64	20.73	20.32	22.00
5	QPSK	25	0	20.89	21.03	20.82	22.00
5	16QAM	1	0	21.29	20.75	21.30	22.00
5	16QAM	1	12	21.23	20.55	20.41	22.00
5	16QAM	1	24	20.56	20.88	21.28	22.00
5	16QAM	12	0	19.65	20.13	20.24	21.00
5	16QAM	12	7	20.28	19.63	20.24	21.00
5	16QAM	12	13	19.65	20.41	20.12	21.00
5	16QAM	25	0	19.97	19.95	20.16	21.00
5	64QAM	1	0	20.10	20.07	20.00	21.00
5	64QAM	1	12	20.13	19.26	19.42	21.00
5	64QAM	1	24	20.07	20.19	20.18	21.00
5	64QAM	12	0	18.77	18.82	18.93	20.00
5	64QAM	12	7	18.22	19.01	18.59	20.00
5	64QAM	12	13	18.33	18.51	18.31	20.00
5	64QAM	25	0	18.49	19.15	19.15	20.00
5	256QAM	1	0	16.69	16.09	16.90	18.00
5	256QAM	1	12	17.16	16.79	17.07	18.00
5	256QAM	1	24	16.35	16.55	16.47	18.00
5	256QAM	12	0	16.84	16.54	16.24	18.00
5	256QAM	12	7	17.01	17.19	16.44	18.00
5	256QAM	12	13	16.96	17.11	16.42	18.00
5	256QAM	25	0	16.82	17.41	17.33	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	21.10
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.62	19.69	19.58	21.10
20	QPSK	1	49	19.21	19.36	19.17	21.10
20	QPSK	1	99	19.43	19.51	19.34	21.10
20	QPSK	50	0	19.43	19.58	19.38	21.10
20	QPSK	50	24	19.35	19.46	19.21	21.10
20	QPSK	50	50	19.32	19.54	19.35	21.10
20	QPSK	100	0	19.21	19.38	19.15	21.10
20	16QAM	1	0	19.24	19.38	19.12	21.10
20	16QAM	1	49	19.41	19.52	19.33	21.10
20	16QAM	1	99	19.30	19.43	19.17	21.10
20	16QAM	50	0	19.49	19.58	19.39	21.10
20	16QAM	50	24	19.41	19.54	19.28	21.10
20	16QAM	50	50	19.38	19.48	19.31	21.10
20	16QAM	100	0	19.44	19.57	19.41	21.10
20	64QAM	1	0	19.39	19.48	19.27	21.10
20	64QAM	1	49	19.33	19.50	19.34	21.10
20	64QAM	1	99	19.34	19.56	19.33	21.10
20	64QAM	50	0	19.23	19.42	19.18	21.00
20	64QAM	50	24	19.27	19.49	19.36	21.00
20	64QAM	50	50	19.30	19.50	19.28	21.00
20	64QAM	100	0	19.28	19.46	19.23	21.00
20	256QAM	1	0	17.41	17.52	17.34	19.00
20	256QAM	1	49	17.34	17.50	17.37	19.00
20	256QAM	1	99	17.32	17.40	17.19	19.00
20	256QAM	50	0	17.24	17.36	17.22	19.00
20	256QAM	50	24	17.27	17.41	17.25	19.00
20	256QAM	50	50	17.26	17.41	17.29	19.00
20	256QAM	100	0	17.35	17.51	17.33	19.00
Channel				43665	44090	44515	21.10
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.48	19.57	19.45	21.10
15	QPSK	1	37	19.16	19.27	19.10	21.10
15	QPSK	1	74	19.30	19.42	19.24	21.10
15	QPSK	36	0	19.41	19.50	19.36	21.10
15	QPSK	36	20	19.33	19.41	19.11	21.10
15	QPSK	36	39	19.30	19.50	19.28	21.10
15	QPSK	75	0	19.13	19.29	19.12	21.10
15	16QAM	1	0	19.14	19.34	19.10	21.10
15	16QAM	1	37	19.39	19.43	19.29	21.10
15	16QAM	1	74	19.16	19.40	19.15	21.10
15	16QAM	36	0	19.46	19.47	19.26	21.10
15	16QAM	36	20	19.35	19.39	19.18	21.10
15	16QAM	36	39	19.35	19.47	19.24	21.10
15	16QAM	75	0	19.30	19.54	19.29	21.10
15	64QAM	1	0	19.25	19.39	19.22	21.10
15	64QAM	1	37	19.21	19.45	19.30	21.10
15	64QAM	1	74	19.30	19.47	19.28	21.10
15	64QAM	36	0	19.16	19.40	19.15	21.00
15	64QAM	36	20	19.16	19.37	19.25	21.00
15	64QAM	36	39	19.17	19.44	19.26	21.00
15	64QAM	75	0	19.15	19.41	19.12	21.00
15	256QAM	1	0	17.34	17.50	17.22	19.00
15	256QAM	1	37	17.29	17.46	17.35	19.00
15	256QAM	1	74	17.28	17.29	17.16	19.00
15	256QAM	36	0	17.18	17.21	17.10	19.00
15	256QAM	36	20	17.16	17.39	17.11	19.00
15	256QAM	36	39	17.15	17.35	17.19	19.00
15	256QAM	75	0	17.32	17.38	17.28	19.00
Channel				43640	44090	44540	21.10
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	19.60	19.60	19.51	21.10
10	QPSK	1	25	19.13	19.31	19.10	21.10
10	QPSK	1	49	19.41	19.45	19.26	21.10
10	QPSK	25	0	19.30	19.49	19.26	21.10
10	QPSK	25	12	19.26	19.41	19.11	21.10
10	QPSK	25	25	19.24	19.48	19.34	21.10
10	QPSK	50	0	19.10	19.32	19.11	21.10
10	16QAM	1	0	19.15	19.29	19.12	21.10
10	16QAM	1	25	19.27	19.38	19.26	21.10
10	16QAM	1	49	19.19	19.34	19.11	21.10



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10	16QAM	25	0	19.47	19.46	19.32	21.10
10	16QAM	25	12	19.31	19.50	19.21	21.10
10	16QAM	25	25	19.26	19.47	19.19	21.10
10	16QAM	50	0	19.36	19.42	19.38	21.10
10	64QAM	1	0	19.29	19.34	19.16	21.10
10	64QAM	1	25	19.28	19.40	19.32	21.10
10	64QAM	1	49	19.20	19.49	19.32	21.10
10	64QAM	25	0	19.17	19.39	19.16	21.00
10	64QAM	25	12	19.23	19.46	19.29	21.00
10	64QAM	25	25	19.18	19.42	19.15	21.00
10	64QAM	50	0	19.17	19.38	19.09	21.00
10	256QAM	1	0	17.39	17.50	17.32	19.00
10	256QAM	1	25	17.26	17.41	17.23	19.00
10	256QAM	1	49	17.29	17.26	17.12	19.00
10	256QAM	25	0	17.19	17.28	17.11	19.00
10	256QAM	25	12	17.14	17.39	17.15	19.00
10	256QAM	25	25	17.19	17.34	17.14	19.00
10	256QAM	50	0	17.23	17.37	17.22	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	19.61	19.67	19.46	21.10
5	QPSK	1	12	19.16	19.28	19.11	21.10
5	QPSK	1	24	19.38	19.46	19.25	21.10
5	QPSK	12	0	19.29	19.49	19.36	21.10
5	QPSK	12	7	19.29	19.33	19.10	21.10
5	QPSK	12	13	19.28	19.47	19.27	21.10
5	QPSK	25	0	19.15	19.35	19.11	21.10
5	16QAM	1	0	19.22	19.33	19.10	21.10
5	16QAM	1	12	19.31	19.42	19.31	21.10
5	16QAM	1	24	19.22	19.36	19.10	21.10
5	16QAM	12	0	19.35	19.46	19.35	21.10
5	16QAM	12	7	19.37	19.52	19.15	21.10
5	16QAM	12	13	19.32	19.37	19.29	21.10
5	16QAM	25	0	19.43	19.52	19.29	21.10
5	64QAM	1	0	19.29	19.36	19.20	21.10
5	64QAM	1	12	19.19	19.44	19.21	21.10
5	64QAM	1	24	19.30	19.48	19.25	21.10
5	64QAM	12	0	19.17	19.33	19.13	21.00
5	64QAM	12	7	19.22	19.46	19.35	21.00
5	64QAM	12	13	19.25	19.44	19.26	21.00
5	64QAM	25	0	19.24	19.37	19.11	21.00
5	256QAM	1	0	17.26	17.45	17.31	19.00
5	256QAM	1	12	17.30	17.42	17.29	19.00
5	256QAM	1	24	17.30	17.33	17.18	19.00
5	256QAM	12	0	17.22	17.32	17.10	19.00
5	256QAM	12	7	17.16	17.30	17.20	19.00
5	256QAM	12	13	17.24	17.31	17.19	19.00
5	256QAM	25	0	17.27	17.46	17.21	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.42	21.49	21.33	22.90
20	QPSK	1	49	21.22	21.30	21.09	22.90
20	QPSK	1	99	21.24	21.33	21.03	22.90
20	QPSK	50	0	21.35	21.40	21.36	22.90
20	QPSK	50	24	21.14	21.24	20.93	22.90
20	QPSK	50	50	21.27	21.36	21.19	22.90
20	QPSK	100	0	21.23	21.30	21.22	22.90
20	16QAM	1	0	21.17	21.34	21.03	22.90
20	16QAM	1	49	21.19	21.30	21.03	22.90
20	16QAM	1	99	21.23	21.37	21.08	22.90
20	16QAM	50	0	20.75	20.84	20.60	22.30
20	16QAM	50	24	20.63	20.82	20.53	22.30
20	16QAM	50	50	20.68	20.77	20.52	22.30
20	16QAM	100	0	20.54	20.75	20.56	22.30
20	64QAM	1	0	20.64	20.79	20.52	22.30
20	64QAM	1	49	20.55	20.76	20.53	22.30
20	64QAM	1	99	20.64	20.74	20.45	22.30
20	64QAM	50	0	19.59	19.70	19.54	21.30
20	64QAM	50	24	19.71	19.82	19.54	21.30



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20	64QAM	50	50	19.60	19.73	19.47	21.30
20	64QAM	100	0	19.78	19.88	19.59	21.30
20	256QAM	1	0	17.73	17.85	17.58	19.30
20	256QAM	1	49	17.62	17.83	17.60	19.30
20	256QAM	1	99	17.59	17.74	17.52	19.30
20	256QAM	50	0	17.75	17.87	17.60	19.30
20	256QAM	50	24	17.60	17.78	17.51	19.30
20	256QAM	50	50	17.51	17.72	17.45	19.30
20	256QAM	100	0	17.71	17.84	17.66	19.30
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.31	21.45	21.26	22.90
15	QPSK	1	37	21.10	21.28	21.03	22.90
15	QPSK	1	74	21.15	21.29	20.91	22.90
15	QPSK	36	0	21.24	21.34	21.23	22.90
15	QPSK	36	20	21.07	21.21	20.90	22.90
15	QPSK	36	39	21.13	21.34	21.17	22.90
15	QPSK	75	0	21.20	21.25	21.16	22.90
15	16QAM	1	0	21.12	21.20	20.91	22.90
15	16QAM	1	37	21.11	21.18	21.02	22.90
15	16QAM	1	74	21.14	21.30	21.04	22.90
15	16QAM	36	0	20.66	20.78	20.52	22.30
15	16QAM	36	20	20.54	20.75	20.40	22.30
15	16QAM	36	39	20.60	20.71	20.50	22.30
15	16QAM	75	0	20.47	20.69	20.51	22.30
15	64QAM	1	0	20.51	20.74	20.48	22.30
15	64QAM	1	37	20.53	20.74	20.49	22.30
15	64QAM	1	74	20.55	20.65	20.43	22.30
15	64QAM	36	0	19.54	19.59	19.42	21.30
15	64QAM	36	20	19.59	19.68	19.45	21.30
15	64QAM	36	39	19.58	19.65	19.42	21.30
15	64QAM	75	0	19.69	19.79	19.52	21.30
15	256QAM	1	0	17.68	17.74	17.44	19.30
15	256QAM	1	37	17.55	17.80	17.52	19.30
15	256QAM	1	74	17.51	17.69	17.45	19.30
15	256QAM	36	0	17.69	17.78	17.57	19.30
15	256QAM	36	20	17.53	17.75	17.49	19.30
15	256QAM	36	39	17.37	17.68	17.40	19.30
15	256QAM	75	0	17.67	17.79	17.63	19.30
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.40	21.42	21.29	22.90
10	QPSK	1	25	21.09	21.21	20.96	22.90
10	QPSK	1	49	21.12	21.26	20.99	22.90
10	QPSK	25	0	21.21	21.25	21.25	22.90
10	QPSK	25	12	21.07	21.19	20.95	22.90
10	QPSK	25	25	21.23	21.35	21.16	22.90
10	QPSK	50	0	21.20	21.25	21.14	22.90
10	16QAM	1	0	21.16	21.24	20.98	22.90
10	16QAM	1	25	21.11	21.17	20.91	22.90
10	16QAM	1	49	21.16	21.29	21.06	22.90
10	16QAM	25	0	20.70	20.79	20.49	22.30
10	16QAM	25	12	20.51	20.74	20.42	22.30
10	16QAM	25	25	20.58	20.73	20.39	22.30
10	16QAM	50	0	20.49	20.72	20.49	22.30
10	64QAM	1	0	20.60	20.70	20.41	22.30
10	64QAM	1	25	20.44	20.65	20.47	22.30
10	64QAM	1	49	20.50	20.70	20.37	22.30
10	64QAM	25	0	19.47	19.59	19.39	21.30
10	64QAM	25	12	19.57	19.75	19.42	21.30
10	64QAM	25	25	19.56	19.60	19.34	21.30
10	64QAM	50	0	19.76	19.78	19.56	21.30
10	256QAM	1	0	17.61	17.78	17.56	19.30
10	256QAM	1	25	17.50	17.69	17.56	19.30
10	256QAM	1	49	17.56	17.70	17.50	19.30
10	256QAM	25	0	17.71	17.81	17.49	19.30
10	256QAM	25	12	17.47	17.64	17.42	19.30
10	256QAM	25	25	17.41	17.67	17.34	19.30
10	256QAM	50	0	17.66	17.83	17.58	19.30
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.35	21.39	21.20	22.90
5	QPSK	1	12	21.13	21.28	21.01	22.90
5	QPSK	1	24	21.17	21.29	20.95	22.90
5	QPSK	12	0	21.27	21.28	21.22	22.90
5	QPSK	12	7	21.05	21.22	20.93	22.90
5	QPSK	12	13	21.16	21.26	21.13	22.90
5	QPSK	25	0	21.20	21.19	21.13	22.90



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5	16QAM	1	0	21.05	21.23	20.92	22.90
5	16QAM	1	12	21.14	21.18	21.00	22.90
5	16QAM	1	24	21.13	21.35	20.97	22.90
5	16QAM	12	0	20.61	20.79	20.53	22.30
5	16QAM	12	7	20.58	20.79	20.41	22.30
5	16QAM	12	13	20.54	20.64	20.41	22.30
5	16QAM	25	0	20.41	20.63	20.49	22.30
5	64QAM	1	0	20.57	20.66	20.45	22.30
5	64QAM	1	12	20.45	20.70	20.50	22.30
5	64QAM	1	24	20.54	20.62	20.30	22.30
5	64QAM	12	0	19.45	19.62	19.52	21.30
5	64QAM	12	7	19.66	19.75	19.48	21.30
5	64QAM	12	13	19.47	19.65	19.41	21.30
5	64QAM	25	0	19.65	19.87	19.56	21.30
5	256QAM	1	0	17.66	17.75	17.54	19.30
5	256QAM	1	12	17.48	17.75	17.53	19.30
5	256QAM	1	24	17.49	17.64	17.51	19.30
5	256QAM	12	0	17.68	17.84	17.51	19.30
5	256QAM	12	7	17.49	17.75	17.49	19.30
5	256QAM	12	13	17.38	17.70	17.41	19.30
5	256QAM	25	0	17.57	17.71	17.52	19.30

【LTE Band 43 (96)_Ant 8_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	12.01	12.05	12.03	13.20
20	QPSK	1	49	11.86	11.95	11.93	13.20
20	QPSK	1	99	11.81	11.91	11.90	13.20
20	QPSK	50	0	11.99	12.03	11.91	13.20
20	QPSK	50	24	11.82	11.90	11.86	13.20
20	QPSK	50	50	11.77	11.90	11.82	13.20
20	QPSK	100	0	11.88	11.93	11.90	13.20
20	16QAM	1	0	11.89	11.98	11.93	13.20
20	16QAM	1	49	11.97	11.93	11.92	13.20
20	16QAM	1	99	11.90	11.98	11.92	13.20
20	16QAM	50	0	11.89	11.93	11.92	13.20
20	16QAM	50	24	11.90	11.95	11.95	13.20
20	16QAM	50	50	11.97	11.97	11.93	13.20
20	16QAM	100	0	11.97	11.94	11.94	13.20
20	64QAM	1	0	11.94	11.95	11.91	13.20
20	64QAM	1	49	11.96	11.92	11.97	13.20
20	64QAM	1	99	11.98	11.98	11.89	13.20
20	64QAM	50	0	11.87	12.01	11.96	13.20
20	64QAM	50	24	11.89	11.96	11.99	13.20
20	64QAM	50	50	11.89	11.92	11.96	13.20
20	64QAM	100	0	11.91	11.93	11.94	13.20
20	256QAM	1	0	11.90	11.98	11.96	13.20
20	256QAM	1	49	11.94	11.99	11.97	13.20
20	256QAM	1	99	11.86	12.00	11.89	13.20
20	256QAM	50	0	11.97	12.00	12.00	13.20
20	256QAM	50	24	11.90	12.02	11.98	13.20
20	256QAM	50	50	11.92	12.00	11.93	13.20
20	256QAM	100	0	11.89	11.94	11.94	13.20
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	11.91	11.98	11.96	13.20
15	QPSK	1	37	11.83	11.86	11.91	13.20
15	QPSK	1	74	11.80	11.85	11.82	13.20
15	QPSK	36	0	11.85	11.89	11.84	13.20
15	QPSK	36	20	11.84	11.88	11.81	13.20
15	QPSK	36	39	11.84	11.85	11.77	13.20
15	QPSK	75	0	11.81	11.88	11.87	13.20
15	16QAM	1	0	11.84	11.84	11.84	13.20
15	16QAM	1	37	11.89	11.81	11.81	13.20
15	16QAM	1	74	11.81	11.95	11.79	13.20
15	16QAM	36	0	11.80	11.81	11.80	13.20
15	16QAM	36	20	11.87	11.82	11.85	13.20
15	16QAM	36	39	11.88	11.91	11.88	13.20
15	16QAM	75	0	11.85	11.90	11.81	13.20
15	64QAM	1	0	11.90	11.94	11.88	13.20
15	64QAM	1	37	11.94	11.82	11.93	13.20



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15	64QAM	1	74	11.94	11.93	11.85	13.20
15	64QAM	36	0	11.78	11.96	11.94	13.20
15	64QAM	36	20	11.75	11.84	11.90	13.20
15	64QAM	36	39	11.74	11.82	11.90	13.20
15	64QAM	75	0	11.81	11.83	11.85	13.20
15	256QAM	1	0	11.85	11.92	11.88	13.20
15	256QAM	1	37	11.88	11.89	11.90	13.20
15	256QAM	1	74	11.73	11.90	11.82	13.20
15	256QAM	36	0	11.96	11.96	11.93	13.20
15	256QAM	36	20	11.78	11.94	11.89	13.20
15	256QAM	36	39	11.77	11.90	11.78	13.20
15	256QAM	75	0	11.88	11.86	11.81	13.20
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	11.93	11.92	11.91	13.20
10	QPSK	1	25	11.89	11.81	11.91	13.20
10	QPSK	1	49	11.83	11.90	11.81	13.20
10	QPSK	25	0	11.90	11.95	11.81	13.20
10	QPSK	25	12	11.87	11.80	11.94	13.20
10	QPSK	25	25	11.92	11.88	11.87	13.20
10	QPSK	50	0	11.78	11.79	11.90	13.20
10	16QAM	1	0	11.80	11.88	11.79	13.20
10	16QAM	1	25	11.87	11.84	11.90	13.20
10	16QAM	1	49	11.78	11.96	11.85	13.20
10	16QAM	25	0	11.85	11.91	11.84	13.20
10	16QAM	25	12	11.76	11.94	11.89	13.20
10	16QAM	25	25	11.90	11.95	11.82	13.20
10	16QAM	50	0	11.95	11.90	11.80	13.20
10	64QAM	1	0	11.85	11.88	11.87	13.20
10	64QAM	1	25	11.83	11.77	11.83	13.20
10	64QAM	1	49	11.91	11.84	11.75	13.20
10	64QAM	25	0	11.74	11.92	11.86	13.20
10	64QAM	25	12	11.87	11.82	11.88	13.20
10	64QAM	25	25	11.84	11.90	11.89	13.20
10	64QAM	50	0	11.76	11.80	11.89	13.20
10	256QAM	1	0	11.82	11.95	11.91	13.20
10	256QAM	1	25	11.82	11.98	11.96	13.20
10	256QAM	1	49	11.80	11.89	11.76	13.20
10	256QAM	25	0	11.85	11.99	11.89	13.20
10	256QAM	25	12	11.76	11.91	11.89	13.20
10	256QAM	25	25	11.81	11.90	11.83	13.20
10	256QAM	50	0	11.79	11.91	11.85	13.20
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	11.94	12.01	11.94	13.20
5	QPSK	1	12	11.81	11.87	11.92	13.20
5	QPSK	1	24	11.74	11.84	11.87	13.20
5	QPSK	12	0	11.84	12.00	11.76	13.20
5	QPSK	12	7	11.87	11.78	11.95	13.20
5	QPSK	12	13	11.84	11.94	11.87	13.20
5	QPSK	25	0	11.81	11.88	11.85	13.20
5	16QAM	1	0	11.76	11.91	11.84	13.20
5	16QAM	1	12	11.90	11.79	11.80	13.20
5	16QAM	1	24	11.79	11.91	11.82	13.20
5	16QAM	12	0	11.82	11.84	11.89	13.20
5	16QAM	12	7	11.82	11.87	11.93	13.20
5	16QAM	12	13	11.85	11.89	11.84	13.20
5	16QAM	25	0	11.95	11.87	11.82	13.20
5	64QAM	1	0	11.88	11.93	11.86	13.20
5	64QAM	1	12	11.93	11.78	11.90	13.20
5	64QAM	1	24	11.85	11.86	11.74	13.20
5	64QAM	12	0	11.78	11.94	11.87	13.20
5	64QAM	12	7	11.86	11.93	11.95	13.20
5	64QAM	12	13	11.76	11.84	11.86	13.20
5	64QAM	25	0	11.82	11.80	11.81	13.20
5	256QAM	1	0	11.82	11.88	11.92	13.20
5	256QAM	1	12	11.87	11.92	11.90	13.20
5	256QAM	1	24	11.72	11.98	11.80	13.20
5	256QAM	12	0	11.89	11.99	11.98	13.20
5	256QAM	12	7	11.77	12.01	11.93	13.20
5	256QAM	12	13	11.91	11.93	11.91	13.20
5	256QAM	25	0	11.75	11.92	11.86	13.20

**[LTE Band 43 (96)_Ant 8_DSI 7]**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	Tune-up limit (dBm)
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.53	19.60	19.52	21.10
20	QPSK	1	49	19.14	19.25	19.10	21.10
20	QPSK	1	99	19.26	19.36	19.20	21.10
20	QPSK	50	0	19.40	19.49	19.29	21.10
20	QPSK	50	24	19.20	19.31	19.12	21.10
20	QPSK	50	50	19.26	19.35	19.23	21.10
20	QPSK	100	0	19.11	19.23	19.11	21.10
20	16QAM	1	0	19.10	19.27	19.11	21.10
20	16QAM	1	49	19.19	19.37	19.24	21.10
20	16QAM	1	99	19.15	19.30	19.19	21.10
20	16QAM	50	0	19.30	19.46	19.34	21.10
20	16QAM	50	24	19.15	19.36	19.21	21.10
20	16QAM	50	50	19.11	19.29	19.14	21.10
20	16QAM	100	0	19.23	19.44	19.21	21.10
20	64QAM	1	0	19.16	19.36	19.23	21.10
20	64QAM	1	49	19.12	19.30	19.20	21.10
20	64QAM	1	99	19.24	19.38	19.23	21.10
20	64QAM	50	0	19.13	19.26	19.10	21.00
20	64QAM	50	24	19.16	19.31	19.17	21.00
20	64QAM	50	50	19.12	19.34	19.12	21.00
20	64QAM	100	0	19.16	19.28	19.15	21.00
20	256QAM	1	0	17.21	17.37	17.22	19.00
20	256QAM	1	49	17.26	17.41	17.19	19.00
20	256QAM	1	99	17.04	17.20	17.00	19.00
20	256QAM	50	0	17.12	17.19	17.03	19.00
20	256QAM	50	24	17.16	17.23	17.08	19.00
20	256QAM	50	50	17.10	17.28	17.13	19.00
20	256QAM	100	0	17.22	17.36	17.18	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.46	19.56	19.40	21.10
15	QPSK	1	37	19.12	19.12	19.10	21.10
15	QPSK	1	74	19.22	19.30	19.12	21.10
15	QPSK	36	0	19.33	19.37	19.25	21.10
15	QPSK	36	20	19.13	19.21	19.10	21.10
15	QPSK	36	39	19.13	19.27	19.18	21.10
15	QPSK	75	0	19.11	19.20	19.10	21.10
15	16QAM	1	0	19.10	19.15	19.10	21.10
15	16QAM	1	37	19.10	19.35	19.12	21.10
15	16QAM	1	74	19.10	19.22	19.13	21.10
15	16QAM	36	0	19.17	19.33	19.22	21.10
15	16QAM	36	20	19.10	19.34	19.15	21.10
15	16QAM	36	39	19.11	19.24	19.10	21.10
15	16QAM	75	0	19.19	19.39	19.19	21.10
15	64QAM	1	0	19.10	19.22	19.13	21.10
15	64QAM	1	37	19.11	19.29	19.19	21.10
15	64QAM	1	74	19.22	19.25	19.17	21.10
15	64QAM	36	0	19.07	19.24	19.06	21.00
15	64QAM	36	20	19.06	19.16	19.13	21.00
15	64QAM	36	39	19.00	19.21	19.10	21.00
15	64QAM	75	0	19.01	19.25	19.06	21.00
15	256QAM	1	0	17.14	17.22	17.17	19.00
15	256QAM	1	37	17.14	17.27	17.06	19.00
15	256QAM	1	74	17.01	17.16	17.00	19.00
15	256QAM	36	0	17.02	17.12	17.01	19.00
15	256QAM	36	20	17.14	17.17	17.03	19.00
15	256QAM	36	39	17.06	17.23	17.08	19.00
15	256QAM	75	0	17.09	17.29	17.11	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	19.42	19.49	19.39	21.10
10	QPSK	1	25	19.11	19.17	19.11	21.10
10	QPSK	1	49	19.16	19.31	19.18	21.10
10	QPSK	25	0	19.28	19.35	19.24	21.10
10	QPSK	25	12	19.10	19.24	19.11	21.10
10	QPSK	25	25	19.22	19.24	19.16	21.10
10	QPSK	50	0	19.11	19.14	19.10	21.10
10	16QAM	1	0	19.11	19.20	19.12	21.10
10	16QAM	1	25	19.14	19.34	19.16	21.10
10	16QAM	1	49	19.10	19.15	19.12	21.10
10	16QAM	25	0	19.16	19.31	19.21	21.10
10	16QAM	25	12	19.11	19.27	19.10	21.10



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10	16QAM	25	25	19.10	19.19	19.11	21.10
10	16QAM	50	0	19.18	19.33	19.17	21.10
10	64QAM	1	0	19.14	19.27	19.19	21.10
10	64QAM	1	25	19.11	19.25	19.12	21.10
10	64QAM	1	49	19.11	19.28	19.15	21.10
10	64QAM	25	0	19.09	19.16	19.09	21.00
10	64QAM	25	12	19.03	19.29	19.04	21.00
10	64QAM	25	25	19.02	19.29	19.05	21.00
10	64QAM	50	0	19.02	19.26	19.12	21.00
10	256QAM	1	0	17.19	17.28	17.08	19.00
10	256QAM	1	25	17.19	17.35	17.07	19.00
10	256QAM	1	49	17.01	17.12	17.01	19.00
10	256QAM	25	0	17.01	17.15	17.00	19.00
10	256QAM	25	12	17.07	17.19	17.00	19.00
10	256QAM	25	25	17.00	17.24	17.08	19.00
10	256QAM	50	0	17.16	17.31	17.09	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	19.41	19.55	19.39	21.10
5	QPSK	1	12	19.10	19.20	19.11	21.10
5	QPSK	1	24	19.20	19.22	19.14	21.10
5	QPSK	12	0	19.27	19.37	19.26	21.10
5	QPSK	12	7	19.10	19.21	19.11	21.10
5	QPSK	12	13	19.14	19.23	19.11	21.10
5	QPSK	25	0	19.12	19.10	19.11	21.10
5	16QAM	1	0	19.11	19.15	19.10	21.10
5	16QAM	1	12	19.10	19.30	19.20	21.10
5	16QAM	1	24	19.14	19.20	19.16	21.10
5	16QAM	12	0	19.17	19.36	19.30	21.10
5	16QAM	12	7	19.11	19.22	19.11	21.10
5	16QAM	12	13	19.10	19.15	19.11	21.10
5	16QAM	25	0	19.16	19.41	19.15	21.10
5	64QAM	1	0	19.10	19.26	19.13	21.10
5	64QAM	1	12	19.10	19.29	19.16	21.10
5	64QAM	1	24	19.12	19.31	19.13	21.10
5	64QAM	12	0	19.10	19.20	19.07	21.00
5	64QAM	12	7	19.07	19.24	19.13	21.00
5	64QAM	12	13	19.01	19.30	19.01	21.00
5	64QAM	25	0	19.04	19.24	19.01	21.00
5	256QAM	1	0	17.12	17.25	17.16	19.00
5	256QAM	1	12	17.13	17.40	17.11	19.00
5	256QAM	1	24	17.00	17.09	17.02	19.00
5	256QAM	12	0	17.00	17.15	17.00	19.00
5	256QAM	12	7	17.12	17.14	17.06	19.00
5	256QAM	12	13	17.03	17.22	17.06	19.00
5	256QAM	25	0	17.14	17.32	17.03	19.00

【LTE Band 43 (96)_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	23.02	23.07	23.04	24.00
20	QPSK	1	49	22.85	22.94	22.79	24.00
20	QPSK	1	99	22.77	22.85	22.80	24.00
20	QPSK	50	0	22.06	22.12	22.10	23.00
20	QPSK	50	24	21.92	22.02	21.97	23.00
20	QPSK	50	50	21.99	22.08	21.90	23.00
20	QPSK	100	0	21.93	22.05	21.89	23.00
20	16QAM	1	0	21.89	22.01	21.95	23.00
20	16QAM	1	49	21.86	21.97	21.85	23.00
20	16QAM	1	99	21.93	22.05	21.93	23.00
20	16QAM	50	0	20.76	20.89	20.83	22.00
20	16QAM	50	24	20.97	21.06	21.01	22.00
20	16QAM	50	50	20.81	20.99	20.88	22.00
20	16QAM	100	0	20.78	20.97	20.85	22.00
20	64QAM	1	0	20.87	21.01	20.83	22.00
20	64QAM	1	49	20.90	21.00	20.86	22.00
20	64QAM	1	99	20.71	20.88	20.83	22.00
20	64QAM	50	0	19.91	19.99	19.88	21.00
20	64QAM	50	24	19.91	20.03	19.94	21.00
20	64QAM	50	50	19.78	19.86	19.79	21.00
20	64QAM	100	0	19.96	20.05	20.01	21.00



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20	256QAM	1	0	17.78	17.89	17.80	19.00
20	256QAM	1	49	17.86	17.99	17.89	19.00
20	256QAM	1	99	17.81	17.88	17.84	19.00
20	256QAM	50	0	17.75	17.92	17.76	19.00
20	256QAM	50	24	17.72	17.85	17.71	19.00
20	256QAM	50	50	17.72	17.91	17.87	19.00
20	256QAM	100	0	17.85	17.94	17.90	19.00
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	22.98	23.05	22.89	24.00
15	QPSK	1	37	22.74	22.81	22.73	24.00
15	QPSK	1	74	22.72	22.82	22.69	24.00
15	QPSK	36	0	21.96	22.07	21.96	23.00
15	QPSK	36	20	21.89	21.97	21.89	23.00
15	QPSK	36	39	21.90	22.05	21.88	23.00
15	QPSK	75	0	21.85	22.03	21.76	23.00
15	16QAM	1	0	21.79	21.98	21.93	23.00
15	16QAM	1	37	21.79	21.95	21.73	23.00
15	16QAM	1	74	21.89	22.04	21.88	23.00
15	16QAM	36	0	20.68	20.80	20.72	22.00
15	16QAM	36	20	20.92	20.91	20.93	22.00
15	16QAM	36	39	20.68	20.86	20.79	22.00
15	16QAM	75	0	20.75	20.88	20.73	22.00
15	64QAM	1	0	20.79	20.99	20.78	22.00
15	64QAM	1	37	20.82	20.89	20.80	22.00
15	64QAM	1	74	20.62	20.85	20.79	22.00
15	64QAM	36	0	19.88	19.91	19.84	21.00
15	64QAM	36	20	19.87	20.00	19.86	21.00
15	64QAM	36	39	19.71	19.82	19.75	21.00
15	64QAM	75	0	19.82	19.98	19.95	21.00
15	256QAM	1	0	17.66	17.75	17.65	19.00
15	256QAM	1	37	17.78	17.92	17.88	19.00
15	256QAM	1	74	17.75	17.74	17.78	19.00
15	256QAM	36	0	17.67	17.89	17.72	19.00
15	256QAM	36	20	17.66	17.73	17.64	19.00
15	256QAM	36	39	17.65	17.77	17.83	19.00
15	256QAM	75	0	17.73	17.86	17.84	19.00
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	23.01	22.95	22.96	24.00
10	QPSK	1	25	22.77	22.93	22.75	24.00
10	QPSK	1	49	22.72	22.75	22.77	24.00
10	QPSK	25	0	22.02	22.05	21.99	23.00
10	QPSK	25	12	21.91	21.98	21.95	23.00
10	QPSK	25	25	21.96	22.07	21.80	23.00
10	QPSK	50	0	21.81	22.04	21.74	23.00
10	16QAM	1	0	21.79	21.93	21.91	23.00
10	16QAM	1	25	21.84	21.84	21.82	23.00
10	16QAM	1	49	21.79	21.95	21.84	23.00
10	16QAM	25	0	20.70	20.88	20.78	22.00
10	16QAM	25	12	20.85	20.97	20.90	22.00
10	16QAM	25	25	20.76	20.91	20.84	22.00
10	16QAM	50	0	20.63	20.88	20.71	22.00
10	64QAM	1	0	20.83	20.92	20.73	22.00
10	64QAM	1	25	20.83	20.98	20.78	22.00
10	64QAM	1	49	20.62	20.83	20.74	22.00
10	64QAM	25	0	19.86	19.91	19.84	21.00
10	64QAM	25	12	19.88	19.97	19.82	21.00
10	64QAM	25	25	19.63	19.79	19.64	21.00
10	64QAM	50	0	19.88	19.96	19.98	21.00
10	256QAM	1	0	17.65	17.76	17.66	19.00
10	256QAM	1	25	17.76	17.92	17.80	19.00
10	256QAM	1	49	17.77	17.81	17.73	19.00
10	256QAM	25	0	17.61	17.86	17.75	19.00
10	256QAM	25	12	17.65	17.74	17.62	19.00
10	256QAM	25	25	17.64	17.82	17.73	19.00
10	256QAM	50	0	17.71	17.86	17.78	19.00
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	22.91	22.94	22.99	24.00
5	QPSK	1	12	22.74	22.84	22.71	24.00
5	QPSK	1	24	22.68	22.73	22.67	24.00
5	QPSK	12	0	21.93	22.08	21.97	23.00
5	QPSK	12	7	21.87	21.95	21.88	23.00
5	QPSK	12	13	21.97	22.05	21.82	23.00
5	QPSK	25	0	21.85	21.98	21.76	23.00
5	16QAM	1	0	21.79	21.89	21.80	23.00
5	16QAM	1	12	21.75	21.93	21.74	23.00



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5	16QAM	1	24	21.84	21.93	21.81	23.00
5	16QAM	12	0	20.71	20.81	20.80	22.00
5	16QAM	12	7	20.94	20.99	20.94	22.00
5	16QAM	12	13	20.71	20.90	20.77	22.00
5	16QAM	25	0	20.72	20.87	20.75	22.00
5	64QAM	1	0	20.83	20.90	20.77	22.00
5	64QAM	1	12	20.76	20.88	20.80	22.00
5	64QAM	1	24	20.67	20.81	20.82	22.00
5	64QAM	12	0	19.81	19.97	19.79	21.00
5	64QAM	12	7	19.81	19.95	19.83	21.00
5	64QAM	12	13	19.64	19.82	19.67	21.00
5	64QAM	25	0	19.86	20.00	19.99	21.00
5	256QAM	1	0	17.65	17.75	17.72	19.00
5	256QAM	1	12	17.85	17.87	17.85	19.00
5	256QAM	1	24	17.72	17.75	17.76	19.00
5	256QAM	12	0	17.66	17.89	17.70	19.00
5	256QAM	12	7	17.61	17.79	17.66	19.00
5	256QAM	12	13	17.64	17.89	17.82	19.00
5	256QAM	25	0	17.70	17.84	17.78	19.00

【LTE Band 48_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00



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15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00



【LTE Band 48_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00



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

【LTE Band 48_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00



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20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00



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5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00



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15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

**【LTE Band 48_Ant 4_DSI 12】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power 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	17.05	17.15		17.08	17.06	18.70
20	QPSK	1	49	16.97	17.00		16.96	16.92	18.70
20	QPSK	1	99	16.95	16.99		16.99	16.92	18.70
20	QPSK	50	0	17.00	17.12		16.98	16.93	18.70
20	QPSK	50	24	16.92	16.89		16.81	16.90	18.70
20	QPSK	50	50	16.90	16.81		16.90	16.89	18.70
20	QPSK	100	0	16.98	17.06		17.01	16.94	18.70
20	16QAM	1	0	16.98	16.99		17.01	17.01	18.70
20	16QAM	1	49	16.95	17.00		17.03	16.93	18.70
20	16QAM	1	99	16.99	17.05		17.03	16.99	18.70
20	16QAM	50	0	17.01	17.00		17.02	17.01	18.70
20	16QAM	50	24	16.91	17.03		16.96	16.92	18.70
20	16QAM	50	50	17.00	17.08		17.01	16.96	18.70
20	16QAM	100	0	17.02	17.06		17.01	16.93	18.70
20	64QAM	1	0	17.01	17.01		17.02	17.02	18.70
20	64QAM	1	49	16.94	17.02		16.97	16.98	18.70
20	64QAM	1	99	16.93	17.08		16.99	17.03	18.70
20	64QAM	50	0	16.96	16.98		16.99	16.94	18.70
20	64QAM	50	24	16.99	17.05		17.05	16.92	18.70
20	64QAM	50	50	17.00	17.05		17.02	16.92	18.70
20	64QAM	100	0	17.01	17.01		16.94	16.93	18.70
20	256QAM	1	0	16.91	17.07		17.02	17.01	18.70
20	256QAM	1	49	16.97	17.07		17.03	16.97	18.70
20	256QAM	1	99	16.90	17.10		16.97	17.00	18.70
20	256QAM	50	0	17.01	17.04		16.95	16.96	18.70
20	256QAM	50	24	17.01	17.09		17.01	17.01	18.70
20	256QAM	50	50	17.02	17.04		16.99	16.97	18.70
20	256QAM	100	0	16.98	17.04		16.98	17.00	18.70
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	16.95	17.02		16.95	16.95	18.70
15	QPSK	1	37	16.92	17.04		16.86	16.88	18.70
15	QPSK	1	74	16.80	16.96		16.89	16.87	18.70
15	QPSK	36	0	16.96	17.03		16.86	16.82	18.70
15	QPSK	36	20	16.89	16.96		16.95	16.92	18.70
15	QPSK	36	39	16.78	17.03		16.81	16.81	18.70
15	QPSK	75	0	16.90	16.98		16.91	16.82	18.70
15	16QAM	1	0	16.95	16.98		16.91	16.95	18.70
15	16QAM	1	37	16.89	16.96		16.88	16.92	18.70
15	16QAM	1	74	16.98	16.96		16.98	16.94	18.70
15	16QAM	36	0	16.98	16.85		16.92	16.94	18.70
15	16QAM	36	20	16.88	17.01		16.84	16.80	18.70
15	16QAM	36	39	16.89	16.98		16.89	16.87	18.70
15	16QAM	75	0	16.89	16.96		16.98	16.89	18.70
15	64QAM	1	0	16.88	16.96		16.97	16.97	18.70
15	64QAM	1	37	16.85	16.97		16.82	16.93	18.70
15	64QAM	1	74	16.86	16.93		16.95	16.88	18.70
15	64QAM	36	0	16.86	16.96		16.91	16.80	18.70
15	64QAM	36	20	16.87	16.92		16.94	16.82	18.70
15	64QAM	36	39	16.93	16.97		17.01	16.90	18.70
15	64QAM	75	0	16.88	16.97		16.83	16.86	18.70
15	256QAM	1	0	16.78	17.01		16.87	16.89	18.70
15	256QAM	1	37	16.95	16.96		16.97	16.90	18.70
15	256QAM	1	74	16.83	16.99		16.87	16.98	18.70
15	256QAM	36	0	16.98	16.91		16.91	16.87	18.70
15	256QAM	36	20	17.00	16.99		16.93	16.96	18.70
15	256QAM	36	39	16.91	16.99		16.87	16.83	18.70
15	256QAM	75	0	16.89	17.02		16.93	16.92	18.70
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	17.00	17.09		17.01	16.95	18.70
10	QPSK	1	25	16.91	17.06		16.89	16.90	18.70
10	QPSK	1	49	16.85	16.97		16.88	16.78	18.70
10	QPSK	25	0	16.99	17.07		16.83	16.79	18.70
10	QPSK	25	12	16.89	17.06		16.96	16.97	18.70
10	QPSK	25	25	16.79	16.91		16.84	16.90	18.70
10	QPSK	50	0	16.91	16.95		16.97	16.93	18.70
10	16QAM	1	0	16.91	16.96		16.95	16.98	18.70
10	16QAM	1	25	16.83	16.91		17.00	16.82	18.70
10	16QAM	1	49	16.88	16.97		17.02	16.93	18.70



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10	16QAM	25	0	16.99	16.92		16.89	16.98	18.70
10	16QAM	25	12	16.78	17.02		16.88	16.78	18.70
10	16QAM	25	25	16.97	17.00		16.93	16.94	18.70
10	16QAM	50	0	16.91	16.97		16.92	16.89	18.70
10	64QAM	1	0	16.86	16.93		16.89	16.93	18.70
10	64QAM	1	25	16.91	16.98		16.95	16.91	18.70
10	64QAM	1	49	16.86	16.96		16.95	16.95	18.70
10	64QAM	25	0	16.92	16.86		16.96	16.92	18.70
10	64QAM	25	12	16.97	17.03		17.02	16.88	18.70
10	64QAM	25	25	16.97	16.91		17.00	16.91	18.70
10	64QAM	50	0	16.87	16.88		16.83	16.82	18.70
10	256QAM	1	0	16.83	16.93		16.98	16.96	18.70
10	256QAM	1	25	16.90	16.97		16.92	16.87	18.70
10	256QAM	1	49	16.85	17.04		16.84	16.86	18.70
10	256QAM	25	0	16.88	16.93		16.82	16.87	18.70
10	256QAM	25	12	16.92	17.07		16.99	16.99	18.70
10	256QAM	25	25	16.92	16.92		16.92	16.83	18.70
10	256QAM	50	0	16.89	16.90		16.90	16.98	18.70
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	17.03	17.02		17.04	16.96	18.70
5	QPSK	1	12	16.83	17.02		16.92	16.79	18.70
5	QPSK	1	24	16.93	16.84		16.95	16.88	18.70
5	QPSK	12	0	16.86	17.02		16.88	16.82	18.70
5	QPSK	12	7	16.80	17.01		16.98	16.96	18.70
5	QPSK	12	13	16.88	16.96		16.85	16.81	18.70
5	QPSK	25	0	16.86	16.93		16.91	16.90	18.70
5	16QAM	1	0	16.83	16.91		16.95	16.91	18.70
5	16QAM	1	12	16.87	16.96		16.96	16.82	18.70
5	16QAM	1	24	16.94	16.94		16.95	16.89	18.70
5	16QAM	12	0	16.87	16.89		16.94	16.89	18.70
5	16QAM	12	7	16.78	16.96		16.85	16.79	18.70
5	16QAM	12	13	16.95	16.98		16.99	16.81	18.70
5	16QAM	25	0	16.96	16.94		16.98	16.91	18.70
5	64QAM	1	0	16.87	16.87		16.88	16.92	18.70
5	64QAM	1	12	16.85	16.94		16.93	16.96	18.70
5	64QAM	1	24	16.89	17.07		16.89	16.91	18.70
5	64QAM	12	0	16.83	16.91		16.95	16.92	18.70
5	64QAM	12	7	16.89	17.01		16.99	16.88	18.70
5	64QAM	12	13	16.86	16.98		17.01	16.82	18.70
5	64QAM	25	0	16.96	16.98		16.87	16.85	18.70
5	256QAM	1	0	16.77	17.05		16.92	16.95	18.70
5	256QAM	1	12	16.88	17.05		16.98	16.91	18.70
5	256QAM	1	24	16.81	16.98		16.94	16.91	18.70
5	256QAM	12	0	16.89	16.99		16.88	16.89	18.70
5	256QAM	12	7	16.87	16.99		16.99	17.00	18.70
5	256QAM	12	13	16.97	16.96		16.91	16.91	18.70
5	256QAM	25	0	16.86	16.97		16.86	16.91	18.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00



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20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00
15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00



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5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00

【LTE Band 48_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.97	23.15		22.95	23.09	24.00
20	QPSK	1	49	22.70	22.78		22.77	22.89	24.00
20	QPSK	1	99	22.61	22.72		22.65	22.86	24.00
20	QPSK	50	0	22.11	22.17		22.03	22.09	23.00
20	QPSK	50	24	21.73	21.77		21.69	21.84	23.00
20	QPSK	50	50	21.72	21.76		21.80	21.96	23.00
20	QPSK	100	0	21.75	22.11		21.78	21.97	23.00
20	16QAM	1	0	21.69	21.80		21.79	21.96	23.00
20	16QAM	1	49	21.80	21.79		21.78	21.94	23.00
20	16QAM	1	99	21.54	21.64		21.67	21.82	23.00
20	16QAM	50	0	20.64	20.79		20.82	20.85	22.00
20	16QAM	50	24	20.72	20.85		20.83	20.90	22.00
20	16QAM	50	50	20.83	20.94		20.86	21.06	22.00
20	16QAM	100	0	20.72	20.78		20.81	20.95	22.00
20	64QAM	1	0	20.89	20.89		20.85	21.00	22.00
20	64QAM	1	49	20.62	20.77		20.66	20.77	22.00
20	64QAM	1	99	20.77	20.89		20.89	20.99	22.00
20	64QAM	50	0	19.84	19.94		19.90	20.00	21.00
20	64QAM	50	24	19.66	19.66		19.75	19.86	21.00
20	64QAM	50	50	19.69	19.71		19.80	19.88	21.00
20	64QAM	100	0	19.75	19.82		19.90	20.00	21.00
20	256QAM	1	0	17.71	17.74		17.73	17.90	19.00
20	256QAM	1	49	17.67	17.80		17.67	17.84	19.00
20	256QAM	1	99	17.80	17.96		17.96	17.99	19.00
20	256QAM	50	0	17.86	17.92		17.89	18.07	19.00
20	256QAM	50	24	17.72	17.82		17.90	18.02	19.00
20	256QAM	50	50	17.72	17.86		17.80	17.98	19.00
20	256QAM	100	0	17.68	17.72		17.69	17.81	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.74	22.84		22.85	22.94	24.00
15	QPSK	1	37	22.68	22.74		22.64	22.86	24.00
15	QPSK	1	74	22.49	22.64		22.50	22.71	24.00
15	QPSK	36	0	22.03	22.08		21.90	21.98	23.00
15	QPSK	36	20	21.59	21.72		21.58	21.81	23.00
15	QPSK	36	39	21.61	21.70		21.73	21.89	23.00
15	QPSK	75	0	21.73	21.74		21.73	21.93	23.00
15	16QAM	1	0	21.55	21.72		21.77	21.93	23.00
15	16QAM	1	37	21.79	21.70		21.64	21.82	23.00
15	16QAM	1	74	21.51	21.50		21.54	21.79	23.00
15	16QAM	36	0	20.55	20.67		20.79	20.80	22.00
15	16QAM	36	20	20.58	20.82		20.72	20.79	22.00
15	16QAM	36	39	20.69	20.87		20.82	20.92	22.00
15	16QAM	75	0	20.60	20.76		20.77	20.94	22.00
15	64QAM	1	0	20.84	20.76		20.76	20.88	22.00
15	64QAM	1	37	20.52	20.76		20.59	20.64	22.00



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15	64QAM	1	74	20.71	20.80		20.77	20.94	22.00
15	64QAM	36	0	19.82	19.88		19.77	19.93	21.00
15	64QAM	36	20	19.59	19.58		19.61	19.71	21.00
15	64QAM	36	39	19.63	19.64		19.78	19.85	21.00
15	64QAM	75	0	19.67	19.67		19.76	19.92	21.00
15	256QAM	1	0	17.60	17.73		17.59	17.79	19.00
15	256QAM	1	37	17.53	17.70		17.58	17.79	19.00
15	256QAM	1	74	17.69	17.94		17.90	17.93	19.00
15	256QAM	36	0	17.71	17.84		17.82	18.02	19.00
15	256QAM	36	20	17.65	17.74		17.86	17.96	19.00
15	256QAM	36	39	17.71	17.78		17.70	17.89	19.00
15	256QAM	75	0	17.55	17.62		17.63	17.72	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.83	22.95		22.92	23.01	24.00
10	QPSK	1	25	22.56	22.76		22.74	22.84	24.00
10	QPSK	1	49	22.59	22.57		22.52	22.82	24.00
10	QPSK	25	0	21.97	22.03		22.00	21.99	23.00
10	QPSK	25	12	21.68	21.72		21.67	21.83	23.00
10	QPSK	25	25	21.67	21.61		21.67	21.93	23.00
10	QPSK	50	0	21.66	21.87		21.75	21.88	23.00
10	16QAM	1	0	21.64	21.66		21.70	21.93	23.00
10	16QAM	1	25	21.78	21.74		21.73	21.79	23.00
10	16QAM	1	49	21.52	21.55		21.57	21.78	23.00
10	16QAM	25	0	20.59	20.66		20.77	20.78	22.00
10	16QAM	25	12	20.65	20.72		20.74	20.81	22.00
10	16QAM	25	25	20.76	20.80		20.79	20.99	22.00
10	16QAM	50	0	20.61	20.64		20.75	20.83	22.00
10	64QAM	1	0	20.76	20.79		20.78	20.91	22.00
10	64QAM	1	25	20.48	20.74		20.56	20.64	22.00
10	64QAM	1	49	20.71	20.79		20.84	20.96	22.00
10	64QAM	25	0	19.75	19.81		19.87	19.87	21.00
10	64QAM	25	12	19.59	19.65		19.67	19.78	21.00
10	64QAM	25	25	19.57	19.63		19.69	19.85	21.00
10	64QAM	50	0	19.67	19.72		19.76	19.96	21.00
10	256QAM	1	0	17.64	17.68		17.72	17.88	19.00
10	256QAM	1	25	17.64	17.75		17.58	17.69	19.00
10	256QAM	1	49	17.68	17.94		17.87	17.85	19.00
10	256QAM	25	0	17.77	17.90		17.85	17.99	19.00
10	256QAM	25	12	17.65	17.76		17.80	17.91	19.00
10	256QAM	25	25	17.60	17.83		17.76	17.91	19.00
10	256QAM	50	0	17.58	17.70		17.63	17.77	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.75	22.83		22.94	22.98	24.00
5	QPSK	1	12	22.62	22.76		22.69	22.82	24.00
5	QPSK	1	24	22.55	22.66		22.50	22.83	24.00
5	QPSK	12	0	21.97	22.11		21.92	21.98	23.00
5	QPSK	12	7	21.65	21.70		21.64	21.77	23.00
5	QPSK	12	13	21.61	21.62		21.74	21.85	23.00
5	QPSK	25	0	21.67	21.85		21.74	21.95	23.00
5	16QAM	1	0	21.64	21.72		21.71	21.88	23.00
5	16QAM	1	12	21.76	21.67		21.71	21.86	23.00
5	16QAM	1	24	21.43	21.60		21.58	21.69	23.00
5	16QAM	12	0	20.52	20.70		20.68	20.77	22.00
5	16QAM	12	7	20.59	20.81		20.78	20.80	22.00
5	16QAM	12	13	20.75	20.83		20.78	20.94	22.00
5	16QAM	25	0	20.70	20.69		20.78	20.86	22.00
5	64QAM	1	0	20.78	20.83		20.70	20.89	22.00
5	64QAM	1	12	20.59	20.68		20.63	20.62	22.00
5	64QAM	1	24	20.76	20.82		20.74	20.97	22.00
5	64QAM	12	0	19.79	19.81		19.77	19.88	21.00
5	64QAM	12	7	19.52	19.51		19.62	19.81	21.00
5	64QAM	12	13	19.55	19.61		19.68	19.74	21.00
5	64QAM	25	0	19.73	19.68		19.85	19.95	21.00
5	256QAM	1	0	17.63	17.66		17.59	17.88	19.00
5	256QAM	1	12	17.60	17.71		17.56	17.70	19.00
5	256QAM	1	24	17.76	17.89		17.86	17.85	19.00
5	256QAM	12	0	17.82	17.80		17.76	17.94	19.00
5	256QAM	12	7	17.65	17.79		17.79	17.87	19.00
5	256QAM	12	13	17.60	17.72		17.75	17.87	19.00
5	256QAM	25	0	17.63	17.59		17.57	17.68	19.00



【LTE Band 48_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.98		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00



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

【LTE Band 48_Ant 6_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.98		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00



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20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00
10	16QAM	25	0	19.48	19.38		19.38	19.34	21.00
10	16QAM	25	12	19.66	19.59		19.43	19.61	21.00
10	16QAM	25	25	19.47	19.52		19.29	19.43	21.00
10	16QAM	50	0	19.61	19.54		19.45	19.55	21.00
10	64QAM	1	0	19.40	19.45		19.49	19.51	21.00
10	64QAM	1	25	19.49	19.50		19.42	19.48	21.00
10	64QAM	1	49	19.67	19.45		19.35	19.58	21.00
10	64QAM	25	0	18.37	18.41		18.26	18.27	20.00
10	64QAM	25	12	18.41	18.44		18.27	18.49	20.00
10	64QAM	25	25	18.39	18.43		18.30	18.41	20.00
10	64QAM	50	0	18.50	18.54		18.37	18.47	20.00
10	256QAM	1	0	16.45	16.45		16.33	16.44	18.00
10	256QAM	1	25	16.66	16.62		16.59	16.69	18.00
10	256QAM	1	49	16.48	16.56		16.48	16.52	18.00
10	256QAM	25	0	16.59	16.57		16.41	16.56	18.00
10	256QAM	25	12	16.37	16.47		16.29	16.45	18.00
10	256QAM	25	25	16.49	16.54		16.43	16.65	18.00
10	256QAM	50	0	16.55	16.62		16.34	16.62	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	21.63	21.65		21.54	21.63	23.00
5	QPSK	1	12	21.32	21.40		21.24	21.32	23.00
5	QPSK	1	24	21.40	21.29		21.26	21.32	23.00
5	QPSK	12	0	20.61	20.74		20.61	20.67	22.00
5	QPSK	12	7	20.54	20.53		20.26	20.47	22.00
5	QPSK	12	13	20.35	20.43		20.31	20.37	22.00
5	QPSK	25	0	20.62	20.64		20.52	20.55	22.00



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5	16QAM	1	0	20.50	20.49		20.39	20.46	22.00
5	16QAM	1	12	20.47	20.43		20.40	20.41	22.00
5	16QAM	1	24	20.46	20.46		20.22	20.46	22.00
5	16QAM	12	0	19.50	19.38		19.30	19.46	21.00
5	16QAM	12	7	19.54	19.49		19.42	19.63	21.00
5	16QAM	12	13	19.49	19.48		19.38	19.38	21.00
5	16QAM	25	0	19.61	19.46		19.40	19.51	21.00
5	64QAM	1	0	19.48	19.55		19.46	19.55	21.00
5	64QAM	1	12	19.57	19.53		19.46	19.43	21.00
5	64QAM	1	24	19.57	19.55		19.37	19.57	21.00
5	64QAM	12	0	18.31	18.43		18.30	18.26	20.00
5	64QAM	12	7	18.42	18.37		18.23	18.44	20.00
5	64QAM	12	13	18.42	18.39		18.26	18.46	20.00
5	64QAM	25	0	18.50	18.48		18.27	18.54	20.00
5	256QAM	1	0	16.47	16.37		16.37	16.49	18.00
5	256QAM	1	12	16.67	16.65		16.56	16.61	18.00
5	256QAM	1	24	16.60	16.59		16.48	16.48	18.00
5	256QAM	12	0	16.62	16.47		16.41	16.57	18.00
5	256QAM	12	7	16.32	16.47		16.30	16.44	18.00
5	256QAM	12	13	16.57	16.55		16.42	16.57	18.00
5	256QAM	25	0	16.51	16.52		16.40	16.49	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	20.08		20.03	19.98	21.50
20	QPSK	1	49	19.78	19.86		19.73	19.70	21.50
20	QPSK	1	99	19.75	19.86		19.72	19.63	21.50
20	QPSK	50	0	19.81	19.91		19.82	19.90	21.50
20	QPSK	50	24	19.73	19.90		19.74	19.75	21.50
20	QPSK	50	50	19.78	19.86		19.79	19.64	21.50
20	QPSK	100	0	19.68	19.80		19.73	19.77	21.50
20	16QAM	1	0	19.72	19.88		19.75	19.66	21.50
20	16QAM	1	49	19.86	19.93		19.76	19.75	21.50
20	16QAM	1	99	19.64	19.82		19.74	19.59	21.50
20	16QAM	50	0	19.39	19.46		19.40	19.24	20.80
20	16QAM	50	24	19.26	19.34		19.23	19.17	20.80
20	16QAM	50	50	19.24	19.31		19.12	19.08	20.80
20	16QAM	100	0	19.35	19.41		19.28	19.17	20.80
20	64QAM	1	0	19.41	19.46		19.38	19.21	20.80
20	64QAM	1	49	19.28	19.42		19.32	19.28	20.80
20	64QAM	1	99	19.29	19.33		19.24	19.18	20.80
20	64QAM	50	0	18.29	18.39		18.22	18.22	19.80
20	64QAM	50	24	18.26	18.36		18.21	18.20	19.80
20	64QAM	50	50	18.28	18.37		18.26	18.16	19.80
20	64QAM	100	0	18.24	18.40		18.25	18.23	19.80
20	256QAM	1	0	16.30	16.45		16.31	16.33	17.80
20	256QAM	1	49	16.35	16.44		16.38	16.35	17.80
20	256QAM	1	99	16.40	16.46		16.39	16.33	17.80
20	256QAM	50	0	16.33	16.40		16.26	16.27	17.80
20	256QAM	50	24	16.18	16.35		16.16	16.14	17.80
20	256QAM	50	50	16.22	16.36		16.24	16.15	17.80
20	256QAM	100	0	16.21	16.34		16.26	16.22	17.80
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.92	19.99		19.96	19.86	21.50
15	QPSK	1	37	19.69	19.84		19.63	19.63	21.50
15	QPSK	1	74	19.66	19.77		19.61	19.58	21.50
15	QPSK	36	0	19.75	19.83		19.67	19.84	21.50
15	QPSK	36	20	19.63	19.83		19.65	19.62	21.50
15	QPSK	36	39	19.64	19.71		19.70	19.60	21.50
15	QPSK	75	0	19.57	19.67		19.64	19.64	21.50
15	16QAM	1	0	19.59	19.80		19.72	19.59	21.50
15	16QAM	1	37	19.85	19.80		19.61	19.74	21.50
15	16QAM	1	74	19.51	19.74		19.66	19.50	21.50
15	16QAM	36	0	19.25	19.32		19.27	19.20	20.80
15	16QAM	36	20	19.21	19.19		19.19	19.06	20.80
15	16QAM	36	39	19.10	19.27		19.05	19.00	20.80
15	16QAM	75	0	19.23	19.35		19.26	19.02	20.80
15	64QAM	1	0	19.32	19.42		19.29	19.14	20.80
15	64QAM	1	37	19.18	19.41		19.18	19.17	20.80



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15	64QAM	1	74	19.16	19.26		19.14	19.03	20.80
15	64QAM	36	0	18.18	18.32		18.20	18.10	19.80
15	64QAM	36	20	18.20	18.22		18.18	18.18	19.80
15	64QAM	36	39	18.24	18.25		18.19	18.06	19.80
15	64QAM	75	0	18.17	18.31		18.16	18.14	19.80
15	256QAM	1	0	16.28	16.43		16.29	16.29	17.80
15	256QAM	1	37	16.27	16.34		16.36	16.26	17.80
15	256QAM	1	74	16.32	16.38		16.29	16.31	17.80
15	256QAM	36	0	16.21	16.34		16.20	16.20	17.80
15	256QAM	36	20	16.10	16.34		16.10	16.12	17.80
15	256QAM	36	39	16.11	16.23		16.14	16.01	17.80
15	256QAM	75	0	16.07	16.32		16.18	16.20	17.80
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	19.97	20.02		19.99	19.94	21.50
10	QPSK	1	25	19.71	19.78		19.59	19.58	21.50
10	QPSK	1	49	19.68	19.83		19.62	19.51	21.50
10	QPSK	25	0	19.78	19.79		19.74	19.86	21.50
10	QPSK	25	12	19.62	19.89		19.61	19.64	21.50
10	QPSK	25	25	19.68	19.82		19.77	19.54	21.50
10	QPSK	50	0	19.60	19.74		19.59	19.64	21.50
10	16QAM	1	0	19.63	19.74		19.73	19.55	21.50
10	16QAM	1	25	19.80	19.79		19.62	19.63	21.50
10	16QAM	1	49	19.51	19.71		19.65	19.52	21.50
10	16QAM	25	0	19.35	19.42		19.32	19.09	20.80
10	16QAM	25	12	19.19	19.30		19.21	19.04	20.80
10	16QAM	25	25	19.16	19.21		19.09	19.00	20.80
10	16QAM	50	0	19.34	19.37		19.21	19.10	20.80
10	64QAM	1	0	19.28	19.31		19.34	19.18	20.80
10	64QAM	1	25	19.16	19.37		19.31	19.18	20.80
10	64QAM	1	49	19.20	19.29		19.19	19.09	20.80
10	64QAM	25	0	18.23	18.27		18.08	18.10	19.80
10	64QAM	25	12	18.24	18.26		18.12	18.17	19.80
10	64QAM	25	25	18.14	18.25		18.16	18.12	19.80
10	64QAM	50	0	18.11	18.37		18.14	18.15	19.80
10	256QAM	1	0	16.28	16.42		16.21	16.30	17.80
10	256QAM	1	25	16.30	16.37		16.28	16.23	17.80
10	256QAM	1	49	16.39	16.44		16.38	16.19	17.80
10	256QAM	25	0	16.19	16.28		16.24	16.13	17.80
10	256QAM	25	12	16.16	16.34		16.04	16.00	17.80
10	256QAM	25	25	16.14	16.32		16.14	16.09	17.80
10	256QAM	50	0	16.13	16.26		16.15	16.11	17.80
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	19.92	20.00		19.92	19.95	21.50
5	QPSK	1	12	19.74	19.72		19.65	19.62	21.50
5	QPSK	1	24	19.62	19.81		19.59	19.50	21.50
5	QPSK	12	0	19.69	19.85		19.69	19.85	21.50
5	QPSK	12	7	19.61	19.87		19.70	19.73	21.50
5	QPSK	12	13	19.71	19.73		19.69	19.63	21.50
5	QPSK	25	0	19.59	19.77		19.60	19.67	21.50
5	16QAM	1	0	19.69	19.80		19.70	19.63	21.50
5	16QAM	1	12	19.80	19.82		19.67	19.62	21.50
5	16QAM	1	24	19.55	19.78		19.65	19.51	21.50
5	16QAM	12	0	19.27	19.40		19.33	19.12	20.80
5	16QAM	12	7	19.22	19.20		19.11	19.10	20.80
5	16QAM	12	13	19.15	19.20		19.02	19.03	20.80
5	16QAM	25	0	19.25	19.33		19.25	19.02	20.80
5	64QAM	1	0	19.36	19.40		19.27	19.15	20.80
5	64QAM	1	12	19.21	19.28		19.29	19.13	20.80
5	64QAM	1	24	19.20	19.24		19.12	19.12	20.80
5	64QAM	12	0	18.18	18.34		18.19	18.10	19.80
5	64QAM	12	7	18.15	18.23		18.16	18.08	19.80
5	64QAM	12	13	18.20	18.30		18.15	18.11	19.80
5	64QAM	25	0	18.23	18.26		18.19	18.13	19.80
5	256QAM	1	0	16.20	16.32		16.22	16.18	17.80
5	256QAM	1	12	16.26	16.41		16.26	16.25	17.80
5	256QAM	1	24	16.34	16.40		16.37	16.19	17.80
5	256QAM	12	0	16.29	16.38		16.20	16.17	17.80
5	256QAM	12	7	16.07	16.29		16.12	16.06	17.80
5	256QAM	12	13	16.13	16.31		16.19	16.05	17.80
5	256QAM	25	0	16.18	16.22		16.20	16.10	17.80



【LTE Band 48_Ant 6_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.98		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00



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

【LTE Band 48_Ant 6_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	15.36	15.48		15.36	15.37	17.10
20	QPSK	1	49	15.21	15.32		15.31	15.29	17.10
20	QPSK	1	99	15.27	15.35		15.29	15.24	17.10
20	QPSK	50	0	15.24	15.38		15.23	15.32	17.10
20	QPSK	50	24	15.21	15.22		15.19	15.17	17.10
20	QPSK	50	50	15.21	15.21		15.18	15.15	17.10
20	QPSK	100	0	15.28	15.35		15.32	15.28	17.10
20	16QAM	1	0	15.26	15.28		15.28	15.23	17.10
20	16QAM	1	49	15.29	15.28		15.21	15.27	17.10
20	16QAM	1	99	15.22	15.26		15.22	15.26	17.10
20	16QAM	50	0	15.25	15.31		15.24	15.25	17.10
20	16QAM	50	24	15.23	15.32		15.26	15.27	17.10
20	16QAM	50	50	15.31	15.26		15.23	15.34	17.10
20	16QAM	100	0	15.28	15.36		15.30	15.31	17.10
20	64QAM	1	0	15.31	15.30		15.29	15.24	17.10
20	64QAM	1	49	15.31	15.26		15.26	15.30	17.10
20	64QAM	1	99	15.30	15.29		15.28	15.26	17.10
20	64QAM	50	0	15.23	15.31		15.25	15.29	17.10
20	64QAM	50	24	15.29	15.34		15.30	15.28	17.10



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20	64QAM	50	50	15.23	15.28		15.30	15.30	17.10
20	64QAM	100	0	15.30	15.34		15.24	15.27	17.10
20	256QAM	1	0	13.62	13.74		13.63	13.63	15.10
20	256QAM	1	49	13.68	13.72		13.70	13.71	15.10
20	256QAM	1	99	13.61	13.76		13.70	13.64	15.10
20	256QAM	50	0	13.71	13.68		13.67	13.65	15.10
20	256QAM	50	24	13.71	13.76		13.62	13.62	15.10
20	256QAM	50	50	13.62	13.72		13.66	13.70	15.10
20	256QAM	100	0	13.69	13.73		13.70	13.73	15.10
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	15.27	15.35		15.31	15.24	17.10
15	QPSK	1	37	15.13	15.18		15.18	15.15	17.10
15	QPSK	1	74	15.19	15.31		15.26	15.17	17.10
15	QPSK	36	0	15.12	15.29		15.19	15.30	17.10
15	QPSK	36	20	15.15	15.10		15.11	15.11	17.10
15	QPSK	36	39	15.12	15.11		15.15	15.11	17.10
15	QPSK	75	0	15.26	15.26		15.19	15.13	17.10
15	16QAM	1	0	15.22	15.21		15.24	15.10	17.10
15	16QAM	1	37	15.19	15.16		15.19	15.13	17.10
15	16QAM	1	74	15.12	15.15		15.20	15.23	17.10
15	16QAM	36	0	15.16	15.25		15.12	15.13	17.10
15	16QAM	36	20	15.12	15.26		15.12	15.20	17.10
15	16QAM	36	39	15.25	15.22		15.10	15.31	17.10
15	16QAM	75	0	15.22	15.30		15.19	15.29	17.10
15	64QAM	1	0	15.25	15.26		15.14	15.12	17.10
15	64QAM	1	37	15.29	15.20		15.11	15.25	17.10
15	64QAM	1	74	15.21	15.24		15.15	15.20	17.10
15	64QAM	36	0	15.21	15.27		15.20	15.19	17.10
15	64QAM	36	20	15.28	15.27		15.27	15.16	17.10
15	64QAM	36	39	15.11	15.24		15.15	15.27	17.10
15	64QAM	75	0	15.16	15.28		15.21	15.22	17.10
15	256QAM	1	0	13.60	13.64		13.55	13.57	15.10
15	256QAM	1	37	13.55	13.65		13.67	13.69	15.10
15	256QAM	1	74	13.47	13.64		13.59	13.54	15.10
15	256QAM	36	0	13.67	13.61		13.59	13.64	15.10
15	256QAM	36	20	13.65	13.73		13.48	13.57	15.10
15	256QAM	36	39	13.50	13.60		13.53	13.68	15.10
15	256QAM	75	0	13.59	13.63		13.67	13.68	15.10
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	15.33	15.38		15.30	15.29	17.10
10	QPSK	1	25	15.20	15.30		15.25	15.17	17.10
10	QPSK	1	49	15.19	15.22		15.22	15.13	17.10
10	QPSK	25	0	15.19	15.34		15.12	15.24	17.10
10	QPSK	25	12	15.13	15.12		15.13	15.10	17.10
10	QPSK	25	25	15.10	15.15		15.16	15.11	17.10
10	QPSK	50	0	15.25	15.26		15.18	15.23	17.10
10	16QAM	1	0	15.22	15.18		15.14	15.22	17.10
10	16QAM	1	25	15.27	15.19		15.10	15.15	17.10
10	16QAM	1	49	15.21	15.20		15.17	15.13	17.10
10	16QAM	25	0	15.18	15.21		15.22	15.13	17.10
10	16QAM	25	12	15.13	15.26		15.24	15.21	17.10
10	16QAM	25	25	15.28	15.13		15.19	15.20	17.10
10	16QAM	50	0	15.19	15.22		15.20	15.28	17.10
10	64QAM	1	0	15.19	15.29		15.26	15.21	17.10
10	64QAM	1	25	15.21	15.22		15.23	15.27	17.10
10	64QAM	1	49	15.17	15.28		15.19	15.24	17.10
10	64QAM	25	0	15.13	15.21		15.16	15.26	17.10
10	64QAM	25	12	15.15	15.21		15.25	15.20	17.10
10	64QAM	25	25	15.10	15.16		15.22	15.26	17.10
10	64QAM	50	0	15.25	15.33		15.13	15.21	17.10
10	256QAM	1	0	13.53	13.71		13.61	13.56	15.10
10	256QAM	1	25	13.65	13.69		13.59	13.62	15.10
10	256QAM	1	49	13.51	13.67		13.67	13.58	15.10
10	256QAM	25	0	13.56	13.67		13.60	13.55	15.10
10	256QAM	25	12	13.61	13.62		13.55	13.59	15.10
10	256QAM	25	25	13.57	13.65		13.54	13.62	15.10
10	256QAM	50	0	13.61	13.61		13.57	13.64	15.10
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	15.23	15.34		15.22	15.25	17.10
5	QPSK	1	12	15.10	15.30		15.22	15.24	17.10
5	QPSK	1	24	15.16	15.21		15.27	15.23	17.10
5	QPSK	12	0	15.11	15.34		15.10	15.18	17.10
5	QPSK	12	7	15.16	15.15		15.10	15.13	17.10
5	QPSK	12	13	15.12	15.15		15.11	15.12	17.10
5	QPSK	25	0	15.14	15.33		15.23	15.26	17.10



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5	16QAM	1	0	15.17	15.21		15.21	15.10	17.10
5	16QAM	1	12	15.27	15.22		15.15	15.18	17.10
5	16QAM	1	24	15.17	15.19		15.13	15.24	17.10
5	16QAM	12	0	15.12	15.21		15.11	15.11	17.10
5	16QAM	12	7	15.13	15.24		15.24	15.22	17.10
5	16QAM	12	13	15.18	15.13		15.12	15.31	17.10
5	16QAM	25	0	15.15	15.33		15.21	15.29	17.10
5	64QAM	1	0	15.27	15.23		15.18	15.22	17.10
5	64QAM	1	12	15.16	15.20		15.20	15.15	17.10
5	64QAM	1	24	15.28	15.23		15.22	15.24	17.10
5	64QAM	12	0	15.21	15.17		15.11	15.26	17.10
5	64QAM	12	7	15.14	15.22		15.27	15.18	17.10
5	64QAM	12	13	15.21	15.22		15.27	15.22	17.10
5	64QAM	25	0	15.23	15.20		15.20	15.20	17.10
5	256QAM	1	0	13.53	13.63		13.49	13.55	15.10
5	256QAM	1	12	13.66	13.58		13.61	13.60	15.10
5	256QAM	1	24	13.51	13.69		13.67	13.58	15.10
5	256QAM	12	0	13.57	13.59		13.59	13.53	15.10
5	256QAM	12	7	13.66	13.67		13.58	13.48	15.10
5	256QAM	12	13	13.55	13.62		13.63	13.69	15.10
5	256QAM	25	0	13.55	13.58		13.61	13.72	15.10

【LTE Band 48_Ant 6_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	20.05	20.08		20.03	19.98	21.50
20	QPSK	1	49	19.78	19.86		19.73	19.70	21.50
20	QPSK	1	99	19.75	19.86		19.72	19.70	21.50
20	QPSK	50	0	19.81	19.91		19.82	19.90	21.50
20	QPSK	50	24	19.73	19.90		19.74	19.75	21.50
20	QPSK	50	50	19.78	19.86		19.79	19.78	21.50
20	QPSK	100	0	19.72	19.80		19.73	19.77	21.50
20	16QAM	1	0	19.72	19.88		19.75	19.77	21.50
20	16QAM	1	49	19.86	19.93		19.76	19.75	21.50
20	16QAM	1	99	19.76	19.82		19.74	19.74	21.50
20	16QAM	50	0	19.39	19.46		19.40	19.24	20.80
20	16QAM	50	24	19.26	19.34		19.23	19.17	20.80
20	16QAM	50	50	19.24	19.31		19.12	19.08	20.80
20	16QAM	100	0	19.35	19.41		19.28	19.17	20.80
20	64QAM	1	0	19.41	19.46		19.38	19.21	20.80
20	64QAM	1	49	19.28	19.42		19.32	19.28	20.80
20	64QAM	1	99	19.29	19.33		19.24	19.18	20.80
20	64QAM	50	0	18.29	18.39		18.22	18.22	19.80
20	64QAM	50	24	18.26	18.36		18.21	18.20	19.80
20	64QAM	50	50	18.28	18.37		18.26	18.16	19.80
20	64QAM	100	0	18.24	18.40		18.25	18.23	19.80
20	256QAM	1	0	16.30	16.45		16.31	16.33	17.80
20	256QAM	1	49	16.35	16.44		16.38	16.35	17.80
20	256QAM	1	99	16.40	16.46		16.39	16.33	17.80
20	256QAM	50	0	16.33	16.40		16.26	16.27	17.80
20	256QAM	50	24	16.18	16.35		16.16	16.14	17.80
20	256QAM	50	50	16.22	16.36		16.24	16.15	17.80
20	256QAM	100	0	16.21	16.34		16.26	16.22	17.80
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	19.92	19.98		19.96	19.86	21.50
15	QPSK	1	37	19.72	19.80		19.70	19.70	21.50
15	QPSK	1	74	19.70	19.79		19.71	19.70	21.50
15	QPSK	36	0	19.76	19.76		19.70	19.83	21.50
15	QPSK	36	20	19.71	19.84		19.71	19.71	21.50
15	QPSK	36	39	19.70	19.78		19.77	19.70	21.50
15	QPSK	75	0	19.70	19.70		19.71	19.75	21.50
15	16QAM	1	0	19.71	19.86		19.70	19.74	21.50
15	16QAM	1	37	19.78	19.90		19.73	19.73	21.50
15	16QAM	1	74	19.71	19.71		19.71	19.71	21.50
15	16QAM	36	0	19.25	19.43		19.34	19.17	20.80
15	16QAM	36	20	19.12	19.25		19.19	19.12	20.80
15	16QAM	36	39	19.12	19.29		19.05	19.02	20.80
15	16QAM	75	0	19.27	19.27		19.25	19.15	20.80
15	64QAM	1	0	19.32	19.41		19.34	19.19	20.80
15	64QAM	1	37	19.22	19.28		19.28	19.25	20.80



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15	64QAM	1	74	19.27	19.26		19.19	19.08	20.80
15	64QAM	36	0	18.27	18.24		18.10	18.14	19.80
15	64QAM	36	20	18.17	18.24		18.16	18.18	19.80
15	64QAM	36	39	18.19	18.26		18.19	18.02	19.80
15	64QAM	75	0	18.20	18.27		18.23	18.17	19.80
15	256QAM	1	0	16.29	16.36		16.24	16.26	17.80
15	256QAM	1	37	16.21	16.36		16.28	16.31	17.80
15	256QAM	1	74	16.27	16.43		16.31	16.21	17.80
15	256QAM	36	0	16.31	16.30		16.16	16.22	17.80
15	256QAM	36	20	16.17	16.29		16.15	16.10	17.80
15	256QAM	36	39	16.17	16.24		16.16	16.13	17.80
15	256QAM	75	0	16.09	16.25		16.19	16.19	17.80
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	20.04	19.97		19.89	19.85	21.50
10	QPSK	1	25	19.71	19.79		19.71	19.70	21.50
10	QPSK	1	49	19.70	19.81		19.70	19.70	21.50
10	QPSK	25	0	19.77	19.80		19.71	19.84	21.50
10	QPSK	25	12	19.70	19.85		19.70	19.72	21.50
10	QPSK	25	25	19.77	19.72		19.70	19.71	21.50
10	QPSK	50	0	19.71	19.71		19.71	19.72	21.50
10	16QAM	1	0	19.70	19.75		19.70	19.71	21.50
10	16QAM	1	25	19.81	19.86		19.70	19.71	21.50
10	16QAM	1	49	19.73	19.78		19.70	19.70	21.50
10	16QAM	25	0	19.35	19.37		19.31	19.17	20.80
10	16QAM	25	12	19.17	19.26		19.09	19.03	20.80
10	16QAM	25	25	19.11	19.25		19.03	19.01	20.80
10	16QAM	50	0	19.22	19.38		19.21	19.11	20.80
10	64QAM	1	0	19.36	19.42		19.36	19.11	20.80
10	64QAM	1	25	19.22	19.29		19.18	19.26	20.80
10	64QAM	1	49	19.24	19.22		19.16	19.06	20.80
10	64QAM	25	0	18.19	18.28		18.20	18.19	19.80
10	64QAM	25	12	18.12	18.29		18.16	18.12	19.80
10	64QAM	25	25	18.24	18.31		18.23	18.10	19.80
10	64QAM	50	0	18.20	18.35		18.13	18.12	19.80
10	256QAM	1	0	16.28	16.36		16.25	16.28	17.80
10	256QAM	1	25	16.34	16.36		16.29	16.21	17.80
10	256QAM	1	49	16.35	16.35		16.28	16.24	17.80
10	256QAM	25	0	16.20	16.37		16.14	16.17	17.80
10	256QAM	25	12	16.07	16.28		16.12	16.08	17.80
10	256QAM	25	25	16.19	16.30		16.10	16.13	17.80
10	256QAM	50	0	16.17	16.22		16.11	16.19	17.80
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	20.03	20.05		19.95	19.86	21.50
5	QPSK	1	12	19.71	19.79		19.70	19.72	21.50
5	QPSK	1	24	19.70	19.76		19.71	19.71	21.50
5	QPSK	12	0	19.77	19.85		19.73	19.79	21.50
5	QPSK	12	7	19.72	19.87		19.71	19.70	21.50
5	QPSK	12	13	19.76	19.76		19.77	19.73	21.50
5	QPSK	25	0	19.70	19.70		19.70	19.75	21.50
5	16QAM	1	0	19.71	19.74		19.70	19.75	21.50
5	16QAM	1	12	19.84	19.89		19.71	19.70	21.50
5	16QAM	1	24	19.70	19.74		19.71	19.70	21.50
5	16QAM	12	0	19.34	19.35		19.28	19.15	20.80
5	16QAM	12	7	19.23	19.20		19.14	19.04	20.80
5	16QAM	12	13	19.10	19.18		19.04	19.00	20.80
5	16QAM	25	0	19.29	19.30		19.19	19.04	20.80
5	64QAM	1	0	19.39	19.44		19.28	19.20	20.80
5	64QAM	1	12	19.23	19.38		19.21	19.17	20.80
5	64QAM	1	24	19.16	19.21		19.17	19.14	20.80
5	64QAM	12	0	18.28	18.34		18.12	18.10	19.80
5	64QAM	12	7	18.19	18.26		18.14	18.13	19.80
5	64QAM	12	13	18.13	18.25		18.17	18.10	19.80
5	64QAM	25	0	18.12	18.31		18.14	18.09	19.80
5	256QAM	1	0	16.19	16.40		16.20	16.19	17.80
5	256QAM	1	12	16.26	16.38		16.27	16.23	17.80
5	256QAM	1	24	16.29	16.42		16.28	16.28	17.80
5	256QAM	12	0	16.27	16.34		16.21	16.15	17.80
5	256QAM	12	7	16.15	16.28		16.05	16.13	17.80
5	256QAM	12	13	16.10	16.27		16.21	16.10	17.80
5	256QAM	25	0	16.16	16.31		16.24	16.21	17.80



【LTE Band 48_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.75	21.98		21.61	21.75	23.00
20	QPSK	1	49	21.46	21.44		21.27	21.35	23.00
20	QPSK	1	99	21.45	21.43		21.34	21.45	23.00
20	QPSK	50	0	20.73	20.81		20.69	20.72	22.00
20	QPSK	50	24	20.59	20.54		20.37	20.60	22.00
20	QPSK	50	50	20.46	20.53		20.39	20.44	22.00
20	QPSK	100	0	20.66	20.76		20.53	20.60	22.00
20	16QAM	1	0	20.57	20.52		20.44	20.52	22.00
20	16QAM	1	49	20.52	20.49		20.42	20.50	22.00
20	16QAM	1	99	20.55	20.57		20.35	20.50	22.00
20	16QAM	50	0	19.52	19.46		19.40	19.49	21.00
20	16QAM	50	24	19.68	19.61		19.46	19.65	21.00
20	16QAM	50	50	19.55	19.53		19.40	19.49	21.00
20	16QAM	100	0	19.65	19.61		19.53	19.61	21.00
20	64QAM	1	0	19.53	19.57		19.52	19.56	21.00
20	64QAM	1	49	19.62	19.62		19.50	19.55	21.00
20	64QAM	1	99	19.69	19.59		19.50	19.68	21.00
20	64QAM	50	0	18.42	18.46		18.32	18.39	20.00
20	64QAM	50	24	18.45	18.45		18.35	18.52	20.00
20	64QAM	50	50	18.44	18.47		18.40	18.48	20.00
20	64QAM	100	0	18.57	18.62		18.39	18.55	20.00
20	256QAM	1	0	16.54	16.52		16.45	16.56	18.00
20	256QAM	1	49	16.70	16.68		16.62	16.71	18.00
20	256QAM	1	99	16.62	16.62		16.54	16.57	18.00
20	256QAM	50	0	16.65	16.60		16.47	16.60	18.00
20	256QAM	50	24	16.43	16.54		16.39	16.47	18.00
20	256QAM	50	50	16.63	16.62		16.56	16.67	18.00
20	256QAM	100	0	16.60	16.63		16.43	16.63	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.62	21.66		21.57	21.62	23.00
15	QPSK	1	37	21.44	21.38		21.18	21.27	23.00
15	QPSK	1	74	21.41	21.40		21.23	21.42	23.00
15	QPSK	36	0	20.64	20.73		20.66	20.62	22.00
15	QPSK	36	20	20.55	20.41		20.29	20.53	22.00
15	QPSK	36	39	20.43	20.39		20.31	20.41	22.00
15	QPSK	75	0	20.57	20.67		20.50	20.59	22.00
15	16QAM	1	0	20.54	20.46		20.31	20.49	22.00
15	16QAM	1	37	20.40	20.46		20.36	20.44	22.00
15	16QAM	1	74	20.43	20.55		20.20	20.42	22.00
15	16QAM	36	0	19.50	19.39		19.26	19.40	21.00
15	16QAM	36	20	19.64	19.51		19.41	19.53	21.00
15	16QAM	36	39	19.50	19.46		19.26	19.44	21.00
15	16QAM	75	0	19.56	19.47		19.44	19.52	21.00
15	64QAM	1	0	19.51	19.47		19.39	19.50	21.00
15	64QAM	1	37	19.60	19.48		19.43	19.40	21.00
15	64QAM	1	74	19.59	19.54		19.39	19.57	21.00
15	64QAM	36	0	18.29	18.37		18.19	18.28	20.00
15	64QAM	36	20	18.38	18.39		18.29	18.41	20.00
15	64QAM	36	39	18.40	18.38		18.35	18.44	20.00
15	64QAM	75	0	18.55	18.56		18.31	18.41	20.00
15	256QAM	1	0	16.46	16.51		16.42	16.50	18.00
15	256QAM	1	37	16.55	16.53		16.51	16.62	18.00
15	256QAM	1	74	16.53	16.52		16.42	16.43	18.00
15	256QAM	36	0	16.56	16.53		16.39	16.54	18.00
15	256QAM	36	20	16.40	16.50		16.32	16.42	18.00
15	256QAM	36	39	16.62	16.54		16.54	16.59	18.00
15	256QAM	75	0	16.54	16.55		16.38	16.51	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	21.69	21.70		21.57	21.65	23.00
10	QPSK	1	25	21.33	21.36		21.23	21.25	23.00
10	QPSK	1	49	21.42	21.32		21.20	21.34	23.00
10	QPSK	25	0	20.65	20.71		20.61	20.58	22.00
10	QPSK	25	12	20.48	20.52		20.31	20.55	22.00
10	QPSK	25	25	20.32	20.38		20.27	20.35	22.00
10	QPSK	50	0	20.56	20.67		20.49	20.47	22.00
10	16QAM	1	0	20.43	20.42		20.42	20.51	22.00
10	16QAM	1	25	20.45	20.36		20.34	20.43	22.00
10	16QAM	1	49	20.44	20.42		20.23	20.44	22.00



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

【LTE Band 48_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.96	23.29		22.96	22.99	24.00
20	QPSK	1	49	22.50	22.53		22.59	22.56	24.00
20	QPSK	1	99	22.65	22.69		22.71	22.74	24.00
20	QPSK	50	0	21.95	22.06		21.88	21.99	23.00
20	QPSK	50	24	21.64	21.71		21.69	21.75	23.00
20	QPSK	50	50	21.82	21.95		21.88	21.92	23.00
20	QPSK	100	0	21.91	22.02		21.90	21.94	23.00
20	16QAM	1	0	21.87	21.87		21.75	21.79	23.00
20	16QAM	1	49	21.78	21.80		21.87	21.91	23.00
20	16QAM	1	99	21.84	21.88		21.77	21.88	23.00
20	16QAM	50	0	20.93	20.84		20.82	20.97	22.00
20	16QAM	50	24	20.76	20.68		20.75	20.73	22.00
20	16QAM	50	50	20.68	20.77		20.76	20.79	22.00
20	16QAM	100	0	20.71	20.76		20.74	20.72	22.00
20	64QAM	1	0	20.84	20.90		20.88	20.89	22.00
20	64QAM	1	49	20.85	20.77		20.76	20.76	22.00
20	64QAM	1	99	20.89	20.84		20.88	20.80	22.00
20	64QAM	50	0	19.84	19.85		19.83	19.87	21.00
20	64QAM	50	24	19.89	19.81		19.76	19.87	21.00



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20	64QAM	50	50	19.85	19.83		19.87	19.91	21.00
20	64QAM	100	0	19.83	19.80		19.77	19.80	21.00
20	256QAM	1	0	17.71	17.79		17.77	17.66	19.00
20	256QAM	1	49	17.89	17.77		17.75	17.82	19.00
20	256QAM	1	99	17.98	17.98		17.87	17.87	19.00
20	256QAM	50	0	17.89	17.84		17.88	17.81	19.00
20	256QAM	50	24	17.73	17.87		17.86	17.89	19.00
20	256QAM	50	50	17.81	17.82		17.71	17.79	19.00
20	256QAM	100	0	17.79	17.80		17.75	17.88	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	22.92	22.84		22.89	22.88	24.00
15	QPSK	1	37	22.47	22.42		22.50	22.54	24.00
15	QPSK	1	74	22.56	22.66		22.61	22.63	24.00
15	QPSK	36	0	21.74	21.87		21.75	21.84	23.00
15	QPSK	36	20	21.51	21.63		21.62	21.73	23.00
15	QPSK	36	39	21.79	21.88		21.73	21.89	23.00
15	QPSK	75	0	21.87	21.73		21.81	21.89	23.00
15	16QAM	1	0	21.81	21.81		21.71	21.69	23.00
15	16QAM	1	37	21.70	21.67		21.77	21.87	23.00
15	16QAM	1	74	21.79	21.78		21.76	21.84	23.00
15	16QAM	36	0	20.83	20.72		20.71	20.94	22.00
15	16QAM	36	20	20.74	20.61		20.69	20.69	22.00
15	16QAM	36	39	20.59	20.74		20.66	20.71	22.00
15	16QAM	75	0	20.58	20.69		20.68	20.70	22.00
15	64QAM	1	0	20.70	20.82		20.85	20.88	22.00
15	64QAM	1	37	20.74	20.63		20.67	20.61	22.00
15	64QAM	1	74	20.84	20.77		20.79	20.76	22.00
15	64QAM	36	0	19.73	19.73		19.70	19.84	21.00
15	64QAM	36	20	19.81	19.74		19.62	19.73	21.00
15	64QAM	36	39	19.79	19.74		19.85	19.88	21.00
15	64QAM	75	0	19.72	19.78		19.67	19.79	21.00
15	256QAM	1	0	17.63	17.65		17.75	17.54	19.00
15	256QAM	1	37	17.86	17.73		17.67	17.76	19.00
15	256QAM	1	74	17.93	17.85		17.85	17.83	19.00
15	256QAM	36	0	17.79	17.77		17.81	17.74	19.00
15	256QAM	36	20	17.68	17.80		17.80	17.76	19.00
15	256QAM	36	39	17.78	17.76		17.63	17.75	19.00
15	256QAM	75	0	17.72	17.66		17.73	17.85	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.84	22.91		22.85	22.87	24.00
10	QPSK	1	25	22.47	22.51		22.46	22.43	24.00
10	QPSK	1	49	22.54	22.62		22.68	22.68	24.00
10	QPSK	25	0	21.67	21.92		21.87	21.90	23.00
10	QPSK	25	12	21.58	21.60		21.64	21.61	23.00
10	QPSK	25	25	21.73	21.83		21.82	21.81	23.00
10	QPSK	50	0	21.82	21.70		21.88	21.86	23.00
10	16QAM	1	0	21.76	21.85		21.69	21.64	23.00
10	16QAM	1	25	21.69	21.70		21.84	21.89	23.00
10	16QAM	1	49	21.74	21.76		21.74	21.86	23.00
10	16QAM	25	0	20.79	20.70		20.71	20.94	22.00
10	16QAM	25	12	20.75	20.60		20.63	20.67	22.00
10	16QAM	25	25	20.62	20.69		20.63	20.76	22.00
10	16QAM	50	0	20.68	20.62		20.59	20.67	22.00
10	64QAM	1	0	20.81	20.86		20.82	20.78	22.00
10	64QAM	1	25	20.79	20.64		20.72	20.64	22.00
10	64QAM	1	49	20.86	20.70		20.76	20.73	22.00
10	64QAM	25	0	19.81	19.83		19.75	19.76	21.00
10	64QAM	25	12	19.79	19.77		19.74	19.79	21.00
10	64QAM	25	25	19.75	19.73		19.83	19.88	21.00
10	64QAM	50	0	19.75	19.78		19.66	19.68	21.00
10	256QAM	1	0	17.63	17.73		17.65	17.56	19.00
10	256QAM	1	25	17.79	17.72		17.61	17.70	19.00
10	256QAM	1	49	17.94	17.89		17.76	17.83	19.00
10	256QAM	25	0	17.81	17.79		17.81	17.78	19.00
10	256QAM	25	12	17.61	17.85		17.73	17.87	19.00
10	256QAM	25	25	17.67	17.78		17.62	17.72	19.00
10	256QAM	50	0	17.65	17.73		17.67	17.75	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.95	22.84		22.86	22.93	24.00
5	QPSK	1	12	22.37	22.51		22.57	22.53	24.00
5	QPSK	1	24	22.53	22.55		22.57	22.67	24.00
5	QPSK	12	0	21.73	21.88		21.86	21.83	23.00
5	QPSK	12	7	21.55	21.70		21.56	21.62	23.00
5	QPSK	12	13	21.74	21.91		21.83	21.89	23.00
5	QPSK	25	0	21.87	21.80		21.86	21.82	23.00



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5	16QAM	1	0	21.77	21.80		21.74	21.72	23.00
5	16QAM	1	12	21.65	21.68		21.84	21.80	23.00
5	16QAM	1	24	21.81	21.76		21.69	21.81	23.00
5	16QAM	12	0	20.82	20.79		20.67	20.89	22.00
5	16QAM	12	7	20.62	20.57		20.68	20.60	22.00
5	16QAM	12	13	20.56	20.64		20.64	20.75	22.00
5	16QAM	25	0	20.66	20.66		20.63	20.63	22.00
5	64QAM	1	0	20.75	20.78		20.83	20.82	22.00
5	64QAM	1	12	20.78	20.73		20.74	20.70	22.00
5	64QAM	1	24	20.77	20.76		20.74	20.69	22.00
5	64QAM	12	0	19.78	19.77		19.78	19.80	21.00
5	64QAM	12	7	19.79	19.71		19.75	19.73	21.00
5	64QAM	12	13	19.81	19.77		19.78	19.85	21.00
5	64QAM	25	0	19.81	19.78		19.71	19.71	21.00
5	256QAM	1	0	17.66	17.66		17.76	17.60	19.00
5	256QAM	1	12	17.86	17.75		17.66	17.74	19.00
5	256QAM	1	24	17.92	17.87		17.80	17.85	19.00
5	256QAM	12	0	17.85	17.72		17.85	17.76	19.00
5	256QAM	12	7	17.60	17.72		17.84	17.85	19.00
5	256QAM	12	13	17.75	17.71		17.68	17.70	19.00
5	256QAM	25	0	17.74	17.69		17.68	17.86	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.96	22.29		21.96	21.99	23.00
20	QPSK	1	49	21.34	21.41		21.46	21.48	23.00
20	QPSK	1	99	21.59	21.62		21.62	21.69	23.00
20	QPSK	50	0	20.95	21.06		20.88	20.99	22.00
20	QPSK	50	24	20.51	20.63		20.58	20.60	22.00
20	QPSK	50	50	20.74	20.88		20.82	20.86	22.00
20	QPSK	100	0	20.91	21.02		20.90	20.94	22.00
20	16QAM	1	0	20.74	20.81		20.66	20.67	22.00
20	16QAM	1	49	20.70	20.66		20.78	20.83	22.00
20	16QAM	1	99	20.72	20.83		20.66	20.76	22.00
20	16QAM	50	0	19.82	19.72		19.77	19.89	21.00
20	16QAM	50	24	19.72	19.60		19.64	19.58	21.00
20	16QAM	50	50	19.64	19.65		19.64	19.74	21.00
20	16QAM	100	0	19.64	19.67		19.68	19.66	21.00
20	64QAM	1	0	19.75	19.80		19.80	19.75	21.00
20	64QAM	1	49	19.80	19.69		19.62	19.60	21.00
20	64QAM	1	99	19.80	19.74		19.79	19.68	21.00
20	64QAM	50	0	18.68	18.77		18.69	18.82	20.00
20	64QAM	50	24	18.78	18.67		18.63	18.79	20.00
20	64QAM	50	50	18.78	18.73		18.82	18.79	20.00
20	64QAM	100	0	18.70	18.74		18.64	18.75	20.00
20	256QAM	1	0	16.65	16.74		16.72	16.61	18.00
20	256QAM	1	49	16.75	16.63		16.70	16.74	18.00
20	256QAM	1	99	16.83	16.87		16.83	16.76	18.00
20	256QAM	50	0	16.74	16.69		16.82	16.67	18.00
20	256QAM	50	24	16.61	16.79		16.73	16.84	18.00
20	256QAM	50	50	16.70	16.71		16.63	16.68	18.00
20	256QAM	100	0	16.67	16.65		16.61	16.75	18.00
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	21.82	22.28		21.84	21.97	23.00
15	QPSK	1	37	21.28	21.37		21.34	21.39	23.00
15	QPSK	1	74	21.46	21.52		21.51	21.58	23.00
15	QPSK	36	0	20.82	21.05		20.75	20.85	22.00
15	QPSK	36	20	20.47	20.54		20.55	20.50	22.00
15	QPSK	36	39	20.72	20.77		20.78	20.82	22.00
15	QPSK	75	0	20.77	20.89		20.83	20.82	22.00
15	16QAM	1	0	20.72	20.79		20.64	20.56	22.00
15	16QAM	1	37	20.58	20.51		20.73	20.71	22.00
15	16QAM	1	74	20.70	20.72		20.64	20.72	22.00
15	16QAM	36	0	19.67	19.67		19.69	19.84	21.00
15	16QAM	36	20	19.63	19.51		19.49	19.47	21.00
15	16QAM	36	39	19.54	19.58		19.59	19.65	21.00
15	16QAM	75	0	19.52	19.56		19.56	19.61	21.00
15	64QAM	1	0	19.64	19.71		19.73	19.61	21.00
15	64QAM	1	37	19.66	19.59		19.60	19.53	21.00



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15	64QAM	1	74	19.71	19.62		19.66	19.53	21.00
15	64QAM	36	0	18.64	18.72		18.58	18.73	20.00
15	64QAM	36	20	18.76	18.65		18.50	18.73	20.00
15	64QAM	36	39	18.66	18.69		18.76	18.73	20.00
15	64QAM	75	0	18.56	18.63		18.60	18.62	20.00
15	256QAM	1	0	16.58	16.72		16.69	16.50	18.00
15	256QAM	1	37	16.66	16.49		16.60	16.67	18.00
15	256QAM	1	74	16.71	16.83		16.73	16.71	18.00
15	256QAM	36	0	16.66	16.55		16.80	16.53	18.00
15	256QAM	36	20	16.56	16.71		16.64	16.72	18.00
15	256QAM	36	39	16.65	16.69		16.57	16.56	18.00
15	256QAM	75	0	16.64	16.56		16.59	16.64	18.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.89	22.23		21.93	21.94	23.00
10	QPSK	1	25	21.30	21.32		21.42	21.47	23.00
10	QPSK	1	49	21.46	21.58		21.57	21.65	23.00
10	QPSK	25	0	20.86	21.03		20.85	20.90	22.00
10	QPSK	25	12	20.42	20.60		20.57	20.46	22.00
10	QPSK	25	25	20.60	20.84		20.72	20.71	22.00
10	QPSK	50	0	20.84	20.94		20.86	20.92	22.00
10	16QAM	1	0	20.64	20.78		20.55	20.61	22.00
10	16QAM	1	25	20.60	20.57		20.75	20.72	22.00
10	16QAM	1	49	20.62	20.68		20.61	20.66	22.00
10	16QAM	25	0	19.78	19.71		19.70	19.88	21.00
10	16QAM	25	12	19.60	19.49		19.58	19.47	21.00
10	16QAM	25	25	19.57	19.52		19.51	19.66	21.00
10	16QAM	50	0	19.60	19.61		19.60	19.58	21.00
10	64QAM	1	0	19.66	19.68		19.70	19.62	21.00
10	64QAM	1	25	19.75	19.64		19.50	19.45	21.00
10	64QAM	1	49	19.76	19.70		19.71	19.53	21.00
10	64QAM	25	0	18.65	18.62		18.55	18.71	20.00
10	64QAM	25	12	18.66	18.54		18.56	18.72	20.00
10	64QAM	25	25	18.63	18.65		18.67	18.78	20.00
10	64QAM	50	0	18.60	18.69		18.59	18.70	20.00
10	256QAM	1	0	16.54	16.60		16.69	16.51	18.00
10	256QAM	1	25	16.63	16.49		16.60	16.62	18.00
10	256QAM	1	49	16.77	16.78		16.75	16.70	18.00
10	256QAM	25	0	16.70	16.68		16.71	16.56	18.00
10	256QAM	25	12	16.54	16.71		16.60	16.72	18.00
10	256QAM	25	25	16.67	16.60		16.56	16.56	18.00
10	256QAM	50	0	16.63	16.54		16.60	16.67	18.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	21.85	22.25		21.88	21.86	23.00
5	QPSK	1	12	21.27	21.32		21.33	21.40	23.00
5	QPSK	1	24	21.55	21.51		21.54	21.63	23.00
5	QPSK	12	0	20.91	21.04		20.80	20.85	22.00
5	QPSK	12	7	20.41	20.59		20.47	20.55	22.00
5	QPSK	12	13	20.64	20.78		20.80	20.83	22.00
5	QPSK	25	0	20.81	20.93		20.82	20.83	22.00
5	16QAM	1	0	20.61	20.78		20.51	20.55	22.00
5	16QAM	1	12	20.65	20.51		20.70	20.71	22.00
5	16QAM	1	24	20.61	20.79		20.64	20.67	22.00
5	16QAM	12	0	19.81	19.64		19.70	19.78	21.00
5	16QAM	12	7	19.60	19.46		19.59	19.55	21.00
5	16QAM	12	13	19.54	19.62		19.54	19.61	21.00
5	16QAM	25	0	19.62	19.52		19.55	19.54	21.00
5	64QAM	1	0	19.66	19.74		19.70	19.62	21.00
5	64QAM	1	12	19.67	19.63		19.54	19.50	21.00
5	64QAM	1	24	19.65	19.64		19.76	19.55	21.00
5	64QAM	12	0	18.63	18.68		18.56	18.68	20.00
5	64QAM	12	7	18.68	18.64		18.53	18.74	20.00
5	64QAM	12	13	18.76	18.63		18.71	18.76	20.00
5	64QAM	25	0	18.62	18.63		18.59	18.63	20.00
5	256QAM	1	0	16.63	16.66		16.61	16.54	18.00
5	256QAM	1	12	16.64	16.57		16.62	16.59	18.00
5	256QAM	1	24	16.74	16.75		16.81	16.67	18.00
5	256QAM	12	0	16.73	16.66		16.73	16.57	18.00
5	256QAM	12	7	16.47	16.66		16.60	16.80	18.00
5	256QAM	12	13	16.69	16.70		16.60	16.59	18.00
5	256QAM	25	0	16.57	16.62		16.54	16.66	18.00

**[LTE Band 48_Ant 8_DSI 3]**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	19.68	19.82		19.77	19.69	21.10
20	QPSK	1	49	19.30	19.53		19.37	19.31	21.10
20	QPSK	1	99	19.46	19.65		19.49	19.38	21.10
20	QPSK	50	0	19.56	19.70		19.69	19.69	21.10
20	QPSK	50	24	19.41	19.61		19.55	19.43	21.10
20	QPSK	50	50	19.50	19.69		19.63	19.48	21.10
20	QPSK	100	0	19.55	19.56		19.42	19.45	21.10
20	16QAM	1	0	19.35	19.55		19.38	19.37	21.10
20	16QAM	1	49	19.53	19.70		19.52	19.53	21.10
20	16QAM	1	99	19.37	19.55		19.37	19.34	21.10
20	16QAM	50	0	19.45	19.69		19.63	19.53	21.10
20	16QAM	50	24	19.37	19.65		19.56	19.50	21.10
20	16QAM	50	50	19.44	19.59		19.49	19.41	21.10
20	16QAM	100	0	19.54	19.70		19.63	19.45	21.10
20	64QAM	1	0	19.47	19.66		19.53	19.45	21.10
20	64QAM	1	49	19.49	19.66		19.49	19.47	21.10
20	64QAM	1	99	19.42	19.68		19.55	19.46	21.10
20	64QAM	50	0	19.38	19.60		19.42	19.44	21.00
20	64QAM	50	24	19.43	19.67		19.59	19.39	21.00
20	64QAM	50	50	19.35	19.61		19.52	19.40	21.00
20	64QAM	100	0	19.39	19.59		19.40	19.42	21.00
20	256QAM	1	0	17.35	17.61		17.46	17.45	19.00
20	256QAM	1	49	17.46	17.63		17.45	17.48	19.00
20	256QAM	1	99	17.33	17.57		17.45	17.44	19.00
20	256QAM	50	0	17.30	17.56		17.50	17.34	19.00
20	256QAM	50	24	17.46	17.60		17.44	17.34	19.00
20	256QAM	50	50	17.36	17.53		17.39	17.34	19.00
20	256QAM	100	0	17.38	17.65		17.54	17.40	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	19.59	19.74		19.65	19.61	21.10
15	QPSK	1	37	19.23	19.43		19.25	19.25	21.10
15	QPSK	1	74	19.37	19.63		19.44	19.32	21.10
15	QPSK	36	0	19.41	19.59		19.49	19.67	21.10
15	QPSK	36	20	19.33	19.57		19.54	19.28	21.10
15	QPSK	36	39	19.46	19.61		19.49	19.43	21.10
15	QPSK	75	0	19.41	19.53		19.37	19.40	21.10
15	16QAM	1	0	19.20	19.53		19.25	19.30	21.10
15	16QAM	1	37	19.45	19.61		19.46	19.46	21.10
15	16QAM	1	74	19.33	19.52		19.35	19.27	21.10
15	16QAM	36	0	19.31	19.63		19.49	19.46	21.10
15	16QAM	36	20	19.28	19.55		19.46	19.40	21.10
15	16QAM	36	39	19.37	19.57		19.39	19.26	21.10
15	16QAM	75	0	19.49	19.69		19.56	19.37	21.10
15	64QAM	1	0	19.44	19.52		19.49	19.43	21.10
15	64QAM	1	37	19.42	19.59		19.37	19.38	21.10
15	64QAM	1	74	19.40	19.65		19.45	19.33	21.10
15	64QAM	36	0	19.27	19.57		19.27	19.41	21.00
15	64QAM	36	20	19.32	19.55		19.49	19.25	21.00
15	64QAM	36	39	19.30	19.58		19.45	19.34	21.00
15	64QAM	75	0	19.38	19.50		19.33	19.29	21.00
15	256QAM	1	0	17.31	17.56		17.43	17.41	19.00
15	256QAM	1	37	17.42	17.60		17.41	17.45	19.00
15	256QAM	1	74	17.23	17.53		17.33	17.37	19.00
15	256QAM	36	0	17.23	17.45		17.47	17.28	19.00
15	256QAM	36	20	17.34	17.58		17.38	17.33	19.00
15	256QAM	36	39	17.33	17.39		17.27	17.29	19.00
15	256QAM	75	0	17.32	17.58		17.40	17.37	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	19.57	19.75		19.63	19.55	21.10
10	QPSK	1	25	19.17	19.43		19.27	19.27	21.10
10	QPSK	1	49	19.44	19.58		19.35	19.32	21.10
10	QPSK	25	0	19.42	19.63		19.57	19.66	21.10
10	QPSK	25	12	19.40	19.59		19.44	19.37	21.10
10	QPSK	25	25	19.37	19.64		19.53	19.42	21.10
10	QPSK	50	0	19.50	19.50		19.38	19.37	21.10
10	16QAM	1	0	19.25	19.48		19.24	19.30	21.10
10	16QAM	1	25	19.46	19.58		19.40	19.52	21.10
10	16QAM	1	49	19.24	19.50		19.27	19.30	21.10



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10	16QAM	25	0	19.40	19.59		19.51	19.46	21.10
10	16QAM	25	12	19.29	19.58		19.46	19.36	21.10
10	16QAM	25	25	19.42	19.56		19.38	19.38	21.10
10	16QAM	50	0	19.44	19.65		19.54	19.37	21.10
10	64QAM	1	0	19.43	19.52		19.42	19.33	21.10
10	64QAM	1	25	19.37	19.54		19.42	19.39	21.10
10	64QAM	1	49	19.34	19.62		19.49	19.37	21.10
10	64QAM	25	0	19.26	19.52		19.39	19.34	21.00
10	64QAM	25	12	19.38	19.56		19.53	19.26	21.00
10	64QAM	25	25	19.26	19.53		19.48	19.28	21.00
10	64QAM	50	0	19.36	19.51		19.26	19.36	21.00
10	256QAM	1	0	17.32	17.54		17.42	17.42	19.00
10	256QAM	1	25	17.37	17.54		17.41	17.34	19.00
10	256QAM	1	49	17.23	17.45		17.41	17.34	19.00
10	256QAM	25	0	17.27	17.50		17.40	17.23	19.00
10	256QAM	25	12	17.43	17.47		17.36	17.27	19.00
10	256QAM	25	25	17.21	17.52		17.33	17.20	19.00
10	256QAM	50	0	17.37	17.63		17.48	17.28	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	19.58	19.79		19.62	19.62	21.10
5	QPSK	1	12	19.20	19.50		19.29	19.25	21.10
5	QPSK	1	24	19.39	19.60		19.44	19.33	21.10
5	QPSK	12	0	19.52	19.60		19.57	19.62	21.10
5	QPSK	12	7	19.34	19.57		19.48	19.34	21.10
5	QPSK	12	13	19.36	19.57		19.51	19.36	21.10
5	QPSK	25	0	19.51	19.49		19.37	19.39	21.10
5	16QAM	1	0	19.25	19.49		19.33	19.25	21.10
5	16QAM	1	12	19.50	19.67		19.41	19.38	21.10
5	16QAM	1	24	19.33	19.45		19.35	19.26	21.10
5	16QAM	12	0	19.42	19.55		19.51	19.40	21.10
5	16QAM	12	7	19.31	19.62		19.42	19.46	21.10
5	16QAM	12	13	19.29	19.49		19.38	19.35	21.10
5	16QAM	25	0	19.40	19.65		19.61	19.43	21.10
5	64QAM	1	0	19.39	19.55		19.45	19.39	21.10
5	64QAM	1	12	19.38	19.64		19.35	19.41	21.10
5	64QAM	1	24	19.28	19.55		19.51	19.34	21.10
5	64QAM	12	0	19.23	19.50		19.37	19.31	21.00
5	64QAM	12	7	19.33	19.55		19.47	19.27	21.00
5	64QAM	12	13	19.34	19.60		19.40	19.29	21.00
5	64QAM	25	0	19.29	19.49		19.32	19.32	21.00
5	256QAM	1	0	17.26	17.53		17.34	17.32	19.00
5	256QAM	1	12	17.44	17.58		17.42	17.43	19.00
5	256QAM	1	24	17.26	17.46		17.42	17.39	19.00
5	256QAM	12	0	17.27	17.46		17.40	17.32	19.00
5	256QAM	12	7	17.41	17.58		17.31	17.28	19.00
5	256QAM	12	13	17.21	17.47		17.28	17.32	19.00
5	256QAM	25	0	17.37	17.57		17.40	17.33	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	21.88	21.93		21.79	21.87	22.90
20	QPSK	1	49	21.69	21.80		21.61	21.66	22.90
20	QPSK	1	99	21.63	21.81		21.57	21.70	22.90
20	QPSK	50	0	21.80	21.82		21.79	21.78	22.90
20	QPSK	50	24	21.57	21.74		21.46	21.62	22.90
20	QPSK	50	50	21.64	21.80		21.56	21.71	22.90
20	QPSK	100	0	21.60	21.70		21.65	21.64	22.90
20	16QAM	1	0	21.57	21.70		21.48	21.52	22.90
20	16QAM	1	49	21.59	21.71		21.52	21.53	22.90
20	16QAM	1	99	21.67	21.77		21.51	21.65	22.90
20	16QAM	50	0	20.56	20.68		20.47	20.57	22.00
20	16QAM	50	24	20.59	20.66		20.38	20.52	22.00
20	16QAM	50	50	20.52	20.70		20.43	20.55	22.00
20	16QAM	100	0	20.73	20.80		20.64	20.63	22.00
20	64QAM	1	0	20.62	20.69		20.46	20.51	22.00
20	64QAM	1	49	20.64	20.76		20.53	20.62	22.00
20	64QAM	1	99	20.64	20.80		20.64	20.70	22.00
20	64QAM	50	0	19.55	19.68		19.52	19.58	21.00
20	64QAM	50	24	19.50	19.65		19.40	19.53	21.00



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20	64QAM	50	50	19.54	19.66		19.44	19.47	21.00
20	64QAM	100	0	19.65	19.77		19.59	19.68	21.00
20	256QAM	1	0	17.59	17.65		17.52	17.46	19.00
20	256QAM	1	49	17.61	17.68		17.49	17.54	19.00
20	256QAM	1	99	17.54	17.71		17.58	17.59	19.00
20	256QAM	50	0	17.62	17.71		17.53	17.57	19.00
20	256QAM	50	24	17.65	17.72		17.47	17.54	19.00
20	256QAM	50	50	17.59	17.75		17.50	17.67	19.00
20	256QAM	100	0	17.60	17.67		17.49	17.54	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	21.75	21.85		21.74	21.73	22.90
15	QPSK	1	37	21.67	21.72		21.57	21.59	22.90
15	QPSK	1	74	21.61	21.80		21.47	21.58	22.90
15	QPSK	36	0	21.72	21.68		21.67	21.60	22.90
15	QPSK	36	20	21.44	21.61		21.40	21.60	22.90
15	QPSK	36	39	21.54	21.73		21.45	21.63	22.90
15	QPSK	75	0	21.49	21.57		21.51	21.54	22.90
15	16QAM	1	0	21.47	21.66		21.45	21.41	22.90
15	16QAM	1	37	21.47	21.63		21.38	21.42	22.90
15	16QAM	1	74	21.57	21.67		21.49	21.56	22.90
15	16QAM	36	0	20.54	20.66		20.32	20.53	22.00
15	16QAM	36	20	20.56	20.59		20.32	20.41	22.00
15	16QAM	36	39	20.41	20.57		20.32	20.47	22.00
15	16QAM	75	0	20.60	20.67		20.50	20.59	22.00
15	64QAM	1	0	20.56	20.59		20.39	20.49	22.00
15	64QAM	1	37	20.52	20.68		20.46	20.50	22.00
15	64QAM	1	74	20.51	20.66		20.59	20.60	22.00
15	64QAM	36	0	19.53	19.64		19.39	19.44	21.00
15	64QAM	36	20	19.44	19.60		19.34	19.50	21.00
15	64QAM	36	39	19.46	19.51		19.30	19.40	21.00
15	64QAM	75	0	19.60	19.64		19.49	19.64	21.00
15	256QAM	1	0	17.46	17.53		17.50	17.37	19.00
15	256QAM	1	37	17.53	17.61		17.45	17.48	19.00
15	256QAM	1	74	17.48	17.69		17.56	17.55	19.00
15	256QAM	36	0	17.59	17.61		17.52	17.49	19.00
15	256QAM	36	20	17.52	17.64		17.34	17.40	19.00
15	256QAM	36	39	17.48	17.66		17.40	17.65	19.00
15	256QAM	75	0	17.56	17.60		17.46	17.39	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	21.78	21.83		21.68	21.83	22.90
10	QPSK	1	25	21.62	21.65		21.52	21.52	22.90
10	QPSK	1	49	21.57	21.76		21.50	21.66	22.90
10	QPSK	25	0	21.71	21.81		21.73	21.58	22.90
10	QPSK	25	12	21.42	21.69		21.37	21.54	22.90
10	QPSK	25	25	21.59	21.70		21.43	21.65	22.90
10	QPSK	50	0	21.48	21.59		21.53	21.61	22.90
10	16QAM	1	0	21.44	21.60		21.44	21.38	22.90
10	16QAM	1	25	21.49	21.64		21.41	21.52	22.90
10	16QAM	1	49	21.54	21.73		21.38	21.55	22.90
10	16QAM	25	0	20.43	20.58		20.37	20.50	22.00
10	16QAM	25	12	20.49	20.60		20.24	20.44	22.00
10	16QAM	25	25	20.37	20.61		20.35	20.51	22.00
10	16QAM	50	0	20.67	20.78		20.54	20.61	22.00
10	64QAM	1	0	20.52	20.57		20.38	20.44	22.00
10	64QAM	1	25	20.54	20.70		20.46	20.54	22.00
10	64QAM	1	49	20.52	20.72		20.55	20.58	22.00
10	64QAM	25	0	19.44	19.63		19.39	19.44	21.00
10	64QAM	25	12	19.44	19.52		19.36	19.49	21.00
10	64QAM	25	25	19.50	19.60		19.40	19.33	21.00
10	64QAM	50	0	19.52	19.69		19.48	19.59	21.00
10	256QAM	1	0	17.47	17.57		17.44	17.31	19.00
10	256QAM	1	25	17.46	17.63		17.41	17.50	19.00
10	256QAM	1	49	17.46	17.68		17.45	17.57	19.00
10	256QAM	25	0	17.58	17.59		17.42	17.45	19.00
10	256QAM	25	12	17.59	17.61		17.33	17.48	19.00
10	256QAM	25	25	17.53	17.65		17.47	17.62	19.00
10	256QAM	50	0	17.45	17.58		17.45	17.47	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	21.85	21.84		21.73	21.86	22.90
5	QPSK	1	12	21.59	21.77		21.54	21.61	22.90
5	QPSK	1	24	21.59	21.71		21.53	21.63	22.90
5	QPSK	12	0	21.68	21.69		21.64	21.60	22.90
5	QPSK	12	7	21.43	21.62		21.42	21.48	22.90
5	QPSK	12	13	21.50	21.72		21.47	21.58	22.90
5	QPSK	25	0	21.45	21.55		21.59	21.63	22.90



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5	16QAM	1	0	21.45	21.59		21.43	21.43	22.90
5	16QAM	1	12	21.58	21.69		21.44	21.50	22.90
5	16QAM	1	24	21.61	21.73		21.43	21.61	22.90
5	16QAM	12	0	20.48	20.66		20.39	20.46	22.00
5	16QAM	12	7	20.46	20.63		20.36	20.38	22.00
5	16QAM	12	13	20.48	20.64		20.36	20.42	22.00
5	16QAM	25	0	20.59	20.76		20.57	20.55	22.00
5	64QAM	1	0	20.50	20.66		20.36	20.42	22.00
5	64QAM	1	12	20.51	20.67		20.51	20.55	22.00
5	64QAM	1	24	20.54	20.74		20.59	20.62	22.00
5	64QAM	12	0	19.43	19.64		19.50	19.51	21.00
5	64QAM	12	7	19.36	19.62		19.26	19.48	21.00
5	64QAM	12	13	19.40	19.55		19.33	19.39	21.00
5	64QAM	25	0	19.57	19.74		19.53	19.61	21.00
5	256QAM	1	0	17.45	17.52		17.42	17.42	19.00
5	256QAM	1	12	17.55	17.59		17.38	17.51	19.00
5	256QAM	1	24	17.40	17.64		17.45	17.54	19.00
5	256QAM	12	0	17.55	17.58		17.43	17.54	19.00
5	256QAM	12	7	17.50	17.59		17.42	17.49	19.00
5	256QAM	12	13	17.52	17.69		17.47	17.57	19.00
5	256QAM	25	0	17.49	17.54		17.40	17.49	19.00

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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	12.35	12.39		12.33	12.36	13.20
20	QPSK	1	49	12.23	12.30		12.25	12.33	13.20
20	QPSK	1	99	12.25	12.32		12.25	12.29	13.20
20	QPSK	50	0	12.24	12.38		12.29	12.24	13.20
20	QPSK	50	24	12.22	12.20		12.21	12.21	13.20
20	QPSK	50	50	12.23	12.22		12.22	12.21	13.20
20	QPSK	100	0	12.23	12.25		12.24	12.30	13.20
20	16QAM	1	0	12.31	12.30		12.26	12.29	13.20
20	16QAM	1	49	12.28	12.28		12.20	12.26	13.20
20	16QAM	1	99	12.24	12.31		12.20	12.27	13.20
20	16QAM	50	0	12.27	12.35		12.21	12.32	13.20
20	16QAM	50	24	12.29	12.34		12.21	12.23	13.20
20	16QAM	50	50	12.22	12.29		12.20	12.26	13.20
20	16QAM	100	0	12.28	12.27		12.19	12.22	13.20
20	64QAM	1	0	12.25	12.32		12.21	12.28	13.20
20	64QAM	1	49	12.22	12.28		12.20	12.29	13.20
20	64QAM	1	99	12.22	12.33		12.18	12.26	13.20
20	64QAM	50	0	12.23	12.31		12.22	12.27	13.20
20	64QAM	50	24	12.27	12.31		12.22	12.28	13.20
20	64QAM	50	50	12.32	12.24		12.23	12.22	13.20
20	64QAM	100	0	12.29	12.27		12.21	12.22	13.20
20	256QAM	1	0	12.27	12.30		12.26	12.22	13.20
20	256QAM	1	49	12.25	12.30		12.24	12.25	13.20
20	256QAM	1	99	12.20	12.33		12.20	12.22	13.20
20	256QAM	50	0	12.24	12.31		12.29	12.27	13.20
20	256QAM	50	24	12.24	12.30		12.27	12.27	13.20
20	256QAM	50	50	12.31	12.35		12.22	12.27	13.20
20	256QAM	100	0	12.23	12.29		12.23	12.21	13.20
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	12.25	12.29		12.19	12.32	13.20
15	QPSK	1	37	12.17	12.19		12.12	12.29	13.20
15	QPSK	1	74	12.12	12.29		12.13	12.19	13.20
15	QPSK	36	0	12.15	12.23		12.23	12.16	13.20
15	QPSK	36	20	12.15	12.20		12.14	12.15	13.20
15	QPSK	36	39	12.11	12.18		12.19	12.27	13.20
15	QPSK	75	0	12.12	12.19		12.21	12.19	13.20
15	16QAM	1	0	12.26	12.22		12.11	12.28	13.20
15	16QAM	1	37	12.14	12.21		12.19	12.21	13.20
15	16QAM	1	74	12.18	12.20		12.08	12.14	13.20
15	16QAM	36	0	12.17	12.31		12.13	12.30	13.20
15	16QAM	36	20	12.26	12.30		12.19	12.16	13.20
15	16QAM	36	39	12.10	12.19		12.12	12.23	13.20
15	16QAM	75	0	12.20	12.26		12.18	12.13	13.20
15	64QAM	1	0	12.16	12.20		12.17	12.17	13.20
15	64QAM	1	37	12.15	12.17		12.16	12.28	13.20



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15	64QAM	1	74	12.18	12.22		12.15	12.18	13.20
15	64QAM	36	0	12.17	12.24		12.15	12.22	13.20
15	64QAM	36	20	12.14	12.17		12.09	12.17	13.20
15	64QAM	36	39	12.25	12.22		12.09	12.21	13.20
15	64QAM	75	0	12.25	12.19		12.16	12.15	13.20
15	256QAM	1	0	12.13	12.21		12.22	12.10	13.20
15	256QAM	1	37	12.20	12.24		12.12	12.18	13.20
15	256QAM	1	74	12.14	12.24		12.12	12.07	13.20
15	256QAM	36	0	12.17	12.26		12.23	12.19	13.20
15	256QAM	36	20	12.21	12.16		12.19	12.24	13.20
15	256QAM	36	39	12.24	12.21		12.12	12.18	13.20
15	256QAM	75	0	12.11	12.23		12.08	12.19	13.20
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	12.33	12.27		12.28	12.25	13.20
10	QPSK	1	25	12.21	12.20		12.12	12.24	13.20
10	QPSK	1	49	12.22	12.29		12.23	12.23	13.20
10	QPSK	25	0	12.18	12.32		12.25	12.15	13.20
10	QPSK	25	12	12.10	12.11		12.16	12.18	13.20
10	QPSK	25	25	12.11	12.18		12.25	12.20	13.20
10	QPSK	50	0	12.19	12.12		12.17	12.27	13.20
10	16QAM	1	0	12.25	12.23		12.15	12.17	13.20
10	16QAM	1	25	12.13	12.20		12.17	12.20	13.20
10	16QAM	1	49	12.22	12.16		12.06	12.17	13.20
10	16QAM	25	0	12.15	12.25		12.06	12.23	13.20
10	16QAM	25	12	12.16	12.21		12.16	12.19	13.20
10	16QAM	25	25	12.10	12.24		12.11	12.19	13.20
10	16QAM	50	0	12.20	12.24		12.13	12.10	13.20
10	64QAM	1	0	12.13	12.27		12.15	12.27	13.20
10	64QAM	1	25	12.20	12.14		12.13	12.25	13.20
10	64QAM	1	49	12.12	12.23		12.14	12.21	13.20
10	64QAM	25	0	12.14	12.24		12.15	12.19	13.20
10	64QAM	25	12	12.26	12.26		12.20	12.20	13.20
10	64QAM	25	25	12.25	12.10		12.15	12.10	13.20
10	64QAM	50	0	12.28	12.16		12.13	12.16	13.20
10	256QAM	1	0	12.18	12.28		12.18	12.16	13.20
10	256QAM	1	25	12.13	12.27		12.11	12.12	13.20
10	256QAM	1	49	12.06	12.25		12.15	12.19	13.20
10	256QAM	25	0	12.14	12.20		12.27	12.20	13.20
10	256QAM	25	12	12.15	12.15		12.18	12.19	13.20
10	256QAM	25	25	12.18	12.32		12.14	12.26	13.20
10	256QAM	50	0	12.11	12.24		12.09	12.15	13.20
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	12.25	12.25		12.26	12.34	13.20
5	QPSK	1	12	12.11	12.20		12.18	12.25	13.20
5	QPSK	1	24	12.23	12.21		12.13	12.21	13.20
5	QPSK	12	0	12.21	12.34		12.15	12.23	13.20
5	QPSK	12	7	12.11	12.19		12.23	12.15	13.20
5	QPSK	12	13	12.13	12.22		12.18	12.20	13.20
5	QPSK	25	0	12.18	12.17		12.17	12.19	13.20
5	16QAM	1	0	12.23	12.19		12.21	12.18	13.20
5	16QAM	1	12	12.21	12.16		12.05	12.23	13.20
5	16QAM	1	24	12.11	12.29		12.12	12.23	13.20
5	16QAM	12	0	12.26	12.30		12.12	12.26	13.20
5	16QAM	12	7	12.21	12.24		12.14	12.11	13.20
5	16QAM	12	13	12.16	12.15		12.11	12.21	13.20
5	16QAM	25	0	12.25	12.21		12.07	12.12	13.20
5	64QAM	1	0	12.23	12.29		12.13	12.24	13.20
5	64QAM	1	12	12.15	12.26		12.14	12.22	13.20
5	64QAM	1	24	12.20	12.31		12.11	12.18	13.20
5	64QAM	12	0	12.09	12.18		12.21	12.23	13.20
5	64QAM	12	7	12.22	12.23		12.10	12.16	13.20
5	64QAM	12	13	12.31	12.22		12.16	12.19	13.20
5	64QAM	25	0	12.14	12.13		12.16	12.12	13.20
5	256QAM	1	0	12.13	12.25		12.24	12.08	13.20
5	256QAM	1	12	12.16	12.20		12.20	12.17	13.20
5	256QAM	1	24	12.13	12.29		12.16	12.16	13.20
5	256QAM	12	0	12.13	12.28		12.15	12.20	13.20
5	256QAM	12	7	12.15	12.23		12.14	12.18	13.20
5	256QAM	12	13	12.25	12.31		12.19	12.15	13.20
5	256QAM	25	0	12.12	12.23		12.13	12.12	13.20

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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	19.68	19.82		19.77	19.69	21.10
20	QPSK	1	49	19.30	19.53		19.37	19.31	21.10
20	QPSK	1	99	19.46	19.65		19.49	19.38	21.10
20	QPSK	50	0	19.56	19.70		19.62	19.69	21.10
20	QPSK	50	24	19.41	19.61		19.55	19.43	21.10
20	QPSK	50	50	19.50	19.69		19.43	19.48	21.10
20	QPSK	100	0	19.55	19.56		19.42	19.45	21.10
20	16QAM	1	0	19.35	19.55		19.38	19.37	21.10
20	16QAM	1	49	19.53	19.70		19.52	19.53	21.10
20	16QAM	1	99	19.37	19.55		19.37	19.34	21.10
20	16QAM	50	0	19.45	19.69		19.63	19.53	21.10
20	16QAM	50	24	19.37	19.65		19.56	19.50	21.10
20	16QAM	50	50	19.44	19.59		19.49	19.41	21.10
20	16QAM	100	0	19.54	19.70		19.63	19.45	21.10
20	64QAM	1	0	19.47	19.66		19.53	19.45	21.10
20	64QAM	1	49	19.49	19.66		19.49	19.47	21.10
20	64QAM	1	99	19.42	19.68		19.55	19.46	21.10
20	64QAM	50	0	19.38	19.60		19.42	19.44	21.00
20	64QAM	50	24	19.43	19.67		19.59	19.39	21.00
20	64QAM	50	50	19.35	19.61		19.52	19.40	21.00
20	64QAM	100	0	19.39	19.59		19.40	19.42	21.00
20	256QAM	1	0	17.35	17.61		17.46	17.45	19.00
20	256QAM	1	49	17.46	17.63		17.45	17.48	19.00
20	256QAM	1	99	17.33	17.57		17.45	17.44	19.00
20	256QAM	50	0	17.30	17.56		17.50	17.34	19.00
20	256QAM	50	24	17.46	17.60		17.44	17.34	19.00
20	256QAM	50	50	17.36	17.53		17.39	17.34	19.00
20	256QAM	100	0	17.38	17.65		17.54	17.40	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	19.59	19.74		19.65	19.61	21.10
15	QPSK	1	37	19.23	19.43		19.25	19.25	21.10
15	QPSK	1	74	19.37	19.63		19.44	19.32	21.10
15	QPSK	36	0	19.41	19.59		19.49	19.67	21.10
15	QPSK	36	20	19.33	19.57		19.54	19.28	21.10
15	QPSK	36	39	19.46	19.61		19.49	19.43	21.10
15	QPSK	75	0	19.41	19.53		19.37	19.40	21.10
15	16QAM	1	0	19.20	19.53		19.25	19.30	21.10
15	16QAM	1	37	19.45	19.61		19.46	19.46	21.10
15	16QAM	1	74	19.33	19.52		19.35	19.27	21.10
15	16QAM	36	0	19.31	19.63		19.49	19.46	21.10
15	16QAM	36	20	19.28	19.55		19.46	19.40	21.10
15	16QAM	36	39	19.37	19.57		19.39	19.26	21.10
15	16QAM	75	0	19.49	19.69		19.56	19.37	21.10
15	64QAM	1	0	19.44	19.52		19.49	19.43	21.10
15	64QAM	1	37	19.42	19.59		19.37	19.38	21.10
15	64QAM	1	74	19.40	19.65		19.45	19.33	21.10
15	64QAM	36	0	19.27	19.57		19.27	19.41	21.00
15	64QAM	36	20	19.32	19.55		19.49	19.25	21.00
15	64QAM	36	39	19.30	19.58		19.45	19.34	21.00
15	64QAM	75	0	19.38	19.50		19.33	19.29	21.00
15	256QAM	1	0	17.31	17.56		17.43	17.41	19.00
15	256QAM	1	37	17.42	17.60		17.41	17.45	19.00
15	256QAM	1	74	17.23	17.53		17.33	17.37	19.00
15	256QAM	36	0	17.23	17.45		17.47	17.28	19.00
15	256QAM	36	20	17.34	17.58		17.38	17.33	19.00
15	256QAM	36	39	17.33	17.39		17.27	17.29	19.00
15	256QAM	75	0	17.32	17.58		17.40	17.37	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	19.57	19.75		19.63	19.55	21.10
10	QPSK	1	25	19.17	19.43		19.27	19.27	21.10
10	QPSK	1	49	19.44	19.58		19.35	19.32	21.10
10	QPSK	25	0	19.42	19.63		19.57	19.66	21.10
10	QPSK	25	12	19.40	19.59		19.44	19.37	21.10
10	QPSK	25	25	19.37	19.64		19.53	19.42	21.10
10	QPSK	50	0	19.50	19.50		19.38	19.37	21.10
10	16QAM	1	0	19.25	19.48		19.24	19.30	21.10
10	16QAM	1	25	19.46	19.58		19.40	19.52	21.10
10	16QAM	1	49	19.24	19.50		19.27	19.30	21.10



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10	16QAM	25	0	19.40	19.59		19.51	19.46	21.10
10	16QAM	25	12	19.29	19.58		19.46	19.36	21.10
10	16QAM	25	25	19.42	19.56		19.38	19.38	21.10
10	16QAM	50	0	19.44	19.65		19.54	19.37	21.10
10	64QAM	1	0	19.43	19.52		19.42	19.33	21.10
10	64QAM	1	25	19.37	19.54		19.42	19.39	21.10
10	64QAM	1	49	19.34	19.62		19.49	19.37	21.10
10	64QAM	25	0	19.26	19.52		19.39	19.34	21.00
10	64QAM	25	12	19.38	19.56		19.53	19.26	21.00
10	64QAM	25	25	19.26	19.53		19.48	19.28	21.00
10	64QAM	50	0	19.36	19.51		19.26	19.36	21.00
10	256QAM	1	0	17.32	17.54		17.42	17.42	19.00
10	256QAM	1	25	17.37	17.54		17.41	17.34	19.00
10	256QAM	1	49	17.23	17.45		17.41	17.34	19.00
10	256QAM	25	0	17.27	17.50		17.40	17.23	19.00
10	256QAM	25	12	17.43	17.47		17.36	17.27	19.00
10	256QAM	25	25	17.21	17.52		17.33	17.20	19.00
10	256QAM	50	0	17.37	17.63		17.48	17.28	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	19.58	19.79		19.62	19.62	21.10
5	QPSK	1	12	19.20	19.50		19.29	19.25	21.10
5	QPSK	1	24	19.39	19.60		19.44	19.33	21.10
5	QPSK	12	0	19.52	19.60		19.57	19.62	21.10
5	QPSK	12	7	19.34	19.57		19.48	19.34	21.10
5	QPSK	12	13	19.36	19.57		19.51	19.36	21.10
5	QPSK	25	0	19.51	19.49		19.37	19.39	21.10
5	16QAM	1	0	19.25	19.49		19.33	19.25	21.10
5	16QAM	1	12	19.50	19.67		19.41	19.38	21.10
5	16QAM	1	24	19.33	19.45		19.35	19.26	21.10
5	16QAM	12	0	19.42	19.55		19.51	19.40	21.10
5	16QAM	12	7	19.31	19.62		19.42	19.46	21.10
5	16QAM	12	13	19.29	19.49		19.38	19.35	21.10
5	16QAM	25	0	19.40	19.65		19.61	19.43	21.10
5	64QAM	1	0	19.39	19.55		19.45	19.39	21.10
5	64QAM	1	12	19.38	19.64		19.35	19.41	21.10
5	64QAM	1	24	19.28	19.55		19.51	19.34	21.10
5	64QAM	12	0	19.23	19.50		19.37	19.31	21.00
5	64QAM	12	7	19.33	19.55		19.47	19.27	21.00
5	64QAM	12	13	19.34	19.60		19.40	19.29	21.00
5	64QAM	25	0	19.29	19.49		19.32	19.32	21.00
5	256QAM	1	0	17.26	17.53		17.34	17.32	19.00
5	256QAM	1	12	17.44	17.58		17.42	17.43	19.00
5	256QAM	1	24	17.26	17.46		17.42	17.39	19.00
5	256QAM	12	0	17.27	17.46		17.40	17.32	19.00
5	256QAM	12	7	17.41	17.58		17.31	17.28	19.00
5	256QAM	12	13	17.21	17.47		17.28	17.32	19.00
5	256QAM	25	0	17.37	17.57		17.40	17.33	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.96	23.29		22.96	22.99	24.00
20	QPSK	1	49	22.50	22.53		22.59	22.56	24.00
20	QPSK	1	99	22.65	22.69		22.71	22.74	24.00
20	QPSK	50	0	21.95	22.06		21.88	21.99	23.00
20	QPSK	50	24	21.64	21.71		21.69	21.75	23.00
20	QPSK	50	50	21.82	21.95		21.88	21.92	23.00
20	QPSK	100	0	21.91	22.02		21.90	21.94	23.00
20	16QAM	1	0	21.87	21.87		21.75	21.79	23.00
20	16QAM	1	49	21.78	21.80		21.87	21.91	23.00
20	16QAM	1	99	21.84	21.88		21.77	21.88	23.00
20	16QAM	50	0	20.93	20.84		20.82	20.97	22.00
20	16QAM	50	24	20.76	20.68		20.75	20.73	22.00
20	16QAM	50	50	20.68	20.77		20.76	20.79	22.00
20	16QAM	100	0	20.71	20.76		20.74	20.72	22.00
20	64QAM	1	0	20.84	20.90		20.88	20.89	22.00
20	64QAM	1	49	20.85	20.77		20.76	20.76	22.00
20	64QAM	1	99	20.89	20.84		20.88	20.80	22.00
20	64QAM	50	0	19.84	19.85		19.83	19.87	21.00
20	64QAM	50	24	19.89	19.81		19.76	19.87	21.00



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20	64QAM	50	50	19.85	19.83		19.87	19.91	21.00
20	64QAM	100	0	19.83	19.80		19.77	19.80	21.00
20	256QAM	1	0	17.71	17.79		17.77	17.66	19.00
20	256QAM	1	49	17.89	17.77		17.75	17.82	19.00
20	256QAM	1	99	17.98	17.98		17.87	17.87	19.00
20	256QAM	50	0	17.89	17.84		17.88	17.81	19.00
20	256QAM	50	24	17.73	17.87		17.86	17.89	19.00
20	256QAM	50	50	17.81	17.82		17.71	17.79	19.00
20	256QAM	100	0	17.79	17.80		17.75	17.88	19.00
Channel				55315	55820	55990	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	(dBm)
15	QPSK	1	0	22.92	22.84		22.89	22.88	24.00
15	QPSK	1	37	22.47	22.42		22.50	22.54	24.00
15	QPSK	1	74	22.56	22.66		22.61	22.63	24.00
15	QPSK	36	0	21.74	21.87		21.75	21.84	23.00
15	QPSK	36	20	21.51	21.63		21.62	21.73	23.00
15	QPSK	36	39	21.79	21.88		21.73	21.89	23.00
15	QPSK	75	0	21.87	21.73		21.81	21.89	23.00
15	16QAM	1	0	21.81	21.81		21.71	21.69	23.00
15	16QAM	1	37	21.70	21.67		21.77	21.87	23.00
15	16QAM	1	74	21.79	21.78		21.76	21.84	23.00
15	16QAM	36	0	20.83	20.72		20.71	20.94	22.00
15	16QAM	36	20	20.74	20.61		20.69	20.69	22.00
15	16QAM	36	39	20.59	20.74		20.66	20.71	22.00
15	16QAM	75	0	20.58	20.69		20.68	20.70	22.00
15	64QAM	1	0	20.70	20.82		20.85	20.88	22.00
15	64QAM	1	37	20.74	20.63		20.67	20.61	22.00
15	64QAM	1	74	20.84	20.77		20.79	20.76	22.00
15	64QAM	36	0	19.73	19.73		19.70	19.84	21.00
15	64QAM	36	20	19.81	19.74		19.62	19.73	21.00
15	64QAM	36	39	19.79	19.74		19.85	19.88	21.00
15	64QAM	75	0	19.72	19.78		19.67	19.79	21.00
15	256QAM	1	0	17.63	17.65		17.75	17.54	19.00
15	256QAM	1	37	17.86	17.73		17.67	17.76	19.00
15	256QAM	1	74	17.93	17.85		17.85	17.83	19.00
15	256QAM	36	0	17.79	17.77		17.81	17.74	19.00
15	256QAM	36	20	17.68	17.80		17.80	17.76	19.00
15	256QAM	36	39	17.78	17.76		17.63	17.75	19.00
15	256QAM	75	0	17.72	17.66		17.73	17.85	19.00
Channel				55290	55815	55990	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	(dBm)
10	QPSK	1	0	22.84	22.91		22.85	22.87	24.00
10	QPSK	1	25	22.47	22.51		22.46	22.43	24.00
10	QPSK	1	49	22.54	22.62		22.68	22.68	24.00
10	QPSK	25	0	21.67	21.92		21.87	21.90	23.00
10	QPSK	25	12	21.58	21.60		21.64	21.61	23.00
10	QPSK	25	25	21.73	21.83		21.82	21.81	23.00
10	QPSK	50	0	21.82	21.70		21.88	21.86	23.00
10	16QAM	1	0	21.76	21.85		21.69	21.64	23.00
10	16QAM	1	25	21.69	21.70		21.84	21.89	23.00
10	16QAM	1	49	21.74	21.76		21.74	21.86	23.00
10	16QAM	25	0	20.79	20.70		20.71	20.94	22.00
10	16QAM	25	12	20.75	20.60		20.63	20.67	22.00
10	16QAM	25	25	20.62	20.69		20.63	20.76	22.00
10	16QAM	50	0	20.68	20.62		20.59	20.67	22.00
10	64QAM	1	0	20.81	20.86		20.82	20.78	22.00
10	64QAM	1	25	20.79	20.64		20.72	20.64	22.00
10	64QAM	1	49	20.86	20.70		20.76	20.73	22.00
10	64QAM	25	0	19.81	19.83		19.75	19.76	21.00
10	64QAM	25	12	19.79	19.77		19.74	19.79	21.00
10	64QAM	25	25	19.75	19.73		19.83	19.88	21.00
10	64QAM	50	0	19.75	19.78		19.66	19.68	21.00
10	256QAM	1	0	17.63	17.73		17.65	17.56	19.00
10	256QAM	1	25	17.79	17.72		17.61	17.70	19.00
10	256QAM	1	49	17.94	17.89		17.76	17.83	19.00
10	256QAM	25	0	17.81	17.79		17.81	17.78	19.00
10	256QAM	25	12	17.61	17.85		17.73	17.87	19.00
10	256QAM	25	25	17.67	17.78		17.62	17.72	19.00
10	256QAM	50	0	17.65	17.73		17.67	17.75	19.00
Channel				55265	55810	55990	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	(dBm)
5	QPSK	1	0	22.95	22.84		22.86	22.93	24.00
5	QPSK	1	12	22.37	22.51		22.57	22.53	24.00
5	QPSK	1	24	22.53	22.55		22.57	22.67	24.00
5	QPSK	12	0	21.73	21.88		21.86	21.83	23.00
5	QPSK	12	7	21.55	21.70		21.56	21.62	23.00
5	QPSK	12	13	21.74	21.91		21.83	21.89	23.00
5	QPSK	25	0	21.87	21.80		21.86	21.82	23.00



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5	16QAM	1	0	21.77	21.80		21.74	21.72	23.00
5	16QAM	1	12	21.65	21.68		21.84	21.80	23.00
5	16QAM	1	24	21.81	21.76		21.69	21.81	23.00
5	16QAM	12	0	20.82	20.79		20.67	20.89	22.00
5	16QAM	12	7	20.62	20.57		20.68	20.60	22.00
5	16QAM	12	13	20.56	20.64		20.64	20.75	22.00
5	16QAM	25	0	20.66	20.66		20.63	20.63	22.00
5	64QAM	1	0	20.75	20.78		20.83	20.82	22.00
5	64QAM	1	12	20.78	20.73		20.74	20.70	22.00
5	64QAM	1	24	20.77	20.76		20.74	20.69	22.00
5	64QAM	12	0	19.78	19.77		19.78	19.80	21.00
5	64QAM	12	7	19.79	19.71		19.75	19.73	21.00
5	64QAM	12	13	19.81	19.77		19.78	19.85	21.00
5	64QAM	25	0	19.81	19.78		19.71	19.71	21.00
5	256QAM	1	0	17.66	17.66		17.76	17.60	19.00
5	256QAM	1	12	17.86	17.75		17.66	17.74	19.00
5	256QAM	1	24	17.92	17.87		17.80	17.85	19.00
5	256QAM	12	0	17.85	17.72		17.85	17.76	19.00
5	256QAM	12	7	17.60	17.72		17.84	17.85	19.00
5	256QAM	12	13	17.75	17.71		17.68	17.70	19.00
5	256QAM	25	0	17.74	17.69		17.68	17.86	19.00

【LTE Band 66_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.24	23.38	23.18	24.00
20	QPSK	1	49	23.07	23.18	23.10	24.00
20	QPSK	1	99	23.11	23.14	23.00	24.00
20	QPSK	50	0	22.09	22.20	22.12	23.00
20	QPSK	50	24	22.08	22.15	22.02	23.00
20	QPSK	50	50	22.03	22.19	22.10	23.00
20	QPSK	100	0	22.10	22.12	22.00	23.00
20	16QAM	1	0	22.33	22.35	22.20	23.00
20	16QAM	1	49	22.25	22.39	22.31	23.00
20	16QAM	1	99	22.25	22.31	22.10	23.00
20	16QAM	50	0	21.09	21.19	21.00	22.00
20	16QAM	50	24	21.08	21.21	21.02	22.00
20	16QAM	50	50	21.13	21.23	21.14	22.00
20	16QAM	100	0	21.01	21.14	21.01	22.00
20	64QAM	1	0	21.11	21.13	21.00	22.00
20	64QAM	1	49	21.12	21.25	21.11	22.00
20	64QAM	1	99	21.27	21.38	21.23	22.00
20	64QAM	50	0	20.07	20.11	20.02	21.00
20	64QAM	50	24	20.07	20.16	20.00	21.00
20	64QAM	50	50	20.18	20.21	20.07	21.00
20	64QAM	100	0	20.04	20.16	20.06	21.00
20	256QAM	1	0	18.37	18.50	18.41	19.00
20	256QAM	1	49	18.11	18.27	18.16	19.00
20	256QAM	1	99	18.17	18.26	18.19	19.00
20	256QAM	50	0	18.05	18.17	18.00	19.00
20	256QAM	50	24	18.00	18.11	18.00	19.00
20	256QAM	50	50	18.13	18.21	18.12	19.00
20	256QAM	100	0	18.02	18.12	18.01	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.12	23.15	23.15	24.00
15	QPSK	1	37	23.00	23.16	23.00	24.00
15	QPSK	1	74	23.01	23.02	23.00	24.00
15	QPSK	36	0	22.02	22.17	22.01	23.00
15	QPSK	36	20	22.01	22.08	22.01	23.00
15	QPSK	36	39	22.00	22.16	22.04	23.00
15	QPSK	75	0	22.01	22.05	22.01	23.00
15	16QAM	1	0	22.25	22.32	22.06	23.00
15	16QAM	1	37	22.22	22.36	22.23	23.00
15	16QAM	1	74	22.19	22.27	22.00	23.00
15	16QAM	36	0	21.03	21.08	21.01	22.00
15	16QAM	36	20	21.01	21.08	21.00	22.00
15	16QAM	36	39	21.07	21.19	21.11	22.00
15	16QAM	75	0	21.00	21.03	21.00	22.00
15	64QAM	1	0	21.09	21.07	21.00	22.00
15	64QAM	1	37	21.07	21.14	21.02	22.00



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15	64QAM	1	74	21.17	21.24	21.13	22.00
15	64QAM	36	0	20.01	20.06	20.01	21.00
15	64QAM	36	20	20.01	20.13	20.01	21.00
15	64QAM	36	39	20.10	20.11	20.01	21.00
15	64QAM	75	0	20.00	20.09	20.00	21.00
15	256QAM	1	0	18.22	18.40	18.38	19.00
15	256QAM	1	37	18.05	18.25	18.12	19.00
15	256QAM	1	74	18.04	18.23	18.05	19.00
15	256QAM	36	0	18.01	18.12	18.02	19.00
15	256QAM	36	20	18.01	18.04	18.01	19.00
15	256QAM	36	39	18.02	18.12	18.01	19.00
15	256QAM	75	0	18.01	18.04	18.00	19.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.11	23.14	23.15	24.00
10	QPSK	1	25	23.02	23.11	23.06	24.00
10	QPSK	1	49	23.00	23.06	23.01	24.00
10	QPSK	25	0	22.06	22.05	22.00	23.00
10	QPSK	25	12	22.00	22.00	22.00	23.00
10	QPSK	25	25	22.01	22.05	22.07	23.00
10	QPSK	50	0	22.04	22.05	22.00	23.00
10	16QAM	1	0	22.28	22.27	22.09	23.00
10	16QAM	1	25	22.12	22.31	22.22	23.00
10	16QAM	1	49	22.19	22.20	22.07	23.00
10	16QAM	25	0	21.01	21.11	21.00	22.00
10	16QAM	25	12	21.01	21.18	21.00	22.00
10	16QAM	25	25	21.02	21.11	21.10	22.00
10	16QAM	50	0	21.00	21.03	21.00	22.00
10	64QAM	1	0	21.09	21.00	21.02	22.00
10	64QAM	1	25	21.01	21.11	21.04	22.00
10	64QAM	1	49	21.25	21.28	21.12	22.00
10	64QAM	25	0	20.01	20.01	20.00	21.00
10	64QAM	25	12	20.05	20.01	20.01	21.00
10	64QAM	25	25	20.04	20.14	20.00	21.00
10	64QAM	50	0	20.01	20.13	20.05	21.00
10	256QAM	1	0	18.31	18.42	18.30	19.00
10	256QAM	1	25	18.04	18.21	18.02	19.00
10	256QAM	1	49	18.08	18.13	18.11	19.00
10	256QAM	25	0	18.02	18.11	18.00	19.00
10	256QAM	25	12	18.00	18.02	18.01	19.00
10	256QAM	25	25	18.04	18.11	18.01	19.00
10	256QAM	50	0	18.01	18.01	18.01	19.00
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.21	23.17	23.04	24.00
5	QPSK	1	12	23.04	23.05	23.05	24.00
5	QPSK	1	24	23.01	23.11	23.00	24.00
5	QPSK	12	0	22.03	22.16	22.01	23.00
5	QPSK	12	7	22.02	22.05	22.01	23.00
5	QPSK	12	13	22.01	22.15	22.01	23.00
5	QPSK	25	0	22.05	22.00	22.00	23.00
5	16QAM	1	0	22.26	22.26	22.09	23.00
5	16QAM	1	12	22.19	22.26	22.16	23.00
5	16QAM	1	24	22.19	22.24	22.06	23.00
5	16QAM	12	0	21.02	21.06	21.00	22.00
5	16QAM	12	7	21.01	21.18	21.01	22.00
5	16QAM	12	13	21.00	21.16	21.04	22.00
5	16QAM	25	0	21.01	21.02	21.00	22.00
5	64QAM	1	0	21.01	21.03	21.00	22.00
5	64QAM	1	12	21.03	21.12	21.01	22.00
5	64QAM	1	24	21.19	21.24	21.14	22.00
5	64QAM	12	0	20.00	20.01	20.01	21.00
5	64QAM	12	7	20.00	20.08	20.01	21.00
5	64QAM	12	13	20.08	20.08	20.03	21.00
5	64QAM	25	0	20.01	20.03	20.02	21.00
5	256QAM	1	0	18.33	18.42	18.28	19.00
5	256QAM	1	12	18.05	18.23	18.05	19.00
5	256QAM	1	24	18.14	18.22	18.17	19.00
5	256QAM	12	0	18.00	18.02	18.00	19.00
5	256QAM	12	7	18.01	18.01	18.01	19.00
5	256QAM	12	13	18.01	18.14	18.09	19.00
5	256QAM	25	0	18.00	18.07	18.01	19.00
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.11	23.12	23.10	24.00
3	QPSK	1	8	23.01	23.13	23.01	24.00
3	QPSK	1	14	23.00	23.04	23.00	24.00
3	QPSK	8	0	22.00	22.11	22.07	23.00



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3	QPSK	8	4	22.02	22.10	22.01	23.00
3	QPSK	8	7	22.00	22.15	22.05	23.00
3	QPSK	15	0	22.00	22.07	22.02	23.00
3	16QAM	1	0	22.31	22.24	22.08	23.00
3	16QAM	1	8	22.19	22.29	22.22	23.00
3	16QAM	1	14	22.18	22.28	22.00	23.00
3	16QAM	8	0	21.01	21.04	21.01	22.00
3	16QAM	8	4	21.01	21.12	21.00	22.00
3	16QAM	8	7	21.06	21.17	21.12	22.00
3	16QAM	15	0	21.02	21.08	21.00	22.00
3	64QAM	1	0	21.06	21.06	21.00	22.00
3	64QAM	1	8	21.09	21.16	21.04	22.00
3	64QAM	1	14	21.15	21.25	21.17	22.00
3	64QAM	8	0	20.00	20.03	20.00	21.00
3	64QAM	8	4	20.04	20.09	20.00	21.00
3	64QAM	8	7	20.03	20.16	20.02	21.00
3	64QAM	15	0	20.03	20.06	20.03	21.00
3	256QAM	1	0	18.32	18.41	18.34	19.00
3	256QAM	1	8	18.03	18.14	18.03	19.00
3	256QAM	1	14	18.16	18.18	18.04	19.00
3	256QAM	8	0	18.04	18.16	18.02	19.00
3	256QAM	8	4	18.01	18.07	18.01	19.00
3	256QAM	8	7	18.00	18.16	18.00	19.00
3	256QAM	15	0	18.00	18.10	18.01	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.09	23.13	23.06	24.00
1.4	QPSK	1	3	23.01	23.08	23.07	24.00
1.4	QPSK	1	5	23.06	23.03	23.01	24.00
1.4	QPSK	3	0	23.00	23.06	23.04	24.00
1.4	QPSK	3	1	23.01	23.04	23.01	24.00
1.4	QPSK	3	3	23.00	23.07	23.01	24.00
1.4	QPSK	6	0	22.00	22.09	22.01	23.00
1.4	16QAM	1	0	22.20	22.22	22.06	23.00
1.4	16QAM	1	3	22.19	22.36	22.23	23.00
1.4	16QAM	1	5	22.12	22.18	22.00	23.00
1.4	16QAM	3	0	22.01	22.11	22.00	23.00
1.4	16QAM	3	1	22.06	22.17	22.01	23.00
1.4	16QAM	3	3	22.04	22.08	22.09	23.00
1.4	16QAM	6	0	21.01	21.06	21.01	22.00
1.4	64QAM	1	0	21.00	21.11	21.01	22.00
1.4	64QAM	1	3	21.02	21.20	21.04	22.00
1.4	64QAM	1	5	21.18	21.26	21.12	22.00
1.4	64QAM	3	0	21.01	21.05	21.01	22.00
1.4	64QAM	3	1	21.02	21.04	21.00	22.00
1.4	64QAM	3	3	21.05	21.11	21.01	22.00
1.4	64QAM	6	0	20.02	20.08	20.05	21.00
1.4	256QAM	1	0	18.33	18.43	18.27	19.00
1.4	256QAM	1	3	18.01	18.20	18.10	19.00
1.4	256QAM	1	5	18.13	18.20	18.07	19.00
1.4	256QAM	3	0	18.00	18.05	18.00	19.00
1.4	256QAM	3	1	18.00	18.01	18.00	19.00
1.4	256QAM	3	3	18.05	18.07	18.00	19.00
1.4	256QAM	6	0	18.00	18.01	18.00	19.00

【LTE Band 66_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit(dBm)		
Channel				132072	132322	132572	132072	132322	132572
Frequency (MHz)				1720	1745	1770	1720	1745	1770
20	QPSK	1	0	20.40	20.53	20.47	21.50	21.50	21.50
20	QPSK	1	49	20.16	20.36	20.16	21.50	21.50	21.50
20	QPSK	1	99	19.95	20.16	20.00	21.50	21.50	21.50
20	QPSK	50	0	20.21	20.41	20.20	21.50	21.50	21.50
20	QPSK	50	24	20.01	20.22	20.07	21.50	21.50	21.50
20	QPSK	50	50	20.05	20.24	20.15	21.50	21.50	21.50
20	QPSK	100	0	20.09	20.25	20.14	21.50	21.50	21.50
20	16QAM	1	0	19.96	20.16	19.95	21.50	21.50	21.50
20	16QAM	1	49	20.17	20.31	20.24	21.50	21.50	21.50
20	16QAM	1	99	20.08	20.23	20.10	21.50	21.50	21.50
20	16QAM	50	0	20.05	20.24	20.14	21.50	21.50	21.50
20	16QAM	50	24	19.98	20.22	20.05	21.50	21.50	21.50



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20	16QAM	50	50	20.17	20.32	20.12	21.50	21.50	21.50
20	16QAM	100	0	19.92	20.19	20.03	21.50	21.50	21.50
20	64QAM	1	0	19.90	20.15	19.95	21.50	21.50	21.50
20	64QAM	1	49	20.10	20.28	20.15	21.50	21.50	21.50
20	64QAM	1	99	20.20	20.38	20.23	21.50	21.50	21.50
20	64QAM	50	0	19.88	20.11	20.02	21.00	21.00	21.00
20	64QAM	50	24	19.91	20.16	19.98	21.00	21.00	21.00
20	64QAM	50	50	20.01	20.21	20.03	21.00	21.00	21.00
20	64QAM	100	0	19.96	20.16	20.07	21.00	21.00	21.00
20	256QAM	1	0	18.34	18.50	18.40	19.00	18.00	19.00
20	256QAM	1	49	18.05	18.27	18.18	19.00	19.00	19.00
20	256QAM	1	99	18.10	18.26	18.18	19.00	19.00	19.00
20	256QAM	50	0	18.02	18.17	18.01	19.00	19.00	19.00
20	256QAM	50	24	17.90	18.11	18.02	19.00	19.00	19.00
20	256QAM	50	50	18.05	18.21	18.15	19.00	19.00	19.00
20	256QAM	100	0	17.99	18.12	18.01	19.00	19.00	19.00
Channel				132047	132322	132597	132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5	1717.5	1745	1772.5
15	QPSK	1	0	20.36	20.44	20.46	21.50	21.50	21.50
15	QPSK	1	37	20.13	20.26	20.07	21.50	21.50	21.50
15	QPSK	1	74	19.87	20.09	19.98	21.50	21.50	21.50
15	QPSK	36	0	20.08	20.37	20.15	21.50	21.50	21.50
15	QPSK	36	20	19.90	20.17	19.98	21.50	21.50	21.50
15	QPSK	36	39	20.00	20.20	20.04	21.50	21.50	21.50
15	QPSK	75	0	19.98	20.17	20.06	21.50	21.50	21.50
15	16QAM	1	0	19.92	20.13	19.86	21.50	21.50	21.50
15	16QAM	1	37	20.14	20.26	20.11	21.50	21.50	21.50
15	16QAM	1	74	20.07	20.12	20.04	21.50	21.50	21.50
15	16QAM	36	0	19.92	20.21	20.02	21.50	21.50	21.50
15	16QAM	36	20	19.97	20.12	19.91	21.50	21.50	21.50
15	16QAM	36	39	20.04	20.22	19.98	21.50	21.50	21.50
15	16QAM	75	0	19.90	20.13	19.94	21.50	21.50	21.50
15	64QAM	1	0	19.83	20.13	19.81	21.50	21.50	21.50
15	64QAM	1	37	19.99	20.15	20.09	21.50	21.50	21.50
15	64QAM	1	74	20.10	20.33	20.21	21.50	21.50	21.50
15	64QAM	36	0	19.84	20.02	19.91	21.00	21.00	21.00
15	64QAM	36	20	19.83	20.15	19.90	21.00	21.00	21.00
15	64QAM	36	39	19.87	20.06	19.90	21.00	21.00	21.00
15	64QAM	75	0	19.92	20.05	19.95	21.00	21.00	21.00
15	256QAM	1	0	18.25	18.41	18.26	19.00	18.00	19.00
15	256QAM	1	37	18.04	18.21	18.13	19.00	19.00	19.00
15	256QAM	1	74	17.99	18.16	18.07	19.00	19.00	19.00
15	256QAM	36	0	17.96	18.12	17.96	19.00	19.00	19.00
15	256QAM	36	20	17.87	18.06	17.91	19.00	19.00	19.00
15	256QAM	36	39	17.91	18.15	18.08	19.00	19.00	19.00
15	256QAM	75	0	17.90	18.07	17.96	19.00	19.00	19.00
Channel				132022	132322	132622	132022	132322	132622
Frequency (MHz)				1715	1745	1775	1715	1745	1775
10	QPSK	1	0	20.38	20.40	20.38	21.50	21.50	21.50
10	QPSK	1	25	20.15	20.30	20.02	21.50	21.50	21.50
10	QPSK	1	49	19.80	20.03	19.87	21.50	21.50	21.50
10	QPSK	25	0	20.06	20.30	20.11	21.50	21.50	21.50
10	QPSK	25	12	19.90	20.14	20.02	21.50	21.50	21.50
10	QPSK	25	25	19.96	20.13	20.14	21.50	21.50	21.50
10	QPSK	50	0	20.05	20.21	19.99	21.50	21.50	21.50
10	16QAM	1	0	19.88	20.12	19.85	21.50	21.50	21.50
10	16QAM	1	25	20.07	20.18	20.16	21.50	21.50	21.50
10	16QAM	1	49	19.99	20.12	19.96	21.50	21.50	21.50
10	16QAM	25	0	20.04	20.14	20.05	21.50	21.50	21.50
10	16QAM	25	12	19.86	20.13	19.90	21.50	21.50	21.50
10	16QAM	25	25	20.14	20.17	20.03	21.50	21.50	21.50
10	16QAM	50	0	19.84	20.13	19.99	21.50	21.50	21.50
10	64QAM	1	0	19.87	20.03	19.84	21.50	21.50	21.50
10	64QAM	1	25	20.06	20.18	20.13	21.50	21.50	21.50
10	64QAM	1	49	20.19	20.28	20.19	21.50	21.50	21.50
10	64QAM	25	0	19.85	19.97	19.92	21.00	21.00	21.00
10	64QAM	25	12	19.89	20.06	19.92	21.00	21.00	21.00
10	64QAM	25	25	19.94	20.12	19.98	21.00	21.00	21.00
10	64QAM	50	0	19.81	20.09	19.99	21.00	21.00	21.00
10	256QAM	1	0	18.32	18.48	18.35	19.00	18.00	19.00
10	256QAM	1	25	17.96	18.23	18.09	19.00	19.00	19.00
10	256QAM	1	49	17.99	18.16	18.10	19.00	19.00	19.00
10	256QAM	25	0	17.89	18.09	17.90	19.00	19.00	19.00
10	256QAM	25	12	17.80	17.98	17.96	19.00	19.00	19.00
10	256QAM	25	25	18.03	18.16	18.06	19.00	19.00	19.00
10	256QAM	50	0	17.92	18.07	17.97	19.00	19.00	19.00
Channel				131997	132322	132647	131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5	1712.5	1745	1777.5



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5	QPSK	1	0	20.29	20.41	20.34	21.50	21.50	21.50
5	QPSK	1	12	20.11	20.34	20.02	21.50	21.50	21.50
5	QPSK	1	24	19.83	20.05	19.90	21.50	21.50	21.50
5	QPSK	12	0	20.11	20.39	20.14	21.50	21.50	21.50
5	QPSK	12	7	19.92	20.20	20.03	21.50	21.50	21.50
5	QPSK	12	13	19.97	20.14	20.06	21.50	21.50	21.50
5	QPSK	25	0	20.07	20.24	20.12	21.50	21.50	21.50
5	16QAM	1	0	19.90	20.11	19.83	21.50	21.50	21.50
5	16QAM	1	12	20.13	20.17	20.18	21.50	21.50	21.50
5	16QAM	1	24	19.97	20.13	19.97	21.50	21.50	21.50
5	16QAM	12	0	19.93	20.21	20.02	21.50	21.50	21.50
5	16QAM	12	7	19.94	20.12	19.96	21.50	21.50	21.50
5	16QAM	12	13	20.10	20.27	20.03	21.50	21.50	21.50
5	16QAM	25	0	19.82	20.09	19.97	21.50	21.50	21.50
5	64QAM	1	0	19.79	20.06	19.94	21.50	21.50	21.50
5	64QAM	1	12	20.05	20.25	20.03	21.50	21.50	21.50
5	64QAM	1	24	20.18	20.31	20.08	21.50	21.50	21.50
5	64QAM	12	0	19.79	20.05	19.87	21.00	21.00	21.00
5	64QAM	12	7	19.81	20.08	19.83	21.00	21.00	21.00
5	64QAM	12	13	19.96	20.09	19.99	21.00	21.00	21.00
5	64QAM	25	0	19.88	20.03	20.02	21.00	21.00	21.00
5	256QAM	1	0	18.26	18.38	18.37	19.00	18.00	19.00
5	256QAM	1	12	17.95	18.16	18.12	19.00	19.00	19.00
5	256QAM	1	24	18.08	18.12	18.12	19.00	19.00	19.00
5	256QAM	12	0	17.95	18.13	17.99	19.00	19.00	19.00
5	256QAM	12	7	17.81	18.03	17.90	19.00	19.00	19.00
5	256QAM	12	13	17.92	18.18	18.08	19.00	19.00	19.00
5	256QAM	25	0	17.88	17.97	17.98	19.00	19.00	19.00
Channel				131987	132322	132657	131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5	1711.5	1745	1778.5
3	QPSK	1	0	20.36	20.47	20.44	21.50	21.50	21.50
3	QPSK	1	8	20.07	20.24	20.12	21.50	21.50	21.50
3	QPSK	1	14	19.80	20.12	19.95	21.50	21.50	21.50
3	QPSK	8	0	20.17	20.38	20.17	21.50	21.50	21.50
3	QPSK	8	4	19.90	20.21	20.04	21.50	21.50	21.50
3	QPSK	8	7	19.93	20.11	20.10	21.50	21.50	21.50
3	QPSK	15	0	19.98	20.18	20.01	21.50	21.50	21.50
3	16QAM	1	0	19.92	20.04	19.89	21.50	21.50	21.50
3	16QAM	1	8	20.12	20.18	20.11	21.50	21.50	21.50
3	16QAM	1	14	20.00	20.20	20.07	21.50	21.50	21.50
3	16QAM	8	0	19.95	20.14	20.03	21.50	21.50	21.50
3	16QAM	8	4	19.91	20.12	19.94	21.50	21.50	21.50
3	16QAM	8	7	20.05	20.25	20.07	21.50	21.50	21.50
3	16QAM	15	0	19.81	20.14	19.98	21.50	21.50	21.50
3	64QAM	1	0	19.76	20.04	19.90	21.50	21.50	21.50
3	64QAM	1	8	20.03	20.20	20.10	21.50	21.50	21.50
3	64QAM	1	14	20.11	20.23	20.20	21.50	21.50	21.50
3	64QAM	8	0	19.76	20.00	19.95	21.00	21.00	21.00
3	64QAM	8	4	19.76	20.13	19.83	21.00	21.00	21.00
3	64QAM	8	7	19.97	20.08	20.00	21.00	21.00	21.00
3	64QAM	15	0	19.92	20.06	19.93	21.00	21.00	21.00
3	256QAM	1	0	18.25	18.45	18.25	19.00	18.00	19.00
3	256QAM	1	8	17.97	18.23	18.08	19.00	19.00	19.00
3	256QAM	1	14	18.00	18.22	18.14	19.00	19.00	19.00
3	256QAM	8	0	17.98	18.02	17.88	19.00	19.00	19.00
3	256QAM	8	4	17.81	18.07	18.00	19.00	19.00	19.00
3	256QAM	8	7	18.01	18.13	18.12	19.00	19.00	19.00
3	256QAM	15	0	17.85	18.01	17.94	19.00	19.00	19.00
Channel				131979	132322	132665	131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3	1710.7	1745	1779.3
1.4	QPSK	1	0	20.29	20.47	20.41	21.50	21.50	21.50
1.4	QPSK	1	3	20.06	20.32	20.12	21.50	21.50	21.50
1.4	QPSK	1	5	19.83	20.05	19.95	21.50	21.50	21.50
1.4	QPSK	3	0	20.14	20.29	20.17	21.50	21.50	21.50
1.4	QPSK	3	1	19.98	20.15	20.05	21.50	21.50	21.50
1.4	QPSK	3	3	19.92	20.15	20.07	21.50	21.50	21.50
1.4	QPSK	6	0	20.00	20.18	20.09	21.50	21.50	21.50
1.4	16QAM	1	0	19.81	20.14	19.85	21.50	21.50	21.50
1.4	16QAM	1	3	20.08	20.16	20.22	21.50	21.50	21.50
1.4	16QAM	1	5	20.01	20.14	20.05	21.50	21.50	21.50
1.4	16QAM	3	0	19.91	20.17	20.10	21.50	21.50	21.50
1.4	16QAM	3	1	19.86	20.08	20.03	21.50	21.50	21.50
1.4	16QAM	3	3	20.11	20.21	20.06	21.50	21.50	21.50
1.4	16QAM	6	0	19.89	20.14	19.96	21.50	21.50	21.50
1.4	64QAM	1	0	19.85	20.06	19.93	21.50	21.50	21.50
1.4	64QAM	1	3	20.06	20.17	20.01	21.50	21.50	21.50
1.4	64QAM	1	5	20.19	20.24	20.18	21.50	21.50	21.50
1.4	64QAM	3	0	20.20	20.48	20.36	21.50	21.50	21.50



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1.4	64QAM	3	1	20.26	20.46	20.33	21.50	21.50	21.50
1.4	64QAM	3	3	20.26	20.47	20.30	21.50	21.50	21.50
1.4	64QAM	6	0	18.82	19.10	18.93	20.00	20.00	20.00
1.4	256QAM	1	0	17.30	17.40	17.32	18.00	18.00	18.00
1.4	256QAM	1	3	16.99	17.16	17.11	18.00	18.00	18.00
1.4	256QAM	1	5	16.96	17.21	17.10	18.00	18.00	18.00
1.4	256QAM	3	0	17.01	17.04	16.98	18.00	18.00	18.00
1.4	256QAM	3	1	16.80	17.09	16.98	18.00	18.00	18.00
1.4	256QAM	3	3	16.92	17.07	17.01	18.00	18.00	18.00
1.4	256QAM	6	0	16.86	17.07	16.87	18.00	18.00	18.00

【LTE Band 66_Ant 3_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.41	17.43	17.33	19.10
20	QPSK	1	49	17.10	17.13	17.10	19.10
20	QPSK	1	99	17.16	17.30	17.19	19.10
20	QPSK	50	0	17.15	17.29	17.19	19.10
20	QPSK	50	24	17.10	17.19	17.11	19.10
20	QPSK	50	50	17.14	17.22	17.12	19.10
20	QPSK	100	0	17.10	17.20	17.10	19.10
20	16QAM	1	0	17.25	17.35	17.22	19.10
20	16QAM	1	49	17.12	17.12	17.10	19.10
20	16QAM	1	99	17.27	17.31	17.17	19.10
20	16QAM	50	0	17.13	17.28	17.17	19.10
20	16QAM	50	24	17.10	17.26	17.17	19.10
20	16QAM	50	50	17.22	17.27	17.21	19.10
20	16QAM	100	0	17.10	17.21	17.11	19.10
20	64QAM	1	0	17.10	17.22	17.17	19.10
20	64QAM	1	49	17.17	17.27	17.16	19.10
20	64QAM	1	99	17.19	17.27	17.13	19.10
20	64QAM	50	0	17.18	17.22	17.14	19.10
20	64QAM	50	24	17.10	17.17	17.14	19.10
20	64QAM	50	50	17.11	17.10	17.10	19.10
20	64QAM	100	0	17.17	17.27	17.13	19.10
20	256QAM	1	0	17.18	17.21	17.09	19.00
20	256QAM	1	49	17.17	17.21	17.09	19.00
20	256QAM	1	99	17.15	17.20	17.14	19.00
20	256QAM	50	0	17.09	17.19	17.10	19.00
20	256QAM	50	24	17.12	17.24	17.11	19.00
20	256QAM	50	50	17.08	17.20	17.07	19.00
20	256QAM	100	0	17.30	17.34	17.20	19.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.39	17.36	17.28	19.10
15	QPSK	1	37	17.10	17.10	17.10	19.10
15	QPSK	1	74	17.10	17.19	17.10	19.10
15	QPSK	36	0	17.10	17.21	17.11	19.10
15	QPSK	36	20	17.10	17.17	17.11	19.10
15	QPSK	36	39	17.10	17.19	17.11	19.10
15	QPSK	75	0	17.10	17.17	17.11	19.10
15	16QAM	1	0	17.21	17.28	17.19	19.10
15	16QAM	1	37	17.11	17.10	17.10	19.10
15	16QAM	1	74	17.20	17.16	17.11	19.10
15	16QAM	36	0	17.10	17.25	17.10	19.10
15	16QAM	36	20	17.10	17.15	17.10	19.10
15	16QAM	36	39	17.21	17.18	17.18	19.10
15	16QAM	75	0	17.10	17.18	17.11	19.10
15	64QAM	1	0	17.11	17.11	17.12	19.10
15	64QAM	1	37	17.11	17.23	17.11	19.10
15	64QAM	1	74	17.12	17.25	17.12	19.10
15	64QAM	36	0	17.10	17.12	17.11	19.10
15	64QAM	36	20	17.10	17.10	17.11	19.10
15	64QAM	36	39	17.11	17.10	17.11	19.10
15	64QAM	75	0	17.11	17.15	17.10	19.10
15	256QAM	1	0	17.06	17.11	17.00	19.00
15	256QAM	1	37	17.04	17.19	17.08	19.00
15	256QAM	1	74	17.11	17.16	17.01	19.00
15	256QAM	36	0	17.04	17.16	17.00	19.00
15	256QAM	36	20	17.01	17.11	17.01	19.00
15	256QAM	36	39	17.00	17.10	17.02	19.00



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15	256QAM	75	0	17.19	17.20	17.13	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	17.35	17.41	17.41	19.10
10	QPSK	1	25	17.10	17.11	17.11	19.10
10	QPSK	1	49	17.12	17.28	17.12	19.10
10	QPSK	25	0	17.10	17.26	17.11	19.10
10	QPSK	25	12	17.12	17.10	17.11	19.10
10	QPSK	25	25	17.12	17.14	17.11	19.10
10	QPSK	50	0	17.10	17.12	17.11	19.10
10	16QAM	1	0	17.20	17.26	17.15	19.10
10	16QAM	1	25	17.10	17.10	17.12	19.10
10	16QAM	1	49	17.21	17.20	17.13	19.10
10	16QAM	25	0	17.10	17.20	17.16	19.10
10	16QAM	25	12	17.11	17.25	17.10	19.10
10	16QAM	25	25	17.10	17.13	17.10	19.10
10	16QAM	50	0	17.10	17.11	17.11	19.10
10	64QAM	1	0	17.10	17.10	17.12	19.10
10	64QAM	1	25	17.11	17.19	17.10	19.10
10	64QAM	1	49	17.13	17.22	17.10	19.10
10	64QAM	25	0	17.10	17.17	17.12	19.10
10	64QAM	25	12	17.12	17.12	17.11	19.10
10	64QAM	25	25	17.11	17.10	17.10	19.10
10	64QAM	50	0	17.10	17.13	17.10	19.10
10	256QAM	1	0	17.10	17.13	17.00	19.00
10	256QAM	1	25	17.03	17.08	17.00	19.00
10	256QAM	1	49	17.08	17.10	17.07	19.00
10	256QAM	25	0	17.07	17.11	17.06	19.00
10	256QAM	25	12	17.06	17.11	17.08	19.00
10	256QAM	25	25	17.02	17.12	17.05	19.00
10	256QAM	50	0	17.15	17.21	17.11	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.40	17.36	17.37	19.10
5	QPSK	1	12	17.10	17.11	17.10	19.10
5	QPSK	1	24	17.11	17.22	17.15	19.10
5	QPSK	12	0	17.12	17.26	17.12	19.10
5	QPSK	12	7	17.10	17.14	17.10	19.10
5	QPSK	12	13	17.10	17.15	17.11	19.10
5	QPSK	25	0	17.12	17.11	17.10	19.10
5	16QAM	1	0	17.17	17.24	17.14	19.10
5	16QAM	1	12	17.10	17.11	17.11	19.10
5	16QAM	1	24	17.23	17.19	17.12	19.10
5	16QAM	12	0	17.10	17.19	17.11	19.10
5	16QAM	12	7	17.10	17.20	17.13	19.10
5	16QAM	12	13	17.12	17.16	17.11	19.10
5	16QAM	25	0	17.11	17.19	17.11	19.10
5	64QAM	1	0	17.10	17.14	17.12	19.10
5	64QAM	1	12	17.12	17.15	17.14	19.10
5	64QAM	1	24	17.15	17.25	17.11	19.10
5	64QAM	12	0	17.14	17.19	17.13	19.10
5	64QAM	12	7	17.10	17.10	17.11	19.10
5	64QAM	12	13	17.10	17.12	17.11	19.10
5	64QAM	25	0	17.10	17.24	17.10	19.10
5	256QAM	1	0	17.05	17.16	17.02	19.00
5	256QAM	1	12	17.09	17.08	17.06	19.00
5	256QAM	1	24	17.05	17.08	17.13	19.00
5	256QAM	12	0	17.00	17.11	17.04	19.00
5	256QAM	12	7	17.00	17.20	17.02	19.00
5	256QAM	12	13	17.00	17.14	17.00	19.00
5	256QAM	25	0	17.18	17.27	17.15	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.27	17.34	17.37	19.10
3	QPSK	1	8	17.10	17.11	17.10	19.10
3	QPSK	1	14	17.13	17.28	17.11	19.10
3	QPSK	8	0	17.11	17.21	17.16	19.10
3	QPSK	8	4	17.10	17.10	17.10	19.10
3	QPSK	8	7	17.12	17.19	17.10	19.10
3	QPSK	15	0	17.11	17.11	17.12	19.10
3	16QAM	1	0	17.18	17.29	17.13	19.10
3	16QAM	1	8	17.12	17.11	17.10	19.10
3	16QAM	1	14	17.21	17.20	17.10	19.10
3	16QAM	8	0	17.10	17.19	17.14	19.10
3	16QAM	8	4	17.11	17.12	17.11	19.10
3	16QAM	8	7	17.18	17.16	17.13	19.10
3	16QAM	15	0	17.10	17.10	17.12	19.10
3	64QAM	1	0	17.10	17.10	17.14	19.10



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3	64QAM	1	8	17.12	17.26	17.14	19.10
3	64QAM	1	14	17.16	17.25	17.12	19.10
3	64QAM	8	0	17.10	17.12	17.11	19.10
3	64QAM	8	4	17.11	17.10	17.10	19.10
3	64QAM	8	7	17.12	17.11	17.10	19.10
3	64QAM	15	0	17.11	17.21	17.10	19.10
3	256QAM	1	0	17.12	17.11	17.02	19.00
3	256QAM	1	8	17.15	17.19	17.01	19.00
3	256QAM	1	14	17.05	17.10	17.01	19.00
3	256QAM	8	0	17.00	17.16	17.01	19.00
3	256QAM	8	4	17.11	17.22	17.04	19.00
3	256QAM	8	7	17.04	17.06	17.05	19.00
3	256QAM	15	0	17.27	17.20	17.10	19.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.27	17.33	17.30	19.10
1.4	QPSK	1	3	17.10	17.11	17.10	19.10
1.4	QPSK	1	5	17.14	17.20	17.10	19.10
1.4	QPSK	3	0	17.10	17.14	17.18	19.10
1.4	QPSK	3	1	17.11	17.11	17.10	19.10
1.4	QPSK	3	3	17.10	17.20	17.11	19.10
1.4	QPSK	6	0	17.10	17.14	17.10	19.10
1.4	16QAM	1	0	17.24	17.29	17.12	19.10
1.4	16QAM	1	3	17.10	17.10	17.12	19.10
1.4	16QAM	1	5	17.26	17.28	17.12	19.10
1.4	16QAM	3	0	17.10	17.22	17.15	19.10
1.4	16QAM	3	1	17.12	17.18	17.11	19.10
1.4	16QAM	3	3	17.13	17.19	17.10	19.10
1.4	16QAM	6	0	17.10	17.15	17.11	19.10
1.4	64QAM	1	0	17.11	17.12	17.14	19.10
1.4	64QAM	1	3	17.11	17.20	17.13	19.10
1.4	64QAM	1	5	17.15	17.14	17.10	19.10
1.4	64QAM	3	0	17.11	17.13	17.11	19.10
1.4	64QAM	3	1	17.11	17.11	17.12	19.10
1.4	64QAM	3	3	17.10	17.12	17.10	19.10
1.4	64QAM	6	0	17.11	17.16	17.10	19.10
1.4	256QAM	1	0	17.04	17.15	17.08	19.00
1.4	256QAM	1	3	17.03	17.15	17.01	19.00
1.4	256QAM	1	5	17.03	17.14	17.13	19.00
1.4	256QAM	3	0	17.07	17.09	17.08	19.00
1.4	256QAM	3	1	17.04	17.16	17.01	19.00
1.4	256QAM	3	3	17.00	17.12	17.02	19.00
1.4	256QAM	6	0	17.23	17.23	17.17	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.40	21.45	21.36	22.60
20	QPSK	1	49	21.10	21.20	21.06	22.60
20	QPSK	1	99	21.18	21.30	21.20	22.60
20	QPSK	50	0	21.27	21.30	21.25	22.60
20	QPSK	50	24	21.08	21.20	20.99	22.60
20	QPSK	50	50	21.10	21.26	21.05	22.60
20	QPSK	100	0	21.10	21.17	21.12	22.60
20	16QAM	1	0	21.07	21.21	21.09	22.60
20	16QAM	1	49	21.13	21.23	21.06	22.60
20	16QAM	1	99	21.09	21.25	21.09	22.60
20	16QAM	50	0	21.26	21.32	21.16	22.00
20	16QAM	50	24	21.12	21.25	21.11	22.00
20	16QAM	50	50	21.07	21.26	21.10	22.00
20	16QAM	100	0	21.07	21.17	20.94	22.00
20	64QAM	1	0	21.02	21.18	20.96	22.00
20	64QAM	1	49	21.02	21.18	21.06	22.00
20	64QAM	1	99	21.09	21.18	20.94	22.00
20	64QAM	50	0	20.09	20.27	20.05	21.00
20	64QAM	50	24	20.14	20.20	20.09	21.00
20	64QAM	50	50	20.13	20.25	20.04	21.00
20	64QAM	100	0	20.14	20.24	20.14	21.00
20	256QAM	1	0	18.16	18.29	18.07	19.00
20	256QAM	1	49	18.00	18.17	18.02	19.00
20	256QAM	1	99	18.04	18.17	17.97	19.00



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20	256QAM	50	0	18.20	18.34	18.13	19.00
20	256QAM	50	24	18.00	18.19	18.02	19.00
20	256QAM	50	50	18.21	18.30	18.21	19.00
20	256QAM	100	0	18.12	18.25	18.09	19.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.30	21.32	21.34	22.60
15	QPSK	1	37	21.00	21.16	20.93	22.60
15	QPSK	1	74	21.11	21.15	21.12	22.60
15	QPSK	36	0	21.24	21.16	21.21	22.60
15	QPSK	36	20	20.94	21.10	20.94	22.60
15	QPSK	36	39	21.04	21.24	20.98	22.60
15	QPSK	75	0	21.00	21.07	21.08	22.60
15	16QAM	1	0	21.01	21.08	21.07	22.60
15	16QAM	1	37	21.08	21.16	21.01	22.60
15	16QAM	1	74	21.05	21.23	20.96	22.60
15	16QAM	36	0	21.16	21.26	21.13	22.00
15	16QAM	36	20	21.03	21.19	21.07	22.00
15	16QAM	36	39	21.01	21.19	20.97	22.00
15	16QAM	75	0	21.01	21.08	20.80	22.00
15	64QAM	1	0	20.94	21.12	20.84	22.00
15	64QAM	1	37	20.88	21.09	21.04	22.00
15	64QAM	1	74	20.95	21.11	20.88	22.00
15	64QAM	36	0	19.95	20.18	19.96	21.00
15	64QAM	36	20	20.08	20.07	19.94	21.00
15	64QAM	36	39	19.99	20.24	19.94	21.00
15	64QAM	75	0	20.02	20.10	20.09	21.00
15	256QAM	1	0	18.08	18.20	17.99	19.00
15	256QAM	1	37	17.89	18.04	17.96	19.00
15	256QAM	1	74	17.91	18.05	17.95	19.00
15	256QAM	36	0	18.17	18.20	18.10	19.00
15	256QAM	36	20	17.93	18.14	18.00	19.00
15	256QAM	36	39	18.18	18.25	18.06	19.00
15	256QAM	75	0	17.98	18.11	18.06	19.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.31	21.32	21.26	22.60
10	QPSK	1	25	21.01	21.08	20.95	22.60
10	QPSK	1	49	21.12	21.17	21.13	22.60
10	QPSK	25	0	21.19	21.26	21.17	22.60
10	QPSK	25	12	20.97	21.11	20.95	22.60
10	QPSK	25	25	21.02	21.15	20.94	22.60
10	QPSK	50	0	21.02	21.14	21.11	22.60
10	16QAM	1	0	20.96	21.17	21.02	22.60
10	16QAM	1	25	21.08	21.21	21.00	22.60
10	16QAM	1	49	20.99	21.21	21.00	22.60
10	16QAM	25	0	21.17	21.18	21.11	22.00
10	16QAM	25	12	21.10	21.12	20.98	22.00
10	16QAM	25	25	20.98	21.21	21.07	22.00
10	16QAM	50	0	21.00	21.16	20.86	22.00
10	64QAM	1	0	21.01	21.17	20.93	22.00
10	64QAM	1	25	20.89	21.04	20.97	22.00
10	64QAM	1	49	20.98	21.08	20.80	22.00
10	64QAM	25	0	19.96	20.13	20.03	21.00
10	64QAM	25	12	20.01	20.10	19.99	21.00
10	64QAM	25	25	20.06	20.22	20.02	21.00
10	64QAM	50	0	20.10	20.15	20.06	21.00
10	256QAM	1	0	18.09	18.26	17.94	19.00
10	256QAM	1	25	17.90	18.05	17.92	19.00
10	256QAM	1	49	17.93	18.06	17.91	19.00
10	256QAM	25	0	18.11	18.20	18.00	19.00
10	256QAM	25	12	17.92	18.09	17.92	19.00
10	256QAM	25	25	18.20	18.18	18.13	19.00
10	256QAM	50	0	18.07	18.21	17.97	19.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.28	21.41	21.27	22.60
5	QPSK	1	12	21.01	21.15	21.04	22.60
5	QPSK	1	24	21.07	21.26	21.08	22.60
5	QPSK	12	0	21.15	21.25	21.21	22.60
5	QPSK	12	7	21.05	21.16	20.97	22.60
5	QPSK	12	13	20.95	21.22	20.95	22.60
5	QPSK	25	0	21.06	21.13	20.99	22.60
5	16QAM	1	0	21.03	21.16	20.96	22.60
5	16QAM	1	12	20.99	21.10	20.91	22.60
5	16QAM	1	24	21.07	21.13	20.97	22.60
5	16QAM	12	0	21.16	21.25	21.02	22.00
5	16QAM	12	7	21.02	21.10	21.08	22.00



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5	16QAM	12	13	21.04	21.15	21.06	22.00
5	16QAM	25	0	21.01	21.04	20.89	22.00
5	64QAM	1	0	20.90	21.08	20.84	22.00
5	64QAM	1	12	20.98	21.09	21.03	22.00
5	64QAM	1	24	21.04	21.07	20.92	22.00
5	64QAM	12	0	20.01	20.21	19.98	21.00
5	64QAM	12	7	20.03	20.14	20.02	21.00
5	64QAM	12	13	20.08	20.13	20.00	21.00
5	64QAM	25	0	20.00	20.11	20.05	21.00
5	256QAM	1	0	18.08	18.26	18.04	19.00
5	256QAM	1	12	17.93	18.07	17.94	19.00
5	256QAM	1	24	17.92	18.09	17.87	19.00
5	256QAM	12	0	18.17	18.30	18.01	19.00
5	256QAM	12	7	17.96	18.11	17.97	19.00
5	256QAM	12	13	18.09	18.18	18.18	19.00
5	256QAM	25	0	17.98	18.14	18.06	19.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.26	21.35	21.27	22.60
3	QPSK	1	8	21.06	21.16	20.98	22.60
3	QPSK	1	14	21.17	21.24	21.08	22.60
3	QPSK	8	0	21.16	21.27	21.17	22.60
3	QPSK	8	4	21.03	21.09	20.94	22.60
3	QPSK	8	7	21.06	21.19	20.90	22.60
3	QPSK	15	0	21.06	21.03	21.10	22.60
3	16QAM	1	0	20.93	21.11	20.95	22.60
3	16QAM	1	8	20.99	21.19	20.96	22.60
3	16QAM	1	14	21.03	21.10	21.06	22.60
3	16QAM	8	0	21.14	21.22	21.10	22.00
3	16QAM	8	4	21.04	21.20	21.10	22.00
3	16QAM	8	7	20.95	21.18	21.09	22.00
3	16QAM	15	0	20.95	21.07	20.91	22.00
3	64QAM	1	0	20.88	21.10	20.81	22.00
3	64QAM	1	8	20.93	21.09	20.92	22.00
3	64QAM	1	14	21.03	21.04	20.88	22.00
3	64QAM	8	0	20.00	20.13	19.95	21.00
3	64QAM	8	4	20.06	20.19	19.96	21.00
3	64QAM	8	7	19.99	20.11	20.02	21.00
3	64QAM	15	0	20.00	20.12	20.12	21.00
3	256QAM	1	0	18.04	18.19	17.93	19.00
3	256QAM	1	8	17.95	18.03	17.99	19.00
3	256QAM	1	14	17.94	18.03	17.90	19.00
3	256QAM	8	0	18.09	18.29	18.00	19.00
3	256QAM	8	4	17.91	18.07	17.95	19.00
3	256QAM	8	7	18.18	18.17	18.19	19.00
3	256QAM	15	0	18.09	18.11	17.95	19.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.33	21.34	21.22	22.60
1.4	QPSK	1	3	21.00	21.18	21.01	22.60
1.4	QPSK	1	5	21.06	21.26	21.16	22.60
1.4	QPSK	3	0	21.15	21.24	21.11	22.60
1.4	QPSK	3	1	20.97	21.11	20.84	22.60
1.4	QPSK	3	3	21.06	21.17	20.91	22.60
1.4	QPSK	6	0	21.08	21.10	20.98	22.60
1.4	16QAM	1	0	21.04	21.15	21.07	22.60
1.4	16QAM	1	3	20.98	21.16	20.92	22.60
1.4	16QAM	1	5	21.07	21.10	21.03	22.60
1.4	16QAM	3	0	21.17	21.23	21.14	22.00
1.4	16QAM	3	1	21.10	21.12	21.01	22.00
1.4	16QAM	3	3	21.05	21.23	20.98	22.00
1.4	16QAM	6	0	21.05	21.13	20.88	22.00
1.4	64QAM	1	0	20.96	21.16	20.92	22.00
1.4	64QAM	1	3	20.93	21.15	20.98	22.00
1.4	64QAM	1	5	21.07	21.03	20.87	22.00
1.4	64QAM	3	0	21.06	21.22	21.03	22.00
1.4	64QAM	3	1	21.08	21.10	21.05	22.00
1.4	64QAM	3	3	21.07	21.23	20.97	22.00
1.4	64QAM	6	0	20.09	20.22	20.04	21.00
1.4	256QAM	1	0	18.05	18.20	17.93	19.00
1.4	256QAM	1	3	17.96	18.08	17.96	19.00
1.4	256QAM	1	5	17.97	18.05	17.95	19.00
1.4	256QAM	3	0	18.14	18.33	18.09	19.00
1.4	256QAM	3	1	17.96	18.05	18.00	19.00
1.4	256QAM	3	3	18.10	18.19	18.16	19.00
1.4	256QAM	6	0	18.05	18.17	17.95	19.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.81	14.95	14.79	15.90
20	QPSK	1	49	14.79	14.82	14.76	15.90
20	QPSK	1	99	14.80	14.81	14.77	15.90
20	QPSK	50	0	14.87	14.90	14.87	15.90
20	QPSK	50	24	14.77	14.80	14.78	15.90
20	QPSK	50	50	14.70	14.82	14.74	15.90
20	QPSK	100	0	14.90	14.85	14.67	15.90
20	16QAM	1	0	14.79	14.81	14.79	15.90
20	16QAM	1	49	14.81	14.85	14.72	15.90
20	16QAM	1	99	14.75	14.83	14.66	15.90
20	16QAM	50	0	14.72	14.83	14.69	15.90
20	16QAM	50	24	14.78	14.91	14.78	15.90
20	16QAM	50	50	14.73	14.89	14.71	15.90
20	16QAM	100	0	14.75	14.90	14.66	15.90
20	64QAM	1	0	14.77	14.87	14.78	15.90
20	64QAM	1	49	14.86	14.75	14.69	15.90
20	64QAM	1	99	14.68	14.70	14.75	15.90
20	64QAM	50	0	14.86	14.83	14.81	15.90
20	64QAM	50	24	14.80	14.77	14.80	15.90
20	64QAM	50	50	14.77	14.90	14.78	15.90
20	64QAM	100	0	14.73	14.81	14.65	15.90
20	256QAM	1	0	14.84	14.87	14.81	15.90
20	256QAM	1	49	14.84	14.83	14.75	15.90
20	256QAM	1	99	14.82	14.77	14.70	15.90
20	256QAM	50	0	14.83	14.76	14.86	15.90
20	256QAM	50	24	14.71	14.72	14.69	15.90
20	256QAM	50	50	14.82	14.81	14.77	15.90
20	256QAM	100	0	14.84	14.74	14.79	15.90
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	14.71	14.88	14.70	15.90
15	QPSK	1	37	14.69	14.71	14.68	15.90
15	QPSK	1	74	14.72	14.66	14.69	15.90
15	QPSK	36	0	14.81	14.86	14.78	15.90
15	QPSK	36	20	14.66	14.76	14.72	15.90
15	QPSK	36	39	14.58	14.71	14.64	15.90
15	QPSK	75	0	14.80	14.78	14.52	15.90
15	16QAM	1	0	14.76	14.75	14.72	15.90
15	16QAM	1	37	14.66	14.73	14.60	15.90
15	16QAM	1	74	14.69	14.76	14.60	15.90
15	16QAM	36	0	14.58	14.72	14.63	15.90
15	16QAM	36	20	14.69	14.90	14.68	15.90
15	16QAM	36	39	14.66	14.76	14.64	15.90
15	16QAM	75	0	14.70	14.85	14.62	15.90
15	64QAM	1	0	14.70	14.76	14.72	15.90
15	64QAM	1	37	14.72	14.68	14.67	15.90
15	64QAM	1	74	14.61	14.57	14.66	15.90
15	64QAM	36	0	14.75	14.71	14.75	15.90
15	64QAM	36	20	14.70	14.74	14.73	15.90
15	64QAM	36	39	14.70	14.83	14.68	15.90
15	64QAM	75	0	14.69	14.75	14.62	15.90
15	256QAM	1	0	14.73	14.75	14.70	15.90
15	256QAM	1	37	14.81	14.79	14.63	15.90
15	256QAM	1	74	14.68	14.64	14.56	15.90
15	256QAM	36	0	14.79	14.64	14.79	15.90
15	256QAM	36	20	14.66	14.60	14.58	15.90
15	256QAM	36	39	14.73	14.76	14.64	15.90
15	256QAM	75	0	14.74	14.72	14.74	15.90
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	14.76	14.84	14.72	15.90
10	QPSK	1	25	14.66	14.70	14.69	15.90
10	QPSK	1	49	14.77	14.72	14.65	15.90
10	QPSK	25	0	14.81	14.77	14.74	15.90
10	QPSK	25	12	14.69	14.72	14.67	15.90
10	QPSK	25	25	14.65	14.75	14.64	15.90
10	QPSK	50	0	14.75	14.79	14.54	15.90
10	16QAM	1	0	14.70	14.78	14.70	15.90
10	16QAM	1	25	14.78	14.83	14.70	15.90



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10	16QAM	1	49	14.73	14.79	14.60	15.90
10	16QAM	25	0	14.68	14.81	14.64	15.90
10	16QAM	25	12	14.72	14.88	14.69	15.90
10	16QAM	25	25	14.59	14.88	14.63	15.90
10	16QAM	50	0	14.71	14.80	14.59	15.90
10	64QAM	1	0	14.75	14.77	14.75	15.90
10	64QAM	1	25	14.76	14.69	14.64	15.90
10	64QAM	1	49	14.67	14.58	14.73	15.90
10	64QAM	25	0	14.73	14.78	14.73	15.90
10	64QAM	25	12	14.68	14.63	14.69	15.90
10	64QAM	25	25	14.67	14.81	14.73	15.90
10	64QAM	50	0	14.71	14.75	14.56	15.90
10	256QAM	1	0	14.74	14.80	14.73	15.90
10	256QAM	1	25	14.73	14.75	14.63	15.90
10	256QAM	1	49	14.80	14.70	14.60	15.90
10	256QAM	25	0	14.79	14.63	14.76	15.90
10	256QAM	25	12	14.61	14.69	14.63	15.90
10	256QAM	25	25	14.75	14.74	14.63	15.90
10	256QAM	50	0	14.72	14.60	14.72	15.90
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	14.67	14.91	14.66	15.90
5	QPSK	1	12	14.64	14.80	14.74	15.90
5	QPSK	1	24	14.66	14.76	14.73	15.90
5	QPSK	12	0	14.77	14.76	14.76	15.90
5	QPSK	12	7	14.71	14.66	14.65	15.90
5	QPSK	12	13	14.69	14.76	14.60	15.90
5	QPSK	25	0	14.80	14.82	14.53	15.90
5	16QAM	1	0	14.66	14.67	14.75	15.90
5	16QAM	1	12	14.69	14.73	14.64	15.90
5	16QAM	1	24	14.69	14.73	14.53	15.90
5	16QAM	12	0	14.70	14.81	14.57	15.90
5	16QAM	12	7	14.66	14.87	14.77	15.90
5	16QAM	12	13	14.71	14.77	14.56	15.90
5	16QAM	25	0	14.73	14.82	14.58	15.90
5	64QAM	1	0	14.63	14.80	14.73	15.90
5	64QAM	1	12	14.81	14.71	14.61	15.90
5	64QAM	1	24	14.65	14.56	14.71	15.90
5	64QAM	12	0	14.78	14.77	14.72	15.90
5	64QAM	12	7	14.72	14.70	14.66	15.90
5	64QAM	12	13	14.63	14.79	14.65	15.90
5	64QAM	25	0	14.71	14.79	14.53	15.90
5	256QAM	1	0	14.76	14.83	14.72	15.90
5	256QAM	1	12	14.78	14.69	14.64	15.90
5	256QAM	1	24	14.73	14.75	14.59	15.90
5	256QAM	12	0	14.71	14.69	14.79	15.90
5	256QAM	12	7	14.68	14.57	14.54	15.90
5	256QAM	12	13	14.71	14.69	14.69	15.90
5	256QAM	25	0	14.74	14.64	14.70	15.90
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	14.79	14.88	14.71	15.90
3	QPSK	1	8	14.64	14.74	14.68	15.90
3	QPSK	1	14	14.76	14.78	14.68	15.90
3	QPSK	8	0	14.74	14.83	14.78	15.90
3	QPSK	8	4	14.76	14.79	14.73	15.90
3	QPSK	8	7	14.69	14.72	14.60	15.90
3	QPSK	15	0	14.81	14.83	14.63	15.90
3	16QAM	1	0	14.77	14.79	14.74	15.90
3	16QAM	1	8	14.67	14.77	14.57	15.90
3	16QAM	1	14	14.68	14.78	14.59	15.90
3	16QAM	8	0	14.66	14.76	14.62	15.90
3	16QAM	8	4	14.75	14.91	14.77	15.90
3	16QAM	8	7	14.68	14.77	14.64	15.90
3	16QAM	15	0	14.61	14.88	14.56	15.90
3	64QAM	1	0	14.63	14.83	14.64	15.90
3	64QAM	1	8	14.78	14.66	14.65	15.90
3	64QAM	1	14	14.64	14.68	14.62	15.90
3	64QAM	8	0	14.81	14.82	14.79	15.90
3	64QAM	8	4	14.65	14.74	14.71	15.90
3	64QAM	8	7	14.70	14.77	14.70	15.90
3	64QAM	15	0	14.70	14.69	14.63	15.90
3	256QAM	1	0	14.81	14.72	14.68	15.90
3	256QAM	1	8	14.74	14.74	14.64	15.90
3	256QAM	1	14	14.74	14.76	14.55	15.90
3	256QAM	8	0	14.69	14.72	14.79	15.90
3	256QAM	8	4	14.60	14.57	14.63	15.90
3	256QAM	8	7	14.71	14.78	14.75	15.90



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3	256QAM	15	0	14.71	14.68	14.68	15.90
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	14.70	14.81	14.64	15.90
1.4	QPSK	1	3	14.69	14.67	14.64	15.90
1.4	QPSK	1	5	14.78	14.73	14.70	15.90
1.4	QPSK	3	0	14.75	14.83	14.79	15.90
1.4	QPSK	3	1	14.75	14.78	14.75	15.90
1.4	QPSK	3	3	14.61	14.73	14.68	15.90
1.4	QPSK	6	0	14.78	14.71	14.61	15.90
1.4	16QAM	1	0	14.74	14.72	14.66	15.90
1.4	16QAM	1	3	14.67	14.77	14.62	15.90
1.4	16QAM	1	5	14.72	14.79	14.63	15.90
1.4	16QAM	3	0	14.63	14.72	14.58	15.90
1.4	16QAM	3	1	14.75	14.90	14.65	15.90
1.4	16QAM	3	3	14.59	14.76	14.61	15.90
1.4	16QAM	6	0	14.73	14.86	14.53	15.90
1.4	64QAM	1	0	14.70	14.79	14.64	15.90
1.4	64QAM	1	3	14.73	14.63	14.59	15.90
1.4	64QAM	1	5	14.62	14.57	14.72	15.90
1.4	64QAM	3	0	14.76	14.73	14.69	15.90
1.4	64QAM	3	1	14.74	14.72	14.74	15.90
1.4	64QAM	3	3	14.73	14.88	14.70	15.90
1.4	64QAM	6	0	14.62	14.71	14.59	15.90
1.4	256QAM	1	0	14.75	14.80	14.74	15.90
1.4	256QAM	1	3	14.77	14.73	14.60	15.90
1.4	256QAM	1	5	14.70	14.76	14.64	15.90
1.4	256QAM	3	0	14.79	14.70	14.78	15.90
1.4	256QAM	3	1	14.57	14.61	14.56	15.90
1.4	256QAM	3	3	14.81	14.77	14.71	15.90
1.4	256QAM	6	0	14.79	14.65	14.72	15.90

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.41	17.43	17.33	19.10
20	QPSK	1	49	17.10	17.14	17.10	19.10
20	QPSK	1	99	17.16	17.30	17.19	19.10
20	QPSK	50	0	17.15	17.29	17.19	19.10
20	QPSK	50	24	17.10	17.19	17.11	19.10
20	QPSK	50	50	17.14	17.22	17.12	19.10
20	QPSK	100	0	17.10	17.20	17.10	19.10
20	16QAM	1	0	17.25	17.35	17.22	19.10
20	16QAM	1	49	17.12	17.12	17.10	19.10
20	16QAM	1	99	17.27	17.31	17.17	19.10
20	16QAM	50	0	17.13	17.28	17.17	19.10
20	16QAM	50	24	17.10	17.26	17.17	19.10
20	16QAM	50	50	17.22	17.27	17.21	19.10
20	16QAM	100	0	17.10	17.21	17.11	19.10
20	64QAM	1	0	17.10	17.22	17.17	19.10
20	64QAM	1	49	17.17	17.27	17.16	19.10
20	64QAM	1	99	17.19	17.27	17.13	19.10
20	64QAM	50	0	17.18	17.22	17.14	19.10
20	64QAM	50	24	17.10	17.17	17.14	19.10
20	64QAM	50	50	17.11	17.10	17.10	19.10
20	64QAM	100	0	17.17	17.27	17.13	19.10
20	256QAM	1	0	17.18	17.21	17.09	18.50
20	256QAM	1	49	17.17	17.21	17.09	18.50
20	256QAM	1	99	17.15	17.20	17.14	18.50
20	256QAM	50	0	17.09	17.19	17.10	18.50
20	256QAM	50	24	17.12	17.24	17.11	18.50
20	256QAM	50	50	17.08	17.20	17.07	18.50
20	256QAM	100	0	17.30	17.34	17.20	18.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.39	17.36	17.28	19.10
15	QPSK	1	37	17.10	17.10	17.10	19.10
15	QPSK	1	74	17.10	17.19	17.10	19.10
15	QPSK	36	0	17.10	17.21	17.11	19.10
15	QPSK	36	20	17.10	17.17	17.11	19.10
15	QPSK	36	39	17.10	17.19	17.11	19.10



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15	QPSK	75	0	17.10	17.17	17.11	19.10
15	16QAM	1	0	17.21	17.28	17.19	19.10
15	16QAM	1	37	17.11	17.10	17.10	19.10
15	16QAM	1	74	17.20	17.16	17.11	19.10
15	16QAM	36	0	17.10	17.25	17.10	19.10
15	16QAM	36	20	17.10	17.15	17.10	19.10
15	16QAM	36	39	17.21	17.18	17.18	19.10
15	16QAM	75	0	17.10	17.18	17.11	19.10
15	64QAM	1	0	17.11	17.11	17.12	19.10
15	64QAM	1	37	17.11	17.23	17.11	19.10
15	64QAM	1	74	17.12	17.25	17.12	19.10
15	64QAM	36	0	17.10	17.12	17.11	19.10
15	64QAM	36	20	17.10	17.10	17.11	19.10
15	64QAM	36	39	17.11	17.10	17.11	19.10
15	64QAM	75	0	17.11	17.15	17.10	19.10
15	256QAM	1	0	17.06	17.11	17.00	18.50
15	256QAM	1	37	17.04	17.19	17.08	18.50
15	256QAM	1	74	17.11	17.16	17.01	18.50
15	256QAM	36	0	17.04	17.16	17.00	18.50
15	256QAM	36	20	17.01	17.11	17.01	18.50
15	256QAM	36	39	17.00	17.10	17.02	18.50
15	256QAM	75	0	17.19	17.20	17.13	18.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.35	17.41	17.41	19.10
10	QPSK	1	25	17.10	17.11	17.11	19.10
10	QPSK	1	49	17.12	17.28	17.12	19.10
10	QPSK	25	0	17.10	17.26	17.11	19.10
10	QPSK	25	12	17.12	17.10	17.11	19.10
10	QPSK	25	25	17.12	17.14	17.11	19.10
10	QPSK	50	0	17.10	17.12	17.11	19.10
10	16QAM	1	0	17.20	17.26	17.15	19.10
10	16QAM	1	25	17.10	17.10	17.12	19.10
10	16QAM	1	49	17.21	17.20	17.13	19.10
10	16QAM	25	0	17.10	17.20	17.16	19.10
10	16QAM	25	12	17.11	17.25	17.10	19.10
10	16QAM	25	25	17.10	17.13	17.10	19.10
10	16QAM	50	0	17.10	17.11	17.11	19.10
10	64QAM	1	0	17.10	17.10	17.12	19.10
10	64QAM	1	25	17.11	17.19	17.10	19.10
10	64QAM	1	49	17.13	17.22	17.10	19.10
10	64QAM	25	0	17.10	17.17	17.12	19.10
10	64QAM	25	12	17.12	17.12	17.11	19.10
10	64QAM	25	25	17.11	17.10	17.10	19.10
10	64QAM	50	0	17.10	17.13	17.10	19.10
10	256QAM	1	0	17.10	17.13	17.00	18.50
10	256QAM	1	25	17.03	17.08	17.00	18.50
10	256QAM	1	49	17.08	17.10	17.07	18.50
10	256QAM	25	0	17.07	17.11	17.06	18.50
10	256QAM	25	12	17.06	17.11	17.08	18.50
10	256QAM	25	25	17.02	17.12	17.05	18.50
10	256QAM	50	0	17.15	17.21	17.11	18.50
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.40	17.36	17.37	19.10
5	QPSK	1	12	17.10	17.11	17.10	19.10
5	QPSK	1	24	17.11	17.22	17.15	19.10
5	QPSK	12	0	17.12	17.26	17.12	19.10
5	QPSK	12	7	17.10	17.14	17.10	19.10
5	QPSK	12	13	17.10	17.15	17.11	19.10
5	QPSK	25	0	17.12	17.11	17.10	19.10
5	16QAM	1	0	17.17	17.24	17.14	19.10
5	16QAM	1	12	17.10	17.11	17.11	19.10
5	16QAM	1	24	17.23	17.19	17.12	19.10
5	16QAM	12	0	17.10	17.19	17.11	19.10
5	16QAM	12	7	17.10	17.20	17.13	19.10
5	16QAM	12	13	17.12	17.16	17.11	19.10
5	16QAM	25	0	17.11	17.19	17.11	19.10
5	64QAM	1	0	17.10	17.14	17.12	19.10
5	64QAM	1	12	17.12	17.15	17.14	19.10
5	64QAM	1	24	17.15	17.25	17.11	19.10
5	64QAM	12	0	17.14	17.19	17.13	19.10
5	64QAM	12	7	17.10	17.10	17.11	19.10
5	64QAM	12	13	17.10	17.12	17.11	19.10
5	64QAM	25	0	17.10	17.24	17.10	19.10
5	256QAM	1	0	17.05	17.16	17.02	18.50
5	256QAM	1	12	17.09	17.08	17.06	18.50
5	256QAM	1	24	17.05	17.08	17.13	18.50



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5	256QAM	12	0	17.00	17.11	17.04	18.50
5	256QAM	12	7	17.00	17.20	17.02	18.50
5	256QAM	12	13	17.00	17.14	17.00	18.50
5	256QAM	25	0	17.18	17.27	17.15	18.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.27	17.34	17.37	19.10
3	QPSK	1	8	17.10	17.11	17.10	19.10
3	QPSK	1	14	17.13	17.28	17.11	19.10
3	QPSK	8	0	17.11	17.21	17.16	19.10
3	QPSK	8	4	17.10	17.10	17.10	19.10
3	QPSK	8	7	17.12	17.19	17.10	19.10
3	QPSK	15	0	17.11	17.11	17.12	19.10
3	16QAM	1	0	17.18	17.29	17.13	19.10
3	16QAM	1	8	17.12	17.11	17.10	19.10
3	16QAM	1	14	17.21	17.20	17.10	19.10
3	16QAM	8	0	17.10	17.19	17.14	19.10
3	16QAM	8	4	17.11	17.12	17.11	19.10
3	16QAM	8	7	17.18	17.16	17.13	19.10
3	16QAM	15	0	17.10	17.10	17.12	19.10
3	64QAM	1	0	17.10	17.10	17.14	19.10
3	64QAM	1	8	17.12	17.26	17.14	19.10
3	64QAM	1	14	17.16	17.25	17.12	19.10
3	64QAM	8	0	17.10	17.12	17.11	19.10
3	64QAM	8	4	17.11	17.10	17.10	19.10
3	64QAM	8	7	17.12	17.11	17.10	19.10
3	64QAM	15	0	17.11	17.21	17.10	19.10
3	256QAM	1	0	17.12	17.11	17.02	18.50
3	256QAM	1	8	17.15	17.19	17.01	18.50
3	256QAM	1	14	17.05	17.10	17.01	18.50
3	256QAM	8	0	17.00	17.16	17.01	18.50
3	256QAM	8	4	17.11	17.22	17.04	18.50
3	256QAM	8	7	17.04	17.06	17.05	18.50
3	256QAM	15	0	17.27	17.20	17.10	18.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	17.27	17.33	17.30	19.10
1.4	QPSK	1	3	17.10	17.11	17.10	19.10
1.4	QPSK	1	5	17.14	17.20	17.10	19.10
1.4	QPSK	3	0	17.10	17.14	17.18	19.10
1.4	QPSK	3	1	17.11	17.11	17.10	19.10
1.4	QPSK	3	3	17.10	17.20	17.11	19.10
1.4	QPSK	6	0	17.10	17.14	17.10	19.10
1.4	16QAM	1	0	17.24	17.29	17.12	19.10
1.4	16QAM	1	3	17.10	17.10	17.12	19.10
1.4	16QAM	1	5	17.26	17.28	17.12	19.10
1.4	16QAM	3	0	17.10	17.22	17.15	19.10
1.4	16QAM	3	1	17.12	17.18	17.11	19.10
1.4	16QAM	3	3	17.13	17.19	17.10	19.10
1.4	16QAM	6	0	17.10	17.15	17.11	19.10
1.4	64QAM	1	0	17.11	17.12	17.14	19.10
1.4	64QAM	1	3	17.11	17.20	17.13	19.10
1.4	64QAM	1	5	17.15	17.14	17.10	19.10
1.4	64QAM	3	0	17.11	17.13	17.11	19.10
1.4	64QAM	3	1	17.11	17.11	17.12	19.10
1.4	64QAM	3	3	17.10	17.12	17.10	19.10
1.4	64QAM	6	0	17.11	17.16	17.10	19.10
1.4	256QAM	1	0	17.04	17.15	17.08	18.50
1.4	256QAM	1	3	17.03	17.15	17.01	18.50
1.4	256QAM	1	5	17.03	17.14	17.13	18.50
1.4	256QAM	3	0	17.07	17.09	17.08	18.50
1.4	256QAM	3	1	17.04	17.16	17.01	18.50
1.4	256QAM	3	3	17.00	17.12	17.02	18.50
1.4	256QAM	6	0	17.23	17.23	17.17	18.50

[LTE Band 66_Ant 3_DSI 4]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.24	23.38	23.18	24.00
20	QPSK	1	49	23.07	23.18	23.10	24.00
20	QPSK	1	99	23.11	23.14	23.00	24.00



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



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



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

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



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15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00



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

【LTE Band 66_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00



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20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00
15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00



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5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00



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1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00

【LTE Band 66_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.23	21.19	22.80
20	QPSK	1	49	20.88	20.98	20.86	22.80
20	QPSK	1	99	20.97	21.01	20.87	22.80
20	QPSK	50	0	20.56	20.60	20.54	22.00
20	QPSK	50	24	20.50	20.56	20.48	22.00
20	QPSK	50	50	20.47	20.52	20.41	22.00
20	QPSK	100	0	20.54	20.61	20.51	22.00
20	16QAM	1	0	20.49	20.62	20.48	22.00
20	16QAM	1	49	20.36	20.46	20.38	22.00
20	16QAM	1	99	20.52	20.62	20.53	22.00
20	16QAM	50	0	19.39	19.46	19.37	21.00
20	16QAM	50	24	19.49	19.55	19.38	21.00
20	16QAM	50	50	19.51	19.61	19.46	21.00
20	16QAM	100	0	19.35	19.46	19.34	21.00
20	64QAM	1	0	19.35	19.48	19.33	21.00
20	64QAM	1	49	19.40	19.51	19.36	21.00
20	64QAM	1	99	19.54	19.58	19.51	21.00
20	64QAM	50	0	18.52	18.59	18.47	20.00
20	64QAM	50	24	18.35	18.45	18.35	20.00
20	64QAM	50	50	18.42	18.52	18.44	20.00
20	64QAM	100	0	18.46	18.49	18.41	20.00
20	256QAM	1	0	16.41	16.44	16.28	18.00
20	256QAM	1	49	16.43	16.48	16.43	18.00
20	256QAM	1	99	16.38	16.45	16.34	18.00
20	256QAM	50	0	16.36	16.48	16.36	18.00
20	256QAM	50	24	16.50	16.58	16.49	18.00
20	256QAM	50	50	16.58	16.62	16.57	18.00
20	256QAM	100	0	16.53	16.56	16.40	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.17	21.22	21.11	22.80
15	QPSK	1	37	20.87	20.96	20.85	22.80
15	QPSK	1	74	20.91	20.98	20.86	22.80
15	QPSK	36	0	20.45	20.50	20.45	22.00
15	QPSK	36	20	20.36	20.44	20.45	22.00
15	QPSK	36	39	20.37	20.40	20.36	22.00
15	QPSK	75	0	20.52	20.60	20.36	22.00
15	16QAM	1	0	20.36	20.52	20.43	22.00
15	16QAM	1	37	20.31	20.36	20.34	22.00
15	16QAM	1	74	20.41	20.52	20.40	22.00
15	16QAM	36	0	19.38	19.37	19.24	21.00
15	16QAM	36	20	19.42	19.45	19.27	21.00
15	16QAM	36	39	19.48	19.47	19.39	21.00
15	16QAM	75	0	19.22	19.43	19.29	21.00
15	64QAM	1	0	19.23	19.46	19.27	21.00
15	64QAM	1	37	19.38	19.50	19.30	21.00
15	64QAM	1	74	19.50	19.51	19.39	21.00
15	64QAM	36	0	18.43	18.53	18.45	20.00
15	64QAM	36	20	18.23	18.33	18.22	20.00
15	64QAM	36	39	18.30	18.37	18.40	20.00
15	64QAM	75	0	18.40	18.36	18.32	20.00
15	256QAM	1	0	16.32	16.34	16.24	18.00
15	256QAM	1	37	16.30	16.37	16.40	18.00
15	256QAM	1	74	16.31	16.41	16.21	18.00
15	256QAM	36	0	16.24	16.47	16.25	18.00
15	256QAM	36	20	16.40	16.44	16.43	18.00
15	256QAM	36	39	16.51	16.57	16.56	18.00
15	256QAM	75	0	16.49	16.48	16.33	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	



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10	QPSK	1	0	21.21	21.18	21.09	22.80
10	QPSK	1	25	20.85	20.92	20.83	22.80
10	QPSK	1	49	20.94	21.00	20.86	22.80
10	QPSK	25	0	20.42	20.47	20.45	22.00
10	QPSK	25	12	20.35	20.42	20.36	22.00
10	QPSK	25	25	20.38	20.41	20.31	22.00
10	QPSK	50	0	20.42	20.50	20.44	22.00
10	16QAM	1	0	20.36	20.52	20.38	22.00
10	16QAM	1	25	20.22	20.44	20.32	22.00
10	16QAM	1	49	20.50	20.53	20.45	22.00
10	16QAM	25	0	19.32	19.38	19.29	21.00
10	16QAM	25	12	19.38	19.49	19.33	21.00
10	16QAM	25	25	19.38	19.59	19.41	21.00
10	16QAM	50	0	19.25	19.44	19.28	21.00
10	64QAM	1	0	19.30	19.33	19.27	21.00
10	64QAM	1	25	19.29	19.43	19.23	21.00
10	64QAM	1	49	19.43	19.54	19.37	21.00
10	64QAM	25	0	18.38	18.51	18.41	20.00
10	64QAM	25	12	18.33	18.39	18.34	20.00
10	64QAM	25	25	18.34	18.42	18.36	20.00
10	64QAM	50	0	18.34	18.35	18.34	20.00
10	256QAM	1	0	16.40	16.32	16.18	18.00
10	256QAM	1	25	16.30	16.43	16.34	18.00
10	256QAM	1	49	16.24	16.34	16.21	18.00
10	256QAM	25	0	16.34	16.41	16.33	18.00
10	256QAM	25	12	16.40	16.52	16.37	18.00
10	256QAM	25	25	16.44	16.60	16.54	18.00
10	256QAM	50	0	16.49	16.46	16.30	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.13	21.10	21.15	22.80
5	QPSK	1	12	20.83	20.87	20.84	22.80
5	QPSK	1	24	20.94	20.93	20.80	22.80
5	QPSK	12	0	20.43	20.53	20.45	22.00
5	QPSK	12	7	20.48	20.49	20.35	22.00
5	QPSK	12	13	20.34	20.50	20.28	22.00
5	QPSK	25	0	20.47	20.58	20.37	22.00
5	16QAM	1	0	20.44	20.58	20.37	22.00
5	16QAM	1	12	20.24	20.36	20.29	22.00
5	16QAM	1	24	20.45	20.55	20.47	22.00
5	16QAM	12	0	19.36	19.43	19.23	21.00
5	16QAM	12	7	19.38	19.51	19.26	21.00
5	16QAM	12	13	19.37	19.48	19.45	21.00
5	16QAM	25	0	19.30	19.36	19.32	21.00
5	64QAM	1	0	19.27	19.42	19.31	21.00
5	64QAM	1	12	19.38	19.43	19.35	21.00
5	64QAM	1	24	19.45	19.57	19.39	21.00
5	64QAM	12	0	18.47	18.54	18.37	20.00
5	64QAM	12	7	18.29	18.38	18.25	20.00
5	64QAM	12	13	18.30	18.41	18.32	20.00
5	64QAM	25	0	18.37	18.42	18.37	20.00
5	256QAM	1	0	16.30	16.34	16.26	18.00
5	256QAM	1	12	16.42	16.33	16.34	18.00
5	256QAM	1	24	16.28	16.43	16.21	18.00
5	256QAM	12	0	16.22	16.46	16.30	18.00
5	256QAM	12	7	16.48	16.53	16.37	18.00
5	256QAM	12	13	16.53	16.55	16.43	18.00
5	256QAM	25	0	16.51	16.43	16.34	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.12	21.16	21.07	22.80
3	QPSK	1	8	20.88	20.95	20.89	22.80
3	QPSK	1	14	20.96	20.89	20.84	22.80
3	QPSK	8	0	20.54	20.47	20.50	22.00
3	QPSK	8	4	20.45	20.41	20.43	22.00
3	QPSK	8	7	20.38	20.38	20.29	22.00
3	QPSK	15	0	20.41	20.59	20.40	22.00
3	16QAM	1	0	20.45	20.61	20.40	22.00
3	16QAM	1	8	20.33	20.43	20.33	22.00
3	16QAM	1	14	20.46	20.52	20.39	22.00
3	16QAM	8	0	19.33	19.32	19.33	21.00
3	16QAM	8	4	19.45	19.50	19.30	21.00
3	16QAM	8	7	19.46	19.58	19.35	21.00
3	16QAM	15	0	19.23	19.37	19.32	21.00
3	64QAM	1	0	19.24	19.44	19.26	21.00
3	64QAM	1	8	19.33	19.49	19.34	21.00
3	64QAM	1	14	19.39	19.52	19.38	21.00
3	64QAM	8	0	18.46	18.54	18.37	20.00



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3	64QAM	8	4	18.30	18.35	18.26	20.00
3	64QAM	8	7	18.36	18.47	18.37	20.00
3	64QAM	15	0	18.43	18.37	18.37	20.00
3	256QAM	1	0	16.33	16.42	16.26	18.00
3	256QAM	1	8	16.33	16.46	16.32	18.00
3	256QAM	1	14	16.32	16.39	16.20	18.00
3	256QAM	8	0	16.35	16.37	16.23	18.00
3	256QAM	8	4	16.49	16.53	16.46	18.00
3	256QAM	8	7	16.44	16.59	16.46	18.00
3	256QAM	15	0	16.50	16.49	16.37	18.00
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.16	21.19	21.09	22.80
1.4	QPSK	1	3	20.83	20.88	20.81	22.80
1.4	QPSK	1	5	20.92	20.99	20.86	22.80
1.4	QPSK	3	0	20.98	20.98	20.91	22.80
1.4	QPSK	3	1	20.89	21.00	20.91	22.80
1.4	QPSK	3	3	20.92	20.96	20.85	22.80
1.4	QPSK	6	0	20.42	20.51	20.39	22.00
1.4	16QAM	1	0	20.43	20.59	20.42	22.00
1.4	16QAM	1	3	20.31	20.36	20.36	22.00
1.4	16QAM	1	5	20.48	20.57	20.39	22.00
1.4	16QAM	3	0	20.33	20.43	20.29	22.00
1.4	16QAM	3	1	20.44	20.45	20.37	22.00
1.4	16QAM	3	3	20.43	20.47	20.42	22.00
1.4	16QAM	6	0	19.31	19.41	19.26	21.00
1.4	64QAM	1	0	19.29	19.45	19.23	21.00
1.4	64QAM	1	3	19.34	19.40	19.32	21.00
1.4	64QAM	1	5	19.49	19.56	19.44	21.00
1.4	64QAM	3	0	19.47	19.55	19.41	21.00
1.4	64QAM	3	1	19.34	19.36	19.25	21.00
1.4	64QAM	3	3	19.33	19.43	19.40	21.00
1.4	64QAM	6	0	18.44	18.42	18.33	20.00
1.4	256QAM	1	0	16.29	16.39	16.26	18.00
1.4	256QAM	1	3	16.28	16.37	16.30	18.00
1.4	256QAM	1	5	16.30	16.42	16.21	18.00
1.4	256QAM	3	0	16.35	16.47	16.30	18.00
1.4	256QAM	3	1	16.44	16.55	16.42	18.00
1.4	256QAM	3	3	16.50	16.58	16.49	18.00
1.4	256QAM	6	0	16.52	16.45	16.30	18.00

【LTE Band 66_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00
20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00



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20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00
15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00
10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00



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5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00
1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00

**[LTE Band 66_Ant 4_DSI 12]**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	16.50
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.00	16.12	16.09	16.50
20	QPSK	1	49	15.86	16.03	15.88	16.50
20	QPSK	1	99	15.92	15.83	15.88	16.50
20	QPSK	50	0	16.04	16.05	16.01	16.50
20	QPSK	50	24	15.93	15.90	15.92	16.50
20	QPSK	50	50	15.91	15.80	15.71	16.50
20	QPSK	100	0	15.93	15.99	15.90	16.50
20	16QAM	1	0	15.77	16.04	15.88	16.50
20	16QAM	1	49	16.07	15.94	15.81	16.50
20	16QAM	1	99	15.87	15.87	16.08	16.50
20	16QAM	50	0	15.84	15.83	15.85	16.50
20	16QAM	50	24	15.98	15.92	15.85	16.50
20	16QAM	50	50	15.86	15.99	15.99	16.50
20	16QAM	100	0	15.81	15.98	15.93	16.50
20	64QAM	1	0	15.97	15.94	15.87	16.50
20	64QAM	1	49	15.88	15.92	16.00	16.50
20	64QAM	1	99	16.01	15.95	15.80	16.50
20	64QAM	50	0	15.90	15.79	15.92	16.50
20	64QAM	50	24	15.89	15.93	15.89	16.50
20	64QAM	50	50	15.90	15.88	15.71	16.50
20	64QAM	100	0	15.85	16.01	15.84	16.50
20	256QAM	1	0	15.93	15.86	15.95	16.50
20	256QAM	1	49	16.01	16.01	15.69	16.50
20	256QAM	1	99	15.94	15.96	15.81	16.50
20	256QAM	50	0	15.86	16.03	15.76	16.50
20	256QAM	50	24	15.94	15.95	15.78	16.50
20	256QAM	50	50	16.05	15.79	15.78	16.50
20	256QAM	100	0	15.86	15.83	15.83	16.50
Channel				132047	132322	132597	16.50
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.85	16.07	16.01	16.50
15	QPSK	1	37	15.77	16.00	15.87	16.50
15	QPSK	1	74	15.89	15.68	15.77	16.50
15	QPSK	36	0	15.94	16.02	15.89	16.50
15	QPSK	36	20	15.88	15.86	15.82	16.50
15	QPSK	36	39	15.79	15.77	15.61	16.50
15	QPSK	75	0	15.90	15.97	15.85	16.50
15	16QAM	1	0	15.69	16.02	15.80	16.50
15	16QAM	1	37	15.99	15.84	15.69	16.50
15	16QAM	1	74	15.73	15.74	16.06	16.50
15	16QAM	36	0	15.71	15.78	15.76	16.50
15	16QAM	36	20	15.93	15.83	15.77	16.50
15	16QAM	36	39	15.81	15.85	15.96	16.50
15	16QAM	75	0	15.80	15.93	15.79	16.50
15	64QAM	1	0	15.83	15.84	15.75	16.50
15	64QAM	1	37	15.73	15.90	15.95	16.50
15	64QAM	1	74	15.88	15.93	15.71	16.50
15	64QAM	36	0	15.85	15.71	15.91	16.50
15	64QAM	36	20	15.78	15.91	15.82	16.50
15	64QAM	36	39	15.78	15.85	15.62	16.50
15	64QAM	75	0	15.72	15.89	15.72	16.50
15	256QAM	1	0	15.92	15.76	15.91	16.50
15	256QAM	1	37	15.92	15.97	15.65	16.50
15	256QAM	1	74	15.90	15.92	15.75	16.50
15	256QAM	36	0	15.80	15.89	15.72	16.50
15	256QAM	36	20	15.89	15.93	15.72	16.50
15	256QAM	36	39	15.96	15.73	15.68	16.50
15	256QAM	75	0	15.72	15.77	15.81	16.50
Channel				132022	132322	132622	16.50
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.93	15.99	15.98	16.50
10	QPSK	1	25	15.72	15.98	15.81	16.50
10	QPSK	1	49	15.80	15.80	15.83	16.50
10	QPSK	25	0	15.94	16.01	15.99	16.50
10	QPSK	25	12	15.88	15.86	15.82	16.50
10	QPSK	25	25	15.77	15.70	15.65	16.50
10	QPSK	50	0	15.90	15.96	15.79	16.50
10	16QAM	1	0	15.69	15.90	15.80	16.50
10	16QAM	1	25	15.93	15.90	15.77	16.50
10	16QAM	1	49	15.83	15.76	15.94	16.50
10	16QAM	25	0	15.74	15.82	15.84	16.50
10	16QAM	25	12	15.86	15.90	15.72	16.50



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10	16QAM	25	25	15.75	15.90	15.86	16.50
10	16QAM	50	0	15.78	15.97	15.84	16.50
10	64QAM	1	0	15.88	15.92	15.81	16.50
10	64QAM	1	25	15.86	15.80	15.86	16.50
10	64QAM	1	49	15.97	15.82	15.68	16.50
10	64QAM	25	0	15.78	15.74	15.81	16.50
10	64QAM	25	12	15.76	15.82	15.77	16.50
10	64QAM	25	25	15.87	15.82	15.65	16.50
10	64QAM	50	0	15.70	15.98	15.77	16.50
10	256QAM	1	0	15.92	15.77	15.82	16.50
10	256QAM	1	25	15.95	16.00	15.54	16.50
10	256QAM	1	49	15.85	15.86	15.70	16.50
10	256QAM	25	0	15.73	15.93	15.65	16.50
10	256QAM	25	12	15.89	15.93	15.73	16.50
10	256QAM	25	25	16.00	15.72	15.64	16.50
10	256QAM	50	0	15.82	15.71	15.73	16.50
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.85	16.04	16.06	16.50
5	QPSK	1	12	15.83	16.00	15.77	16.50
5	QPSK	1	24	15.85	15.79	15.77	16.50
5	QPSK	12	0	15.96	15.95	15.93	16.50
5	QPSK	12	7	15.91	15.77	15.88	16.50
5	QPSK	12	13	15.80	15.69	15.56	16.50
5	QPSK	25	0	15.87	15.97	15.80	16.50
5	16QAM	1	0	15.74	15.89	15.83	16.50
5	16QAM	1	12	15.99	15.92	15.74	16.50
5	16QAM	1	24	15.72	15.72	15.94	16.50
5	16QAM	12	0	15.70	15.80	15.74	16.50
5	16QAM	12	7	15.84	15.79	15.81	16.50
5	16QAM	12	13	15.77	15.92	15.88	16.50
5	16QAM	25	0	15.69	15.88	15.82	16.50
5	64QAM	1	0	15.92	15.81	15.82	16.50
5	64QAM	1	12	15.85	15.91	15.99	16.50
5	64QAM	1	24	15.91	15.89	15.67	16.50
5	64QAM	12	0	15.85	15.75	15.85	16.50
5	64QAM	12	7	15.74	15.91	15.80	16.50
5	64QAM	12	13	15.76	15.78	15.64	16.50
5	64QAM	25	0	15.72	15.89	15.72	16.50
5	256QAM	1	0	15.87	15.84	15.91	16.50
5	256QAM	1	12	15.94	15.89	15.63	16.50
5	256QAM	1	24	15.82	15.86	15.76	16.50
5	256QAM	12	0	15.84	15.93	15.71	16.50
5	256QAM	12	7	15.79	15.81	15.65	16.50
5	256QAM	12	13	15.96	15.76	15.69	16.50
5	256QAM	25	0	15.76	15.68	15.75	16.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.89	16.11	16.05	16.50
3	QPSK	1	8	15.77	16.00	15.83	16.50
3	QPSK	1	14	15.78	15.79	15.74	16.50
3	QPSK	8	0	15.99	15.94	15.88	16.50
3	QPSK	8	4	15.90	15.86	15.85	16.50
3	QPSK	8	7	15.85	15.77	15.62	16.50
3	QPSK	15	0	15.91	15.93	15.75	16.50
3	16QAM	1	0	15.76	15.97	15.78	16.50
3	16QAM	1	8	15.99	15.91	15.69	16.50
3	16QAM	1	14	15.83	15.75	16.02	16.50
3	16QAM	8	0	15.74	15.68	15.75	16.50
3	16QAM	8	4	15.84	15.85	15.76	16.50
3	16QAM	8	7	15.76	15.86	15.94	16.50
3	16QAM	15	0	15.72	15.91	15.86	16.50
3	64QAM	1	0	15.86	15.88	15.78	16.50
3	64QAM	1	8	15.85	15.87	15.88	16.50
3	64QAM	1	14	15.89	15.89	15.69	16.50
3	64QAM	8	0	15.88	15.72	15.90	16.50
3	64QAM	8	4	15.83	15.85	15.82	16.50
3	64QAM	8	7	15.81	15.79	15.64	16.50
3	64QAM	15	0	15.72	15.90	15.70	16.50
3	256QAM	1	0	15.78	15.84	15.89	16.50
3	256QAM	1	8	15.98	15.91	15.57	16.50
3	256QAM	1	14	15.90	15.90	15.71	16.50
3	256QAM	8	0	15.76	16.02	15.70	16.50
3	256QAM	8	4	15.85	15.86	15.63	16.50
3	256QAM	8	7	16.00	15.66	15.64	16.50
3	256QAM	15	0	15.80	15.76	15.72	16.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	



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1.4	QPSK	1	0	15.89	16.04	16.04	16.50
1.4	QPSK	1	3	15.77	15.91	15.83	16.50
1.4	QPSK	1	5	15.78	15.77	15.74	16.50
1.4	QPSK	3	0	15.97	15.99	15.90	16.50
1.4	QPSK	3	1	15.81	15.89	15.91	16.50
1.4	QPSK	3	3	15.82	15.76	15.57	16.50
1.4	QPSK	6	0	15.84	15.94	15.77	16.50
1.4	16QAM	1	0	15.72	15.96	15.78	16.50
1.4	16QAM	1	3	15.98	15.85	15.80	16.50
1.4	16QAM	1	5	15.84	15.85	16.04	16.50
1.4	16QAM	3	0	15.69	15.78	15.76	16.50
1.4	16QAM	3	1	15.95	15.89	15.77	16.50
1.4	16QAM	3	3	15.78	15.95	15.96	16.50
1.4	16QAM	6	0	15.70	15.94	15.86	16.50
1.4	64QAM	1	0	15.91	15.91	15.72	16.50
1.4	64QAM	1	3	15.76	15.81	15.85	16.50
1.4	64QAM	1	5	15.96	15.82	15.70	16.50
1.4	64QAM	3	0	15.79	15.65	15.86	16.50
1.4	64QAM	3	1	15.78	15.80	15.87	16.50
1.4	64QAM	3	3	15.88	15.76	15.69	16.50
1.4	64QAM	6	0	15.83	15.94	15.73	16.50
1.4	256QAM	1	0	15.81	15.75	15.88	16.50
1.4	256QAM	1	3	15.87	15.96	15.66	16.50
1.4	256QAM	1	5	15.89	15.94	15.78	16.50
1.4	256QAM	3	0	15.71	15.93	15.67	16.50
1.4	256QAM	3	1	15.88	15.82	15.67	16.50
1.4	256QAM	3	3	15.99	15.74	15.75	16.50
1.4	256QAM	6	0	15.75	15.78	15.72	16.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.23	21.19	22.80
20	QPSK	1	49	21.00	21.15	21.09	22.80
20	QPSK	1	99	21.00	21.01	21.01	22.80
20	QPSK	50	0	20.58	20.60	20.50	22.50
20	QPSK	50	24	20.50	20.56	20.50	22.50
20	QPSK	50	50	20.51	20.52	20.50	22.50
20	QPSK	100	0	20.52	20.61	20.51	22.50
20	16QAM	1	0	20.50	20.62	20.51	22.50
20	16QAM	1	49	20.53	20.68	20.62	22.50
20	16QAM	1	99	20.50	20.62	20.53	22.50
20	16QAM	50	0	19.51	19.62	19.50	21.50
20	16QAM	50	24	19.51	19.55	19.51	21.50
20	16QAM	50	50	19.55	19.61	19.52	21.50
20	16QAM	100	0	19.50	19.57	19.50	21.50
20	64QAM	1	0	19.50	19.58	19.52	21.50
20	64QAM	1	49	19.50	19.51	19.50	21.50
20	64QAM	1	99	19.54	19.58	19.51	21.50
20	64QAM	50	0	18.52	18.59	18.50	20.50
20	64QAM	50	24	18.51	18.54	18.52	20.50
20	64QAM	50	50	18.50	18.52	18.50	20.50
20	64QAM	100	0	18.51	18.53	18.50	20.50
20	256QAM	1	0	16.52	16.59	16.53	18.50
20	256QAM	1	49	16.50	16.57	16.51	18.50
20	256QAM	1	99	16.51	16.52	16.50	18.50
20	256QAM	50	0	16.51	16.53	16.50	18.50
20	256QAM	50	24	16.50	16.58	16.50	18.50
20	256QAM	50	50	16.56	16.62	16.52	18.50
20	256QAM	100	0	16.54	16.56	16.51	18.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.14	21.14	21.05	22.80
15	QPSK	1	37	21.01	21.00	21.07	22.80
15	QPSK	1	74	21.02	21.01	21.01	22.80
15	QPSK	36	0	20.50	20.50	20.50	22.50
15	QPSK	36	20	20.50	20.51	20.50	22.50
15	QPSK	36	39	20.52	20.50	20.51	22.50
15	QPSK	75	0	20.51	20.59	20.52	22.50
15	16QAM	1	0	20.51	20.57	20.50	22.50
15	16QAM	1	37	20.50	20.63	20.60	22.50



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15	16QAM	1	74	20.50	20.51	20.51	22.50
15	16QAM	36	0	19.51	19.58	19.52	21.50
15	16QAM	36	20	19.51	19.54	19.50	21.50
15	16QAM	36	39	19.52	19.50	19.51	21.50
15	16QAM	75	0	19.51	19.50	19.51	21.50
15	64QAM	1	0	19.51	19.50	19.50	21.50
15	64QAM	1	37	19.51	19.51	19.50	21.50
15	64QAM	1	74	19.53	19.50	19.51	21.50
15	64QAM	36	0	18.50	18.51	18.50	20.50
15	64QAM	36	20	18.51	18.52	18.52	20.50
15	64QAM	36	39	18.50	18.52	18.51	20.50
15	64QAM	75	0	18.51	18.51	18.50	20.50
15	256QAM	1	0	16.50	16.51	16.51	18.50
15	256QAM	1	37	16.50	16.51	16.50	18.50
15	256QAM	1	74	16.51	16.50	16.52	18.50
15	256QAM	36	0	16.51	16.50	16.50	18.50
15	256QAM	36	20	16.50	16.50	16.51	18.50
15	256QAM	36	39	16.51	16.55	16.51	18.50
15	256QAM	75	0	16.52	16.55	16.50	18.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.13	21.17	21.16	22.80
10	QPSK	1	25	21.00	21.01	21.01	22.80
10	QPSK	1	49	21.00	21.02	21.01	22.80
10	QPSK	25	0	20.50	20.50	20.51	22.50
10	QPSK	25	12	20.51	20.54	20.51	22.50
10	QPSK	25	25	20.51	20.51	20.51	22.50
10	QPSK	50	0	20.51	20.59	20.51	22.50
10	16QAM	1	0	20.50	20.57	20.51	22.50
10	16QAM	1	25	20.51	20.57	20.56	22.50
10	16QAM	1	49	20.50	20.51	20.50	22.50
10	16QAM	25	0	19.51	19.53	19.50	21.50
10	16QAM	25	12	19.50	19.52	19.51	21.50
10	16QAM	25	25	19.50	19.51	19.51	21.50
10	16QAM	50	0	19.52	19.53	19.51	21.50
10	64QAM	1	0	19.50	19.52	19.50	21.50
10	64QAM	1	25	19.50	19.51	19.51	21.50
10	64QAM	1	49	19.50	19.52	19.50	21.50
10	64QAM	25	0	18.50	18.57	18.51	20.50
10	64QAM	25	12	18.51	18.52	18.52	20.50
10	64QAM	25	25	18.51	18.51	18.51	20.50
10	64QAM	50	0	18.52	18.50	18.51	20.50
10	256QAM	1	0	16.50	16.50	16.50	18.50
10	256QAM	1	25	16.52	16.50	16.50	18.50
10	256QAM	1	49	16.50	16.51	16.50	18.50
10	256QAM	25	0	16.51	16.50	16.50	18.50
10	256QAM	25	12	16.50	16.55	16.51	18.50
10	256QAM	25	25	16.50	16.61	16.51	18.50
10	256QAM	50	0	16.51	16.51	16.52	18.50
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.20	21.16	21.06	22.80
5	QPSK	1	12	21.02	21.05	21.05	22.80
5	QPSK	1	24	21.00	21.01	21.00	22.80
5	QPSK	12	0	20.51	20.54	20.50	22.50
5	QPSK	12	7	20.50	20.53	20.50	22.50
5	QPSK	12	13	20.50	20.50	20.51	22.50
5	QPSK	25	0	20.50	20.51	20.50	22.50
5	16QAM	1	0	20.50	20.50	20.50	22.50
5	16QAM	1	12	20.51	20.59	20.50	22.50
5	16QAM	1	24	20.51	20.59	20.51	22.50
5	16QAM	12	0	19.51	19.50	19.50	21.50
5	16QAM	12	7	19.50	19.52	19.51	21.50
5	16QAM	12	13	19.50	19.51	19.50	21.50
5	16QAM	25	0	19.51	19.50	19.50	21.50
5	64QAM	1	0	19.50	19.50	19.50	21.50
5	64QAM	1	12	19.50	19.51	19.51	21.50
5	64QAM	1	24	19.51	19.51	19.52	21.50
5	64QAM	12	0	18.50	18.51	18.50	20.50
5	64QAM	12	7	18.50	18.50	18.50	20.50
5	64QAM	12	13	18.51	18.50	18.50	20.50
5	64QAM	25	0	18.50	18.50	18.51	20.50
5	256QAM	1	0	16.50	16.50	16.51	18.50
5	256QAM	1	12	16.51	16.50	16.50	18.50
5	256QAM	1	24	16.51	16.50	16.51	18.50
5	256QAM	12	0	16.52	16.51	16.50	18.50
5	256QAM	12	7	16.51	16.54	16.52	18.50
5	256QAM	12	13	16.54	16.53	16.50	18.50



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5	256QAM	25	0	16.52	16.50	16.51	18.50
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.18	21.12	21.05	22.80
3	QPSK	1	8	21.00	21.12	21.00	22.80
3	QPSK	1	14	21.01	21.00	21.00	22.80
3	QPSK	8	0	20.56	20.51	20.51	22.50
3	QPSK	8	4	20.50	20.50	20.50	22.50
3	QPSK	8	7	20.50	20.50	20.50	22.50
3	QPSK	15	0	20.50	20.56	20.51	22.50
3	16QAM	1	0	20.51	20.58	20.50	22.50
3	16QAM	1	8	20.51	20.55	20.52	22.50
3	16QAM	1	14	20.51	20.50	20.50	22.50
3	16QAM	8	0	19.51	19.51	19.50	21.50
3	16QAM	8	4	19.52	19.50	19.50	21.50
3	16QAM	8	7	19.50	19.59	19.51	21.50
3	16QAM	15	0	19.50	19.51	19.51	21.50
3	64QAM	1	0	19.50	19.50	19.50	21.50
3	64QAM	1	8	19.51	19.51	19.52	21.50
3	64QAM	1	14	19.50	19.51	19.51	21.50
3	64QAM	8	0	18.50	18.50	18.50	20.50
3	64QAM	8	4	18.50	18.50	18.51	20.50
3	64QAM	8	7	18.51	18.50	18.50	20.50
3	64QAM	15	0	18.51	18.51	18.52	20.50
3	256QAM	1	0	16.50	16.51	16.51	18.50
3	256QAM	1	8	16.51	16.51	16.51	18.50
3	256QAM	1	14	16.50	16.51	16.50	18.50
3	256QAM	8	0	16.50	16.51	16.52	18.50
3	256QAM	8	4	16.52	16.50	16.51	18.50
3	256QAM	8	7	16.51	16.56	16.51	18.50
3	256QAM	15	0	16.51	16.51	16.50	18.50
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.07	21.22	21.05	22.80
1.4	QPSK	1	3	21.00	21.13	21.05	22.80
1.4	QPSK	1	5	21.00	21.00	21.00	22.80
1.4	QPSK	3	0	21.00	21.01	21.02	22.80
1.4	QPSK	3	1	21.00	21.00	21.01	22.80
1.4	QPSK	3	3	21.00	21.01	21.00	22.80
1.4	QPSK	6	0	20.50	20.50	20.50	22.50
1.4	16QAM	1	0	20.50	20.52	20.50	22.50
1.4	16QAM	1	3	20.50	20.58	20.57	22.50
1.4	16QAM	1	5	20.50	20.59	20.50	22.50
1.4	16QAM	3	0	20.52	20.51	20.51	22.50
1.4	16QAM	3	1	20.51	20.50	20.50	22.50
1.4	16QAM	3	3	20.50	20.50	20.51	22.50
1.4	16QAM	6	0	19.51	19.50	19.50	21.50
1.4	64QAM	1	0	19.51	19.51	19.51	21.50
1.4	64QAM	1	3	19.51	19.51	19.50	21.50
1.4	64QAM	1	5	19.51	19.56	19.50	21.50
1.4	64QAM	3	0	19.50	19.52	19.51	21.50
1.4	64QAM	3	1	19.50	19.51	19.50	21.50
1.4	64QAM	3	3	19.50	19.52	19.51	21.50
1.4	64QAM	6	0	18.51	18.50	18.51	20.50
1.4	256QAM	1	0	16.51	16.53	16.51	18.50
1.4	256QAM	1	3	16.52	16.52	16.52	18.50
1.4	256QAM	1	5	16.50	16.51	16.50	18.50
1.4	256QAM	3	0	16.52	16.50	16.51	18.50
1.4	256QAM	3	1	16.52	16.56	16.50	18.50
1.4	256QAM	3	3	16.52	16.50	16.50	18.50
1.4	256QAM	6	0	16.51	16.50	16.52	18.50

【LTE Band 66_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.69	21.70	21.65	23.00
20	QPSK	1	49	21.46	21.61	21.49	23.00
20	QPSK	1	99	21.35	21.42	21.29	23.00
20	QPSK	50	0	20.63	20.69	20.65	22.00
20	QPSK	50	24	20.53	20.61	20.51	22.00
20	QPSK	50	50	20.60	20.64	20.48	22.00



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20	QPSK	100	0	20.51	20.63	20.56	22.00
20	16QAM	1	0	20.57	20.61	20.54	22.00
20	16QAM	1	49	20.38	20.52	20.36	22.00
20	16QAM	1	99	20.58	20.67	20.60	22.00
20	16QAM	50	0	19.41	19.55	19.47	21.00
20	16QAM	50	24	19.48	19.52	19.37	21.00
20	16QAM	50	50	19.39	19.48	19.37	21.00
20	16QAM	100	0	19.41	19.51	19.37	21.00
20	64QAM	1	0	19.39	19.49	19.41	21.00
20	64QAM	1	49	19.49	19.56	19.38	21.00
20	64QAM	1	99	19.41	19.53	19.47	21.00
20	64QAM	50	0	18.40	18.49	18.36	20.00
20	64QAM	50	24	18.48	18.51	18.33	20.00
20	64QAM	50	50	18.53	18.56	18.41	20.00
20	64QAM	100	0	18.39	18.52	18.43	20.00
20	256QAM	1	0	16.50	16.62	16.55	18.00
20	256QAM	1	49	16.40	16.51	16.40	18.00
20	256QAM	1	99	16.51	16.60	16.52	18.00
20	256QAM	50	0	16.45	16.60	16.45	18.00
20	256QAM	50	24	16.46	16.53	16.42	18.00
20	256QAM	50	50	16.58	16.71	16.63	18.00
20	256QAM	100	0	16.52	16.60	16.49	18.00
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.59	21.57	21.64	23.00
15	QPSK	1	37	21.38	21.53	21.37	23.00
15	QPSK	1	74	21.25	21.32	21.25	23.00
15	QPSK	36	0	20.49	20.59	20.60	22.00
15	QPSK	36	20	20.49	20.52	20.40	22.00
15	QPSK	36	39	20.45	20.61	20.46	22.00
15	QPSK	75	0	20.42	20.54	20.42	22.00
15	16QAM	1	0	20.51	20.60	20.43	22.00
15	16QAM	1	37	20.28	20.39	20.24	22.00
15	16QAM	1	74	20.52	20.60	20.55	22.00
15	16QAM	36	0	19.40	19.44	19.34	21.00
15	16QAM	36	20	19.33	19.39	19.30	21.00
15	16QAM	36	39	19.24	19.46	19.28	21.00
15	16QAM	75	0	19.28	19.40	19.34	21.00
15	64QAM	1	0	19.33	19.41	19.38	21.00
15	64QAM	1	37	19.42	19.53	19.25	21.00
15	64QAM	1	74	19.27	19.38	19.39	21.00
15	64QAM	36	0	18.32	18.35	18.23	20.00
15	64QAM	36	20	18.41	18.42	18.32	20.00
15	64QAM	36	39	18.41	18.45	18.29	20.00
15	64QAM	75	0	18.35	18.45	18.32	20.00
15	256QAM	1	0	16.40	16.54	16.52	18.00
15	256QAM	1	37	16.27	16.46	16.33	18.00
15	256QAM	1	74	16.41	16.51	16.46	18.00
15	256QAM	36	0	16.43	16.47	16.33	18.00
15	256QAM	36	20	16.41	16.42	16.37	18.00
15	256QAM	36	39	16.56	16.56	16.55	18.00
15	256QAM	75	0	16.51	16.55	16.45	18.00
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.62	21.66	21.59	23.00
10	QPSK	1	25	21.42	21.58	21.36	23.00
10	QPSK	1	49	21.32	21.31	21.23	23.00
10	QPSK	25	0	20.57	20.60	20.63	22.00
10	QPSK	25	12	20.48	20.48	20.47	22.00
10	QPSK	25	25	20.48	20.51	20.37	22.00
10	QPSK	50	0	20.47	20.57	20.42	22.00
10	16QAM	1	0	20.50	20.53	20.43	22.00
10	16QAM	1	25	20.37	20.49	20.31	22.00
10	16QAM	1	49	20.55	20.62	20.58	22.00
10	16QAM	25	0	19.27	19.40	19.37	21.00
10	16QAM	25	12	19.38	19.47	19.32	21.00
10	16QAM	25	25	19.31	19.39	19.28	21.00
10	16QAM	50	0	19.36	19.44	19.25	21.00
10	64QAM	1	0	19.32	19.43	19.26	21.00
10	64QAM	1	25	19.35	19.45	19.32	21.00
10	64QAM	1	49	19.34	19.41	19.32	21.00
10	64QAM	25	0	18.35	18.36	18.28	20.00
10	64QAM	25	12	18.36	18.46	18.23	20.00
10	64QAM	25	25	18.38	18.50	18.27	20.00
10	64QAM	50	0	18.25	18.44	18.35	20.00
10	256QAM	1	0	16.47	16.52	16.44	18.00
10	256QAM	1	25	16.33	16.43	16.27	18.00
10	256QAM	1	49	16.38	16.53	16.38	18.00



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10	256QAM	25	0	16.42	16.47	16.33	18.00
10	256QAM	25	12	16.37	16.50	16.32	18.00
10	256QAM	25	25	16.45	16.64	16.54	18.00
10	256QAM	50	0	16.45	16.58	16.42	18.00
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.66	21.60	21.61	23.00
5	QPSK	1	12	21.45	21.50	21.37	23.00
5	QPSK	1	24	21.31	21.39	21.21	23.00
5	QPSK	12	0	20.54	20.57	20.53	22.00
5	QPSK	12	7	20.41	20.56	20.44	22.00
5	QPSK	12	13	20.48	20.54	20.35	22.00
5	QPSK	25	0	20.41	20.58	20.51	22.00
5	16QAM	1	0	20.54	20.56	20.41	22.00
5	16QAM	1	12	20.29	20.40	20.33	22.00
5	16QAM	1	24	20.47	20.60	20.47	22.00
5	16QAM	12	0	19.34	19.52	19.36	21.00
5	16QAM	12	7	19.34	19.50	19.30	21.00
5	16QAM	12	13	19.30	19.41	19.23	21.00
5	16QAM	25	0	19.36	19.36	19.23	21.00
5	64QAM	1	0	19.28	19.47	19.31	21.00
5	64QAM	1	12	19.34	19.44	19.24	21.00
5	64QAM	1	24	19.35	19.39	19.33	21.00
5	64QAM	12	0	18.35	18.38	18.32	20.00
5	64QAM	12	7	18.39	18.44	18.20	20.00
5	64QAM	12	13	18.48	18.43	18.30	20.00
5	64QAM	25	0	18.29	18.47	18.35	20.00
5	256QAM	1	0	16.37	16.49	16.52	18.00
5	256QAM	1	12	16.38	16.50	16.28	18.00
5	256QAM	1	24	16.47	16.51	16.41	18.00
5	256QAM	12	0	16.42	16.45	16.40	18.00
5	256QAM	12	7	16.35	16.43	16.30	18.00
5	256QAM	12	13	16.51	16.62	16.53	18.00
5	256QAM	25	0	16.44	16.49	16.39	18.00
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.58	21.64	21.51	23.00
3	QPSK	1	8	21.40	21.51	21.48	23.00
3	QPSK	1	14	21.29	21.34	21.15	23.00
3	QPSK	8	0	20.59	20.66	20.51	22.00
3	QPSK	8	4	20.47	20.51	20.37	22.00
3	QPSK	8	7	20.56	20.63	20.39	22.00
3	QPSK	15	0	20.40	20.55	20.48	22.00
3	16QAM	1	0	20.45	20.47	20.44	22.00
3	16QAM	1	8	20.28	20.48	20.30	22.00
3	16QAM	1	14	20.45	20.64	20.52	22.00
3	16QAM	8	0	19.30	19.46	19.35	21.00
3	16QAM	8	4	19.41	19.49	19.35	21.00
3	16QAM	8	7	19.29	19.36	19.31	21.00
3	16QAM	15	0	19.39	19.48	19.26	21.00
3	64QAM	1	0	19.30	19.48	19.31	21.00
3	64QAM	1	8	19.36	19.45	19.23	21.00
3	64QAM	1	14	19.35	19.39	19.36	21.00
3	64QAM	8	0	18.26	18.47	18.27	20.00
3	64QAM	8	4	18.40	18.47	18.28	20.00
3	64QAM	8	7	18.45	18.50	18.33	20.00
3	64QAM	15	0	18.30	18.40	18.31	20.00
3	256QAM	1	0	16.47	16.60	16.53	18.00
3	256QAM	1	8	16.39	16.44	16.38	18.00
3	256QAM	1	14	16.43	16.56	16.39	18.00
3	256QAM	8	0	16.42	16.55	16.42	18.00
3	256QAM	8	4	16.37	16.46	16.38	18.00
3	256QAM	8	7	16.48	16.60	16.49	18.00
3	256QAM	15	0	16.47	16.56	16.41	18.00
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.61	21.56	21.51	23.00
1.4	QPSK	1	3	21.38	21.57	21.43	23.00
1.4	QPSK	1	5	21.29	21.35	21.17	23.00
1.4	QPSK	3	0	21.50	21.58	21.53	23.00
1.4	QPSK	3	1	21.50	21.51	21.46	23.00
1.4	QPSK	3	3	21.51	21.52	21.41	23.00
1.4	QPSK	6	0	20.50	20.61	20.52	22.00
1.4	16QAM	1	0	20.53	20.47	20.44	22.00
1.4	16QAM	1	3	20.35	20.42	20.27	22.00
1.4	16QAM	1	5	20.51	20.60	20.55	22.00
1.4	16QAM	3	0	20.35	20.52	20.45	22.00
1.4	16QAM	3	1	20.40	20.43	20.33	22.00



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1.4	16QAM	3	3	20.28	20.40	20.25	22.00
1.4	16QAM	6	0	19.31	19.40	19.26	21.00
1.4	64QAM	1	0	19.30	19.38	19.33	21.00
1.4	64QAM	1	3	19.41	19.42	19.30	21.00
1.4	64QAM	1	5	19.33	19.40	19.34	21.00
1.4	64QAM	3	0	19.31	19.45	19.34	21.00
1.4	64QAM	3	1	19.46	19.36	19.20	21.00
1.4	64QAM	3	3	19.45	19.45	19.37	21.00
1.4	64QAM	6	0	18.36	18.46	18.41	20.00
1.4	256QAM	1	0	16.41	16.56	16.44	18.00
1.4	256QAM	1	3	16.34	16.47	16.25	18.00
1.4	256QAM	1	5	16.46	16.51	16.42	18.00
1.4	256QAM	3	0	16.34	16.56	16.36	18.00
1.4	256QAM	3	1	16.33	16.44	16.40	18.00
1.4	256QAM	3	3	16.45	16.68	16.51	18.00
1.4	256QAM	6	0	16.47	16.46	16.37	18.00



<5G NR Conducted Power>

【FR1 n2_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		23.29		24.00
40	PI/2 BPSK	1	108		23.10		24.00
40	PI/2 BPSK	1	214		23.13		24.00
40	PI/2 BPSK	108	0		23.15		24.00
40	PI/2 BPSK	108	54		23.19		24.00
40	PI/2 BPSK	108	108		23.13		24.00
40	PI/2 BPSK	216	0		23.16		24.00
40	QPSK	1	1		23.23		24.00
40	QPSK	1	108		23.13		24.00
40	QPSK	1	214		23.26		24.00
40	QPSK	108	0		23.05		24.00
40	QPSK	108	54		23.12		24.00
40	QPSK	108	108		23.06		24.00
40	QPSK	216	0		23.12		24.00
40	16QAM	1	1		23.16		24.00
40	64QAM	1	1		22.32		23.00
40	256QAM	1	1		20.28		21.00
Channel				373500	376000	378500	Tune-up limit
Frequency (MHz)				1867.5	1880	1892.5	(dBm)
35	PI/2 BPSK	1	1	23.17	23.26	23.10	24.00
Channel				373000	376000	379000	Tune-up limit
Frequency (MHz)				1865	1880	1895	(dBm)
30	PI/2 BPSK	1	1	23.22	23.19	23.20	24.00
Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	23.18	23.17	23.19	24.00
Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	23.18	23.27	23.13	24.00
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	23.12	23.21	23.17	24.00
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	23.23	23.26	23.18	24.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	23.24	23.25	23.11	24.00

【FR1 n2_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		19.80		21.40
40	PI/2 BPSK	1	108		19.73		21.40
40	PI/2 BPSK	1	214		19.59		21.40
40	PI/2 BPSK	108	0		19.70		21.40
40	PI/2 BPSK	108	54		19.78		21.40
40	PI/2 BPSK	108	108		19.72		21.40
40	PI/2 BPSK	216	0		19.72		21.40
40	QPSK	1	1		19.47		21.40
40	QPSK	1	108		19.65		21.40
40	QPSK	1	214		19.67		21.40
40	QPSK	108	0		19.57		21.40
40	QPSK	108	54		19.60		21.40
40	QPSK	108	108		19.74		21.40
40	QPSK	216	0		19.66		21.40
40	16QAM	1	1		19.45		21.40
40	64QAM	1	1		19.46		21.40
40	256QAM	1	1		19.44		21.40



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Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	19.72	19.74	19.68	21.40
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	19.64	19.77	19.62	21.40
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	19.65	19.78	19.70	21.40
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.73	19.73	19.72	21.40
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.62	19.75	19.67	21.40
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.69	19.68	19.73	21.40
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.72	19.67	19.68	21.40

【FR1 n2_Ant 3_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		17.89		19.50
40	PI/2 BPSK	1	108		17.72		19.50
40	PI/2 BPSK	1	214		17.77		19.50
40	PI/2 BPSK	108	0		17.63		19.50
40	PI/2 BPSK	108	54		17.77		19.50
40	PI/2 BPSK	108	108		17.75		19.50
40	PI/2 BPSK	216	0		17.80		19.50
40	QPSK	1	1		17.62		19.50
40	QPSK	1	108		17.65		19.50
40	QPSK	1	214		17.56		19.50
40	QPSK	108	0		17.68		19.50
40	QPSK	108	54		17.73		19.50
40	QPSK	108	108		17.57		19.50
40	QPSK	216	0		17.67		19.50
40	16QAM	1	1		17.56		19.50
40	64QAM	1	1		17.52		19.50
40	256QAM	1	1		17.68		19.50
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	17.80	17.79	17.79	19.50
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	17.74	17.78	17.75	19.50
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	17.73	17.87	17.73	19.50
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.82	17.81	17.82	19.50
20	PI/2 BPSK	1	53	0.00	0.00	0.00	19.50
20	PI/2 BPSK	1	104	0.00	0.00	0.00	19.50
20	PI/2 BPSK	50	0	0.00	0.00	0.00	19.50
20	PI/2 BPSK	50	28	0.00	0.00	0.00	19.50
20	PI/2 BPSK	50	56	0.00	0.00	0.00	19.50
20	PI/2 BPSK	100	0	0.00	0.00	0.00	19.50
20	QPSK	1	1	0.00	0.00	0.00	19.50
20	QPSK	1	53	0.00	0.00	0.00	19.50
20	QPSK	1	104	0.00	0.00	0.00	19.50
20	QPSK	50	0	0.00	0.00	0.00	19.50
20	QPSK	50	28	0.00	0.00	0.00	19.50
20	QPSK	50	56	0.00	0.00	0.00	19.50
20	QPSK	100	0	0.00	0.00	0.00	19.50
20	16QAM	1	1	0.00	0.00	0.00	19.50
20	64QAM	1	1	0.00	0.00	0.00	19.50
20	256QAM	1	1	0.00	0.00	0.00	19.50
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	



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15	PI/2 BPSK	1	1	17.71	17.85	17.74	19.50
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	17.80	17.75	17.80	19.50
10	PI/2 BPSK	1	26	0.00	0.00	0.00	19.50
10	PI/2 BPSK	1	50	0.00	0.00	0.00	19.50
10	PI/2 BPSK	25	0	0.00	0.00	0.00	19.50
10	PI/2 BPSK	25	14	0.00	0.00	0.00	19.50
10	PI/2 BPSK	25	27	0.00	0.00	0.00	19.50
10	PI/2 BPSK	50	0	0.00	0.00	0.00	19.50
10	QPSK	1	1	0.00	0.00	0.00	19.50
10	QPSK	1	26	0.00	0.00	0.00	19.50
10	QPSK	1	50	0.00	0.00	0.00	19.50
10	QPSK	25	0	0.00	0.00	0.00	19.50
10	QPSK	25	14	0.00	0.00	0.00	19.50
10	QPSK	25	27	0.00	0.00	0.00	19.50
10	QPSK	50	0	0.00	0.00	0.00	19.50
10	16QAM	1	1	0.00	0.00	0.00	19.50
10	64QAM	1	1	0.00	0.00	0.00	19.50
10	256QAM	1	1	0.00	0.00	0.00	19.50
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	17.76	17.80	17.82	19.50

【FR1 n2_Ant 3_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		22.17		23.40
40	PI/2 BPSK	1	108		22.05		23.40
40	PI/2 BPSK	1	214		21.78		23.40
40	PI/2 BPSK	108	0		21.82		23.40
40	PI/2 BPSK	108	54		22.11		23.40
40	PI/2 BPSK	108	108		22.01		23.40
40	PI/2 BPSK	216	0		22.11		23.40
40	QPSK	1	1		21.96		23.40
40	QPSK	1	108		22.07		23.40
40	QPSK	1	214		22.08		23.40
40	QPSK	108	0		21.89		23.40
40	QPSK	108	54		21.82		23.40
40	QPSK	108	108		22.14		23.40
40	QPSK	216	0		22.07		23.40
40	16QAM	1	1		21.98		23.40
40	64QAM	1	1		22.02		23.00
40	256QAM	1	1		20.13		21.00
Channel				373500	376000	378500	Tune-up limit
Frequency (MHz)				1867.5	1880	1892.5	(dBm)
35	PI/2 BPSK	1	1	21.96	22.08	21.96	23.40
Channel				373000	376000	379000	Tune-up limit
Frequency (MHz)				1865	1880	1895	(dBm)
30	PI/2 BPSK	1	1	21.93	22.05	21.95	23.40
Channel				372500	376000	379500	Tune-up limit
Frequency (MHz)				1862.5	1880	1897.5	(dBm)
25	PI/2 BPSK	1	1	21.95	22.09	22.05	23.40
Channel				372000	376000	380000	Tune-up limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	PI/2 BPSK	1	1	22.02	22.10	21.99	23.40
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	(dBm)
15	PI/2 BPSK	1	1	22.00	22.10	22.01	23.40
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	(dBm)
10	PI/2 BPSK	1	1	21.96	22.06	21.96	23.40
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	(dBm)
5	PI/2 BPSK	1	1	22.04	22.14	22.01	23.40

**【FR1 n2_Ant 3_DSI 12】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		15.13		16.00
40	PI/2 BPSK	1	108		14.96		16.00
40	PI/2 BPSK	1	214		15.02		16.00
40	PI/2 BPSK	108	0		14.93		16.00
40	PI/2 BPSK	108	54		15.05		16.00
40	PI/2 BPSK	108	108		14.98		16.00
40	PI/2 BPSK	216	0		15.01		16.00
40	QPSK	1	1		15.09		16.00
40	QPSK	1	108		14.95		16.00
40	QPSK	1	214		15.05		16.00
40	QPSK	108	0		15.01		16.00
40	QPSK	108	54		15.04		16.00
40	QPSK	108	108		14.94		16.00
40	QPSK	216	0		14.96		16.00
40	16QAM	1	1		14.93		16.00
40	64QAM	1	1		15.08		16.00
40	256QAM	1	1		15.08		16.00
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	15.04	15.05	14.98	16.00
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	15.04	15.00	14.98	16.00
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	14.92	15.11	14.99	16.00
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	14.94	15.05	14.92	16.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.02	14.98	14.90	16.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	14.97	15.00	14.87	16.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.00	15.08	14.89	16.00

【FR1 n2_Ant 3_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		17.27		18.90
40	PI/2 BPSK	1	108		16.98		18.90
40	PI/2 BPSK	1	214		17.06		18.90
40	PI/2 BPSK	108	0		17.11		18.90
40	PI/2 BPSK	108	54		17.25		18.90
40	PI/2 BPSK	108	108		17.08		18.90
40	PI/2 BPSK	216	0		17.19		18.90
40	QPSK	1	1		17.20		18.90
40	QPSK	1	108		17.04		18.90
40	QPSK	1	214		17.09		18.90
40	QPSK	108	0		16.95		18.90
40	QPSK	108	54		16.96		18.90
40	QPSK	108	108		17.20		18.90
40	QPSK	216	0		17.05		18.90
40	16QAM	1	1		17.15		18.90
40	64QAM	1	1		16.94		18.90
40	256QAM	1	1		17.06		18.90
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	17.07	17.13	17.11	18.90
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	



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30	PI/2 BPSK	1	1	17.12	17.19	17.13	18.90
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	17.15	17.15	17.09	18.90
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.08	17.22	17.10	18.90
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.18	17.18	17.22	18.90
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	17.15	17.18	17.16	18.90
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.09	17.20	17.16	18.90

【FR1 n2_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376000		
Frequency (MHz)					1880		
40	PI/2 BPSK	1	1		23.29		24.00
40	PI/2 BPSK	1	108		23.10		24.00
40	PI/2 BPSK	1	214		23.13		24.00
40	PI/2 BPSK	108	0		23.15		24.00
40	PI/2 BPSK	108	54		23.19		24.00
40	PI/2 BPSK	108	108		23.13		24.00
40	PI/2 BPSK	216	0		23.16		24.00
40	QPSK	1	1		23.23		24.00
40	QPSK	1	108		23.13		24.00
40	QPSK	1	214		23.26		24.00
40	QPSK	108	0		23.05		24.00
40	QPSK	108	54		23.12		24.00
40	QPSK	108	108		23.06		24.00
40	QPSK	216	0		23.12		24.00
40	16QAM	1	1		23.16		24.00
40	64QAM	1	1		22.32		23.00
40	256QAM	1	1		20.28		21.00
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1880	1892.5	
35	PI/2 BPSK	1	1	23.17	23.26	23.10	24.00
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	23.22	23.19	23.20	24.00
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1880	1897.5	
25	PI/2 BPSK	1	1	23.18	23.17	23.19	24.00
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.18	23.27	23.13	24.00
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.12	23.21	23.17	24.00
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.23	23.26	23.18	24.00
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.24	23.25	23.11	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		23.64		24.00
50	PI/2 BPSK	1	135		23.58		24.00
50	PI/2 BPSK	1	268		23.60		24.00



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50	PI/2 BPSK	135	0		23.53		24.00
50	PI/2 BPSK	135	68		23.61		24.00
50	PI/2 BPSK	135	135		23.56		24.00
50	PI/2 BPSK	270	0		23.58		24.00
50	QPSK	1	1		23.72		24.00
50	QPSK	1	135		23.73		24.00
50	QPSK	1	268		23.78		24.00
50	QPSK	135	0		23.66		24.00
50	QPSK	135	68		23.81		24.00
50	QPSK	135	135		23.67		24.00
50	QPSK	270	0		23.64		24.00
50	16QAM	1	1		23.64		24.00
50	64QAM	1	1		22.83		23.00
50	256QAM	1	1		20.83		21.00
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	23.54	23.53	23.53	24.00
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	23.57	23.49	23.50	24.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	23.55	23.55	23.45	24.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	23.50	23.61	23.43	24.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	23.62	23.51	23.43	24.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	23.48	23.58	23.56	24.00
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	23.48	23.51	23.49	24.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	23.54	23.56	23.45	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		15.12		16.70
50	PI/2 BPSK	1	135		15.01		16.70
50	PI/2 BPSK	1	268		14.98		16.70
50	PI/2 BPSK	135	0		15.07		16.70
50	PI/2 BPSK	135	68		15.11		16.70
50	PI/2 BPSK	135	135		15.06		16.70
50	PI/2 BPSK	270	0		15.09		16.70
50	QPSK	1	1		14.93		16.70
50	QPSK	1	135		14.96		16.70
50	QPSK	1	268		15.03		16.70
50	QPSK	135	0		15.02		16.70
50	QPSK	135	68		14.99		16.70
50	QPSK	135	135		14.99		16.70
50	QPSK	270	0		15.02		16.70
50	16QAM	1	1		14.96		16.70
50	64QAM	1	1		14.94		16.70
50	256QAM	1	1		15.02		16.70
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	14.99	14.98	14.97	16.70
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	15.05	14.97	15.02	16.70
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	15.08	14.98	15.03	16.70
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	14.96	15.07	14.98	16.70
Channel				502000	507000	512000	Tune-up limit



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Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	14.99	15.10	15.05	16.70
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	14.95	15.03	14.97	16.70
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	15.01	15.11	14.97	16.70
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	15.02	15.10	14.97	16.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		16.66		18.40
50	PI/2 BPSK	1	135		16.60		18.40
50	PI/2 BPSK	1	268		16.48		18.40
50	PI/2 BPSK	135	0		16.63		18.40
50	PI/2 BPSK	135	68		16.64		18.40
50	PI/2 BPSK	135	135		16.46		18.40
50	PI/2 BPSK	270	0		16.61		18.40
50	QPSK	1	1		16.51		18.40
50	QPSK	1	135		16.58		18.40
50	QPSK	1	268		16.59		18.40
50	QPSK	135	0		16.58		18.40
50	QPSK	135	68		16.45		18.40
50	QPSK	135	135		16.45		18.40
50	QPSK	270	0		16.48		18.40
50	16QAM	1	1		16.61		18.40
50	64QAM	1	1		16.55		18.40
50	256QAM	1	1		16.44		18.40
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	16.57	16.65	16.55	18.40
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	16.50	16.59	16.53	18.40
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	16.55	16.63	16.49	18.40
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	16.56	16.53	16.50	18.40
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	16.55	16.53	16.57	18.40
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	16.50	16.56	16.53	18.40
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	16.55	16.60	16.52	18.40
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	16.51	16.61	16.51	18.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		23.64		24.00
50	PI/2 BPSK	1	135		23.58		24.00
50	PI/2 BPSK	1	268		23.60		24.00
50	PI/2 BPSK	135	0		23.53		24.00
50	PI/2 BPSK	135	68		23.61		24.00



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50	PI/2 BPSK	135	135		23.56		24.00
50	PI/2 BPSK	270	0		23.58		24.00
50	QPSK	1	1		23.72		24.00
50	QPSK	1	135		23.73		24.00
50	QPSK	1	268		23.78		24.00
50	QPSK	135	0		23.66		24.00
50	QPSK	135	68		23.81		24.00
50	QPSK	135	135		23.67		24.00
50	QPSK	270	0		23.64		24.00
50	16QAM	1	1		23.64		24.00
50	64QAM	1	1		22.83		23.00
50	256QAM	1	1		20.83		21.00
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.54	23.53	23.53	24.00
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	PI/2 BPSK	1	1	23.57	23.49	23.50	24.00
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.55	23.55	23.45	24.00
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.50	23.61	23.43	24.00
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.62	23.51	23.43	24.00
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.48	23.58	23.56	24.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.48	23.51	23.49	24.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.54	23.56	23.45	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		12.21		13.50
50	PI/2 BPSK	1	135		12.11		13.50
50	PI/2 BPSK	1	268		12.11		13.50
50	PI/2 BPSK	135	0		12.18		13.50
50	PI/2 BPSK	135	68		12.20		13.50
50	PI/2 BPSK	135	135		12.10		13.50
50	PI/2 BPSK	270	0		12.16		13.50
50	QPSK	1	1		12.15		13.50
50	QPSK	1	135		12.11		13.50
50	QPSK	1	268		12.12		13.50
50	QPSK	135	0		12.08		13.50
50	QPSK	135	68		12.09		13.50
50	QPSK	135	135		12.06		13.50
50	QPSK	270	0		12.14		13.50
50	16QAM	1	1		12.16		13.50
50	64QAM	1	1		12.13		13.50
50	256QAM	1	1		12.17		13.50
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	12.08	12.08	12.04	13.50
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	PI/2 BPSK	1	1	12.11	12.09	12.15	13.50
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	12.10	12.13	12.03	13.50
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	12.08	12.10	12.06	13.50
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	12.17	12.06	12.06	13.50



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Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	12.07	12.16	12.05	13.50
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	12.11	12.15	12.04	13.50
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	12.13	12.06	12.05	13.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		15.12		16.70
50	PI/2 BPSK	1	135		15.01		16.70
50	PI/2 BPSK	1	268		14.98		16.70
50	PI/2 BPSK	135	0		15.07		16.70
50	PI/2 BPSK	135	68		15.11		16.70
50	PI/2 BPSK	135	135		15.06		16.70
50	PI/2 BPSK	270	0		15.09		16.70
50	QPSK	1	1		14.93		16.70
50	QPSK	1	135		14.96		16.70
50	QPSK	1	268		15.03		16.70
50	QPSK	135	0		15.02		16.70
50	QPSK	135	68		14.99		16.70
50	QPSK	135	135		14.99		16.70
50	QPSK	270	0		15.02		16.70
50	16QAM	1	1		14.96		16.70
50	64QAM	1	1		14.94		16.70
50	256QAM	1	1		15.02		16.70
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	14.99	14.98	14.97	16.70
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	PI/2 BPSK	1	1	15.05	14.97	15.02	16.70
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	15.08	14.98	15.03	16.70
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	14.96	15.07	14.98	16.70
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	14.99	15.10	15.05	16.70
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	14.95	15.03	14.97	16.70
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	15.01	15.11	14.97	16.70
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	15.02	15.10	14.97	16.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		22.52		23.50
50	PI/2 BPSK	1	135		22.49		23.50
50	PI/2 BPSK	1	268		22.42		23.50
50	PI/2 BPSK	135	0		22.41		23.50
50	PI/2 BPSK	135	68		22.50		23.50
50	PI/2 BPSK	135	135		22.36		23.50
50	PI/2 BPSK	270	0		22.31		23.50



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50	QPSK	1	1		22.28		23.50
50	QPSK	1	135		22.40		23.50
50	QPSK	1	268		22.35		23.50
50	QPSK	135	0		22.50		23.50
50	QPSK	135	68		22.32		23.50
50	QPSK	135	135		22.38		23.50
50	QPSK	270	0		22.49		23.50
50	16QAM	1	1		22.50		23.50
50	64QAM	1	1		22.83		23.50
50	256QAM	1	1		20.83		21.00
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	22.40	22.41	22.37	23.50
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	22.48	22.43	22.36	23.50
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	22.43	22.51	22.39	23.50
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	22.45	22.38	22.41	23.50
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	22.37	22.40	22.40	23.50
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	22.41	22.46	22.35	23.50
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	22.39	22.40	22.41	23.50
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	22.48	22.40	22.39	23.50

【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					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		22.27		23.00
50	PI/2 BPSK	1	135		22.08		23.00
50	PI/2 BPSK	1	268		22.12		23.00
50	PI/2 BPSK	135	0		22.13		23.00
50	PI/2 BPSK	135	68		22.25		23.00
50	PI/2 BPSK	135	135		22.11		23.00
50	PI/2 BPSK	270	0		22.21		23.00
50	QPSK	1	1		22.20		23.00
50	QPSK	1	135		22.21		23.00
50	QPSK	1	268		22.22		23.00
50	QPSK	135	0		22.03		23.00
50	QPSK	135	68		22.16		23.00
50	QPSK	135	135		22.14		23.00
50	QPSK	270	0		22.10		23.00
50	16QAM	1	1		22.05		23.00
50	64QAM	1	1		20.75		21.50
50	256QAM	1	1		19.06		20.50
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	22.08	22.22	22.03	23.00
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	22.18	22.17	22.08	23.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	22.15	22.22	22.10	23.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	22.07	22.20	22.10	23.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	22.16	22.13	22.15	23.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)



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15	PI/2 BPSK	1	1	22.07	22.17	22.16	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.14	22.21	22.04	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.15	22.16	22.12	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		22.27		23.00
50	PI/2 BPSK	1	135		22.08		23.00
50	PI/2 BPSK	1	268		22.12		23.00
50	PI/2 BPSK	135	0		22.13		23.00
50	PI/2 BPSK	135	68		22.25		23.00
50	PI/2 BPSK	135	135		22.11		23.00
50	PI/2 BPSK	270	0		22.21		23.00
50	QPSK	1	1		22.20		23.00
50	QPSK	1	135		22.21		23.00
50	QPSK	1	268		22.22		23.00
50	QPSK	135	0		22.03		23.00
50	QPSK	135	68		22.16		23.00
50	QPSK	135	135		22.14		23.00
50	QPSK	270	0		22.10		23.00
50	16QAM	1	1		22.05		23.00
50	64QAM	1	1		20.75		22.00
50	256QAM	1	1		19.06		20.00
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.08	22.22	22.03	23.00
Channel				503500	507000	510500	Tune-up limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	PI/2 BPSK	1	1	22.18	22.17	22.08	23.00
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.15	22.22	22.10	23.00
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.07	22.20	22.10	23.00
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.16	22.13	22.15	23.00
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.07	22.17	22.16	23.00
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.14	22.21	22.04	23.00
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.15	22.16	22.12	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		19.19		20.80
50	PI/2 BPSK	1	135		19.15		20.80
50	PI/2 BPSK	1	268		18.99		20.80
50	PI/2 BPSK	135	0		19.11		20.80
50	PI/2 BPSK	135	68		19.17		20.80
50	PI/2 BPSK	135	135		19.15		20.80
50	PI/2 BPSK	270	0		19.11		20.80
50	QPSK	1	1		18.97		20.80
50	QPSK	1	135		19.13		20.80



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50	QPSK	1	268		18.98		20.80
50	QPSK	135	0		18.96		20.80
50	QPSK	135	68		18.95		20.80
50	QPSK	135	135		19.04		20.80
50	QPSK	270	0		19.08		20.80
50	16QAM	1	1		19.02		20.80
50	64QAM	1	1		18.94		20.80
50	256QAM	1	1		19.06		20.50
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	18.99	19.10	19.12	20.80
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	18.98	19.08	19.03	20.80
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	19.10	19.06	19.10	20.80
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	19.05	19.10	19.13	20.80
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	19.01	19.10	19.09	20.80
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	19.11	19.07	19.07	20.80
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	19.08	19.16	19.07	20.80
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	19.05	19.11	19.11	20.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		22.27		23.00
50	PI/2 BPSK	1	135		22.08		23.00
50	PI/2 BPSK	1	268		22.12		23.00
50	PI/2 BPSK	135	0		22.13		23.00
50	PI/2 BPSK	135	68		22.25		23.00
50	PI/2 BPSK	135	135		22.11		23.00
50	PI/2 BPSK	270	0		22.21		23.00
50	QPSK	1	1		22.20		23.00
50	QPSK	1	135		22.21		23.00
50	QPSK	1	268		22.22		23.00
50	QPSK	135	0		22.03		23.00
50	QPSK	135	68		22.16		23.00
50	QPSK	135	135		22.14		23.00
50	QPSK	270	0		22.10		23.00
50	16QAM	1	1		22.05		23.00
50	64QAM	1	1		20.75		22.00
50	256QAM	1	1		19.06		20.00
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	22.08	22.22	22.03	23.00
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	22.18	22.17	22.08	23.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	22.15	22.22	22.10	23.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	22.07	22.20	22.10	23.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	22.16	22.13	22.15	23.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	22.07	22.17	22.16	23.00
Channel				501000	507000	513000	Tune-up limit



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Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	22.14	22.21	22.04	23.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	22.15	22.16	22.12	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		14.21		15.30
50	PI/2 BPSK	1	135		14.18		15.30
50	PI/2 BPSK	1	268		14.09		15.30
50	PI/2 BPSK	135	0		14.18		15.30
50	PI/2 BPSK	135	68		14.20		15.30
50	PI/2 BPSK	135	135		14.10		15.30
50	PI/2 BPSK	270	0		14.06		15.30
50	QPSK	1	1		14.08		15.30
50	QPSK	1	135		14.13		15.30
50	QPSK	1	268		14.09		15.30
50	QPSK	135	0		14.11		15.30
50	QPSK	135	68		14.12		15.30
50	QPSK	135	135		14.17		15.30
50	QPSK	270	0		14.16		15.30
50	16QAM	1	1		14.17		15.30
50	64QAM	1	1		14.10		15.30
50	256QAM	1	1		14.10		15.30
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	14.07	14.13	14.07	15.30
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	14.17	14.09	14.04	15.30
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	14.08	14.12	14.10	15.30
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	14.05	14.10	14.07	15.30
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	14.12	14.20	14.06	15.30
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	14.06	14.09	14.12	15.30
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	14.04	14.11	14.14	15.30
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	14.07	14.17	14.15	15.30

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		19.19		20.80
50	PI/2 BPSK	1	135		19.15		20.80
50	PI/2 BPSK	1	268		18.99		20.80
50	PI/2 BPSK	135	0		19.11		20.80
50	PI/2 BPSK	135	68		19.17		20.80
50	PI/2 BPSK	135	135		19.15		20.80
50	PI/2 BPSK	270	0		19.11		20.80
50	QPSK	1	1		18.97		20.80
50	QPSK	1	135		19.13		20.80
50	QPSK	1	268		18.98		20.80
50	QPSK	135	0		18.96		20.80
50	QPSK	135	68		18.95		20.80
50	QPSK	135	135		19.04		20.80
50	QPSK	270	0		19.08		20.80
50	16QAM	1	1		19.02		20.80



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50	64QAM	1	1		18.94		20.80
50	256QAM	1	1		19.06		20.50
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	18.99	19.13	19.07	20.80
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	19.06	19.16	19.10	20.80
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	19.01	19.13	19.02	20.80
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	19.04	19.14	19.09	20.80
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	19.02	19.10	19.08	20.80
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	19.02	19.10	19.13	20.80
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	18.98	19.14	19.06	20.80
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	19.04	19.07	19.15	20.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					507000		
Frequency (MHz)					2535		
50	PI/2 BPSK	1	1		22.27		23.00
50	PI/2 BPSK	1	135		22.08		23.00
50	PI/2 BPSK	1	268		22.12		23.00
50	PI/2 BPSK	135	0		22.13		23.00
50	PI/2 BPSK	135	68		22.25		23.00
50	PI/2 BPSK	135	135		22.11		23.00
50	PI/2 BPSK	270	0		22.21		23.00
50	QPSK	1	1		22.20		23.00
50	QPSK	1	135		22.21		23.00
50	QPSK	1	268		22.22		23.00
50	QPSK	135	0		22.03		23.00
50	QPSK	135	68		22.16		23.00
50	QPSK	135	135		22.14		23.00
50	QPSK	270	0		22.10		23.00
50	16QAM	1	1		22.05		23.00
50	64QAM	1	1		20.75		22.00
50	256QAM	1	1		19.06		20.00
Channel				504000	507000	510000	Tune-up limit
Frequency (MHz)				2520	2535	2550	(dBm)
40	PI/2 BPSK	1	1	22.08	22.22	22.03	23.00
Channel				503500	507000	510500	Tune-up limit
Frequency (MHz)				2517.5	2535	2552.5	(dBm)
35	PI/2 BPSK	1	1	22.18	22.17	22.08	23.00
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	(dBm)
30	PI/2 BPSK	1	1	22.15	22.22	22.10	23.00
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	(dBm)
25	PI/2 BPSK	1	1	22.07	22.20	22.10	23.00
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	(dBm)
20	PI/2 BPSK	1	1	22.16	22.13	22.15	23.00
Channel				501500	507000	512500	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	(dBm)
15	PI/2 BPSK	1	1	22.07	22.17	22.16	23.00
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	(dBm)
10	PI/2 BPSK	1	1	22.14	22.21	22.04	23.00
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	(dBm)
5	PI/2 BPSK	1	1	22.15	22.16	22.12	23.00

**【FR1 n25_Ant 3_Full Power】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		23.32		24.00
40	PI/2 BPSK	1	108		23.10		24.00
40	PI/2 BPSK	1	214		23.26		24.00
40	PI/2 BPSK	108	0		23.13		24.00
40	PI/2 BPSK	108	54		23.20		24.00
40	PI/2 BPSK	108	108		23.16		24.00
40	PI/2 BPSK	216	0		23.18		24.00
40	QPSK	1	1		23.31		24.00
40	QPSK	1	108		23.12		24.00
40	QPSK	1	214		23.37		24.00
40	QPSK	108	0		23.14		24.00
40	QPSK	108	54		23.20		24.00
40	QPSK	108	108		23.17		24.00
40	QPSK	216	0		23.19		24.00
40	16QAM	1	1		23.13		24.00
40	64QAM	1	1		22.33		23.00
40	256QAM	1	1		20.27		21.00
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	23.28	23.22	23.27	24.00
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.28	23.28	23.16	24.00
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.24	23.29	23.16	24.00
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.24	23.19	23.27	24.00
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.20	23.22	23.16	24.00
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.25	23.30	23.19	24.00
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.23	23.21	23.15	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		19.89		21.40
40	PI/2 BPSK	1	108		19.49		21.40
40	PI/2 BPSK	1	214		19.61		21.40
40	PI/2 BPSK	108	0		19.52		21.40
40	PI/2 BPSK	108	54		19.81		21.40
40	PI/2 BPSK	108	108		19.50		21.40
40	PI/2 BPSK	216	0		19.78		21.40
40	QPSK	1	1		19.49		21.40
40	QPSK	1	108		19.53		21.40
40	QPSK	1	214		19.72		21.40
40	QPSK	108	0		19.52		21.40
40	QPSK	108	54		19.67		21.40
40	QPSK	108	108		19.77		21.40
40	QPSK	216	0		19.55		21.40
40	16QAM	1	1		19.77		21.40
40	64QAM	1	1		19.68		21.40
40	256QAM	1	1		19.72		21.40
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	19.79	19.78	19.83	21.40
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.76	19.86	19.72	21.40



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Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.68	19.86	19.78	21.40
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.72	19.85	19.71	21.40
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.70	19.75	19.82	21.40
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.69	19.78	19.77	21.40
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.77	19.76	19.72	21.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		17.94		19.50
40	PI/2 BPSK	1	108		17.68		19.50
40	PI/2 BPSK	1	214		17.75		19.50
40	PI/2 BPSK	108	0		17.62		19.50
40	PI/2 BPSK	108	54		17.81		19.50
40	PI/2 BPSK	108	108		17.74		19.50
40	PI/2 BPSK	216	0		17.78		19.50
40	QPSK	1	1		17.62		19.50
40	QPSK	1	108		17.61		19.50
40	QPSK	1	214		17.60		19.50
40	QPSK	108	0		17.66		19.50
40	QPSK	108	54		17.68		19.50
40	QPSK	108	108		17.60		19.50
40	QPSK	216	0		17.61		19.50
40	16QAM	1	1		17.55		19.50
40	64QAM	1	1		17.56		19.50
40	256QAM	1	1		17.72		19.50
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.68	17.72	17.66	19.50
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.67	17.82	17.70	19.50
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.79	17.82	17.71	19.50
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.76	17.71	17.71	19.50
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.73	17.82	17.75	19.50
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.75	17.70	17.73	19.50
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.70	17.76	17.73	19.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		22.29		23.40
40	PI/2 BPSK	1	108		22.20		23.40
40	PI/2 BPSK	1	214		21.98		23.40
40	PI/2 BPSK	108	0		22.00		23.40



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40	PI/2 BPSK	108	54		22.28		23.40
40	PI/2 BPSK	108	108		22.18		23.40
40	PI/2 BPSK	216	0		22.26		23.40
40	QPSK	1	1		22.07		23.40
40	QPSK	1	108		22.21		23.40
40	QPSK	1	214		22.18		23.40
40	QPSK	108	0		22.00		23.40
40	QPSK	108	54		22.03		23.40
40	QPSK	108	108		22.27		23.40
40	QPSK	216	0		22.17		23.40
40	16QAM	1	1		22.18		23.40
40	64QAM	1	1		22.14		23.00
40	256QAM	1	1		20.27		21.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	22.23	22.21	22.13	23.40
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	22.23	22.20	22.17	23.40
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	22.18	22.21	22.17	23.40
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	22.17	22.20	22.13	23.40
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	22.20	22.23	22.18	23.40
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	22.10	22.26	22.12	23.40
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	22.23	22.14	22.18	23.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		15.25		16.00
40	PI/2 BPSK	1	108		15.11		16.00
40	PI/2 BPSK	1	214		15.19		16.00
40	PI/2 BPSK	108	0		15.11		16.00
40	PI/2 BPSK	108	54		15.24		16.00
40	PI/2 BPSK	108	108		15.18		16.00
40	PI/2 BPSK	216	0		15.22		16.00
40	QPSK	1	1		15.19		16.00
40	QPSK	1	108		15.12		16.00
40	QPSK	1	214		15.17		16.00
40	QPSK	108	0		15.19		16.00
40	QPSK	108	54		15.17		16.00
40	QPSK	108	108		15.12		16.00
40	QPSK	216	0		15.12		16.00
40	16QAM	1	1		15.11		16.00
40	64QAM	1	1		15.21		16.00
40	256QAM	1	1		15.21		16.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	15.18	15.20	15.11	16.00
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	15.19	15.14	15.08	16.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	15.07	15.22	15.10	16.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	15.07	15.21	15.09	16.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	15.09	15.11	15.19	16.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)



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10	PI/2 BPSK	1	1	15.14	15.22	15.16	16.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	15.14	15.14	15.19	16.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		17.34		18.90
40	PI/2 BPSK	1	108		17.18		18.90
40	PI/2 BPSK	1	214		17.25		18.90
40	PI/2 BPSK	108	0		17.12		18.90
40	PI/2 BPSK	108	54		17.31		18.90
40	PI/2 BPSK	108	108		17.24		18.90
40	PI/2 BPSK	216	0		17.28		18.90
40	QPSK	1	1		17.12		18.90
40	QPSK	1	108		16.99		18.90
40	QPSK	1	214		17.10		18.90
40	QPSK	108	0		17.16		18.90
40	QPSK	108	54		17.18		18.90
40	QPSK	108	108		17.10		18.90
40	QPSK	216	0		17.11		18.90
40	16QAM	1	1		16.99		18.90
40	64QAM	1	1		17.06		18.90
40	256QAM	1	1		17.22		18.90
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	17.20	17.28	17.22	18.90
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	17.18	17.33	17.26	18.90
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	17.22	17.24	17.28	18.90
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	17.26	17.31	17.16	18.90
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	17.26	17.31	17.19	18.90
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	17.24	17.31	17.19	18.90
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	17.23	17.25	17.17	18.90

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					376500		
Frequency (MHz)					1882.5		
40	PI/2 BPSK	1	1		23.32		24.00
40	PI/2 BPSK	1	108		23.10		24.00
40	PI/2 BPSK	1	214		23.26		24.00
40	PI/2 BPSK	108	0		23.13		24.00
40	PI/2 BPSK	108	54		23.20		24.00
40	PI/2 BPSK	108	108		23.16		24.00
40	PI/2 BPSK	216	0		23.18		24.00
40	QPSK	1	1		23.31		24.00
40	QPSK	1	108		23.12		24.00
40	QPSK	1	214		23.37		24.00
40	QPSK	108	0		23.14		24.00
40	QPSK	108	54		23.20		24.00
40	QPSK	108	108		23.17		24.00
40	QPSK	216	0		23.19		24.00
40	16QAM	1	1		23.13		24.00



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40	64QAM	1	1		22.33		23.00
40	256QAM	1	1		20.27		21.00
Channel				373500	376500	379500	Tune-up limit
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)
35	PI/2 BPSK	1	1	23.28	23.22	23.27	24.00
Channel				373000	376500	380000	Tune-up limit
Frequency (MHz)				1865	1882.5	1900	(dBm)
30	PI/2 BPSK	1	1	23.28	23.28	23.16	24.00
Channel				372500	376500	380500	Tune-up limit
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)
25	PI/2 BPSK	1	1	23.24	23.29	23.16	24.00
Channel				372000	376500	381000	Tune-up limit
Frequency (MHz)				1860	1882.5	1905	(dBm)
20	PI/2 BPSK	1	1	23.24	23.19	23.27	24.00
Channel				371500	376500	381500	Tune-up limit
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)
15	PI/2 BPSK	1	1	23.20	23.22	23.16	24.00
Channel				371000	376500	382000	Tune-up limit
Frequency (MHz)				1855	1882.5	1910	(dBm)
10	PI/2 BPSK	1	1	23.25	23.30	23.19	24.00
Channel				370500	376500	382500	Tune-up limit
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)
5	PI/2 BPSK	1	1	23.23	23.21	23.15	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		23.48		24.00
40	PI/2 BPSK	1	53		23.35		24.00
40	PI/2 BPSK	1	104		23.10		24.00
40	PI/2 BPSK	50	0		23.36		24.00
40	PI/2 BPSK	50	28		23.45		24.00
40	PI/2 BPSK	50	56		23.27		24.00
40	PI/2 BPSK	100	0		23.34		24.00
40	QPSK	1	1		23.39		24.00
40	QPSK	1	53		23.38		24.00
40	QPSK	1	104		23.17		24.00
40	QPSK	50	0		23.41		24.00
40	QPSK	50	28		23.27		24.00
40	QPSK	50	56		22.37		24.00
40	QPSK	100	0		23.01		24.00
40	16QAM	1	1		23.48		24.00
40	64QAM	1	1		22.34		23.00
40	256QAM	1	1		20.58		21.00
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	23.26	23.36	23.38	24.00
30	PI/2 BPSK	1	39	0.00	0.00	0.00	24.00
30	PI/2 BPSK	1	76	0.00	0.00	0.00	24.00
30	PI/2 BPSK	36	0	0.00	0.00	0.00	24.00
30	PI/2 BPSK	36	18	0.00	0.00	0.00	24.00
30	PI/2 BPSK	36	39	0.00	0.00	0.00	24.00
30	PI/2 BPSK	75	0	0.00	0.00	0.00	24.00
30	QPSK	1	1	0.00	0.00	0.00	24.00
30	QPSK	1	39	0.00	0.00	0.00	24.00
30	QPSK	1	76	0.00	0.00	0.00	24.00
30	QPSK	36	0	0.00	0.00	0.00	24.00
30	QPSK	36	18	0.00	0.00	0.00	24.00
30	QPSK	36	39	0.00	0.00	0.00	24.00
30	QPSK	75	0	0.00	0.00	0.00	24.00
30	16QAM	1	1	0.00	0.00	0.00	24.00
30	64QAM	1	1	0.00	0.00	0.00	23.00
30	256QAM	1	1	0.00	0.00	0.00	21.00
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	23.35	23.46	23.30	24.00
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	23.35	23.37	23.40	24.00
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	23.27	23.40	23.34	24.00



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Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.36	23.34	23.30	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		15.45		16.40
40	PI/2 BPSK	1	53		15.15		16.40
40	PI/2 BPSK	1	104		15.24		16.40
40	PI/2 BPSK	50	0		15.24		16.40
40	PI/2 BPSK	50	28		15.32		16.40
40	PI/2 BPSK	50	56		15.27		16.40
40	PI/2 BPSK	100	0		15.40		16.40
40	QPSK	1	1		15.22		16.40
40	QPSK	1	53		15.13		16.40
40	QPSK	1	104		15.15		16.40
40	QPSK	50	0		15.25		16.40
40	QPSK	50	28		15.29		16.40
40	QPSK	50	56		15.16		16.40
40	QPSK	100	0		15.26		16.40
40	16QAM	1	1		15.35		16.40
40	64QAM	1	1		15.25		16.40
40	256QAM	1	1		15.20		16.40
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	15.30	15.41	15.36	16.40
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	15.35	15.32	15.29	16.40
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	15.31	15.37	15.39	16.40
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	15.25	15.42	15.28	16.40
15	PI/2 BPSK	1	19	0.00	0.00	0.00	16.40
15	PI/2 BPSK	1	36	0.00	0.00	0.00	16.40
15	PI/2 BPSK	18	0	0.00	0.00	0.00	16.40
15	PI/2 BPSK	18	10	0.00	0.00	0.00	16.40
15	PI/2 BPSK	18	20	0.00	0.00	0.00	16.40
15	PI/2 BPSK	36	0	0.00	0.00	0.00	16.40
15	QPSK	1	1	0.00	0.00	0.00	16.40
15	QPSK	1	19	0.00	0.00	0.00	16.40
15	QPSK	1	36	0.00	0.00	0.00	16.40
15	QPSK	18	0	0.00	0.00	0.00	16.40
15	QPSK	18	10	0.00	0.00	0.00	16.40
15	QPSK	18	20	0.00	0.00	0.00	16.40
15	QPSK	36	0	0.00	0.00	0.00	16.40
15	16QAM	1	1	0.00	0.00	0.00	16.40
15	64QAM	1	1	0.00	0.00	0.00	16.40
15	256QAM	1	1	0.00	0.00	0.00	16.40
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	15.31	15.43	15.29	16.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		16.47		18.20
40	PI/2 BPSK	1	53		16.36		18.20
40	PI/2 BPSK	1	104		16.39		18.20
40	PI/2 BPSK	50	0		16.36		18.20
40	PI/2 BPSK	50	28		16.48		18.20
40	PI/2 BPSK	50	56		16.26		18.20



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40	PI/2 BPSK	100	0		16.39		18.20
40	QPSK	1	1		16.23		18.20
40	QPSK	1	53		16.31		18.20
40	QPSK	1	104		16.25		18.20
40	QPSK	50	0		16.34		18.20
40	QPSK	50	28		16.25		18.20
40	QPSK	50	56		16.25		18.20
40	QPSK	100	0		16.35		18.20
40	16QAM	1	1		16.40		18.20
40	64QAM	1	1		16.23		18.20
40	256QAM	1	1		16.30		18.20
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	16.42	16.43	16.31	18.20
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	16.44	16.45	16.33	18.20
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	16.40	16.43	16.37	18.20
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	16.35	16.34	16.27	18.20
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	16.47	16.39	16.34	18.20
10	PI/2 BPSK	1	12	0.00	0.00	0.00	18.20
10	PI/2 BPSK	1	22	0.00	0.00	0.00	18.20
10	PI/2 BPSK	12	0	0.00	0.00	0.00	18.20
10	PI/2 BPSK	12	6	0.00	0.00	0.00	18.20
10	PI/2 BPSK	12	12	0.00	0.00	0.00	18.20
10	PI/2 BPSK	24	0	0.00	0.00	0.00	18.20
10	QPSK	1	1	0.00	0.00	0.00	18.20
10	QPSK	1	12	0.00	0.00	0.00	18.20
10	QPSK	1	22	0.00	0.00	0.00	18.20
10	QPSK	12	0	0.00	0.00	0.00	18.20
10	QPSK	12	6	0.00	0.00	0.00	18.20
10	QPSK	12	12	0.00	0.00	0.00	18.20
10	QPSK	24	0	0.00	0.00	0.00	18.20
10	16QAM	1	1	0.00	0.00	0.00	18.20
10	64QAM	1	1	0.00	0.00	0.00	18.20
10	256QAM	1	1	0.00	0.00	0.00	18.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		19.42		21.00
40	PI/2 BPSK	1	53		19.17		21.00
40	PI/2 BPSK	1	104		19.32		21.00
40	PI/2 BPSK	50	0		19.38		21.00
40	PI/2 BPSK	50	28		19.40		21.00
40	PI/2 BPSK	50	56		19.34		21.00
40	PI/2 BPSK	100	0		19.38		21.00
40	QPSK	1	1		19.14		21.00
40	QPSK	1	53		19.29		21.00
40	QPSK	1	104		19.14		21.00
40	QPSK	50	0		19.18		21.00
40	QPSK	50	28		19.28		21.00
40	QPSK	50	56		19.15		21.00
40	QPSK	100	0		19.34		21.00
40	16QAM	1	1		19.09		21.00
40	64QAM	1	1		19.28		21.00
40	256QAM	1	1		19.10		20.70
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	19.20	19.30	19.19	21.00
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	19.29	19.37	19.26	21.00
25	PI/2 BPSK	1	32	0.00	0.00	0.00	21.00
25	PI/2 BPSK	1	63	0.00	0.00	0.00	21.00
25	PI/2 BPSK	32	0	0.00	0.00	0.00	21.00



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25	PI/2 BPSK	32	16	0.00	0.00	0.00	21.00
25	PI/2 BPSK	32	32	0.00	0.00	0.00	21.00
25	PI/2 BPSK	64	0	0.00	0.00	0.00	21.00
25	QPSK	1	1	0.00	0.00	0.00	21.00
25	QPSK	1	32	0.00	0.00	0.00	21.00
25	QPSK	1	63	0.00	0.00	0.00	21.00
25	QPSK	32	0	0.00	0.00	0.00	21.00
25	QPSK	32	16	0.00	0.00	0.00	21.00
25	QPSK	32	32	0.00	0.00	0.00	21.00
25	QPSK	64	0	0.00	0.00	0.00	21.00
25	16QAM	1	1	0.00	0.00	0.00	21.00
25	64QAM	1	1	0.00	0.00	0.00	21.00
25	256QAM	1	1	0.00	0.00	0.00	20.70
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.30	19.29	19.23	21.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.21	19.39	19.18	21.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.25	19.34	19.20	21.00

【FR1 n38_Ant 3_DSI 12】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		11.85		13.50
40	PI/2 BPSK	1	53		11.79		13.50
40	PI/2 BPSK	1	104		11.79		13.50
40	PI/2 BPSK	50	0		11.82		13.50
40	PI/2 BPSK	50	28		11.83		13.50
40	PI/2 BPSK	50	56		11.72		13.50
40	PI/2 BPSK	100	0		11.80		13.50
40	QPSK	1	1		11.81		13.50
40	QPSK	1	53		11.75		13.50
40	QPSK	1	104		11.72		13.50
40	QPSK	50	0		11.83		13.50
40	QPSK	50	28		11.79		13.50
40	QPSK	50	56		11.76		13.50
40	QPSK	100	0		11.78		13.50
40	16QAM	1	1		11.76		13.50
40	64QAM	1	1		11.75		13.50
40	256QAM	1	1		11.73		13.50
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	11.73	11.79	11.60	13.50
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	11.60	11.79	11.66	13.50
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	11.72	11.83	11.63	13.50
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	11.64	11.71	11.60	13.50
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	11.70	11.84	11.65	13.50

【FR1 n38_Ant 3_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		15.45		16.40
40	PI/2 BPSK	1	53		15.15		16.40
40	PI/2 BPSK	1	104		15.24		16.40



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40	PI/2 BPSK	50	0		15.24		16.40
40	PI/2 BPSK	50	28		15.32		16.40
40	PI/2 BPSK	50	56		15.27		16.40
40	PI/2 BPSK	100	0		15.40		16.40
40	QPSK	1	1		15.22		16.40
40	QPSK	1	53		15.13		16.40
40	QPSK	1	104		15.15		16.40
40	QPSK	50	0		15.25		16.40
40	QPSK	50	28		15.29		16.40
40	QPSK	50	56		15.16		16.40
40	QPSK	100	0		15.26		16.40
40	16QAM	1	1		15.35		16.40
40	64QAM	1	1		15.25		16.40
40	256QAM	1	1		15.20		16.40
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	15.30	15.41	15.36	16.40
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	15.35	15.32	15.29	16.40
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	15.31	15.37	15.39	16.40
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	15.25	15.42	15.28	16.40
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	15.31	15.43	15.29	16.40

【FR1 n38_Ant 3_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		22.51		23.50
40	PI/2 BPSK	1	53		22.48		23.50
40	PI/2 BPSK	1	104		22.42		23.50
40	PI/2 BPSK	50	0		22.44		23.50
40	PI/2 BPSK	50	28		22.49		23.50
40	PI/2 BPSK	50	56		22.41		23.50
40	PI/2 BPSK	100	0		22.45		23.50
40	QPSK	1	1		22.40		23.50
40	QPSK	1	53		22.37		23.50
40	QPSK	1	104		22.47		23.50
40	QPSK	50	0		22.31		23.50
40	QPSK	50	28		22.44		23.50
40	QPSK	50	56		22.49		23.50
40	QPSK	100	0		22.32		23.50
40	16QAM	1	1		22.46		23.50
40	64QAM	1	1		22.47		23.00
40	256QAM	1	1		20.92		21.00
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	22.37	22.46	22.34	23.50
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	22.37	22.47	22.41	23.50
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	22.44	22.48	22.44	23.50
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	22.37	22.42	22.40	23.50
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	22.37	22.46	22.40	23.50

**【FR1 n38_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					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		22.13		23.00
40	PI/2 BPSK	1	53		22.02		23.00
40	PI/2 BPSK	1	104		21.80		23.00
40	PI/2 BPSK	50	0		21.82		22.50
40	PI/2 BPSK	50	28		22.11		23.00
40	PI/2 BPSK	50	56		21.39		22.50
40	PI/2 BPSK	100	0		22.00		22.50
40	QPSK	1	1		21.91		23.00
40	QPSK	1	53		21.71		23.00
40	QPSK	1	104		21.69		23.00
40	QPSK	50	0		20.55		22.00
40	QPSK	50	28		21.64		23.00
40	QPSK	50	56		20.51		22.00
40	QPSK	100	0		20.42		22.00
40	16QAM	1	1		21.83		22.00
40	64QAM	1	1		20.36		20.50
40	256QAM	1	1		18.87		19.50
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.05	22.11	22.00	23.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.95	21.98	22.01	23.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.96	22.06	22.01	23.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.04	22.03	22.04	23.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.97	21.99	22.09	23.00

【FR1 n38_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		22.13		23.00
40	PI/2 BPSK	1	53		22.02		23.00
40	PI/2 BPSK	1	104		21.80		23.00
40	PI/2 BPSK	50	0		21.82		23.00
40	PI/2 BPSK	50	28		22.11		23.00
40	PI/2 BPSK	50	56		21.39		23.00
40	PI/2 BPSK	100	0		22.00		23.00
40	QPSK	1	1		21.91		23.00
40	QPSK	1	53		21.71		23.00
40	QPSK	1	104		21.69		23.00
40	QPSK	50	0		20.55		22.00
40	QPSK	50	28		21.64		23.00
40	QPSK	50	56		20.51		22.00
40	QPSK	100	0		20.42		22.00
40	16QAM	1	1		21.83		23.00
40	64QAM	1	1		20.36		22.00
40	256QAM	1	1		18.87		20.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.05	22.11	22.00	23.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.95	21.98	22.01	23.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.96	22.06	22.01	23.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	



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15	PI/2 BPSK	1	1	22.04	22.03	22.04	23.00
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	21.97	21.99	22.09	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		20.00		21.60
40	PI/2 BPSK	1	53		19.90		21.60
40	PI/2 BPSK	1	104		19.78		21.60
40	PI/2 BPSK	50	0		19.76		21.60
40	PI/2 BPSK	50	28		20.01		21.60
40	PI/2 BPSK	50	56		19.81		21.60
40	PI/2 BPSK	100	0		19.98		21.60
40	QPSK	1	1		19.93		21.60
40	QPSK	1	53		19.92		21.60
40	QPSK	1	104		19.99		21.60
40	QPSK	50	0		19.81		21.60
40	QPSK	50	28		19.76		21.60
40	QPSK	50	56		19.79		21.60
40	QPSK	100	0		19.94		21.60
40	16QAM	1	1		19.86		21.60
40	64QAM	1	1		19.89		21.60
40	256QAM	1	1		19.76		20.00
Channel				517000	519000	521000	Tune-up limit
Frequency (MHz)				2585	2595	2605	(dBm)
30	PI/2 BPSK	1	1	19.88	19.88	19.83	21.60
Channel				516500	519000	521500	Tune-up limit
Frequency (MHz)				2582.5	2595	2607.5	(dBm)
25	PI/2 BPSK	1	1	19.90	19.91	19.87	21.60
Channel				516000	519000	522000	Tune-up limit
Frequency (MHz)				2580	2595	2610	(dBm)
20	PI/2 BPSK	1	1	19.77	19.87	19.84	21.60
Channel				515500	519000	522500	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	PI/2 BPSK	1	1	19.89	19.94	19.84	21.60
Channel				515000	519000	523000	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	PI/2 BPSK	1	1	19.88	19.97	19.90	21.60
10	PI/2 BPSK	1	12	0.00	0.00	0.00	21.60
10	PI/2 BPSK	1	22	0.00	0.00	0.00	21.60
10	PI/2 BPSK	12	0	0.00	0.00	0.00	21.60
10	PI/2 BPSK	12	6	0.00	0.00	0.00	21.60
10	PI/2 BPSK	12	12	0.00	0.00	0.00	21.60
10	PI/2 BPSK	24	0	0.00	0.00	0.00	21.60
10	QPSK	1	1	0.00	0.00	0.00	21.60
10	QPSK	1	12	0.00	0.00	0.00	21.60
10	QPSK	1	22	0.00	0.00	0.00	21.60
10	QPSK	12	0	0.00	0.00	0.00	21.60
10	QPSK	12	6	0.00	0.00	0.00	21.60
10	QPSK	12	12	0.00	0.00	0.00	21.60
10	QPSK	24	0	0.00	0.00	0.00	21.60
10	16QAM	1	1	0.00	0.00	0.00	21.60
10	64QAM	1	1	0.00	0.00	0.00	21.60
10	256QAM	1	1	0.00	0.00	0.00	20.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		21.21		21.70
40	PI/2 BPSK	1	53		21.12		21.70
40	PI/2 BPSK	1	104		20.90		21.70
40	PI/2 BPSK	50	0		20.92		21.70
40	PI/2 BPSK	50	28		21.16		21.70



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40	PI/2 BPSK	50	56		20.51		21.70
40	PI/2 BPSK	100	0		21.10		21.70
40	QPSK	1	1		20.96		21.70
40	QPSK	1	53		20.80		21.70
40	QPSK	1	104		20.83		21.70
40	QPSK	50	0		19.70		20.70
40	QPSK	50	28		20.76		21.70
40	QPSK	50	56		19.61		20.70
40	QPSK	100	0		19.51		20.70
40	16QAM	1	1		20.94		21.70
40	64QAM	1	1		19.45		20.70
40	256QAM	1	1		18.01		18.70
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.01	21.08	21.13	21.70
30	PI/2 BPSK	1	39	0.00	0.00	0.00	21.70
30	PI/2 BPSK	1	76	0.00	0.00	0.00	21.70
30	PI/2 BPSK	36	0	0.00	0.00	0.00	21.70
30	PI/2 BPSK	36	18	0.00	0.00	0.00	21.70
30	PI/2 BPSK	36	39	0.00	0.00	0.00	21.70
30	PI/2 BPSK	75	0	0.00	0.00	0.00	21.70
30	QPSK	1	1	0.00	0.00	0.00	21.70
30	QPSK	1	39	0.00	0.00	0.00	21.70
30	QPSK	1	76	0.00	0.00	0.00	21.70
30	QPSK	36	0	0.00	0.00	0.00	20.70
30	QPSK	36	18	0.00	0.00	0.00	21.70
30	QPSK	36	39	0.00	0.00	0.00	20.70
30	QPSK	75	0	0.00	0.00	0.00	20.70
30	16QAM	1	1	0.00	0.00	0.00	21.70
30	64QAM	1	1	0.00	0.00	0.00	20.70
30	256QAM	1	1	0.00	0.00	0.00	18.70
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.02	21.09	21.13	21.70
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.08	21.17	21.09	21.70
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.00	21.17	21.16	21.70
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.09	21.19	21.17	21.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		14.15		16.00
40	PI/2 BPSK	1	53		14.09		16.00
40	PI/2 BPSK	1	104		14.05		16.00
40	PI/2 BPSK	50	0		14.11		16.00
40	PI/2 BPSK	50	28		14.13		16.00
40	PI/2 BPSK	50	56		14.05		16.00
40	PI/2 BPSK	100	0		14.07		16.00
40	QPSK	1	1		14.12		16.00
40	QPSK	1	53		14.06		16.00
40	QPSK	1	104		14.03		16.00
40	QPSK	50	0		14.11		16.00
40	QPSK	50	28		14.01		16.00
40	QPSK	50	56		14.14		16.00
40	QPSK	100	0		14.04		16.00
40	16QAM	1	1		14.03		16.00
40	64QAM	1	1		14.05		16.00
40	256QAM	1	1		14.09		16.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	14.02	14.03	14.00	16.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	14.00	14.03	14.01	16.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	



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20	PI/2 BPSK	1	1	14.04	14.02	14.01	16.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	14.01	14.09	14.00	16.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	14.01	14.10	14.00	16.00

【FR1 n38_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		19.48		21.20
40	PI/2 BPSK	1	53		19.41		21.20
40	PI/2 BPSK	1	104		19.24		21.20
40	PI/2 BPSK	50	0		19.21		21.20
40	PI/2 BPSK	50	28		19.53		21.20
40	PI/2 BPSK	50	56		19.34		21.20
40	PI/2 BPSK	100	0		19.44		21.20
40	QPSK	1	1		19.34		21.20
40	QPSK	1	53		19.39		21.20
40	QPSK	1	104		19.53		21.20
40	QPSK	50	0		19.26		21.20
40	QPSK	50	28		19.27		21.20
40	QPSK	50	56		19.31		21.20
40	QPSK	100	0		19.39		21.20
40	16QAM	1	1		19.28		21.20
40	64QAM	1	1		19.34		21.20
40	256QAM	1	1		19.32		19.60
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.35	19.46	19.40	21.20
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.26	19.37	19.39	21.20
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.28	19.44	19.40	21.20
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.33	19.33	19.30	21.20
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.29	19.42	19.38	21.20
10	PI/2 BPSK	1	12	0.00	0.00	0.00	21.20
10	PI/2 BPSK	1	22	0.00	0.00	0.00	21.20
10	PI/2 BPSK	12	0	0.00	0.00	0.00	21.20
10	PI/2 BPSK	12	6	0.00	0.00	0.00	21.20
10	PI/2 BPSK	12	12	0.00	0.00	0.00	21.20
10	PI/2 BPSK	24	0	0.00	0.00	0.00	21.20
10	QPSK	1	1	0.00	0.00	0.00	21.20
10	QPSK	1	12	0.00	0.00	0.00	21.20
10	QPSK	1	22	0.00	0.00	0.00	21.20
10	QPSK	12	0	0.00	0.00	0.00	21.20
10	QPSK	12	6	0.00	0.00	0.00	21.20
10	QPSK	12	12	0.00	0.00	0.00	21.20
10	QPSK	24	0	0.00	0.00	0.00	21.20
10	16QAM	1	1	0.00	0.00	0.00	21.20
10	64QAM	1	1	0.00	0.00	0.00	21.20
10	256QAM	1	1	0.00	0.00	0.00	19.60

**【FR1 n38_Ant 4_DSI 4】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					519000		
Frequency (MHz)					2595		
40	PI/2 BPSK	1	1		22.13		23.00
40	PI/2 BPSK	1	53		22.02		23.00
40	PI/2 BPSK	1	104		21.80		23.00
40	PI/2 BPSK	50	0		21.82		23.00
40	PI/2 BPSK	50	28		22.11		23.00
40	PI/2 BPSK	50	56		21.39		23.00
40	PI/2 BPSK	100	0		22.00		23.00
40	QPSK	1	1		21.91		23.00
40	QPSK	1	53		21.71		23.00
40	QPSK	1	104		21.69		23.00
40	QPSK	50	0		20.55		22.00
40	QPSK	50	28		21.64		23.00
40	QPSK	50	56		20.51		22.00
40	QPSK	100	0		20.42		22.00
40	16QAM	1	1		21.83		23.00
40	64QAM	1	1		20.36		22.00
40	256QAM	1	1		18.87		20.00
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.05	22.11	22.00	23.00
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.95	21.98	22.01	23.00
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.96	22.06	22.01	23.00
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.04	22.03	22.04	23.00
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.97	21.99	22.09	23.00

【FR1 n41_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		23.75		24.00
100	PI/2 BPSK	1	137		23.49		24.00
100	PI/2 BPSK	1	271		23.53		24.00
100	PI/2 BPSK	135	0		23.54		24.00
100	PI/2 BPSK	135	69		23.59		24.00
100	PI/2 BPSK	135	138		23.43		24.00
100	PI/2 BPSK	270	0		23.48		24.00
100	QPSK	1	1		23.73		24.00
100	QPSK	1	137		23.58		24.00
100	QPSK	1	271		23.60		24.00
100	QPSK	135	0		23.59		24.00
100	QPSK	135	69		23.44		24.00
100	QPSK	135	138		23.46		24.00
100	QPSK	270	0		23.50		24.00
100	16QAM	1	1		23.74		24.00
100	64QAM	1	1		23.72		24.00
100	256QAM	1	1		22.68		23.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.49	23.60	23.56	24.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.50	23.59	23.48	24.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.49	23.51	23.54	24.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	



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60	PI/2 BPSK	1	1	23.59	23.49	23.56	24.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.52	23.56	23.53	24.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.51	23.51	23.48	24.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.56	23.59	23.54	24.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.53	23.59	23.54	24.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.55	23.61	23.50	24.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.61	23.57	23.48	24.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.49	23.59	23.47	24.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.56	23.57	23.43	24.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.59	23.52	23.43	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		15.60		16.40
100	PI/2 BPSK	1	137		15.48		16.40
100	PI/2 BPSK	1	271		15.32		16.40
100	PI/2 BPSK	135	0		15.47		16.40
100	PI/2 BPSK	135	69		15.58		16.40
100	PI/2 BPSK	135	138		15.30		16.40
100	PI/2 BPSK	270	0		15.53		16.40
100	QPSK	1	1		15.41		16.40
100	QPSK	1	137		15.37		16.40
100	QPSK	1	271		15.33		16.40
100	QPSK	135	0		15.29		16.40
100	QPSK	135	69		15.48		16.40
100	QPSK	135	138		15.57		16.40
100	QPSK	270	0		15.54		16.40
100	16QAM	1	1		15.29		16.40
100	64QAM	1	1		15.57		16.40
100	256QAM	1	1		15.38		16.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.55	15.57	15.41	16.40
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.51	15.59	15.45	16.40
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.52	15.50	15.46	16.40
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.47	15.47	15.44	16.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.54	15.48	15.47	16.40
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	15.55	15.47	15.38	16.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.56	15.54	15.47	16.40
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	



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35	PI/2 BPSK	1	1	15.51	15.47	15.46	16.40
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	16.40
30	PI/2 BPSK	1	1	15.45	15.45	15.38	16.40
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	16.40
25	PI/2 BPSK	1	1	15.47	15.58	15.39	16.40
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	16.40
20	PI/2 BPSK	1	1	15.48	15.54	15.49	16.40
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	16.40
15	PI/2 BPSK	1	1	15.55	15.55	15.51	16.40
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	16.40
10	PI/2 BPSK	1	1	15.52	15.55	15.49	16.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		16.62		18.20
100	PI/2 BPSK	1	137		16.50		18.20
100	PI/2 BPSK	1	271		16.53		18.20
100	PI/2 BPSK	135	0		16.51		18.20
100	PI/2 BPSK	135	69		16.59		18.20
100	PI/2 BPSK	135	138		16.37		18.20
100	PI/2 BPSK	270	0		16.55		18.20
100	QPSK	1	1		16.34		18.20
100	QPSK	1	137		16.52		18.20
100	QPSK	1	271		16.38		18.20
100	QPSK	135	0		16.42		18.20
100	QPSK	135	69		16.31		18.20
100	QPSK	135	138		16.32		18.20
100	QPSK	270	0		16.54		18.20
100	16QAM	1	1		16.52		18.20
100	64QAM	1	1		16.34		18.20
100	256QAM	1	1		16.38		18.20
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	18.20
90	PI/2 BPSK	1	1	16.52	16.54	16.54	18.20
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	18.20
80	PI/2 BPSK	1	1	16.50	16.58	16.55	18.20
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	18.20
70	PI/2 BPSK	1	1	16.49	16.60	16.55	18.20
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	18.20
60	PI/2 BPSK	1	1	16.50	16.54	16.53	18.20
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	18.20
50	PI/2 BPSK	1	1	16.57	16.61	16.52	18.20
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	18.20
45	PI/2 BPSK	1	1	16.55	16.55	16.55	18.20
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	18.20
40	PI/2 BPSK	1	1	16.54	16.54	16.54	18.20
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	18.20
35	PI/2 BPSK	1	1	16.55	16.55	16.45	18.20
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	18.20
30	PI/2 BPSK	1	1	16.52	16.52	16.52	18.20
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	18.20
25	PI/2 BPSK	1	1	16.53	16.53	16.53	18.20
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	18.20
20	PI/2 BPSK	1	1	16.54	16.58	16.51	18.20
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	18.20



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15	PI/2 BPSK	1	1	16.49	16.49	16.50	18.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	16.48	16.52	16.51	18.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		19.57		21.00
100	PI/2 BPSK	1	137		19.41		21.00
100	PI/2 BPSK	1	271		19.47		21.00
100	PI/2 BPSK	135	0		19.55		21.00
100	PI/2 BPSK	135	69		19.56		21.00
100	PI/2 BPSK	135	138		19.51		21.00
100	PI/2 BPSK	270	0		19.53		21.00
100	QPSK	1	1		19.32		21.00
100	QPSK	1	137		19.51		21.00
100	QPSK	1	271		19.38		21.00
100	QPSK	135	0		19.34		21.00
100	QPSK	135	69		19.50		21.00
100	QPSK	135	138		19.37		21.00
100	QPSK	270	0		19.55		21.00
100	16QAM	1	1		19.29		21.00
100	64QAM	1	1		19.48		21.00
100	256QAM	1	1		19.32		21.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.38	19.51	19.47	21.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.38	19.55	19.41	21.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.43	19.52	19.43	21.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.50	19.46	19.51	21.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.41	19.46	19.44	21.00
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	19.44	19.53	19.46	21.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.38	19.48	19.44	21.00
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	19.46	19.47	19.48	21.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.49	19.51	19.46	21.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.37	19.52	19.41	21.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.40	19.46	19.47	21.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.47	19.44	19.50	21.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.44	19.50	19.42	21.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		12.11		13.50
100	PI/2 BPSK	1	137		12.02		13.50
100	PI/2 BPSK	1	271		11.99		13.50
100	PI/2 BPSK	135	0		12.07		13.50
100	PI/2 BPSK	135	69		12.10		13.50
100	PI/2 BPSK	135	138		12.01		13.50
100	PI/2 BPSK	270	0		12.06		13.50
100	QPSK	1	1		12.00		13.50
100	QPSK	1	137		12.00		13.50
100	QPSK	1	271		11.97		13.50
100	QPSK	135	0		12.02		13.50
100	QPSK	135	69		12.04		13.50
100	QPSK	135	138		12.06		13.50
100	QPSK	270	0		12.02		13.50
100	16QAM	1	1		12.08		13.50
100	64QAM	1	1		12.06		13.50
100	256QAM	1	1		11.99		13.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	12.04	11.99	12.03	13.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	11.96	12.03	11.95	13.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	11.95	12.09	12.01	13.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	12.02	12.08	12.03	13.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	12.02	12.05	12.04	13.50
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	12.01	12.08	12.00	13.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	12.00	11.97	11.94	13.50
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	11.99	12.03	12.02	13.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	12.00	12.05	11.99	13.50
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	12.05	11.96	12.03	13.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	12.03	12.06	12.05	13.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	11.95	11.97	11.98	13.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	11.98	11.99	12.06	13.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		15.60		16.40
100	PI/2 BPSK	1	137		15.48		16.40
100	PI/2 BPSK	1	271		15.32		16.40
100	PI/2 BPSK	135	0		15.47		16.40



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100	PI/2 BPSK	135	69		15.58		16.40
100	PI/2 BPSK	135	138		15.30		16.40
100	PI/2 BPSK	270	0		15.53		16.40
100	QPSK	1	1		15.41		16.40
100	QPSK	1	137		15.37		16.40
100	QPSK	1	271		15.33		16.40
100	QPSK	135	0		15.29		16.40
100	QPSK	135	69		15.48		16.40
100	QPSK	135	138		15.57		16.40
100	QPSK	270	0		15.54		16.40
100	16QAM	1	1		15.29		16.40
100	64QAM	1	1		15.57		16.40
100	256QAM	1	1		15.38		16.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	15.55	15.57	15.41	16.40
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	15.51	15.59	15.45	16.40
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	15.52	15.50	15.46	16.40
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	15.47	15.47	15.44	16.40
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	15.54	15.48	15.47	16.40
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	15.55	15.47	15.38	16.40
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	15.56	15.54	15.47	16.40
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	15.51	15.47	15.46	16.40
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	15.45	15.45	15.38	16.40
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	15.47	15.58	15.39	16.40
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	15.48	15.54	15.49	16.40
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	15.55	15.55	15.51	16.40
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	15.52	15.55	15.49	16.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.56		23.50
100	PI/2 BPSK	1	137		22.48		23.50
100	PI/2 BPSK	1	271		22.40		23.50
100	PI/2 BPSK	135	0		22.39		23.50
100	PI/2 BPSK	135	69		22.52		23.50
100	PI/2 BPSK	135	138		22.45		23.50
100	PI/2 BPSK	270	0		22.46		23.50
100	QPSK	1	1		22.44		23.50
100	QPSK	1	137		22.51		23.50
100	QPSK	1	271		22.41		23.50
100	QPSK	135	0		22.49		23.50
100	QPSK	135	69		22.40		23.50
100	QPSK	135	138		22.36		23.50
100	QPSK	270	0		22.29		23.50
100	16QAM	1	1		22.42		23.50
100	64QAM	1	1		22.35		23.50



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100	256QAM	1	1		22.33		23.00
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	22.43	22.45	22.39	23.50
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	22.46	22.48	22.40	23.50
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	22.50	22.42	22.48	23.50
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	22.37	22.46	22.36	23.50
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	22.44	22.50	22.43	23.50
	Channel			503700	518598	533496	Tune-up limit
	Frequency (MHz)			2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	22.48	22.46	22.43	23.50
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	22.36	22.50	22.48	23.50
	Channel			502704	518598	534498	Tune-up limit
	Frequency (MHz)			2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	22.40	22.43	22.39	23.50
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	22.43	22.43	22.45	23.50
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	22.42	22.50	22.40	23.50
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	22.43	22.52	22.40	23.50
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	22.45	22.43	22.48	23.50
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	22.36	22.44	22.45	23.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
	Channel				518598		
	Frequency (MHz)				2592.99		
100	PI/2 BPSK	1	1		26.52		27.00
100	PI/2 BPSK	1	137		26.37		27.00
100	PI/2 BPSK	1	271		26.42		27.00
100	PI/2 BPSK	135	0		26.39		27.00
100	PI/2 BPSK	135	69		26.48		27.00
100	PI/2 BPSK	135	138		26.38		27.00
100	PI/2 BPSK	270	0		26.45		27.00
100	QPSK	1	1		26.49		27.00
100	QPSK	1	137		26.40		27.00
100	QPSK	1	271		26.51		27.00
100	QPSK	135	0		26.49		27.00
100	QPSK	135	69		26.47		27.00
100	QPSK	135	138		26.34		27.00
100	QPSK	270	0		26.46		27.00
100	16QAM	1	1		26.39		27.00
100	64QAM	1	1		25.45		26.00
100	256QAM	1	1		23.46		24.00
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	26.42	26.39	26.34	27.00
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	26.43	26.38	26.43	27.00
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	26.50	26.50	26.40	27.00
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)



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60	PI/2 BPSK	1	1	26.44	26.41	26.36	27.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.46	26.40	26.43	27.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	26.43	26.40	26.38	27.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.46	26.39	26.38	27.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	26.51	26.47	26.37	27.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.42	26.42	26.40	27.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	26.48	26.46	26.42	27.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.41	26.42	26.36	27.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.52	26.50	26.34	27.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.42	26.40	26.37	27.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		18.47		19.40
100	PI/2 BPSK	1	137		18.37		19.40
100	PI/2 BPSK	1	271		18.45		19.40
100	PI/2 BPSK	135	0		18.42		19.40
100	PI/2 BPSK	135	69		18.45		19.40
100	PI/2 BPSK	135	138		18.28		19.40
100	PI/2 BPSK	270	0		18.41		19.40
100	QPSK	1	1		18.35		19.40
100	QPSK	1	137		18.32		19.40
100	QPSK	1	271		18.38		19.40
100	QPSK	135	0		18.39		19.40
100	QPSK	135	69		18.17		19.40
100	QPSK	135	138		18.31		19.40
100	QPSK	270	0		18.41		19.40
100	16QAM	1	1		18.38		19.40
100	64QAM	1	1		18.30		19.40
100	256QAM	1	1		18.33		19.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.37	18.40	18.36	19.40
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.31	18.44	18.34	19.40
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.34	18.34	18.27	19.40
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.34	18.34	18.29	19.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.40	18.38	18.38	19.40
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	18.36	18.40	18.38	19.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.33	18.45	18.39	19.40
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	



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35	PI/2 BPSK	1	1	18.41	18.34	18.33	19.40
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.42	18.38	18.31	19.40
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	18.41	18.37	18.34	19.40
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.39	18.34	19.40
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.38	18.34	18.33	19.40
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.36	18.34	18.35	19.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		19.46		21.20
100	PI/2 BPSK	1	137		19.45		21.20
100	PI/2 BPSK	1	271		19.20		21.20
100	PI/2 BPSK	135	0		19.43		21.20
100	PI/2 BPSK	135	69		19.44		21.20
100	PI/2 BPSK	135	138		19.33		21.20
100	PI/2 BPSK	270	0		19.41		21.20
100	QPSK	1	1		19.28		21.20
100	QPSK	1	137		19.37		21.20
100	QPSK	1	271		19.40		21.20
100	QPSK	135	0		19.37		21.20
100	QPSK	135	69		19.43		21.20
100	QPSK	135	138		19.45		21.20
100	QPSK	270	0		19.41		21.20
100	16QAM	1	1		19.27		21.20
100	64QAM	1	1		19.39		21.20
100	256QAM	1	1		19.25		21.20
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.32	19.34	19.38	21.20
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.29	19.38	19.38	21.20
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.30	19.40	19.33	21.20
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.39	19.33	19.27	21.20
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.40	19.38	19.34	21.20
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	19.40	19.40	19.25	21.20
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.34	19.35	19.30	21.20
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	19.27	19.31	19.36	21.20
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.38	19.33	19.25	21.20
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.31	19.36	19.35	21.20
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.36	19.35	19.36	21.20
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)



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15	PI/2 BPSK	1	1	19.38	19.40	19.36	21.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.41	19.41	19.33	21.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.49		24.00
100	PI/2 BPSK	1	137		22.43		24.00
100	PI/2 BPSK	1	271		22.25		24.00
100	PI/2 BPSK	135	0		22.31		24.00
100	PI/2 BPSK	135	69		22.44		24.00
100	PI/2 BPSK	135	138		22.20		24.00
100	PI/2 BPSK	270	0		22.42		24.00
100	QPSK	1	1		22.19		24.00
100	QPSK	1	137		22.35		24.00
100	QPSK	1	271		22.44		24.00
100	QPSK	135	0		22.34		24.00
100	QPSK	135	69		22.42		24.00
100	QPSK	135	138		22.29		24.00
100	QPSK	270	0		22.33		24.00
100	16QAM	1	1		22.33		24.00
100	64QAM	1	1		22.20		24.00
100	256QAM	1	1		22.46		23.70
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	22.34	22.43	22.32	24.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	22.32	22.43	22.40	24.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	22.37	22.44	22.34	24.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	22.32	22.43	22.33	24.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	22.33	22.41	22.39	24.00
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	22.41	22.39	22.36	24.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	22.36	22.35	22.35	24.00
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	22.31	22.46	22.29	24.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	22.42	22.42	22.27	24.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	22.43	22.39	22.40	24.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	22.33	22.35	22.32	24.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	22.36	22.47	22.33	24.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	22.36	22.47	22.36	24.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		15.15		16.50
100	PI/2 BPSK	1	137		15.03		16.50
100	PI/2 BPSK	1	271		15.04		16.50
100	PI/2 BPSK	135	0		15.06		16.50
100	PI/2 BPSK	135	69		15.14		16.50
100	PI/2 BPSK	135	138		15.11		16.50
100	PI/2 BPSK	270	0		15.04		16.50
100	QPSK	1	1		15.00		16.50
100	QPSK	1	137		15.02		16.50
100	QPSK	1	271		15.11		16.50
100	QPSK	135	0		15.07		16.50
100	QPSK	135	69		15.09		16.50
100	QPSK	135	138		15.03		16.50
100	QPSK	270	0		15.05		16.50
100	16QAM	1	1		15.04		16.50
100	64QAM	1	1		15.05		16.50
100	256QAM	1	1		15.08		16.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.04	15.12	15.11	16.50
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.08	15.06	15.00	16.50
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.99	15.03	15.08	16.50
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.03	15.09	14.98	16.50
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.08	15.02	15.11	16.50
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	15.04	15.08	15.09	16.50
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.98	15.10	15.02	16.50
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	15.09	15.04	15.01	16.50
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.04	15.00	15.02	16.50
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	15.08	15.09	14.97	16.50
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.07	15.10	15.06	16.50
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.08	15.08	15.10	16.50
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.10	15.03	15.05	16.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		18.47		19.40
100	PI/2 BPSK	1	137		18.37		19.40
100	PI/2 BPSK	1	271		18.45		19.40
100	PI/2 BPSK	135	0		18.42		19.40



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100	PI/2 BPSK	135	69		18.45		19.40
100	PI/2 BPSK	135	138		18.28		19.40
100	PI/2 BPSK	270	0		18.41		19.40
100	QPSK	1	1		18.35		19.40
100	QPSK	1	137		18.32		19.40
100	QPSK	1	271		18.38		19.40
100	QPSK	135	0		18.39		19.40
100	QPSK	135	69		18.17		19.40
100	QPSK	135	138		18.31		19.40
100	QPSK	270	0		18.41		19.40
100	16QAM	1	1		18.38		19.40
100	64QAM	1	1		18.30		19.40
100	256QAM	1	1		18.33		19.40
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	18.37	18.40	18.36	19.40
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	18.31	18.44	18.34	19.40
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	18.34	18.34	18.27	19.40
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	18.34	18.34	18.29	19.40
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	18.40	18.38	18.38	19.40
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	18.36	18.40	18.38	19.40
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	18.33	18.45	18.39	19.40
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	18.41	18.34	18.33	19.40
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	18.42	18.38	18.31	19.40
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	18.41	18.37	18.34	19.40
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	18.36	18.39	18.34	19.40
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	18.38	18.34	18.33	19.40
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	18.36	18.34	18.35	19.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		25.48		26.50
100	PI/2 BPSK	1	137		25.18		26.50
100	PI/2 BPSK	1	271		25.19		26.50
100	PI/2 BPSK	135	0		25.26		26.50
100	PI/2 BPSK	135	69		25.46		26.50
100	PI/2 BPSK	135	138		25.22		26.50
100	PI/2 BPSK	270	0		25.34		26.50
100	QPSK	1	1		25.29		26.50
100	QPSK	1	137		25.28		26.50
100	QPSK	1	271		25.26		26.50
100	QPSK	135	0		25.23		26.50
100	QPSK	135	69		25.22		26.50
100	QPSK	135	138		25.28		26.50
100	QPSK	270	0		25.38		26.50
100	16QAM	1	1		25.17		26.50
100	64QAM	1	1		25.29		26.00



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100	256QAM	1	1		23.46		24.00
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.40	25.43	25.33	26.50
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.40	25.44	25.41	26.50
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.42	25.39	25.33	26.50
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.39	25.33	25.42	26.50
	Channel			504204	518598	532998	Tune-up limit
	Frequency (MHz)			2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.39	25.40	25.40	26.50
	Channel			503700	518598	533496	Tune-up limit
	Frequency (MHz)			2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	25.37	25.34	25.40	26.50
	Channel			503202	518598	534000	Tune-up limit
	Frequency (MHz)			2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.33	25.33	25.30	26.50
	Channel			502704	518598	534498	Tune-up limit
	Frequency (MHz)			2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	25.45	25.41	25.30	26.50
	Channel			502200	518598	534996	Tune-up limit
	Frequency (MHz)			2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.35	25.38	25.40	26.50
	Channel			501702	518598	535500	Tune-up limit
	Frequency (MHz)			2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	25.37	25.45	25.41	26.50
	Channel			501204	518598	535998	Tune-up limit
	Frequency (MHz)			2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.35	25.44	25.41	26.50
	Channel			500700	518598	536496	Tune-up limit
	Frequency (MHz)			2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.33	25.36	25.30	26.50
	Channel			500202	518598	537000	Tune-up limit
	Frequency (MHz)			2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.36	25.38	25.41	26.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
	Channel				518598		
	Frequency (MHz)				2592.99		
100	PI/2 BPSK	1	1		22.18		23.00
100	PI/2 BPSK	1	137		22.05		23.00
100	PI/2 BPSK	1	271		22.15		23.00
100	PI/2 BPSK	135	0		22.08		23.00
100	PI/2 BPSK	135	69		22.15		23.00
100	PI/2 BPSK	135	138		22.02		23.00
100	PI/2 BPSK	270	0		22.01		23.00
100	QPSK	1	1		22.03		23.00
100	QPSK	1	137		22.00		23.00
100	QPSK	1	271		22.11		23.00
100	QPSK	135	0		22.05		23.00
100	QPSK	135	69		22.03		23.00
100	QPSK	135	138		22.01		23.00
100	QPSK	270	0		22.08		23.00
100	16QAM	1	1		22.12		23.00
100	64QAM	1	1		22.01		23.00
100	256QAM	1	1		21.12		22.00
	Channel			508200	518598	528996	Tune-up limit
	Frequency (MHz)			2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	22.13	22.17	22.14	23.00
	Channel			507204	518598	529998	Tune-up limit
	Frequency (MHz)			2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	22.11	22.16	22.06	23.00
	Channel			506202	518598	531000	Tune-up limit
	Frequency (MHz)			2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	22.01	22.14	22.08	23.00
	Channel			505200	518598	531996	Tune-up limit
	Frequency (MHz)			2526	2592.99	2659.98	(dBm)



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60	PI/2 BPSK	1	1	22.06	22.11	22.06	23.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.08	22.15	22.13	23.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.13	22.05	22.14	23.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.08	22.08	22.02	23.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.07	22.10	22.10	23.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.13	22.09	22.05	23.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.07	22.04	22.15	23.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.11	22.17	22.10	23.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.01	22.05	22.06	23.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.12	22.07	22.04	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.18		23.00
100	PI/2 BPSK	1	137		22.05		23.00
100	PI/2 BPSK	1	271		22.15		23.00
100	PI/2 BPSK	135	0		22.08		23.00
100	PI/2 BPSK	135	69		22.15		23.00
100	PI/2 BPSK	135	138		22.02		23.00
100	PI/2 BPSK	270	0		22.01		23.00
100	QPSK	1	1		22.03		23.00
100	QPSK	1	137		22.00		23.00
100	QPSK	1	271		22.11		23.00
100	QPSK	135	0		22.05		23.00
100	QPSK	135	69		22.03		23.00
100	QPSK	135	138		22.01		23.00
100	QPSK	270	0		22.08		23.00
100	16QAM	1	1		22.12		23.00
100	64QAM	1	1		22.01		23.00
100	256QAM	1	1		21.12		22.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.13	22.17	22.14	23.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.11	22.16	22.06	23.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.01	22.14	22.08	23.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.06	22.11	22.06	23.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.08	22.15	22.13	23.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.13	22.05	22.14	23.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.08	22.08	22.02	23.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	



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35	PI/2 BPSK	1	1	22.07	22.10	22.10	23.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	22.13	22.09	22.05	23.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	22.07	22.04	22.15	23.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	22.11	22.17	22.10	23.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	22.01	22.05	22.06	23.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	22.12	22.07	22.04	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		20.10		21.60
100	PI/2 BPSK	1	137		20.04		21.60
100	PI/2 BPSK	1	271		19.89		21.60
100	PI/2 BPSK	135	0		19.87		21.60
100	PI/2 BPSK	135	69		20.08		21.60
100	PI/2 BPSK	135	138		19.94		21.60
100	PI/2 BPSK	270	0		20.04		21.60
100	QPSK	1	1		19.98		21.60
100	QPSK	1	137		20.00		21.60
100	QPSK	1	271		20.09		21.60
100	QPSK	135	0		19.87		21.60
100	QPSK	135	69		19.86		21.60
100	QPSK	135	138		19.90		21.60
100	QPSK	270	0		19.99		21.60
100	16QAM	1	1		19.92		21.60
100	64QAM	1	1		19.95		21.60
100	256QAM	1	1		19.88		21.60
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	20.02	20.08	20.01	21.60
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	20.00	19.96	20.03	21.60
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.93	19.96	19.96	21.60
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.90	19.97	19.97	21.60
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.95	20.02	19.93	21.60
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	19.98	19.95	19.97	21.60
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.99	20.03	20.02	21.60
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	20.00	20.03	20.02	21.60
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.99	19.96	19.99	21.60
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.96	20.00	19.95	21.60
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.93	19.99	20.04	21.60
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)



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15	PI/2 BPSK	1	1	19.95	20.03	20.03	21.60
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	20.00	20.08	20.01	21.60

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		21.30		21.70
100	PI/2 BPSK	1	137		21.16		21.70
100	PI/2 BPSK	1	271		21.23		21.70
100	PI/2 BPSK	135	0		21.15		21.70
100	PI/2 BPSK	135	69		21.21		21.70
100	PI/2 BPSK	135	138		21.18		21.70
100	PI/2 BPSK	270	0		21.14		21.70
100	QPSK	1	1		21.08		21.70
100	QPSK	1	137		21.05		21.70
100	QPSK	1	271		21.25		21.70
100	QPSK	135	0		21.13		21.70
100	QPSK	135	69		21.09		21.70
100	QPSK	135	138		21.07		21.70
100	QPSK	270	0		21.13		21.70
100	16QAM	1	1		21.24		21.70
100	64QAM	1	1		21.11		21.70
100	256QAM	1	1		20.26		20.70
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	21.16	21.29	21.13	21.70
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	21.14	21.19	21.15	21.70
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	21.13	21.22	21.20	21.70
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	21.15	21.21	21.13	21.70
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	21.19	21.25	21.15	21.70
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	21.13	21.27	21.07	21.70
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	21.20	21.25	21.10	21.70
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	21.19	21.18	21.11	21.70
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	21.25	21.24	21.07	21.70
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	21.12	21.21	21.10	21.70
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	21.18	21.19	21.18	21.70
20	PI/2 BPSK	1	26	0.00	0.00	0.00	21.70
20	PI/2 BPSK	1	49	0.00	0.00	0.00	21.70
20	PI/2 BPSK	25	0	0.00	0.00	0.00	21.70
20	PI/2 BPSK	25	13	0.00	0.00	0.00	21.70
20	PI/2 BPSK	25	26	0.00	0.00	0.00	21.70
20	PI/2 BPSK	50	0	0.00	0.00	0.00	21.70
20	QPSK	1	1	0.00	0.00	0.00	21.70
20	QPSK	1	26	0.00	0.00	0.00	21.70
20	QPSK	1	49	0.00	0.00	0.00	21.70
20	QPSK	25	0	0.00	0.00	0.00	21.70
20	QPSK	25	13	0.00	0.00	0.00	21.70
20	QPSK	25	26	0.00	0.00	0.00	21.70
20	QPSK	50	0	0.00	0.00	0.00	21.70
20	16QAM	1	1	0.00	0.00	0.00	21.70



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20	64QAM	1	1	0.00	0.00	0.00	21.70
20	256QAM	1	1	0.00	0.00	0.00	20.70
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.17	21.26	21.17	21.70
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.15	21.22	21.19	21.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		14.23		15.00
100	PI/2 BPSK	1	137		14.19		15.00
100	PI/2 BPSK	1	271		14.19		15.00
100	PI/2 BPSK	135	0		14.20		15.00
100	PI/2 BPSK	135	69		14.22		15.00
100	PI/2 BPSK	135	138		14.09		15.00
100	PI/2 BPSK	270	0		14.19		15.00
100	QPSK	1	1		14.19		15.00
100	QPSK	1	137		14.20		15.00
100	QPSK	1	271		14.13		15.00
100	QPSK	135	0		14.20		15.00
100	QPSK	135	69		14.10		15.00
100	QPSK	135	138		14.19		15.00
100	QPSK	270	0		14.16		15.00
100	16QAM	1	1		14.14		15.00
100	64QAM	1	1		14.17		15.00
100	256QAM	1	1		14.15		15.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.08	14.15	14.18	15.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.11	14.11	14.05	15.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.17	14.22	14.17	15.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.11	14.11	14.08	15.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.06	14.16	14.08	15.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	14.19	14.18	14.06	15.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.15	14.09	14.08	15.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	14.16	14.12	14.06	15.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.12	14.08	14.15	15.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	14.12	14.19	14.15	15.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.20	14.10	14.18	15.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.14	14.21	14.13	15.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.11	14.12	14.11	15.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		19.60		21.20
100	PI/2 BPSK	1	137		19.54		21.20
100	PI/2 BPSK	1	271		19.39		21.20
100	PI/2 BPSK	135	0		19.37		21.20
100	PI/2 BPSK	135	69		19.58		21.20
100	PI/2 BPSK	135	138		19.44		21.20
100	PI/2 BPSK	270	0		19.54		21.20
100	QPSK	1	1		19.48		21.20
100	QPSK	1	137		19.50		21.20
100	QPSK	1	271		19.59		21.20
100	QPSK	135	0		19.37		21.20
100	QPSK	135	69		19.36		21.20
100	QPSK	135	138		19.40		21.20
100	QPSK	270	0		19.49		21.20
100	16QAM	1	1		19.42		21.20
100	64QAM	1	1		19.45		21.20
100	256QAM	1	1		19.38		21.20
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	19.48	19.58	19.49	21.20
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	19.50	19.54	19.48	21.20
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	19.50	19.48	19.53	21.20
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	19.43	19.46	19.47	21.20
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	19.50	19.50	19.54	21.20
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	19.46	19.51	19.49	21.20
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	19.43	19.45	19.50	21.20
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	19.54	19.56	19.50	21.20
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	19.47	19.48	19.52	21.20
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	19.51	19.49	19.48	21.20
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	19.48	19.48	19.53	21.20
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	19.42	19.54	19.45	21.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.49	19.50	19.44	21.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.18		23.00
100	PI/2 BPSK	1	137		22.05		23.00
100	PI/2 BPSK	1	271		22.15		23.00
100	PI/2 BPSK	135	0		22.08		23.00
100	PI/2 BPSK	135	69		22.15		23.00



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100	PI/2 BPSK	135	138		22.02		23.00
100	PI/2 BPSK	270	0		22.01		23.00
100	QPSK	1	1		22.03		23.00
100	QPSK	1	137		22.00		23.00
100	QPSK	1	271		22.11		23.00
100	QPSK	135	0		22.05		23.00
100	QPSK	135	69		22.03		23.00
100	QPSK	135	138		22.01		23.00
100	QPSK	270	0		22.08		23.00
100	16QAM	1	1		22.12		23.00
100	64QAM	1	1		22.01		23.00
100	256QAM	1	1		21.12		22.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.13	22.17	22.14	23.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.11	22.16	22.06	23.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.01	22.14	22.08	23.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.06	22.11	22.06	23.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.08	22.15	22.13	23.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.13	22.05	22.14	23.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.08	22.08	22.02	23.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.07	22.10	22.10	23.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.13	22.09	22.05	23.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.07	22.04	22.15	23.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.11	22.17	22.10	23.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.01	22.05	22.06	23.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.12	22.07	22.04	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		25.02		26.00
100	PI/2 BPSK	1	137		24.97		26.00
100	PI/2 BPSK	1	271		25.01		26.00
100	PI/2 BPSK	135	0		24.92		25.50
100	PI/2 BPSK	135	69		24.98		26.00
100	PI/2 BPSK	135	138		24.92		25.50
100	PI/2 BPSK	270	0		24.97		25.50
100	QPSK	1	1		24.99		26.00
100	QPSK	1	137		24.90		26.00
100	QPSK	1	271		24.85		26.00
100	QPSK	135	0		24.95		26.00
100	QPSK	135	69		24.98		26.00
100	QPSK	135	138		24.89		26.00
100	QPSK	270	0		24.91		26.00
100	16QAM	1	1		24.94		26.00
100	64QAM	1	1		23.30		24.50
100	256QAM	1	1		21.55		22.50



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Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.89	24.90	25.03	26.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.96	24.87	25.15	26.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.84	24.99	25.16	26.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.97	24.91	25.08	26.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.95	24.97	25.14	26.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	24.89	25.00	25.05	26.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.86	24.99	25.03	26.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	24.88	25.00	25.06	26.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.91	24.92	25.17	26.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	24.97	24.97	25.07	26.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.88	25.01	25.11	26.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.91	24.92	25.08	26.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.87	24.92	25.09	26.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		25.02		26.00
100	PI/2 BPSK	1	137		24.97		26.00
100	PI/2 BPSK	1	271		25.01		26.00
100	PI/2 BPSK	135	0		24.92		26.00
100	PI/2 BPSK	135	69		24.98		26.00
100	PI/2 BPSK	135	138		24.92		26.00
100	PI/2 BPSK	270	0		24.97		26.00
100	QPSK	1	1		24.99		26.00
100	QPSK	1	137		24.90		26.00
100	QPSK	1	271		24.85		26.00
100	QPSK	135	0		24.95		26.00
100	QPSK	135	69		24.98		26.00
100	QPSK	135	138		24.89		26.00
100	QPSK	270	0		24.91		26.00
100	16QAM	1	1		24.94		26.00
100	64QAM	1	1		23.30		24.00
100	256QAM	1	1		21.55		22.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.89	24.90	25.03	26.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.96	24.87	25.15	26.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.84	24.99	25.16	26.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.97	24.91	25.08	26.00



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Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.95	24.97	25.14	26.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	24.89	25.00	25.05	26.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.86	24.99	25.03	26.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	24.88	25.00	25.06	26.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.91	24.92	25.17	26.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	24.97	24.97	25.07	26.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.88	25.01	25.11	26.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.91	24.92	25.08	26.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.87	24.92	25.09	26.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.89		24.60
100	PI/2 BPSK	1	137		22.74		24.60
100	PI/2 BPSK	1	271		22.83		24.60
100	PI/2 BPSK	135	0		22.70		24.60
100	PI/2 BPSK	135	69		22.86		24.60
100	PI/2 BPSK	135	138		22.75		24.60
100	PI/2 BPSK	270	0		22.83		24.60
100	QPSK	1	1		22.86		24.60
100	QPSK	1	137		22.78		24.60
100	QPSK	1	271		22.82		24.60
100	QPSK	135	0		22.85		24.60
100	QPSK	135	69		22.88		24.60
100	QPSK	135	138		22.83		24.60
100	QPSK	270	0		22.72		24.60
100	16QAM	1	1		22.74		24.60
100	64QAM	1	1		23.30		24.50
100	256QAM	1	1		21.55		22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.71	22.87	22.70	24.60
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.75	22.84	22.78	24.60
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.78	22.86	22.75	24.60
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.75	22.79	22.81	24.60
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.81	22.74	22.71	24.60
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.83	22.88	22.71	24.60
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.75	22.79	22.69	24.60
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.84	22.84	22.69	24.60



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Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.79	22.84	22.81	24.60
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.77	22.80	22.71	24.60
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.75	22.75	22.68	24.60
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.73	22.87	22.69	24.60
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.80	22.77	22.74	24.60

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		24.34		24.70
100	PI/2 BPSK	1	137		24.11		24.70
100	PI/2 BPSK	1	271		24.12		24.70
100	PI/2 BPSK	135	0		24.08		24.70
100	PI/2 BPSK	135	69		24.10		24.70
100	PI/2 BPSK	135	138		24.07		24.70
100	PI/2 BPSK	270	0		24.13		24.70
100	QPSK	1	1		24.08		24.70
100	QPSK	1	137		24.03		24.70
100	QPSK	1	271		23.99		24.70
100	QPSK	135	0		24.10		24.70
100	QPSK	135	69		24.07		24.70
100	QPSK	135	138		23.94		24.70
100	QPSK	270	0		24.03		24.70
100	16QAM	1	1		24.03		24.70
100	64QAM	1	1		22.45		22.70
100	256QAM	1	1		20.68		20.70
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.00	24.21	24.18	24.70
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.06	24.32	24.22	24.70
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.09	24.32	24.27	24.70
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.04	24.31	24.31	24.70
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.98	24.32	24.32	24.70
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	24.10	24.22	24.29	24.70
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.02	24.23	24.29	24.70
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	24.01	24.28	24.22	24.70
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.97	24.26	24.26	24.70
30	PI/2 BPSK	1	39	0.00	0.00	0.00	24.70
30	PI/2 BPSK	1	76	0.00	0.00	0.00	24.70
30	PI/2 BPSK	36	0	0.00	0.00	0.00	24.70
30	PI/2 BPSK	36	18	0.00	0.00	0.00	24.70
30	PI/2 BPSK	36	39	0.00	0.00	0.00	24.70
30	PI/2 BPSK	75	0	0.00	0.00	0.00	24.70
30	QPSK	1	1	0.00	0.00	0.00	24.70
30	QPSK	1	39	0.00	0.00	0.00	24.70
30	QPSK	1	76	0.00	0.00	0.00	24.70

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30	QPSK	36	0	0.00	0.00	0.00	24.70
30	QPSK	36	18	0.00	0.00	0.00	24.70
30	QPSK	36	39	0.00	0.00	0.00	24.70
30	QPSK	75	0	0.00	0.00	0.00	24.70
30	16QAM	1	1	0.00	0.00	0.00	24.70
30	64QAM	1	1	0.00	0.00	0.00	22.70
30	256QAM	1	1	0.00	0.00	0.00	20.70
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	24.09	24.23	24.20	24.70
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	24.07	24.33	24.30	24.70
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	24.06	24.31	24.20	24.70
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	23.98	24.31	24.27	24.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		17.29		18.00
100	PI/2 BPSK	1	137		17.14		18.00
100	PI/2 BPSK	1	271		17.16		18.00
100	PI/2 BPSK	135	0		17.20		18.00
100	PI/2 BPSK	135	69		17.28		18.00
100	PI/2 BPSK	135	138		17.05		18.00
100	PI/2 BPSK	270	0		17.16		18.00
100	QPSK	1	1		17.26		18.00
100	QPSK	1	137		17.26		18.00
100	QPSK	1	271		17.18		18.00
100	QPSK	135	0		17.19		18.00
100	QPSK	135	69		17.09		18.00
100	QPSK	135	138		17.14		18.00
100	QPSK	270	0		17.16		18.00
100	16QAM	1	1		17.17		18.00
100	64QAM	1	1		17.23		18.00
100	256QAM	1	1		17.15		18.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	17.06	17.14	17.17	18.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	17.10	17.24	17.12	18.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	17.07	17.27	17.16	18.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	17.10	17.21	17.06	18.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	17.05	17.15	17.10	18.00
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	17.14	17.17	17.07	18.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	17.02	17.16	17.17	18.00
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	17.08	17.21	17.13	18.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	17.11	17.23	17.06	18.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	17.05	17.21	17.04	18.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)



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20	PI/2 BPSK	1	1	17.07	17.25	17.03	18.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.05	17.22	17.05	18.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.04	17.26	17.14	18.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		22.39		24.20
100	PI/2 BPSK	1	137		22.24		24.20
100	PI/2 BPSK	1	271		22.33		24.20
100	PI/2 BPSK	135	0		22.20		24.20
100	PI/2 BPSK	135	69		22.36		24.20
100	PI/2 BPSK	135	138		22.25		24.20
100	PI/2 BPSK	270	0		22.33		24.20
100	QPSK	1	1		22.36		24.20
100	QPSK	1	137		22.28		24.20
100	QPSK	1	271		22.32		24.20
100	QPSK	135	0		22.35		24.20
100	QPSK	135	69		22.38		24.20
100	QPSK	135	138		22.33		24.20
100	QPSK	270	0		22.22		24.20
100	16QAM	1	1		22.24		24.20
100	64QAM	1	1		22.30		24.20
100	256QAM	1	1		21.55		22.60
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.28	22.38	22.21	24.20
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.21	22.28	22.30	24.20
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.21	22.29	22.26	24.20
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.34	22.30	22.27	24.20
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.25	22.37	22.22	24.20
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.33	22.29	22.25	24.20
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.25	22.28	22.23	24.20
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.24	22.26	22.29	24.20
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.29	22.25	22.24	24.20
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.26	22.29	22.30	24.20
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.24	22.29	22.21	24.20
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.27	22.29	22.20	24.20
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.25	22.31	22.29	24.20



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					518598		26.00
Frequency (MHz)					2592.99		
100	PI/2 BPSK	1	1		25.02		26.00
100	PI/2 BPSK	1	137		24.97		26.00
100	PI/2 BPSK	1	271		25.01		26.00
100	PI/2 BPSK	135	0		24.92		26.00
100	PI/2 BPSK	135	69		24.98		26.00
100	PI/2 BPSK	135	138		24.92		26.00
100	PI/2 BPSK	270	0		24.97		26.00
100	QPSK	1	1		24.99		26.00
100	QPSK	1	137		24.90		26.00
100	QPSK	1	271		24.85		26.00
100	QPSK	135	0		24.95		26.00
100	QPSK	135	69		24.98		26.00
100	QPSK	135	138		24.89		26.00
100	QPSK	270	0		24.91		26.00
100	16QAM	1	1		24.94		26.00
100	64QAM	1	1		23.30		24.00
100	256QAM	1	1		21.55		22.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.89	24.90	25.03	26.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.96	24.87	25.15	26.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.84	24.99	25.16	26.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.97	24.91	25.08	26.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.95	24.97	25.14	26.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	24.89	25.00	25.05	26.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.86	24.99	25.03	26.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	24.88	25.00	25.06	26.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.91	24.92	25.17	26.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	24.97	24.97	25.07	26.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.88	25.01	25.11	26.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.91	24.92	25.08	26.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.87	24.92	25.09	26.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					641666		24.00
Frequency (MHz)					3570	3679.98	
40	PI/2 BPSK	1	1	23.18	23.21	23.20	24.00
40	PI/2 BPSK	1	53	22.97	23.11	23.04	24.00
40	PI/2 BPSK	1	104	23.11	23.17	23.02	24.00
40	PI/2 BPSK	50	0	23.00	23.14	23.02	24.00
40	PI/2 BPSK	50	28	23.17	23.19	23.16	24.00



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40	PI/2 BPSK	50	56	22.96	23.13	23.09	24.00
40	PI/2 BPSK	100	0	23.02	23.17	23.12	24.00
40	QPSK	1	1	23.02	23.11	23.08	24.00
40	QPSK	1	53	23.04	23.09	23.05	24.00
40	QPSK	1	104	23.02	23.13	23.11	24.00
40	QPSK	50	0	23.04	23.11	23.09	24.00
40	QPSK	50	28	22.96	23.08	22.92	24.00
40	QPSK	50	56	23.04	23.12	22.96	24.00
40	QPSK	100	0	23.04	23.18	23.09	24.00
40	16QAM	1	1	22.97	23.03	22.95	24.00
40	64QAM	1	1	22.09	22.25	22.11	23.00
40	256QAM	1	1	20.15	20.25	20.19	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.05	23.17	23.10	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.20	23.18	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.17	23.08	23.17	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.09	23.14	23.08	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.18	23.21	23.20	24.00
40	PI/2 BPSK	1	53	22.97	23.11	23.04	24.00
40	PI/2 BPSK	1	104	23.11	23.17	23.02	24.00
40	PI/2 BPSK	50	0	23.00	23.14	23.02	24.00
40	PI/2 BPSK	50	28	23.17	23.19	23.16	24.00
40	PI/2 BPSK	50	56	22.96	23.13	23.09	24.00
40	PI/2 BPSK	100	0	23.02	23.17	23.12	24.00
40	QPSK	1	1	23.02	23.11	23.08	24.00
40	QPSK	1	53	23.04	23.09	23.05	24.00
40	QPSK	1	104	23.02	23.13	23.11	24.00
40	QPSK	50	0	23.04	23.11	23.09	24.00
40	QPSK	50	28	22.96	23.08	22.92	24.00
40	QPSK	50	56	23.04	23.12	22.96	24.00
40	QPSK	100	0	23.04	23.18	23.09	24.00
40	16QAM	1	1	22.97	23.03	22.95	24.00
40	64QAM	1	1	22.09	22.25	22.11	23.00
40	256QAM	1	1	20.15	20.25	20.19	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.05	23.17	23.10	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.20	23.18	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.17	23.08	23.17	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.09	23.14	23.08	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.11	20.15	20.09	21.80
40	PI/2 BPSK	1	53	19.93	20.00	19.93	21.80
40	PI/2 BPSK	1	104	19.93	20.07	19.99	21.80
40	PI/2 BPSK	50	0	19.88	19.95	19.89	21.80



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40	PI/2 BPSK	50	28	20.05	20.13	20.08	21.80
40	PI/2 BPSK	50	56	19.94	20.09	20.00	21.80
40	PI/2 BPSK	100	0	19.94	20.10	19.82	21.80
40	QPSK	1	1	19.89	19.91	19.84	21.80
40	QPSK	1	53	19.85	19.93	19.92	21.80
40	QPSK	1	104	19.83	19.92	19.83	21.80
40	QPSK	50	0	19.97	20.03	19.86	21.80
40	QPSK	50	28	19.90	20.05	19.88	21.80
40	QPSK	50	56	19.87	20.05	19.88	21.80
40	QPSK	100	0	19.83	19.97	19.83	21.80
40	16QAM	1	1	19.87	19.98	19.82	21.80
40	64QAM	1	1	19.92	20.05	19.93	21.80
40	256QAM	1	1	19.96	20.11	20.03	21.50
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	20.08	20.11	20.08	21.80
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	20.02	20.05	19.97	21.80
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	20.10	20.03	20.08	21.80
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	19.97	20.01	20.04	21.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.61	21.65	21.59	23.00
40	PI/2 BPSK	1	53	21.43	21.50	21.43	23.00
40	PI/2 BPSK	1	104	21.43	21.57	21.49	23.00
40	PI/2 BPSK	50	0	21.38	21.45	21.24	23.00
40	PI/2 BPSK	50	28	21.55	21.63	21.58	23.00
40	PI/2 BPSK	50	56	21.44	21.59	21.50	23.00
40	PI/2 BPSK	100	0	21.44	21.60	21.32	23.00
40	QPSK	1	1	21.23	21.41	21.34	23.00
40	QPSK	1	53	21.27	21.43	21.29	23.00
40	QPSK	1	104	21.27	21.42	21.33	23.00
40	QPSK	50	0	21.47	21.53	21.36	23.00
40	QPSK	50	28	21.40	21.55	21.38	23.00
40	QPSK	50	56	21.37	21.55	21.38	23.00
40	QPSK	100	0	21.33	21.47	21.33	23.00
40	16QAM	1	1	21.37	21.48	21.32	23.00
40	64QAM	1	1	21.42	21.55	21.43	23.00
40	256QAM	1	1	19.96	20.11	20.03	21.20
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	21.50	21.59	21.52	23.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	21.58	21.63	21.53	23.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	21.53	21.53	21.58	23.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	21.48	21.64	21.58	23.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	12.81	12.85	12.83	14.50
40	PI/2 BPSK	1	53	12.72	12.75	12.70	14.50
40	PI/2 BPSK	1	104	12.66	12.72	12.77	14.50



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40	PI/2 BPSK	50	0	12.74	12.71	12.70	14.50
40	PI/2 BPSK	50	28	12.79	12.83	12.78	14.50
40	PI/2 BPSK	50	56	12.72	12.71	12.75	14.50
40	PI/2 BPSK	100	0	12.76	12.79	12.69	14.50
40	QPSK	1	1	12.68	12.75	12.75	14.50
40	QPSK	1	53	12.76	12.78	12.77	14.50
40	QPSK	1	104	12.69	12.77	12.75	14.50
40	QPSK	50	0	12.67	12.78	12.75	14.50
40	QPSK	50	28	12.70	12.78	12.72	14.50
40	QPSK	50	56	12.72	12.76	12.70	14.50
40	QPSK	100	0	12.71	12.72	12.78	14.50
40	16QAM	1	1	12.73	12.80	12.76	14.50
40	64QAM	1	1	12.71	12.71	12.76	14.50
40	256QAM	1	1	12.72	12.82	12.76	14.50
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	12.74	12.74	12.78	14.50
30	PI/2 BPSK	1	39	0.00	0.00	0.00	14.50
30	PI/2 BPSK	1	76	0.00	0.00	0.00	14.50
30	PI/2 BPSK	36	0	0.00	0.00	0.00	14.50
30	PI/2 BPSK	36	18	0.00	0.00	0.00	14.50
30	PI/2 BPSK	36	39	0.00	0.00	0.00	14.50
30	PI/2 BPSK	75	0	0.00	0.00	0.00	14.50
30	QPSK	1	1	0.00	0.00	0.00	14.50
30	QPSK	1	39	0.00	0.00	0.00	14.50
30	QPSK	1	76	0.00	0.00	0.00	14.50
30	QPSK	36	0	0.00	0.00	0.00	14.50
30	QPSK	36	18	0.00	0.00	0.00	14.50
30	QPSK	36	39	0.00	0.00	0.00	14.50
30	QPSK	75	0	0.00	0.00	0.00	14.50
30	16QAM	1	1	0.00	0.00	0.00	14.50
30	64QAM	1	1	0.00	0.00	0.00	14.50
30	256QAM	1	1	0.00	0.00	0.00	14.50
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	12.78	12.76	12.70	14.50
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	12.70	12.83	12.71	14.50
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	12.70	12.78	12.79	14.50

【FR1 n48_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.11	20.15	20.09	21.70
40	PI/2 BPSK	1	53	19.93	20.00	19.93	21.70
40	PI/2 BPSK	1	104	19.93	20.07	19.99	21.70
40	PI/2 BPSK	50	0	19.88	19.95	19.74	21.70
40	PI/2 BPSK	50	28	20.05	20.13	20.08	21.70
40	PI/2 BPSK	50	56	19.94	20.09	20.00	21.70
40	PI/2 BPSK	100	0	19.94	20.10	19.82	21.70
40	QPSK	1	1	19.73	19.91	19.84	21.70
40	QPSK	1	53	19.77	19.93	19.79	21.70
40	QPSK	1	104	19.77	19.92	19.83	21.70
40	QPSK	50	0	19.97	20.03	19.86	21.70
40	QPSK	50	28	19.90	20.05	19.88	21.70
40	QPSK	50	56	19.87	20.05	19.88	21.70
40	QPSK	100	0	19.83	19.97	19.83	21.70
40	16QAM	1	1	19.87	19.98	19.82	21.70
40	64QAM	1	1	19.92	20.05	19.93	21.70
40	256QAM	1	1	19.96	20.11	20.03	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.08	20.11	20.08	21.70
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.02	20.05	19.97	21.70
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.10	20.03	20.08	21.70



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Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.97	20.01	20.04	21.70

【FR1 n48_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.18	23.21	23.20	24.00
40	PI/2 BPSK	1	53	22.97	23.11	23.04	24.00
40	PI/2 BPSK	1	104	23.11	23.17	23.02	24.00
40	PI/2 BPSK	50	0	23.00	23.14	23.02	24.00
40	PI/2 BPSK	50	28	23.17	23.19	23.16	24.00
40	PI/2 BPSK	50	56	22.96	23.13	23.09	24.00
40	PI/2 BPSK	100	0	23.02	23.17	23.12	24.00
40	QPSK	1	1	23.02	23.11	23.08	24.00
40	QPSK	1	53	23.04	23.09	23.05	24.00
40	QPSK	1	104	23.02	23.13	23.11	24.00
40	QPSK	50	0	23.04	23.11	23.09	24.00
40	QPSK	50	28	22.96	23.08	22.92	24.00
40	QPSK	50	56	23.04	23.12	22.96	24.00
40	QPSK	100	0	23.04	23.18	23.09	24.00
40	16QAM	1	1	22.97	23.03	22.95	24.00
40	64QAM	1	1	22.09	22.25	22.11	23.00
40	256QAM	1	1	20.15	20.25	20.19	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.05	23.17	23.10	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.20	23.18	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.17	23.08	23.17	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.09	23.14	23.08	24.00

【FR1 n48_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	



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15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

【FR1 n48_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit



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Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.29	23.35	23.30	
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.26	23.31	23.30	
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.36	23.41	23.27	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.03	16.05	16.02	
40	PI/2 BPSK	1	53	15.97	15.90	15.94	17.50
40	PI/2 BPSK	1	104	15.94	15.95	15.98	17.50
40	PI/2 BPSK	50	0	15.92	16.02	15.92	17.50
40	PI/2 BPSK	50	28	16.00	16.04	15.98	17.50
40	PI/2 BPSK	50	56	16.00	15.93	15.96	17.50
40	PI/2 BPSK	100	0	15.89	15.93	15.90	17.50
40	QPSK	1	1	15.89	16.00	15.91	17.50
40	QPSK	1	53	15.99	15.99	15.96	17.50
40	QPSK	1	104	15.98	15.93	15.88	17.50
40	QPSK	50	0	15.90	15.99	15.91	17.50
40	QPSK	50	28	15.93	15.99	15.98	17.50
40	QPSK	50	56	15.93	15.91	15.96	17.50
40	QPSK	100	0	15.99	15.97	15.93	17.50
40	16QAM	1	1	16.00	15.93	15.94	17.50
40	64QAM	1	1	15.99	15.95	15.91	17.50
40	256QAM	1	1	15.88	15.91	15.93	17.50
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	16.02	15.93	15.94	
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	15.92	15.95	15.97	



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Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	15.90	16.00	15.93	17.50
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	15.92	15.93	15.89	17.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.31	21.34	21.27	22.70
40	PI/2 BPSK	1	53	21.12	21.28	21.08	22.70
40	PI/2 BPSK	1	104	21.23	21.30	21.14	22.70
40	PI/2 BPSK	50	0	21.02	21.19	21.03	22.70
40	PI/2 BPSK	50	28	21.28	21.32	21.25	22.70
40	PI/2 BPSK	50	56	21.17	21.27	21.08	22.70
40	PI/2 BPSK	100	0	21.16	21.29	21.12	22.70
40	QPSK	1	1	21.22	21.30	21.20	22.70
40	QPSK	1	53	21.07	21.17	21.04	22.70
40	QPSK	1	104	21.03	21.14	20.92	22.70
40	QPSK	50	0	21.12	21.20	21.07	22.70
40	QPSK	50	28	21.19	21.29	21.12	22.70
40	QPSK	50	56	21.02	21.19	20.99	22.70
40	QPSK	100	0	20.97	21.14	20.94	22.70
40	16QAM	1	1	21.13	21.26	21.05	22.70
40	64QAM	1	1	21.08	21.14	20.93	22.70
40	256QAM	1	1	21.15	21.29	21.15	22.70
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.25	21.26	21.15	22.70
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.20	21.27	21.14	22.70
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.19	21.21	21.23	22.70
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.16	21.23	21.24	22.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.38	23.43	23.35	24.00
40	PI/2 BPSK	1	53	23.13	23.30	23.12	24.00
40	PI/2 BPSK	1	104	23.21	23.40	23.28	24.00
40	PI/2 BPSK	50	0	23.24	23.38	23.25	24.00
40	PI/2 BPSK	50	28	23.36	23.40	23.33	24.00
40	PI/2 BPSK	50	56	23.20	23.39	23.28	24.00
40	PI/2 BPSK	100	0	23.27	23.39	23.22	24.00
40	QPSK	1	1	23.11	23.30	23.18	24.00
40	QPSK	1	53	23.12	23.28	23.06	24.00
40	QPSK	1	104	23.32	23.38	23.17	24.00
40	QPSK	50	0	23.17	23.30	23.10	24.00
40	QPSK	50	28	23.18	23.34	23.25	24.00
40	QPSK	50	56	23.15	23.25	23.10	24.00
40	QPSK	100	0	23.28	23.37	23.16	24.00
40	16QAM	1	1	23.09	23.26	23.11	24.00
40	64QAM	1	1	22.26	22.42	22.23	23.00
40	256QAM	1	1	20.33	20.46	20.32	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.31	23.39	23.29	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	



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20	PI/2 BPSK	1	1	23.29	23.35	23.30	24.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.26	23.31	23.30	24.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.36	23.41	23.27	24.00

【FR1 n48_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.10	23.15	23.13	24.00
40	PI/2 BPSK	1	53	22.80	22.99	22.95	24.00
40	PI/2 BPSK	1	104	23.04	23.11	23.01	24.00
40	PI/2 BPSK	50	0	22.88	23.00	22.87	24.00
40	PI/2 BPSK	50	28	23.08	23.11	23.06	24.00
40	PI/2 BPSK	50	56	22.80	22.95	22.86	24.00
40	PI/2 BPSK	100	0	22.91	23.04	22.87	24.00
40	QPSK	1	1	22.81	22.87	22.71	24.00
40	QPSK	1	53	22.68	22.87	22.82	24.00
40	QPSK	1	104	22.72	22.87	22.76	24.00
40	QPSK	50	0	22.80	22.96	22.82	24.00
40	QPSK	50	28	22.65	22.84	22.81	24.00
40	QPSK	50	56	22.62	22.81	22.71	24.00
40	QPSK	100	0	22.77	22.89	22.78	24.00
40	16QAM	1	1	22.70	22.84	22.74	24.00
40	64QAM	1	1	21.97	22.04	21.97	23.00
40	256QAM	1	1	19.97	20.05	19.99	21.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	23.00	23.06	23.08	24.00
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	23.04	23.03	22.98	24.00
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	23.01	23.12	23.06	24.00
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	23.08	23.03	23.06	24.00

【FR1 n48_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.10	21.15	21.13	22.50
40	PI/2 BPSK	1	53	20.80	20.99	20.95	22.50
40	PI/2 BPSK	1	104	21.04	21.11	21.01	22.50
40	PI/2 BPSK	50	0	20.88	21.00	20.87	22.50
40	PI/2 BPSK	50	28	21.08	21.11	21.06	22.50
40	PI/2 BPSK	50	56	20.80	20.95	20.86	22.50
40	PI/2 BPSK	100	0	20.91	21.04	20.87	22.50
40	QPSK	1	1	20.81	20.87	20.71	22.50
40	QPSK	1	53	20.68	20.87	20.82	22.50
40	QPSK	1	104	20.72	20.87	20.76	22.50
40	QPSK	50	0	20.80	20.96	20.82	22.50
40	QPSK	50	28	20.65	20.84	20.81	22.50
40	QPSK	50	56	20.62	20.81	20.71	22.50
40	QPSK	100	0	20.77	20.89	20.78	22.50
40	16QAM	1	1	20.70	20.84	20.74	22.50
40	64QAM	1	1	20.55	20.54	20.55	22.50
40	256QAM	1	1	19.25	19.21	19.23	21.00
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	20.95	21.14	20.99	22.50
Channel				637334	641666	646000	Tune-up limit



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Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	20.99	21.13	20.99	22.50
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	21.05	21.05	21.07	22.50
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	20.98	21.08	21.09	22.50

【FR1 n48_Ant 8_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	17.02	17.06	17.00	18.60
40	PI/2 BPSK	1	53	16.78	16.84	16.68	18.60
40	PI/2 BPSK	1	104	16.78	16.88	16.74	18.60
40	PI/2 BPSK	50	0	16.68	16.86	16.71	18.60
40	PI/2 BPSK	50	28	16.96	17.02	16.99	18.60
40	PI/2 BPSK	50	56	16.92	17.02	16.92	18.60
40	PI/2 BPSK	100	0	16.74	16.92	16.72	18.60
40	QPSK	1	1	16.76	16.91	16.74	18.60
40	QPSK	1	53	16.89	17.03	16.87	18.60
40	QPSK	1	104	16.88	16.96	16.84	18.60
40	QPSK	50	0	16.72	16.86	16.66	18.60
40	QPSK	50	28	16.86	16.95	16.79	18.60
40	QPSK	50	56	16.84	16.99	16.80	18.60
40	QPSK	100	0	16.75	16.85	16.77	18.60
40	16QAM	1	1	16.88	17.04	16.93	18.60
40	64QAM	1	1	16.81	16.90	16.82	18.60
40	256QAM	1	1	16.72	16.86	16.74	18.60
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	16.96	16.99	16.89	18.60
Channel				637334	641666	646000	Tune-up limit
Frequency (MHz)				3560.01	3624.99	3690	(dBm)
20	PI/2 BPSK	1	1	16.99	16.97	16.94	18.60
Channel				637168	641666	646166	Tune-up limit
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)
15	PI/2 BPSK	1	1	16.91	17.01	16.94	18.60
Channel				637000	641666	646332	Tune-up limit
Frequency (MHz)				3555	3624.99	3694.98	(dBm)
10	PI/2 BPSK	1	1	16.87	16.99	16.85	18.60

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	18.52	18.56	18.50	20.20
40	PI/2 BPSK	1	53	18.31	18.34	18.30	20.20
40	PI/2 BPSK	1	104	18.32	18.38	18.30	20.20
40	PI/2 BPSK	50	0	18.30	18.36	18.30	20.20
40	PI/2 BPSK	50	28	18.44	18.52	18.49	20.20
40	PI/2 BPSK	50	56	18.40	18.52	18.40	20.20
40	PI/2 BPSK	100	0	18.35	18.42	18.32	20.20
40	QPSK	1	1	18.35	18.41	18.30	20.20
40	QPSK	1	53	18.44	18.53	18.40	20.20
40	QPSK	1	104	18.31	18.46	18.30	20.20
40	QPSK	50	0	18.30	18.36	18.31	20.20
40	QPSK	50	28	18.30	18.45	18.36	20.20
40	QPSK	50	56	18.36	18.49	18.31	20.20
40	QPSK	100	0	18.31	18.35	18.30	20.20
40	16QAM	1	1	18.42	18.54	18.35	20.20
40	64QAM	1	1	18.30	18.40	18.31	20.20
40	256QAM	1	1	18.30	18.36	18.30	20.20
Channel				637668	641666	645666	Tune-up limit
Frequency (MHz)				3565.02	3624.99	3684.99	(dBm)
30	PI/2 BPSK	1	1	18.39	18.53	18.43	20.20



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Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.48	18.49	18.43	20.20
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	18.37	18.54	18.43	20.20
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	18.43	18.46	18.39	20.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	8.68	8.71	8.67	10.50
40	PI/2 BPSK	1	53	8.61	8.66	8.64	10.50
40	PI/2 BPSK	1	104	8.64	8.56	8.55	10.50
40	PI/2 BPSK	50	0	8.61	8.61	8.52	10.50
40	PI/2 BPSK	50	28	8.68	8.69	8.67	10.50
40	PI/2 BPSK	50	56	8.56	8.66	8.55	10.50
40	PI/2 BPSK	100	0	8.64	8.65	8.53	10.50
40	QPSK	1	1	8.56	8.66	8.53	10.50
40	QPSK	1	53	8.55	8.56	8.52	10.50
40	QPSK	1	104	8.57	8.59	8.55	10.50
40	QPSK	50	0	8.55	8.63	8.54	10.50
40	QPSK	50	28	8.60	8.67	8.58	10.50
40	QPSK	50	56	8.58	8.65	8.54	10.50
40	QPSK	100	0	8.59	8.61	8.52	10.50
40	16QAM	1	1	8.57	8.59	8.59	10.50
40	64QAM	1	1	8.64	8.67	8.55	10.50
40	256QAM	1	1	8.60	8.65	8.61	10.50
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	8.60	8.57	8.54	10.50
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	8.66	8.59	8.61	10.50
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	8.64	8.62	8.53	10.50
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	8.54	8.64	8.61	10.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.52	16.56	16.50	18.20
40	PI/2 BPSK	1	53	16.28	16.34	16.25	18.20
40	PI/2 BPSK	1	104	16.28	16.38	16.24	18.20
40	PI/2 BPSK	50	0	16.23	16.36	16.21	18.20
40	PI/2 BPSK	50	28	16.46	16.52	16.49	18.20
40	PI/2 BPSK	50	56	16.42	16.52	16.42	18.20
40	PI/2 BPSK	100	0	16.24	16.42	16.22	18.20
40	QPSK	1	1	16.26	16.41	16.24	18.20
40	QPSK	1	53	16.39	16.53	16.37	18.20
40	QPSK	1	104	16.38	16.46	16.34	18.20
40	QPSK	50	0	16.22	16.36	16.23	18.20
40	QPSK	50	28	16.36	16.45	16.29	18.20
40	QPSK	50	56	16.34	16.49	16.30	18.20
40	QPSK	100	0	16.25	16.35	16.27	18.20
40	16QAM	1	1	16.38	16.54	16.43	18.20
40	64QAM	1	1	16.31	16.40	16.32	18.20
40	256QAM	1	1	16.22	16.36	16.24	18.20
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	



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30	PI/2 BPSK	1	1	16.50	16.45	16.45	18.20
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	16.43	16.46	16.40	18.20
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	16.43	16.42	16.43	18.20
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	16.49	16.43	16.40	18.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.10	23.15	23.13	24.00
40	PI/2 BPSK	1	53	22.80	22.99	22.95	24.00
40	PI/2 BPSK	1	104	23.04	23.11	23.01	24.00
40	PI/2 BPSK	50	0	22.88	23.00	22.87	24.00
40	PI/2 BPSK	50	28	23.08	23.11	23.06	24.00
40	PI/2 BPSK	50	56	22.80	22.95	22.86	24.00
40	PI/2 BPSK	100	0	22.91	23.04	22.87	24.00
40	QPSK	1	1	22.81	22.87	22.71	24.00
40	QPSK	1	53	22.68	22.87	22.82	24.00
40	QPSK	1	104	22.72	22.87	22.76	24.00
40	QPSK	50	0	22.80	22.96	22.82	24.00
40	QPSK	50	28	22.65	22.84	22.81	24.00
40	QPSK	50	56	22.62	22.81	22.71	24.00
40	QPSK	100	0	22.77	22.89	22.78	24.00
40	16QAM	1	1	22.70	22.84	22.74	24.00
40	64QAM	1	1	21.97	22.04	21.97	23.00
40	256QAM	1	1	19.97	20.05	19.99	21.00
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.00	23.06	23.08	24.00
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.04	23.03	22.98	24.00
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.01	23.12	23.06	24.00
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.08	23.03	23.06	24.00

【FR1 n66_Ant 3_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		Tune-up limit (dBm)
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		23.62		24.00
45	PI/2 BPSK	1	120		23.40		24.00
45	PI/2 BPSK	1	240		23.50		24.00
45	PI/2 BPSK	120	0		23.37		24.00
45	PI/2 BPSK	120	60		23.58		24.00
45	PI/2 BPSK	120	120		23.31		24.00
45	PI/2 BPSK	240	0		22.53		24.00
45	QPSK	1	1		23.42		24.00
45	QPSK	1	120		23.36		24.00
45	QPSK	1	240		23.49		24.00
45	QPSK	120	0		23.40		24.00
45	QPSK	120	60		23.30		24.00
45	QPSK	120	120		23.27		24.00
45	QPSK	240	0		23.33		24.00
45	16QAM	1	1		23.48		24.00
45	64QAM	1	1		22.65		23.00
45	256QAM	1	1		20.60		21.00
Channel				346000	349000	352000	Tune-up limit



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Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.56	23.57	23.54	24.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.58	23.57	23.48	24.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.53	23.52	23.46	24.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.52	23.54	23.44	24.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.59	23.57	23.45	24.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.53	23.56	23.45	24.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.59	23.53	23.44	24.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.58	23.54	23.46	24.00

【FR1 n66_Ant 3_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		19.05		20.70
45	PI/2 BPSK	1	120		18.87		20.70
45	PI/2 BPSK	1	240		18.82		20.70
45	PI/2 BPSK	120	0		18.94		20.70
45	PI/2 BPSK	120	60		19.01		20.70
45	PI/2 BPSK	120	120		18.77		20.70
45	PI/2 BPSK	240	0		18.98		20.70
45	QPSK	1	1		19.06		20.70
45	QPSK	1	120		18.81		20.70
45	QPSK	1	240		18.90		20.70
45	QPSK	120	0		18.92		20.70
45	QPSK	120	60		18.95		20.70
45	QPSK	120	120		18.91		20.70
45	QPSK	240	0		19.01		20.70
45	16QAM	1	1		18.80		20.70
45	64QAM	1	1		18.78		20.70
45	256QAM	1	1		18.81		20.70
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	18.88	18.99	18.72	20.70
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.94	18.91	18.70	20.70
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.92	18.92	18.70	20.70
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.89	19.04	18.70	20.70
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.91	18.95	18.70	20.70
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.86	18.96	18.72	20.70
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.84	18.94	18.70	20.70
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.97	18.90	18.70	20.70

**【FR1 n66_Ant 3_DSI 3】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		18.59		19.80
45	PI/2 BPSK	1	120		18.30		19.80
45	PI/2 BPSK	1	240		18.57		19.80
45	PI/2 BPSK	120	0		18.42		19.80
45	PI/2 BPSK	120	60		18.57		19.80
45	PI/2 BPSK	120	120		18.42		19.80
45	PI/2 BPSK	240	0		18.45		19.80
45	QPSK	1	1		18.55		19.80
45	QPSK	1	120		18.46		19.80
45	QPSK	1	240		18.47		19.80
45	QPSK	120	0		18.27		19.80
45	QPSK	120	60		18.33		19.80
45	QPSK	120	120		18.37		19.80
45	QPSK	240	0		18.35		19.80
45	16QAM	1	1		18.28		19.80
45	64QAM	1	1		18.53		19.80
45	256QAM	1	1		18.55		19.80
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.45	18.45	18.44	19.80
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	18.48	18.57	18.53	19.80
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.42	18.54	18.51	19.80
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.43	18.55	18.43	19.80
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.52	18.57	18.51	19.80
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.50	18.49	18.48	19.80
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.54	18.49	18.41	19.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.51	18.52	18.52	19.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		21.61		22.50
45	PI/2 BPSK	1	120		21.50		22.50
45	PI/2 BPSK	1	240		21.44		22.50
45	PI/2 BPSK	120	0		21.47		22.50
45	PI/2 BPSK	120	60		21.57		22.50
45	PI/2 BPSK	120	120		21.53		22.50
45	PI/2 BPSK	240	0		21.55		22.50
45	QPSK	1	1		21.35		22.50
45	QPSK	1	120		21.37		22.50
45	QPSK	1	240		21.36		22.50
45	QPSK	120	0		21.48		22.50
45	QPSK	120	60		21.35		22.50
45	QPSK	120	120		21.33		22.50
45	QPSK	240	0		21.34		22.50
45	16QAM	1	1		21.54		22.50
45	64QAM	1	1		21.29		22.50
45	256QAM	1	1		20.31		20.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.41	21.53	21.47	22.50



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Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.45	21.51	21.54	22.50
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.42	21.47	21.55	22.50
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.47	21.46	21.50	22.50
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.49	21.46	21.53	22.50
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.43	21.47	21.57	22.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.54	21.54	21.45	22.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.55	21.49	21.55	22.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		13.01		14.40
45	PI/2 BPSK	1	120		12.92		14.40
45	PI/2 BPSK	1	240		12.88		14.40
45	PI/2 BPSK	120	0		12.90		14.40
45	PI/2 BPSK	120	60		12.99		14.40
45	PI/2 BPSK	120	120		12.88		14.40
45	PI/2 BPSK	240	0		12.87		14.40
45	QPSK	1	1		12.88		14.40
45	QPSK	1	120		12.98		14.40
45	QPSK	1	240		12.91		14.40
45	QPSK	120	0		12.95		14.40
45	QPSK	120	60		12.89		14.40
45	QPSK	120	120		12.89		14.40
45	QPSK	240	0		12.97		14.40
45	16QAM	1	1		12.90		14.40
45	64QAM	1	1		12.88		14.40
45	256QAM	1	1		12.93		14.40
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	12.90	12.88	12.85	14.40
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	12.89	12.88	12.87	14.40
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	12.87	12.96	12.88	14.40
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	12.88	12.96	12.86	14.40
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	12.83	12.87	12.87	14.40
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	12.89	12.93	12.83	14.40
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	12.85	12.92	12.81	14.40
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	12.83	12.97	12.81	14.40

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		17.63		18.80
45	PI/2 BPSK	1	120		17.43		18.80
45	PI/2 BPSK	1	240		17.35		18.80
45	PI/2 BPSK	120	0		17.28		18.80
45	PI/2 BPSK	120	60		17.60		18.80
45	PI/2 BPSK	120	120		17.40		18.80
45	PI/2 BPSK	240	0		17.53		18.80
45	QPSK	1	1		17.41		18.80
45	QPSK	1	120		17.44		18.80
45	QPSK	1	240		17.56		18.80
45	QPSK	120	0		17.46		18.80
45	QPSK	120	60		17.49		18.80
45	QPSK	120	120		17.54		18.80
45	QPSK	240	0		17.27		18.80
45	16QAM	1	1		17.38		18.80
45	64QAM	1	1		17.53		18.80
45	256QAM	1	1		17.39		18.80
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.59	17.59	17.51	18.80
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	17.49	17.60	17.55	18.80
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.59	17.51	17.47	18.80
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.58	17.52	17.45	18.80
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	17.55	17.55	17.57	18.80
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.58	17.54	17.56	18.80
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.57	17.61	17.56	18.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.47	17.61	17.54	18.80

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					349000		
Frequency (MHz)					1745		
45	PI/2 BPSK	1	1		23.62		24.00
45	PI/2 BPSK	1	120		23.40		24.00
45	PI/2 BPSK	1	240		23.50		24.00
45	PI/2 BPSK	120	0		23.37		23.50
45	PI/2 BPSK	120	60		23.58		24.00
45	PI/2 BPSK	120	120		23.31		23.50
45	PI/2 BPSK	240	0		22.53		23.50
45	QPSK	1	1		23.42		24.00
45	QPSK	1	120		23.36		24.00
45	QPSK	1	240		23.49		24.00
45	QPSK	120	0		23.40		24.00
45	QPSK	120	60		23.30		24.00
45	QPSK	120	120		23.27		24.00
45	QPSK	240	0		23.33		24.00
45	16QAM	1	1		23.48		24.00
45	64QAM	1	1		22.65		23.00
45	256QAM	1	1		20.60		21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	



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40	PI/2 BPSK	1	1	23.56	23.57	23.54	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.58	23.57	23.48	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.52	23.46	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.52	23.54	23.44	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.59	23.57	23.45	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.53	23.56	23.45	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.59	23.53	23.44	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.58	23.54	23.46	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.23		24.00
100	PI/2 BPSK	1	137		22.76		24.00
100	PI/2 BPSK	1	271		23.00		24.00
100	PI/2 BPSK	135	0		23.01		24.00
100	PI/2 BPSK	135	69		23.20		24.00
100	PI/2 BPSK	135	138		22.82		24.00
100	PI/2 BPSK	270	0		23.16		24.00
100	QPSK	1	1		23.20		24.00
100	QPSK	1	137		22.80		24.00
100	QPSK	1	271		22.99		24.00
100	QPSK	135	0		23.01		24.00
100	QPSK	135	69		22.82		24.00
100	QPSK	135	138		22.84		24.00
100	QPSK	270	0		22.88		24.00
100	16QAM	1	1		23.11		24.00
100	64QAM	1	1		23.14		24.00
100	256QAM	1	1		23.12		24.00
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.17	23.20	23.18	24.00
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.08	23.09	23.13	24.00
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.07	23.07	23.11	24.00
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.11	23.18	23.04	24.00
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.12	23.08	23.04	24.00
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.10	23.11	23.16	24.00
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.07	23.05	24.00
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.11	23.11	23.05	24.00
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.06	23.04	24.00
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	