

3	64QAM	8	0	20.80	20.87	20.71	21.70
3	64QAM	8	4	20.82	20.83	20.66	21.70
3	64QAM	8	7	20.87	20.88	20.68	21.70
3	64QAM	15	0	20.87	20.87	20.68	21.70
3	256QAM	1	0	19.09	18.95	18.86	19.70
3	256QAM	1	8	18.80	18.87	18.68	19.70
3	256QAM	1	14	18.97	18.95	18.71	19.70
3	256QAM	8	0	18.87	18.84	18.69	19.70
3	256QAM	8	4	18.75	18.73	18.59	19.70
3	256QAM	8	7	18.84	18.81	18.58	19.70
3	256QAM	15	0	18.84	18.78	18.61	19.70
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.55	23.50	23.31	24.70
1.4	QPSK	1	3	23.46	23.42	23.25	24.70
1.4	QPSK	1	5	23.54	23.50	23.27	24.70
1.4	QPSK	3	0	23.55	23.43	23.34	24.70
1.4	QPSK	3	1	23.53	23.49	23.22	24.70
1.4	QPSK	3	3	23.50	23.39	23.31	24.70
1.4	QPSK	6	0	22.80	22.71	22.65	23.70
1.4	16QAM	1	0	23.04	23.04	22.82	23.70
1.4	16QAM	1	3	22.94	22.94	22.79	23.70
1.4	16QAM	1	5	23.09	23.15	22.81	23.70
1.4	16QAM	3	0	22.72	22.77	22.58	23.70
1.4	16QAM	3	1	22.78	22.78	22.58	23.70
1.4	16QAM	3	3	22.68	22.76	22.55	23.70
1.4	16QAM	6	0	21.83	21.79	21.65	22.70
1.4	64QAM	1	0	21.86	21.96	21.74	22.70
1.4	64QAM	1	3	21.86	21.86	21.76	22.70
1.4	64QAM	1	5	21.90	21.88	21.72	22.70
1.4	64QAM	3	0	21.74	21.76	21.59	22.70
1.4	64QAM	3	1	21.75	21.79	21.57	22.70
1.4	64QAM	3	3	21.90	21.80	21.58	22.70
1.4	64QAM	6	0	20.77	20.85	20.58	21.70
1.4	256QAM	1	0	18.91	18.76	18.74	19.70
1.4	256QAM	1	3	18.79	18.80	18.61	19.70
1.4	256QAM	1	5	18.90	18.86	18.70	19.70
1.4	256QAM	3	0	18.90	18.90	18.69	19.70
1.4	256QAM	3	1	18.76	18.74	18.54	19.70
1.4	256QAM	3	3	18.74	18.76	18.55	19.70
1.4	256QAM	6	0	18.74	18.77	18.56	19.70

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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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.09	18.99	18.88	19.20
20	QPSK	1	49	18.93	18.88	18.80	19.20
20	QPSK	1	99	18.94	18.94	18.72	19.20
20	QPSK	50	0	19.04	18.97	18.85	19.20
20	QPSK	50	24	19.00	18.94	18.82	19.20
20	QPSK	50	50	18.97	18.92	18.77	19.20
20	QPSK	100	0	19.00	18.94	18.83	19.20
20	16QAM	1	0	18.94	18.96	18.75	19.20
20	16QAM	1	49	18.99	18.94	18.72	19.20
20	16QAM	1	99	18.90	18.86	18.73	19.20
20	16QAM	50	0	19.02	18.93	18.86	19.20
20	16QAM	50	24	19.00	18.91	18.79	19.20
20	16QAM	50	50	19.02	18.90	18.83	19.20
20	16QAM	100	0	19.03	18.94	18.83	19.20
20	64QAM	1	0	19.06	18.91	18.82	19.20
20	64QAM	1	49	18.89	18.84	18.73	19.20
20	64QAM	1	99	18.87	18.90	18.69	19.20
20	64QAM	50	0	19.06	18.96	18.85	19.20
20	64QAM	50	24	19.02	18.96	18.81	19.20
20	64QAM	50	50	19.03	18.90	18.80	19.20
20	64QAM	100	0	19.00	18.97	18.82	19.20
20	256QAM	1	0	18.91	18.81	18.66	19.20
20	256QAM	1	49	18.78	18.80	18.72	19.20
20	256QAM	1	99	19.02	18.86	18.82	19.20
20	256QAM	50	0	18.91	18.86	18.73	19.20
20	256QAM	50	24	18.86	18.89	18.66	19.20
20	256QAM	50	50	18.82	18.81	18.62	19.20
20	256QAM	100	0	18.93	18.84	18.66	19.20
Channel				26115	26340	26615	Tune-up limit



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Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	19.00	18.87	18.78	19.20
15	QPSK	1	37	18.78	18.81	18.75	19.20
15	QPSK	1	74	18.80	18.92	18.70	19.20
15	QPSK	36	0	18.93	18.85	18.76	19.20
15	QPSK	36	20	18.97	18.82	18.69	19.20
15	QPSK	36	39	18.83	18.79	18.72	19.20
15	QPSK	75	0	18.98	18.90	18.69	19.20
15	16QAM	1	0	18.86	18.84	18.66	19.20
15	16QAM	1	37	18.91	18.92	18.58	19.20
15	16QAM	1	74	18.78	18.77	18.58	19.20
15	16QAM	36	0	18.98	18.82	18.82	19.20
15	16QAM	36	20	18.96	18.78	18.71	19.20
15	16QAM	36	39	18.92	18.85	18.79	19.20
15	16QAM	75	0	18.92	18.84	18.68	19.20
15	64QAM	1	0	18.99	18.86	18.76	19.20
15	64QAM	1	37	18.87	18.78	18.70	19.20
15	64QAM	1	74	18.79	18.81	18.55	19.20
15	64QAM	36	0	18.92	18.92	18.74	19.20
15	64QAM	36	20	18.95	18.88	18.69	19.20
15	64QAM	36	39	19.01	18.77	18.68	19.20
15	64QAM	75	0	18.93	18.92	18.68	19.20
15	256QAM	1	0	18.76	18.80	18.65	19.20
15	256QAM	1	37	18.70	18.73	18.63	19.20
15	256QAM	1	74	18.97	18.79	18.68	19.20
15	256QAM	36	0	18.82	18.78	18.63	19.20
15	256QAM	36	20	18.71	18.82	18.55	19.20
15	256QAM	36	39	18.74	18.72	18.54	19.20
15	256QAM	75	0	18.81	18.77	18.65	19.20
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.01	18.96	18.78	19.20
10	QPSK	1	25	18.86	18.81	18.67	19.20
10	QPSK	1	49	18.90	18.91	18.70	19.20
10	QPSK	25	0	18.98	18.90	18.82	19.20
10	QPSK	25	12	18.89	18.86	18.77	19.20
10	QPSK	25	25	18.89	18.86	18.75	19.20
10	QPSK	50	0	18.87	18.89	18.76	19.20
10	16QAM	1	0	18.84	18.90	18.73	19.20
10	16QAM	1	25	18.94	18.83	18.60	19.20
10	16QAM	1	49	18.77	18.77	18.63	19.20
10	16QAM	25	0	18.99	18.89	18.79	19.20
10	16QAM	25	12	18.91	18.79	18.67	19.20
10	16QAM	25	25	18.95	18.76	18.77	19.20
10	16QAM	50	0	18.99	18.88	18.77	19.20
10	64QAM	1	0	18.95	18.88	18.72	19.20
10	64QAM	1	25	18.78	18.81	18.58	19.20
10	64QAM	1	49	18.78	18.87	18.60	19.20
10	64QAM	25	0	19.03	18.87	18.77	19.20
10	64QAM	25	12	18.99	18.92	18.78	19.20
10	64QAM	25	25	18.94	18.84	18.76	19.20
10	64QAM	50	0	18.89	18.84	18.68	19.20
10	256QAM	1	0	18.83	18.77	18.55	19.20
10	256QAM	1	25	18.65	18.65	18.59	19.20
10	256QAM	1	49	18.96	18.84	18.67	19.20
10	256QAM	25	0	18.81	18.82	18.69	19.20
10	256QAM	25	12	18.79	18.88	18.64	19.20
10	256QAM	25	25	18.75	18.69	18.56	19.20
10	256QAM	50	0	18.85	18.80	18.52	19.20
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.95	18.87	18.83	19.20
5	QPSK	1	12	18.87	18.79	18.69	19.20
5	QPSK	1	24	18.84	18.81	18.66	19.20
5	QPSK	12	0	18.96	18.82	18.73	19.20
5	QPSK	12	7	18.86	18.79	18.68	19.20
5	QPSK	12	13	18.89	18.91	18.63	19.20
5	QPSK	25	0	18.89	18.90	18.71	19.20
5	16QAM	1	0	18.86	18.88	18.65	19.20
5	16QAM	1	12	18.96	18.87	18.62	19.20
5	16QAM	1	24	18.78	18.80	18.62	19.20
5	16QAM	12	0	18.88	18.89	18.77	19.20
5	16QAM	12	7	18.88	18.85	18.66	19.20
5	16QAM	12	13	18.92	18.77	18.68	19.20
5	16QAM	25	0	18.92	18.89	18.77	19.20
5	64QAM	1	0	18.92	18.78	18.72	19.20
5	64QAM	1	12	18.75	18.83	18.71	19.20
5	64QAM	1	24	18.73	18.79	18.56	19.20

5	64QAM	12	0	19.04	18.92	18.83	19.20
5	64QAM	12	7	18.98	18.86	18.76	19.20
5	64QAM	12	13	18.94	18.76	18.68	19.20
5	64QAM	25	0	18.93	18.93	18.74	19.20
5	256QAM	1	0	18.79	18.67	18.62	19.20
5	256QAM	1	12	18.73	18.68	18.63	19.20
5	256QAM	1	24	18.95	18.81	18.76	19.20
5	256QAM	12	0	18.85	18.73	18.71	19.20
5	256QAM	12	7	18.78	18.83	18.63	19.20
5	256QAM	12	13	18.69	18.67	18.60	19.20
5	256QAM	25	0	18.82	18.75	18.65	19.20
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.07	18.91	18.82	19.20
3	QPSK	1	8	18.88	18.80	18.66	19.20
3	QPSK	1	14	18.81	18.81	18.66	19.20
3	QPSK	8	0	18.98	18.93	18.73	19.20
3	QPSK	8	4	18.88	18.88	18.71	19.20
3	QPSK	8	7	18.95	18.82	18.72	19.20
3	QPSK	15	0	18.90	18.88	18.75	19.20
3	16QAM	1	0	18.86	18.91	18.73	19.20
3	16QAM	1	8	18.85	18.88	18.58	19.20
3	16QAM	1	14	18.87	18.76	18.62	19.20
3	16QAM	8	0	18.93	18.85	18.76	19.20
3	16QAM	8	4	18.94	18.87	18.69	19.20
3	16QAM	8	7	18.96	18.82	18.81	19.20
3	16QAM	15	0	19.01	18.91	18.79	19.20
3	64QAM	1	0	19.03	18.87	18.77	19.20
3	64QAM	1	8	18.86	18.77	18.64	19.20
3	64QAM	1	14	18.74	18.88	18.57	19.20
3	64QAM	8	0	18.91	18.83	18.75	19.20
3	64QAM	8	4	18.87	18.88	18.69	19.20
3	64QAM	8	7	18.92	18.87	18.71	19.20
3	64QAM	15	0	18.94	18.87	18.77	19.20
3	256QAM	1	0	18.81	18.66	18.53	19.20
3	256QAM	1	8	18.69	18.77	18.70	19.20
3	256QAM	1	14	18.99	18.84	18.79	19.20
3	256QAM	8	0	18.76	18.74	18.62	19.20
3	256QAM	8	4	18.79	18.74	18.64	19.20
3	256QAM	8	7	18.78	18.75	18.48	19.20
3	256QAM	15	0	18.82	18.81	18.54	19.20
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	18.96	18.93	18.85	19.20
1.4	QPSK	1	3	18.83	18.78	18.79	19.20
1.4	QPSK	1	5	18.85	18.82	18.64	19.20
1.4	QPSK	3	0	19.02	18.89	18.71	19.20
1.4	QPSK	3	1	18.96	18.92	18.72	19.20
1.4	QPSK	3	3	18.86	18.87	18.70	19.20
1.4	QPSK	6	0	17.86	17.93	17.78	18.20
1.4	16QAM	1	0	17.81	17.90	17.73	18.20
1.4	16QAM	1	3	17.96	17.84	17.57	18.20
1.4	16QAM	1	5	17.77	17.74	17.65	18.20
1.4	16QAM	3	0	17.95	17.89	17.81	18.20
1.4	16QAM	3	1	17.96	17.84	17.73	18.20
1.4	16QAM	3	3	17.94	17.83	17.78	18.20
1.4	16QAM	6	0	16.96	16.84	16.70	17.20
1.4	64QAM	1	0	17.01	16.78	16.73	17.20
1.4	64QAM	1	3	16.86	16.74	16.66	17.20
1.4	64QAM	1	5	16.81	16.77	16.55	17.20
1.4	64QAM	3	0	17.02	16.90	16.72	17.20
1.4	64QAM	3	1	17.00	16.85	16.68	17.20
1.4	64QAM	3	3	16.91	16.77	16.71	17.20
1.4	64QAM	6	0	15.95	15.90	15.68	16.20
1.4	256QAM	1	0	13.83	13.72	13.56	14.20
1.4	256QAM	1	3	13.73	13.77	13.62	14.20
1.4	256QAM	1	5	14.01	13.83	13.71	14.20
1.4	256QAM	3	0	13.87	13.72	13.66	14.20
1.4	256QAM	3	1	13.84	13.81	13.65	14.20
1.4	256QAM	3	3	13.70	13.66	13.55	14.20
1.4	256QAM	6	0	13.87	13.79	13.55	14.20

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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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	19.09	18.99	18.88	19.40
20	QPSK	1	49	18.93	18.88	18.80	19.40
20	QPSK	1	99	18.94	18.94	18.72	19.40
20	QPSK	50	0	19.04	18.97	18.85	19.40
20	QPSK	50	24	19.00	18.94	18.82	19.40
20	QPSK	50	50	18.97	18.92	18.77	19.40
20	QPSK	100	0	19.00	18.94	18.83	19.40
20	16QAM	1	0	18.94	18.96	18.75	19.40
20	16QAM	1	49	18.99	18.94	18.72	19.40
20	16QAM	1	99	18.90	18.86	18.73	19.40
20	16QAM	50	0	19.02	18.93	18.86	19.40
20	16QAM	50	24	19.00	18.91	18.79	19.40
20	16QAM	50	50	19.02	18.90	18.83	19.40
20	16QAM	100	0	19.03	18.94	18.83	19.40
20	64QAM	1	0	19.06	18.91	18.82	19.40
20	64QAM	1	49	18.89	18.84	18.73	19.40
20	64QAM	1	99	18.87	18.90	18.69	19.40
20	64QAM	50	0	19.06	18.96	18.85	19.40
20	64QAM	50	24	19.02	18.96	18.81	19.40
20	64QAM	50	50	19.03	18.90	18.80	19.40
20	64QAM	100	0	19.00	18.97	18.82	19.40
20	256QAM	1	0	18.91	18.81	18.66	19.40
20	256QAM	1	49	18.78	18.80	18.72	19.40
20	256QAM	1	99	19.02	18.86	18.82	19.40
20	256QAM	50	0	18.91	18.86	18.73	19.40
20	256QAM	50	24	18.86	18.89	18.66	19.40
20	256QAM	50	50	18.82	18.81	18.62	19.40
20	256QAM	100	0	18.93	18.84	18.66	19.40
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	19.00	18.87	18.78	19.40
15	QPSK	1	37	18.78	18.81	18.75	19.40
15	QPSK	1	74	18.80	18.92	18.70	19.40
15	QPSK	36	0	18.93	18.85	18.76	19.40
15	QPSK	36	20	18.97	18.82	18.69	19.40
15	QPSK	36	39	18.83	18.79	18.72	19.40
15	QPSK	75	0	18.98	18.90	18.69	19.40
15	16QAM	1	0	18.86	18.84	18.66	19.40
15	16QAM	1	37	18.91	18.92	18.58	19.40
15	16QAM	1	74	18.78	18.77	18.58	19.40
15	16QAM	36	0	18.98	18.82	18.82	19.40
15	16QAM	36	20	18.96	18.78	18.71	19.40
15	16QAM	36	39	18.92	18.85	18.79	19.40
15	16QAM	75	0	18.92	18.84	18.68	19.40
15	64QAM	1	0	18.99	18.86	18.76	19.40
15	64QAM	1	37	18.87	18.78	18.70	19.40
15	64QAM	1	74	18.79	18.81	18.55	19.40
15	64QAM	36	0	18.92	18.92	18.74	19.40
15	64QAM	36	20	18.95	18.88	18.69	19.40
15	64QAM	36	39	19.01	18.77	18.68	19.40
15	64QAM	75	0	18.93	18.92	18.68	19.40
15	256QAM	1	0	18.76	18.80	18.65	19.40
15	256QAM	1	37	18.70	18.73	18.63	19.40
15	256QAM	1	74	18.97	18.79	18.68	19.40
15	256QAM	36	0	18.82	18.78	18.63	19.40
15	256QAM	36	20	18.71	18.82	18.55	19.40
15	256QAM	36	39	18.74	18.72	18.54	19.40
15	256QAM	75	0	18.81	18.77	18.65	19.40
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	19.01	18.96	18.78	19.40
10	QPSK	1	25	18.86	18.81	18.67	19.40
10	QPSK	1	49	18.90	18.91	18.70	19.40
10	QPSK	25	0	18.98	18.90	18.82	19.40
10	QPSK	25	12	18.89	18.86	18.77	19.40
10	QPSK	25	25	18.89	18.86	18.75	19.40
10	QPSK	50	0	18.87	18.89	18.76	19.40
10	16QAM	1	0	18.84	18.90	18.73	19.40
10	16QAM	1	25	18.94	18.83	18.60	19.40
10	16QAM	1	49	18.77	18.77	18.63	19.40
10	16QAM	25	0	18.99	18.89	18.79	19.40



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10	16QAM	25	12	18.91	18.79	18.67	19.40
10	16QAM	25	25	18.95	18.76	18.77	19.40
10	16QAM	50	0	18.99	18.88	18.77	19.40
10	64QAM	1	0	18.95	18.88	18.72	19.40
10	64QAM	1	25	18.78	18.81	18.58	19.40
10	64QAM	1	49	18.78	18.87	18.60	19.40
10	64QAM	25	0	19.03	18.87	18.77	19.40
10	64QAM	25	12	18.99	18.92	18.78	19.40
10	64QAM	25	25	18.94	18.84	18.76	19.40
10	64QAM	50	0	18.89	18.84	18.68	19.40
10	256QAM	1	0	18.83	18.77	18.55	19.40
10	256QAM	1	25	18.65	18.65	18.59	19.40
10	256QAM	1	49	18.96	18.84	18.67	19.40
10	256QAM	25	0	18.81	18.82	18.69	19.40
10	256QAM	25	12	18.79	18.88	18.64	19.40
10	256QAM	25	25	18.75	18.69	18.56	19.40
10	256QAM	50	0	18.85	18.80	18.52	19.40
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	18.95	18.87	18.83	19.40
5	QPSK	1	12	18.87	18.79	18.69	19.40
5	QPSK	1	24	18.84	18.81	18.66	19.40
5	QPSK	12	0	18.96	18.82	18.73	19.40
5	QPSK	12	7	18.86	18.79	18.68	19.40
5	QPSK	12	13	18.89	18.91	18.63	19.40
5	QPSK	25	0	18.89	18.90	18.71	19.40
5	16QAM	1	0	18.86	18.88	18.65	19.40
5	16QAM	1	12	18.96	18.87	18.62	19.40
5	16QAM	1	24	18.78	18.80	18.62	19.40
5	16QAM	12	0	18.88	18.89	18.77	19.40
5	16QAM	12	7	18.88	18.85	18.66	19.40
5	16QAM	12	13	18.92	18.77	18.68	19.40
5	16QAM	25	0	18.92	18.89	18.77	19.40
5	64QAM	1	0	18.92	18.78	18.72	19.40
5	64QAM	1	12	18.75	18.83	18.71	19.40
5	64QAM	1	24	18.73	18.79	18.56	19.40
5	64QAM	12	0	19.04	18.92	18.83	19.40
5	64QAM	12	7	18.98	18.86	18.76	19.40
5	64QAM	12	13	18.94	18.76	18.68	19.40
5	64QAM	25	0	18.93	18.93	18.74	19.40
5	256QAM	1	0	18.79	18.67	18.62	19.40
5	256QAM	1	12	18.73	18.68	18.63	19.40
5	256QAM	1	24	18.95	18.81	18.76	19.40
5	256QAM	12	0	18.85	18.73	18.71	19.40
5	256QAM	12	7	18.78	18.83	18.63	19.40
5	256QAM	12	13	18.69	18.67	18.60	19.40
5	256QAM	25	0	18.82	18.75	18.65	19.40
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	19.07	18.91	18.82	19.40
3	QPSK	1	8	18.88	18.80	18.66	19.40
3	QPSK	1	14	18.81	18.81	18.66	19.40
3	QPSK	8	0	18.98	18.93	18.73	19.40
3	QPSK	8	4	18.88	18.88	18.71	19.40
3	QPSK	8	7	18.95	18.82	18.72	19.40
3	QPSK	15	0	18.90	18.88	18.75	19.40
3	16QAM	1	0	18.86	18.91	18.73	19.40
3	16QAM	1	8	18.85	18.88	18.58	19.40
3	16QAM	1	14	18.87	18.76	18.62	19.40
3	16QAM	8	0	18.93	18.85	18.76	19.40
3	16QAM	8	4	18.94	18.87	18.69	19.40
3	16QAM	8	7	18.96	18.82	18.81	19.40
3	16QAM	15	0	19.01	18.91	18.79	19.40
3	64QAM	1	0	19.03	18.87	18.77	19.40
3	64QAM	1	8	18.86	18.77	18.64	19.40
3	64QAM	1	14	18.74	18.88	18.57	19.40
3	64QAM	8	0	18.91	18.83	18.75	19.40
3	64QAM	8	4	18.87	18.88	18.69	19.40
3	64QAM	8	7	18.92	18.87	18.71	19.40
3	64QAM	15	0	18.94	18.87	18.77	19.40
3	256QAM	1	0	18.81	18.66	18.53	19.40
3	256QAM	1	8	18.69	18.77	18.70	19.40
3	256QAM	1	14	18.99	18.84	18.79	19.40
3	256QAM	8	0	18.76	18.74	18.62	19.40
3	256QAM	8	4	18.79	18.74	18.64	19.40
3	256QAM	8	7	18.78	18.75	18.48	19.40
3	256QAM	15	0	18.82	18.81	18.54	19.40
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	18.96	18.93	18.85	19.40
1.4	QPSK	1	3	18.83	18.78	18.79	19.40
1.4	QPSK	1	5	18.85	18.82	18.64	19.40
1.4	QPSK	3	0	19.02	18.89	18.71	19.40
1.4	QPSK	3	1	18.96	18.92	18.72	19.40
1.4	QPSK	3	3	18.86	18.87	18.70	19.40
1.4	QPSK	6	0	17.86	17.93	17.78	18.40
1.4	16QAM	1	0	17.81	17.90	17.73	18.40
1.4	16QAM	1	3	17.96	17.84	17.57	18.40
1.4	16QAM	1	5	17.77	17.74	17.65	18.40
1.4	16QAM	3	0	17.95	17.89	17.81	18.40
1.4	16QAM	3	1	17.96	17.84	17.73	18.40
1.4	16QAM	3	3	17.94	17.83	17.78	18.40
1.4	16QAM	6	0	16.96	16.84	16.70	17.40
1.4	64QAM	1	0	17.01	16.78	16.73	17.40
1.4	64QAM	1	3	16.86	16.74	16.66	17.40
1.4	64QAM	1	5	16.81	16.77	16.55	17.40
1.4	64QAM	3	0	17.02	16.90	16.72	17.40
1.4	64QAM	3	1	17.00	16.85	16.68	17.40
1.4	64QAM	3	3	16.91	16.77	16.71	17.40
1.4	64QAM	6	0	15.95	15.90	15.68	16.40
1.4	256QAM	1	0	13.83	13.72	13.56	14.40
1.4	256QAM	1	3	13.73	13.77	13.62	14.40
1.4	256QAM	1	5	14.01	13.83	13.71	14.40
1.4	256QAM	3	0	13.87	13.72	13.66	14.40
1.4	256QAM	3	1	13.84	13.81	13.65	14.40
1.4	256QAM	3	3	13.70	13.66	13.55	14.40
1.4	256QAM	6	0	13.87	13.79	13.55	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.84	23.72	23.79	25.20
20	QPSK	1	49	23.80	23.61	23.70	25.20
20	QPSK	1	99	23.63	23.59	23.56	25.20
20	QPSK	50	0	23.06	22.90	22.89	24.20
20	QPSK	50	24	23.00	22.93	22.87	24.20
20	QPSK	50	50	22.94	22.86	22.85	24.20
20	QPSK	100	0	22.99	22.87	22.92	24.20
20	16QAM	1	0	23.37	23.22	23.22	24.20
20	16QAM	1	49	23.35	23.21	23.18	24.20
20	16QAM	1	99	23.25	23.13	23.06	24.20
20	16QAM	50	0	21.96	21.89	21.97	23.20
20	16QAM	50	24	22.01	21.86	21.90	23.20
20	16QAM	50	50	21.97	21.88	21.86	23.20
20	16QAM	100	0	22.02	21.86	21.94	23.20
20	64QAM	1	0	22.22	21.96	22.24	23.20
20	64QAM	1	49	22.28	21.84	22.11	23.20
20	64QAM	1	99	22.15	21.95	22.03	23.20
20	64QAM	50	0	21.04	20.85	20.95	22.20
20	64QAM	50	24	21.01	20.83	20.93	22.20
20	64QAM	50	50	20.99	20.91	20.78	22.20
20	64QAM	100	0	21.02	20.81	20.85	22.20
20	256QAM	1	0	19.22	19.01	19.13	20.20
20	256QAM	1	49	19.04	18.93	18.88	20.20
20	256QAM	1	99	19.04	19.05	18.92	20.20
20	256QAM	50	0	19.00	18.84	18.93	20.20
20	256QAM	50	24	18.92	18.88	18.88	20.20
20	256QAM	50	50	18.88	18.78	18.83	20.20
20	256QAM	100	0	18.92	18.86	18.83	20.20
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.73	23.50	23.59	25.20
15	QPSK	1	37	23.66	23.50	23.66	25.20
15	QPSK	1	74	23.62	23.48	23.53	25.20
15	QPSK	36	0	22.96	22.79	22.84	24.20
15	QPSK	36	20	22.86	22.81	22.82	24.20
15	QPSK	36	39	22.86	22.82	22.76	24.20
15	QPSK	75	0	22.95	22.84	22.80	24.20
15	16QAM	1	0	23.25	23.16	23.15	24.20
15	16QAM	1	37	23.21	23.07	23.12	24.20
15	16QAM	1	74	23.22	22.99	23.03	24.20
15	16QAM	36	0	21.83	21.86	21.92	23.20



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15	16QAM	36	20	21.94	21.72	21.80	23.20
15	16QAM	36	39	21.90	21.77	21.83	23.20
15	16QAM	75	0	21.92	21.76	21.92	23.20
15	64QAM	1	0	22.20	21.84	22.20	23.20
15	64QAM	1	37	22.18	21.73	22.01	23.20
15	64QAM	1	74	22.14	21.83	21.98	23.20
15	64QAM	36	0	20.92	20.78	20.86	22.20
15	64QAM	36	20	20.93	20.77	20.83	22.20
15	64QAM	36	39	20.89	20.81	20.75	22.20
15	64QAM	75	0	20.88	20.71	20.73	22.20
15	256QAM	1	0	19.13	18.91	19.10	20.20
15	256QAM	1	37	18.97	18.88	18.83	20.20
15	256QAM	1	74	18.95	18.98	18.84	20.20
15	256QAM	36	0	18.90	18.79	18.90	20.20
15	256QAM	36	20	18.89	18.83	18.75	20.20
15	256QAM	36	39	18.77	18.75	18.70	20.20
15	256QAM	75	0	18.87	18.82	18.81	20.20
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.63	23.52	23.67	25.20
10	QPSK	1	25	23.78	23.49	23.62	25.20
10	QPSK	1	49	23.57	23.48	23.43	25.20
10	QPSK	25	0	22.91	22.80	22.79	24.20
10	QPSK	25	12	22.85	22.79	22.77	24.20
10	QPSK	25	25	22.81	22.71	22.78	24.20
10	QPSK	50	0	22.92	22.86	22.85	24.20
10	16QAM	1	0	23.23	23.12	23.16	24.20
10	16QAM	1	25	23.23	23.19	23.10	24.20
10	16QAM	1	49	23.12	23.03	23.05	24.20
10	16QAM	25	0	21.86	21.88	21.92	23.20
10	16QAM	25	12	21.98	21.79	21.79	23.20
10	16QAM	25	25	21.95	21.74	21.75	23.20
10	16QAM	50	0	21.93	21.73	21.79	23.20
10	64QAM	1	0	22.12	21.86	22.15	23.20
10	64QAM	1	25	22.15	21.83	22.00	23.20
10	64QAM	1	49	22.01	21.92	21.90	23.20
10	64QAM	25	0	20.94	20.76	20.88	22.20
10	64QAM	25	12	20.88	20.73	20.87	22.20
10	64QAM	25	25	20.91	20.78	20.67	22.20
10	64QAM	50	0	21.01	20.70	20.76	22.20
10	256QAM	1	0	19.12	18.96	19.11	20.20
10	256QAM	1	25	18.94	18.91	18.84	20.20
10	256QAM	1	49	18.91	18.92	18.81	20.20
10	256QAM	25	0	18.88	18.75	18.78	20.20
10	256QAM	25	12	18.79	18.81	18.87	20.20
10	256QAM	25	25	18.84	18.70	18.79	20.20
10	256QAM	50	0	18.78	18.82	18.76	20.20
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.72	23.56	23.60	25.20
5	QPSK	1	12	23.75	23.52	23.64	25.20
5	QPSK	1	24	23.58	23.45	23.45	25.20
5	QPSK	12	0	22.93	22.89	22.87	24.20
5	QPSK	12	7	22.94	22.91	22.77	24.20
5	QPSK	12	13	22.81	22.72	22.78	24.20
5	QPSK	25	0	22.86	22.78	22.83	24.20
5	16QAM	1	0	23.32	23.12	23.16	24.20
5	16QAM	1	12	23.29	23.18	23.11	24.20
5	16QAM	1	24	23.15	23.00	23.04	24.20
5	16QAM	12	0	21.84	21.88	21.88	23.20
5	16QAM	12	7	21.88	21.80	21.87	23.20
5	16QAM	12	13	21.86	21.85	21.77	23.20
5	16QAM	25	0	21.88	21.77	21.88	23.20
5	64QAM	1	0	22.13	21.90	22.22	23.20
5	64QAM	1	12	22.19	21.71	21.97	23.20
5	64QAM	1	24	22.10	21.81	21.92	23.20
5	64QAM	12	0	20.92	20.79	20.82	22.20
5	64QAM	12	7	20.86	20.79	20.80	22.20
5	64QAM	12	13	20.90	20.77	20.64	22.20
5	64QAM	25	0	20.95	20.72	20.79	22.20
5	256QAM	1	0	19.17	18.88	19.10	20.20
5	256QAM	1	12	18.93	18.88	18.81	20.20
5	256QAM	1	24	18.91	19.02	18.79	20.20
5	256QAM	12	0	18.85	18.74	18.86	20.20
5	256QAM	12	7	18.79	18.83	18.75	20.20
5	256QAM	12	13	18.82	18.76	18.68	20.20
5	256QAM	25	0	18.87	18.80	18.77	20.20
Channel				26055	26340	26675	Tune-up limit

Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.67	23.58	23.67	25.20
3	QPSK	1	8	23.75	23.59	23.64	25.20
3	QPSK	1	14	23.56	23.56	23.46	25.20
3	QPSK	8	0	22.99	22.79	22.76	24.20
3	QPSK	8	4	22.96	22.83	22.84	24.20
3	QPSK	8	7	22.86	22.80	22.78	24.20
3	QPSK	15	0	22.85	22.83	22.86	24.20
3	16QAM	1	0	23.31	23.18	23.07	24.20
3	16QAM	1	8	23.22	23.10	23.09	24.20
3	16QAM	1	14	23.20	23.07	23.03	24.20
3	16QAM	8	0	21.93	21.75	21.84	23.20
3	16QAM	8	4	21.98	21.73	21.86	23.20
3	16QAM	8	7	21.93	21.76	21.81	23.20
3	16QAM	15	0	21.93	21.80	21.90	23.20
3	64QAM	1	0	22.15	21.94	22.16	23.20
3	64QAM	1	8	22.18	21.72	22.07	23.20
3	64QAM	1	14	22.05	21.94	21.93	23.20
3	64QAM	8	0	21.00	20.75	20.93	22.20
3	64QAM	8	4	20.86	20.68	20.79	22.20
3	64QAM	8	7	20.89	20.83	20.65	22.20
3	64QAM	15	0	21.01	20.76	20.77	22.20
3	256QAM	1	0	19.19	18.95	19.02	20.20
3	256QAM	1	8	18.94	18.86	18.78	20.20
3	256QAM	1	14	18.91	18.92	18.78	20.20
3	256QAM	8	0	18.94	18.73	18.78	20.20
3	256QAM	8	4	18.78	18.82	18.79	20.20
3	256QAM	8	7	18.84	18.75	18.70	20.20
3	256QAM	15	0	18.87	18.73	18.79	20.20
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	23.65	23.61	23.54	25.20
1.4	QPSK	1	3	23.67	23.50	23.61	25.20
1.4	QPSK	1	5	23.54	23.46	23.53	25.20
1.4	QPSK	3	0	23.91	23.85	23.84	25.20
1.4	QPSK	3	1	23.90	23.91	23.78	25.20
1.4	QPSK	3	3	23.93	23.79	23.78	25.20
1.4	QPSK	6	0	22.86	22.82	22.83	24.20
1.4	16QAM	1	0	23.32	23.08	23.17	24.20
1.4	16QAM	1	3	23.21	23.17	23.07	24.20
1.4	16QAM	1	5	23.22	23.08	23.03	24.20
1.4	16QAM	3	0	22.91	22.84	22.83	24.20
1.4	16QAM	3	1	22.92	22.76	22.87	24.20
1.4	16QAM	3	3	22.84	22.86	22.71	24.20
1.4	16QAM	6	0	21.87	21.73	21.86	23.20
1.4	64QAM	1	0	22.19	21.82	22.15	23.20
1.4	64QAM	1	3	22.14	21.70	22.00	23.20
1.4	64QAM	1	5	22.08	21.93	21.93	23.20
1.4	64QAM	3	0	22.01	21.80	21.82	23.20
1.4	64QAM	3	1	21.98	21.75	21.87	23.20
1.4	64QAM	3	3	21.84	21.83	21.75	23.20
1.4	64QAM	6	0	21.00	20.79	20.74	22.20
1.4	256QAM	1	0	19.08	18.94	19.07	20.20
1.4	256QAM	1	3	19.02	18.84	18.77	20.20
1.4	256QAM	1	5	18.96	19.02	18.88	20.20
1.4	256QAM	3	0	18.86	18.72	18.90	20.20
1.4	256QAM	3	1	18.91	18.79	18.83	20.20
1.4	256QAM	3	3	18.79	18.65	18.77	20.20
1.4	256QAM	6	0	18.84	18.80	18.75	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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	16.14	16.05	16.10	16.50
20	QPSK	1	49	16.00	16.00	16.10	16.50
20	QPSK	1	99	16.08	16.00	16.00	16.50
20	QPSK	50	0	16.06	16.02	16.05	16.50
20	QPSK	50	24	16.05	15.98	16.00	16.50
20	QPSK	50	50	16.05	15.99	16.00	16.50
20	QPSK	100	0	16.06	15.98	16.04	16.50
20	16QAM	1	0	16.05	16.01	16.00	16.50
20	16QAM	1	49	16.11	16.05	15.99	16.50
20	16QAM	1	99	16.09	16.00	16.04	16.50
20	16QAM	50	0	15.98	15.96	15.98	16.50



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20	16QAM	50	24	15.96	15.94	16.01	16.50
20	16QAM	50	50	15.95	15.93	15.99	16.50
20	16QAM	100	0	15.97	15.96	15.92	16.50
20	64QAM	1	0	16.05	16.04	15.97	16.50
20	64QAM	1	49	15.99	15.99	16.05	16.50
20	64QAM	1	99	16.09	16.04	15.97	16.50
20	64QAM	50	0	16.03	15.97	16.04	16.50
20	64QAM	50	24	15.99	15.96	15.95	16.50
20	64QAM	50	50	16.05	15.96	16.00	16.50
20	64QAM	100	0	16.01	15.97	15.95	16.50
20	256QAM	1	0	16.06	15.98	15.92	16.50
20	256QAM	1	49	16.00	15.99	15.95	16.50
20	256QAM	1	99	16.05	15.98	15.95	16.50
20	256QAM	50	0	15.98	15.91	15.94	16.50
20	256QAM	50	24	15.98	15.89	15.93	16.50
20	256QAM	50	50	15.88	15.87	15.92	16.50
20	256QAM	100	0	15.99	15.96	15.90	16.50
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	16.07	15.97	16.07	16.50
15	QPSK	1	37	15.91	15.94	16.07	16.50
15	QPSK	1	74	15.99	15.97	15.93	16.50
15	QPSK	36	0	15.92	15.97	15.93	16.50
15	QPSK	36	20	15.91	15.94	15.89	16.50
15	QPSK	36	39	15.99	15.85	15.89	16.50
15	QPSK	75	0	16.01	15.84	16.03	16.50
15	16QAM	1	0	16.02	15.89	15.97	16.50
15	16QAM	1	37	16.01	15.99	15.94	16.50
15	16QAM	1	74	15.96	15.93	15.98	16.50
15	16QAM	36	0	15.91	15.93	15.90	16.50
15	16QAM	36	20	15.90	15.87	15.99	16.50
15	16QAM	36	39	15.85	15.84	15.94	16.50
15	16QAM	75	0	15.86	15.90	15.81	16.50
15	64QAM	1	0	15.99	15.92	15.86	16.50
15	64QAM	1	37	15.92	15.95	15.96	16.50
15	64QAM	1	74	15.98	15.95	15.82	16.50
15	64QAM	36	0	15.93	15.86	15.96	16.50
15	64QAM	36	20	15.95	15.93	15.92	16.50
15	64QAM	36	39	15.90	15.84	15.87	16.50
15	64QAM	75	0	15.90	15.85	15.93	16.50
15	256QAM	1	0	16.00	15.84	15.79	16.50
15	256QAM	1	37	15.86	15.95	15.93	16.50
15	256QAM	1	74	16.02	15.95	15.86	16.50
15	256QAM	36	0	15.85	15.81	15.86	16.50
15	256QAM	36	20	15.84	15.77	15.89	16.50
15	256QAM	36	39	15.87	15.84	15.89	16.50
15	256QAM	75	0	15.96	15.85	15.75	16.50
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	16.04	15.95	16.09	16.50
10	QPSK	1	25	15.86	15.88	16.06	16.50
10	QPSK	1	49	16.02	15.95	15.86	16.50
10	QPSK	25	0	15.91	15.99	15.90	16.50
10	QPSK	25	12	16.02	15.90	15.93	16.50
10	QPSK	25	25	16.01	15.94	15.97	16.50
10	QPSK	50	0	16.00	15.89	15.95	16.50
10	16QAM	1	0	15.92	15.89	15.97	16.50
10	16QAM	1	25	15.99	15.94	15.92	16.50
10	16QAM	1	49	16.07	15.95	15.93	16.50
10	16QAM	25	0	15.85	15.86	15.86	16.50
10	16QAM	25	12	15.84	15.80	15.98	16.50
10	16QAM	25	25	15.91	15.85	15.87	16.50
10	16QAM	50	0	15.96	15.90	15.83	16.50
10	64QAM	1	0	15.93	15.91	15.94	16.50
10	64QAM	1	25	15.84	15.92	16.01	16.50
10	64QAM	1	49	16.00	15.97	15.94	16.50
10	64QAM	25	0	15.95	15.85	15.95	16.50
10	64QAM	25	12	15.85	15.83	15.91	16.50
10	64QAM	25	25	15.92	15.81	15.97	16.50
10	64QAM	50	0	15.96	15.87	15.93	16.50
10	256QAM	1	0	15.95	15.94	15.84	16.50
10	256QAM	1	25	15.91	15.85	15.88	16.50
10	256QAM	1	49	15.97	15.87	15.89	16.50
10	256QAM	25	0	15.89	15.79	15.79	16.50
10	256QAM	25	12	15.86	15.86	15.92	16.50
10	256QAM	25	25	15.85	15.86	15.86	16.50
10	256QAM	50	0	15.84	15.93	15.77	16.50
Channel				26065	26340	26665	Tune-up limit



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Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	16.06	16.01	16.07	16.50
5	QPSK	1	12	15.92	15.96	16.08	16.50
5	QPSK	1	24	15.97	15.95	15.95	16.50
5	QPSK	12	0	16.02	15.91	15.92	16.50
5	QPSK	12	7	15.96	15.84	15.87	16.50
5	QPSK	12	13	15.98	15.95	15.89	16.50
5	QPSK	25	0	15.98	15.95	15.91	16.50
5	16QAM	1	0	15.92	15.96	15.89	16.50
5	16QAM	1	12	16.09	15.92	15.90	16.50
5	16QAM	1	24	15.99	15.95	15.93	16.50
5	16QAM	12	0	15.92	15.83	15.92	16.50
5	16QAM	12	7	15.85	15.92	15.97	16.50
5	16QAM	12	13	15.83	15.87	15.96	16.50
5	16QAM	25	0	15.90	15.95	15.79	16.50
5	64QAM	1	0	15.99	15.91	15.91	16.50
5	64QAM	1	12	15.90	15.90	15.90	16.50
5	64QAM	1	24	16.01	16.03	15.91	16.50
5	64QAM	12	0	15.90	15.92	16.02	16.50
5	64QAM	12	7	15.93	15.91	15.83	16.50
5	64QAM	12	13	15.91	15.90	15.98	16.50
5	64QAM	25	0	15.89	15.86	15.90	16.50
5	256QAM	1	0	16.04	15.95	15.84	16.50
5	256QAM	1	12	15.90	15.89	15.80	16.50
5	256QAM	1	24	15.91	15.90	15.94	16.50
5	256QAM	12	0	15.86	15.78	15.81	16.50
5	256QAM	12	7	15.93	15.85	15.80	16.50
5	256QAM	12	13	15.76	15.81	15.82	16.50
5	256QAM	25	0	15.85	15.85	15.88	16.50
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.02	15.94	16.00	16.50
3	QPSK	1	8	15.98	15.98	15.96	16.50
3	QPSK	1	14	16.01	15.85	15.95	16.50
3	QPSK	8	0	15.97	15.91	15.99	16.50
3	QPSK	8	4	15.90	15.89	15.92	16.50
3	QPSK	8	7	15.94	15.89	15.98	16.50
3	QPSK	15	0	16.01	15.97	15.93	16.50
3	16QAM	1	0	16.00	15.93	15.88	16.50
3	16QAM	1	8	16.03	16.02	15.93	16.50
3	16QAM	1	14	15.95	15.87	15.97	16.50
3	16QAM	8	0	15.94	15.89	15.97	16.50
3	16QAM	8	4	15.88	15.81	15.96	16.50
3	16QAM	8	7	15.88	15.91	15.84	16.50
3	16QAM	15	0	15.89	15.89	15.86	16.50
3	64QAM	1	0	16.00	15.99	15.93	16.50
3	64QAM	1	8	15.96	15.97	15.96	16.50
3	64QAM	1	14	16.03	15.97	15.91	16.50
3	64QAM	8	0	15.90	15.83	15.94	16.50
3	64QAM	8	4	15.97	15.88	15.88	16.50
3	64QAM	8	7	16.00	15.83	15.88	16.50
3	64QAM	15	0	15.99	15.85	15.91	16.50
3	256QAM	1	0	16.01	15.95	15.87	16.50
3	256QAM	1	8	15.86	15.89	15.87	16.50
3	256QAM	1	14	15.94	15.84	15.91	16.50
3	256QAM	8	0	15.96	15.79	15.85	16.50
3	256QAM	8	4	15.97	15.77	15.88	16.50
3	256QAM	8	7	15.78	15.85	15.80	16.50
3	256QAM	15	0	15.90	15.85	15.87	16.50
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.07	16.03	16.08	16.50
1.4	QPSK	1	3	15.94	15.99	15.98	16.50
1.4	QPSK	1	5	15.98	15.98	15.92	16.50
1.4	QPSK	3	0	15.96	15.99	15.99	16.50
1.4	QPSK	3	1	16.04	15.96	15.98	16.50
1.4	QPSK	3	3	16.03	15.92	15.89	16.50
1.4	QPSK	6	0	16.02	15.93	15.92	16.50
1.4	16QAM	1	0	16.03	15.90	15.88	16.50
1.4	16QAM	1	3	16.04	15.93	15.84	16.50
1.4	16QAM	1	5	15.95	15.87	16.01	16.50
1.4	16QAM	3	0	15.86	15.85	15.84	16.50
1.4	16QAM	3	1	15.92	15.82	16.00	16.50
1.4	16QAM	3	3	15.85	15.87	15.87	16.50
1.4	16QAM	6	0	15.88	15.93	15.84	16.50
1.4	64QAM	1	0	15.93	15.94	15.88	16.50
1.4	64QAM	1	3	15.91	15.91	15.93	16.50
1.4	64QAM	1	5	16.02	15.94	15.87	16.50

1.4	64QAM	3	0	15.90	15.87	15.95	16.50
1.4	64QAM	3	1	15.85	15.82	15.94	16.50
1.4	64QAM	3	3	15.99	15.83	15.91	16.50
1.4	64QAM	6	0	15.94	15.95	15.94	16.50
1.4	256QAM	1	0	15.99	15.93	15.90	16.50
1.4	256QAM	1	3	15.94	15.89	15.83	16.50
1.4	256QAM	1	5	15.98	15.90	15.86	16.50
1.4	256QAM	3	0	15.86	15.79	15.88	16.50
1.4	256QAM	3	1	15.95	15.81	15.87	16.50
1.4	256QAM	3	3	15.85	15.74	15.83	16.50
1.4	256QAM	6	0	15.87	15.88	15.82	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	12.40	12.25	12.18	12.50
20	QPSK	1	49	12.26	12.20	12.08	12.50
20	QPSK	1	99	12.34	12.20	12.13	12.50
20	QPSK	50	0	12.32	12.22	12.14	12.50
20	QPSK	50	24	12.31	12.18	12.08	12.50
20	QPSK	50	50	12.31	12.19	12.12	12.50
20	QPSK	100	0	12.32	12.18	12.08	12.50
20	16QAM	1	0	12.31	12.21	12.07	12.50
20	16QAM	1	49	12.37	12.25	12.12	12.50
20	16QAM	1	99	12.35	12.20	12.06	12.50
20	16QAM	50	0	12.24	12.16	12.09	12.50
20	16QAM	50	24	12.22	12.14	12.07	12.50
20	16QAM	50	50	12.21	12.13	12.00	12.50
20	16QAM	100	0	12.23	12.16	12.05	12.50
20	64QAM	1	0	12.31	12.24	12.13	12.50
20	64QAM	1	49	12.25	12.19	12.05	12.50
20	64QAM	1	99	12.35	12.24	12.12	12.50
20	64QAM	50	0	12.29	12.17	12.03	12.50
20	64QAM	50	24	12.25	12.16	12.08	12.50
20	64QAM	50	50	12.31	12.16	12.03	12.50
20	64QAM	100	0	12.27	12.17	12.00	12.50
20	256QAM	1	0	12.32	12.18	12.03	12.50
20	256QAM	1	49	12.26	12.19	12.03	12.50
20	256QAM	1	99	12.31	12.18	12.02	12.50
20	256QAM	50	0	12.24	12.11	12.01	12.50
20	256QAM	50	24	12.24	12.09	12.00	12.50
20	256QAM	50	50	12.14	12.07	12.08	12.50
20	256QAM	100	0	12.25	12.16	12.05	12.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	12.29	12.20	12.08	12.50
15	QPSK	1	37	12.16	12.18	12.06	12.50
15	QPSK	1	74	12.28	12.18	11.99	12.50
15	QPSK	36	0	12.23	12.17	12.04	12.50
15	QPSK	36	20	12.17	12.11	12.03	12.50
15	QPSK	36	39	12.22	12.07	11.97	12.50
15	QPSK	75	0	12.26	12.14	11.93	12.50
15	16QAM	1	0	12.19	12.17	11.94	12.50
15	16QAM	1	37	12.22	12.18	11.99	12.50
15	16QAM	1	74	12.23	12.13	12.01	12.50
15	16QAM	36	0	12.10	12.13	12.00	12.50
15	16QAM	36	20	12.11	12.02	12.00	12.50
15	16QAM	36	39	12.09	12.05	11.96	12.50
15	16QAM	75	0	12.09	12.11	12.03	12.50
15	64QAM	1	0	12.19	12.18	12.05	12.50
15	64QAM	1	37	12.23	12.10	11.91	12.50
15	64QAM	1	74	12.25	12.09	12.03	12.50
15	64QAM	36	0	12.27	12.13	11.90	12.50
15	64QAM	36	20	12.22	12.11	11.97	12.50
15	64QAM	36	39	12.18	12.11	11.90	12.50
15	64QAM	75	0	12.16	12.03	11.95	12.50
15	256QAM	1	0	12.26	12.14	11.93	12.50
15	256QAM	1	37	12.24	12.09	11.90	12.50
15	256QAM	1	74	12.18	12.10	11.98	12.50
15	256QAM	36	0	12.21	12.02	11.87	12.50
15	256QAM	36	20	12.20	11.99	11.88	12.50
15	256QAM	36	39	12.06	12.03	11.97	12.50
15	256QAM	75	0	12.17	12.14	12.03	12.50
Channel				26090	26340	26640	Tune-up limit



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Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	12.29	12.20	12.06	12.50
10	QPSK	1	25	12.21	12.13	11.95	12.50
10	QPSK	1	49	12.26	12.14	12.03	12.50
10	QPSK	25	0	12.25	12.08	12.04	12.50
10	QPSK	25	12	12.17	12.13	11.97	12.50
10	QPSK	25	25	12.30	12.11	12.00	12.50
10	QPSK	50	0	12.31	12.13	11.99	12.50
10	16QAM	1	0	12.28	12.13	12.04	12.50
10	16QAM	1	25	12.29	12.11	12.11	12.50
10	16QAM	1	49	12.22	12.16	11.98	12.50
10	16QAM	25	0	12.22	12.10	12.05	12.50
10	16QAM	25	12	12.10	12.09	12.05	12.50
10	16QAM	25	25	12.08	12.06	11.88	12.50
10	16QAM	50	0	12.16	12.01	12.03	12.50
10	64QAM	1	0	12.21	12.15	12.02	12.50
10	64QAM	1	25	12.18	12.18	12.04	12.50
10	64QAM	1	49	12.20	12.11	12.08	12.50
10	64QAM	25	0	12.23	12.11	11.97	12.50
10	64QAM	25	12	12.13	12.12	12.02	12.50
10	64QAM	25	25	12.22	12.03	11.94	12.50
10	64QAM	50	0	12.25	12.06	11.95	12.50
10	256QAM	1	0	12.24	12.09	11.93	12.50
10	256QAM	1	25	12.16	12.13	11.99	12.50
10	256QAM	1	49	12.17	12.11	11.97	12.50
10	256QAM	25	0	12.18	12.07	11.98	12.50
10	256QAM	25	12	12.21	12.05	11.93	12.50
10	256QAM	25	25	12.07	11.95	11.98	12.50
10	256QAM	50	0	12.24	12.05	11.94	12.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	12.29	12.13	12.09	12.50
5	QPSK	1	12	12.20	12.09	12.00	12.50
5	QPSK	1	24	12.19	12.06	12.12	12.50
5	QPSK	12	0	12.29	12.11	12.12	12.50
5	QPSK	12	7	12.29	12.10	12.00	12.50
5	QPSK	12	13	12.27	12.14	11.97	12.50
5	QPSK	25	0	12.28	12.07	12.04	12.50
5	16QAM	1	0	12.27	12.11	11.98	12.50
5	16QAM	1	12	12.23	12.14	12.10	12.50
5	16QAM	1	24	12.21	12.16	12.03	12.50
5	16QAM	12	0	12.11	12.13	12.00	12.50
5	16QAM	12	7	12.13	12.01	12.01	12.50
5	16QAM	12	13	12.07	12.05	11.96	12.50
5	16QAM	25	0	12.10	12.11	12.02	12.50
5	64QAM	1	0	12.22	12.20	12.02	12.50
5	64QAM	1	12	12.18	12.15	11.96	12.50
5	64QAM	1	24	12.31	12.13	12.08	12.50
5	64QAM	12	0	12.14	12.13	11.96	12.50
5	64QAM	12	7	12.20	12.09	12.06	12.50
5	64QAM	12	13	12.30	12.15	11.98	12.50
5	64QAM	25	0	12.15	12.04	11.87	12.50
5	256QAM	1	0	12.28	12.11	11.95	12.50
5	256QAM	1	12	12.20	12.10	12.01	12.50
5	256QAM	1	24	12.18	12.09	11.90	12.50
5	256QAM	12	0	12.23	11.97	11.95	12.50
5	256QAM	12	7	12.10	11.95	11.90	12.50
5	256QAM	12	13	12.11	12.02	11.94	12.50
5	256QAM	25	0	12.23	12.15	11.92	12.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	12.26	12.14	12.16	12.50
3	QPSK	1	8	12.12	12.11	12.01	12.50
3	QPSK	1	14	12.33	12.05	12.01	12.50
3	QPSK	8	0	12.26	12.16	12.05	12.50
3	QPSK	8	4	12.20	12.10	11.98	12.50
3	QPSK	8	7	12.19	12.15	12.04	12.50
3	QPSK	15	0	12.19	12.04	11.96	12.50
3	16QAM	1	0	12.29	12.16	12.05	12.50
3	16QAM	1	8	12.29	12.17	12.06	12.50
3	16QAM	1	14	12.24	12.18	11.92	12.50
3	16QAM	8	0	12.21	12.12	12.06	12.50
3	16QAM	8	4	12.16	12.07	12.05	12.50
3	16QAM	8	7	12.16	11.99	11.93	12.50
3	16QAM	15	0	12.21	12.08	11.92	12.50
3	64QAM	1	0	12.16	12.22	12.08	12.50
3	64QAM	1	8	12.14	12.10	11.96	12.50
3	64QAM	1	14	12.31	12.19	11.99	12.50

3	64QAM	8	0	12.19	12.16	11.90	12.50
3	64QAM	8	4	12.22	12.10	11.96	12.50
3	64QAM	8	7	12.22	12.02	11.98	12.50
3	64QAM	15	0	12.14	12.12	11.86	12.50
3	256QAM	1	0	12.23	12.04	12.00	12.50
3	256QAM	1	8	12.25	12.11	11.90	12.50
3	256QAM	1	14	12.26	12.08	11.92	12.50
3	256QAM	8	0	12.18	12.00	11.97	12.50
3	256QAM	8	4	12.19	11.98	11.86	12.50
3	256QAM	8	7	12.04	11.93	11.98	12.50
3	256QAM	15	0	12.20	12.06	11.95	12.50
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	12.30	12.12	12.05	12.50
1.4	QPSK	1	3	12.13	12.10	11.94	12.50
1.4	QPSK	1	5	12.24	12.14	12.11	12.50
1.4	QPSK	3	0	12.17	12.19	12.02	12.50
1.4	QPSK	3	1	12.18	12.04	12.04	12.50
1.4	QPSK	3	3	12.28	12.11	12.05	12.50
1.4	QPSK	6	0	11.22	11.05	11.01	11.50
1.4	16QAM	1	0	11.29	11.10	11.02	11.50
1.4	16QAM	1	3	11.32	11.21	11.08	11.50
1.4	16QAM	1	5	11.28	11.11	10.95	11.50
1.4	16QAM	3	0	11.22	11.06	11.00	11.50
1.4	16QAM	3	1	11.15	11.05	10.95	11.50
1.4	16QAM	3	3	11.19	11.06	10.98	11.50
1.4	16QAM	6	0	10.15	10.04	9.90	10.50
1.4	64QAM	1	0	10.20	10.10	10.08	10.50
1.4	64QAM	1	3	10.13	10.04	9.95	10.50
1.4	64QAM	1	5	10.29	10.17	10.06	10.50
1.4	64QAM	3	0	10.18	10.08	9.96	10.50
1.4	64QAM	3	1	10.21	10.07	9.93	10.50
1.4	64QAM	3	3	10.18	10.13	9.97	10.50
1.4	64QAM	6	0	9.19	9.14	8.89	9.50
1.4	256QAM	1	0	7.24	7.09	6.92	7.50
1.4	256QAM	1	3	7.24	7.07	7.02	7.50
1.4	256QAM	1	5	7.22	7.07	6.97	7.50
1.4	256QAM	3	0	7.16	7.02	6.88	7.50
1.4	256QAM	3	1	7.22	7.01	6.93	7.50
1.4	256QAM	3	3	7.07	6.96	7.04	7.50
1.4	256QAM	6	0	7.13	7.09	7.00	7.50

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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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.69	15.60	15.63	15.70
20	QPSK	1	49	15.55	15.55	15.53	15.70
20	QPSK	1	99	15.63	15.55	15.58	15.70
20	QPSK	50	0	15.61	15.57	15.59	15.70
20	QPSK	50	24	15.60	15.53	15.53	15.70
20	QPSK	50	50	15.60	15.54	15.57	15.70
20	QPSK	100	0	15.61	15.53	15.53	15.70
20	16QAM	1	0	15.60	15.56	15.52	15.70
20	16QAM	1	49	15.66	15.60	15.57	15.70
20	16QAM	1	99	15.64	15.55	15.51	15.70
20	16QAM	50	0	15.53	15.51	15.54	15.70
20	16QAM	50	24	15.51	15.49	15.52	15.70
20	16QAM	50	50	15.50	15.48	15.45	15.70
20	16QAM	100	0	15.52	15.51	15.50	15.70
20	64QAM	1	0	15.60	15.59	15.58	15.70
20	64QAM	1	49	15.54	15.54	15.50	15.70
20	64QAM	1	99	15.64	15.59	15.57	15.70
20	64QAM	50	0	15.58	15.52	15.48	15.70
20	64QAM	50	24	15.54	15.51	15.53	15.70
20	64QAM	50	50	15.60	15.51	15.48	15.70
20	64QAM	100	0	15.56	15.52	15.45	15.70
20	256QAM	1	0	15.61	15.53	15.48	15.70
20	256QAM	1	49	15.55	15.54	15.48	15.70
20	256QAM	1	99	15.60	15.53	15.47	15.70
20	256QAM	50	0	15.53	15.46	15.46	15.70
20	256QAM	50	24	15.53	15.44	15.45	15.70
20	256QAM	50	50	15.43	15.42	15.43	15.70
20	256QAM	100	0	15.54	15.51	15.50	15.70
Channel				26115	26340	26615	Tune-up limit



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Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	15.61	15.51	15.53	15.70
15	QPSK	1	37	15.52	15.51	15.38	15.70
15	QPSK	1	74	15.53	15.41	15.45	15.70
15	QPSK	36	0	15.52	15.42	15.54	15.70
15	QPSK	36	20	15.52	15.41	15.45	15.70
15	QPSK	36	39	15.50	15.49	15.40	15.70
15	QPSK	75	0	15.47	15.39	15.42	15.70
15	16QAM	1	0	15.53	15.45	15.39	15.70
15	16QAM	1	37	15.52	15.43	15.44	15.70
15	16QAM	1	74	15.56	15.49	15.46	15.70
15	16QAM	36	0	15.46	15.41	15.50	15.70
15	16QAM	36	20	15.45	15.36	15.43	15.70
15	16QAM	36	39	15.37	15.36	15.37	15.70
15	16QAM	75	0	15.36	15.47	15.44	15.70
15	64QAM	1	0	15.56	15.50	15.46	15.70
15	64QAM	1	37	15.47	15.45	15.33	15.70
15	64QAM	1	74	15.52	15.46	15.41	15.70
15	64QAM	36	0	15.47	15.44	15.40	15.70
15	64QAM	36	20	15.51	15.39	15.48	15.70
15	64QAM	36	39	15.55	15.40	15.33	15.70
15	64QAM	75	0	15.43	15.49	15.29	15.70
15	256QAM	1	0	15.55	15.38	15.33	15.70
15	256QAM	1	37	15.45	15.42	15.34	15.70
15	256QAM	1	74	15.43	15.43	15.44	15.70
15	256QAM	36	0	15.47	15.40	15.38	15.70
15	256QAM	36	20	15.50	15.35	15.33	15.70
15	256QAM	36	39	15.32	15.26	15.31	15.70
15	256QAM	75	0	15.51	15.41	15.46	15.70
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.64	15.47	15.52	15.70
10	QPSK	1	25	15.51	15.42	15.44	15.70
10	QPSK	1	49	15.52	15.48	15.48	15.70
10	QPSK	25	0	15.46	15.49	15.55	15.70
10	QPSK	25	12	15.43	15.38	15.45	15.70
10	QPSK	25	25	15.52	15.42	15.54	15.70
10	QPSK	50	0	15.53	15.46	15.44	15.70
10	16QAM	1	0	15.43	15.42	15.43	15.70
10	16QAM	1	25	15.61	15.46	15.40	15.70
10	16QAM	1	49	15.54	15.50	15.47	15.70
10	16QAM	25	0	15.37	15.42	15.49	15.70
10	16QAM	25	12	15.46	15.44	15.45	15.70
10	16QAM	25	25	15.41	15.34	15.39	15.70
10	16QAM	50	0	15.44	15.38	15.34	15.70
10	64QAM	1	0	15.48	15.45	15.53	15.70
10	64QAM	1	25	15.48	15.39	15.39	15.70
10	64QAM	1	49	15.50	15.44	15.51	15.70
10	64QAM	25	0	15.46	15.49	15.45	15.70
10	64QAM	25	12	15.40	15.41	15.38	15.70
10	64QAM	25	25	15.48	15.43	15.43	15.70
10	64QAM	50	0	15.44	15.36	15.37	15.70
10	256QAM	1	0	15.54	15.50	15.34	15.70
10	256QAM	1	25	15.45	15.49	15.43	15.70
10	256QAM	1	49	15.50	15.45	15.39	15.70
10	256QAM	25	0	15.38	15.39	15.38	15.70
10	256QAM	25	12	15.38	15.40	15.33	15.70
10	256QAM	25	25	15.27	15.31	15.32	15.70
10	256QAM	50	0	15.37	15.36	15.33	15.70
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	15.56	15.50	15.47	15.70
5	QPSK	1	12	15.46	15.51	15.38	15.70
5	QPSK	1	24	15.59	15.50	15.48	15.70
5	QPSK	12	0	15.49	15.51	15.49	15.70
5	QPSK	12	7	15.50	15.48	15.37	15.70
5	QPSK	12	13	15.45	15.48	15.51	15.70
5	QPSK	25	0	15.48	15.46	15.38	15.70
5	16QAM	1	0	15.50	15.48	15.47	15.70
5	16QAM	1	12	15.51	15.55	15.49	15.70
5	16QAM	1	24	15.48	15.48	15.39	15.70
5	16QAM	12	0	15.46	15.44	15.44	15.70
5	16QAM	12	7	15.42	15.36	15.43	15.70
5	16QAM	12	13	15.40	15.31	15.35	15.70
5	16QAM	25	0	15.47	15.38	15.40	15.70
5	64QAM	1	0	15.49	15.55	15.43	15.70
5	64QAM	1	12	15.42	15.47	15.35	15.70
5	64QAM	1	24	15.61	15.51	15.47	15.70

5	64QAM	12	0	15.55	15.43	15.33	15.70
5	64QAM	12	7	15.41	15.44	15.48	15.70
5	64QAM	12	13	15.46	15.44	15.34	15.70
5	64QAM	25	0	15.48	15.36	15.34	15.70
5	256QAM	1	0	15.46	15.47	15.37	15.70
5	256QAM	1	12	15.47	15.40	15.36	15.70
5	256QAM	1	24	15.55	15.49	15.35	15.70
5	256QAM	12	0	15.44	15.36	15.41	15.70
5	256QAM	12	7	15.42	15.29	15.33	15.70
5	256QAM	12	13	15.35	15.28	15.40	15.70
5	256QAM	25	0	15.46	15.47	15.46	15.70
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	15.60	15.49	15.55	15.70
3	QPSK	1	8	15.44	15.51	15.45	15.70
3	QPSK	1	14	15.47	15.38	15.54	15.70
3	QPSK	8	0	15.52	15.47	15.54	15.70
3	QPSK	8	4	15.45	15.37	15.49	15.70
3	QPSK	8	7	15.47	15.38	15.43	15.70
3	QPSK	15	0	15.57	15.42	15.40	15.70
3	16QAM	1	0	15.56	15.42	15.44	15.70
3	16QAM	1	8	15.52	15.51	15.50	15.70
3	16QAM	1	14	15.48	15.40	15.36	15.70
3	16QAM	8	0	15.47	15.37	15.39	15.70
3	16QAM	8	4	15.45	15.38	15.46	15.70
3	16QAM	8	7	15.37	15.43	15.34	15.70
3	16QAM	15	0	15.40	15.41	15.42	15.70
3	64QAM	1	0	15.45	15.46	15.51	15.70
3	64QAM	1	8	15.46	15.51	15.46	15.70
3	64QAM	1	14	15.51	15.45	15.51	15.70
3	64QAM	8	0	15.48	15.35	15.34	15.70
3	64QAM	8	4	15.50	15.43	15.37	15.70
3	64QAM	8	7	15.53	15.47	15.32	15.70
3	64QAM	15	0	15.41	15.36	15.40	15.70
3	256QAM	1	0	15.51	15.47	15.40	15.70
3	256QAM	1	8	15.46	15.50	15.43	15.70
3	256QAM	1	14	15.53	15.44	15.32	15.70
3	256QAM	8	0	15.43	15.37	15.35	15.70
3	256QAM	8	4	15.48	15.28	15.33	15.70
3	256QAM	8	7	15.29	15.26	15.28	15.70
3	256QAM	15	0	15.40	15.37	15.38	15.70
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	15.66	15.52	15.55	15.70
1.4	QPSK	1	3	15.40	15.39	15.45	15.70
1.4	QPSK	1	5	15.50	15.50	15.44	15.70
1.4	QPSK	3	0	15.56	15.44	15.45	15.70
1.4	QPSK	3	1	15.56	15.48	15.48	15.70
1.4	QPSK	3	3	15.55	15.40	15.48	15.70
1.4	QPSK	6	0	15.52	15.37	15.43	15.70
1.4	16QAM	1	0	15.56	15.44	15.46	15.70
1.4	16QAM	1	3	15.51	15.52	15.43	15.70
1.4	16QAM	1	5	15.60	15.47	15.37	15.70
1.4	16QAM	3	0	15.48	15.41	15.49	15.70
1.4	16QAM	3	1	15.40	15.43	15.49	15.70
1.4	16QAM	3	3	15.40	15.40	15.31	15.70
1.4	16QAM	6	0	15.49	15.39	15.33	15.70
1.4	64QAM	1	0	15.55	15.44	15.55	15.70
1.4	64QAM	1	3	15.43	15.41	15.40	15.70
1.4	64QAM	1	5	15.53	15.48	15.50	15.70
1.4	64QAM	3	0	15.49	15.45	15.35	15.70
1.4	64QAM	3	1	15.43	15.48	15.37	15.70
1.4	64QAM	3	3	15.47	15.39	15.33	15.70
1.4	64QAM	6	0	15.41	15.39	15.41	15.70
1.4	256QAM	1	0	15.47	15.49	15.34	15.70
1.4	256QAM	1	3	15.43	15.46	15.37	15.70
1.4	256QAM	1	5	15.43	15.50	15.44	15.70
1.4	256QAM	3	0	15.47	15.34	15.43	15.70
1.4	256QAM	3	1	15.47	15.36	15.41	15.70
1.4	256QAM	3	3	15.27	15.32	15.37	15.70
1.4	256QAM	6	0	15.40	15.45	15.38	15.70

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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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.69	15.60	15.63	16.90
20	QPSK	1	49	15.55	15.55	15.53	16.90
20	QPSK	1	99	15.63	15.55	15.58	16.90
20	QPSK	50	0	15.61	15.57	15.59	16.90
20	QPSK	50	24	15.60	15.53	15.53	16.90
20	QPSK	50	50	15.60	15.54	15.57	16.90
20	QPSK	100	0	15.61	15.53	15.53	16.90
20	16QAM	1	0	15.60	15.56	15.52	16.90
20	16QAM	1	49	15.66	15.60	15.57	16.90
20	16QAM	1	99	15.64	15.55	15.51	16.90
20	16QAM	50	0	15.53	15.51	15.54	16.90
20	16QAM	50	24	15.51	15.49	15.52	16.90
20	16QAM	50	50	15.50	15.48	15.45	16.90
20	16QAM	100	0	15.52	15.51	15.50	16.90
20	64QAM	1	0	15.60	15.59	15.58	16.90
20	64QAM	1	49	15.54	15.54	15.50	16.90
20	64QAM	1	99	15.64	15.59	15.57	16.90
20	64QAM	50	0	15.58	15.52	15.48	16.90
20	64QAM	50	24	15.54	15.51	15.53	16.90
20	64QAM	50	50	15.60	15.51	15.48	16.90
20	64QAM	100	0	15.56	15.52	15.45	16.90
20	256QAM	1	0	15.61	15.53	15.48	16.90
20	256QAM	1	49	15.55	15.54	15.48	16.90
20	256QAM	1	99	15.60	15.53	15.47	16.90
20	256QAM	50	0	15.53	15.46	15.46	16.90
20	256QAM	50	24	15.53	15.44	15.45	16.90
20	256QAM	50	50	15.43	15.42	15.43	16.90
20	256QAM	100	0	15.54	15.51	15.50	16.90
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.61	15.51	15.53	16.90
15	QPSK	1	37	15.52	15.51	15.38	16.90
15	QPSK	1	74	15.53	15.41	15.45	16.90
15	QPSK	36	0	15.52	15.42	15.54	16.90
15	QPSK	36	20	15.52	15.41	15.45	16.90
15	QPSK	36	39	15.50	15.49	15.40	16.90
15	QPSK	75	0	15.47	15.39	15.42	16.90
15	16QAM	1	0	15.53	15.45	15.39	16.90
15	16QAM	1	37	15.52	15.43	15.44	16.90
15	16QAM	1	74	15.56	15.49	15.46	16.90
15	16QAM	36	0	15.46	15.41	15.50	16.90
15	16QAM	36	20	15.45	15.36	15.43	16.90
15	16QAM	36	39	15.37	15.36	15.37	16.90
15	16QAM	75	0	15.36	15.47	15.44	16.90
15	64QAM	1	0	15.56	15.50	15.46	16.90
15	64QAM	1	37	15.47	15.45	15.33	16.90
15	64QAM	1	74	15.52	15.46	15.41	16.90
15	64QAM	36	0	15.47	15.44	15.40	16.90
15	64QAM	36	20	15.51	15.39	15.48	16.90
15	64QAM	36	39	15.55	15.40	15.33	16.90
15	64QAM	75	0	15.43	15.49	15.29	16.90
15	256QAM	1	0	15.55	15.38	15.33	16.90
15	256QAM	1	37	15.45	15.42	15.34	16.90
15	256QAM	1	74	15.43	15.43	15.44	16.90
15	256QAM	36	0	15.47	15.40	15.38	16.90
15	256QAM	36	20	15.50	15.35	15.33	16.90
15	256QAM	36	39	15.32	15.26	15.31	16.90
15	256QAM	75	0	15.51	15.41	15.46	16.90
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.64	15.47	15.52	16.90
10	QPSK	1	25	15.51	15.42	15.44	16.90
10	QPSK	1	49	15.52	15.48	15.48	16.90
10	QPSK	25	0	15.46	15.49	15.55	16.90
10	QPSK	25	12	15.43	15.38	15.45	16.90
10	QPSK	25	25	15.52	15.42	15.54	16.90
10	QPSK	50	0	15.53	15.46	15.44	16.90
10	16QAM	1	0	15.43	15.42	15.43	16.90
10	16QAM	1	25	15.61	15.46	15.40	16.90
10	16QAM	1	49	15.54	15.50	15.47	16.90
10	16QAM	25	0	15.37	15.42	15.49	16.90



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10	16QAM	25	12	15.46	15.44	15.45	16.90
10	16QAM	25	25	15.41	15.34	15.39	16.90
10	16QAM	50	0	15.44	15.38	15.34	16.90
10	64QAM	1	0	15.48	15.45	15.53	16.90
10	64QAM	1	25	15.48	15.39	15.39	16.90
10	64QAM	1	49	15.50	15.44	15.51	16.90
10	64QAM	25	0	15.46	15.49	15.45	16.90
10	64QAM	25	12	15.40	15.41	15.38	16.90
10	64QAM	25	25	15.48	15.43	15.43	16.90
10	64QAM	50	0	15.44	15.36	15.37	16.90
10	256QAM	1	0	15.54	15.50	15.34	16.90
10	256QAM	1	25	15.45	15.49	15.43	16.90
10	256QAM	1	49	15.50	15.45	15.39	16.90
10	256QAM	25	0	15.38	15.39	15.38	16.90
10	256QAM	25	12	15.38	15.40	15.33	16.90
10	256QAM	25	25	15.27	15.31	15.32	16.90
10	256QAM	50	0	15.37	15.36	15.33	16.90
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	15.56	15.50	15.47	16.90
5	QPSK	1	12	15.46	15.51	15.38	16.90
5	QPSK	1	24	15.59	15.50	15.48	16.90
5	QPSK	12	0	15.49	15.51	15.49	16.90
5	QPSK	12	7	15.50	15.48	15.37	16.90
5	QPSK	12	13	15.45	15.48	15.51	16.90
5	QPSK	25	0	15.48	15.46	15.38	16.90
5	16QAM	1	0	15.50	15.48	15.47	16.90
5	16QAM	1	12	15.51	15.55	15.49	16.90
5	16QAM	1	24	15.48	15.48	15.39	16.90
5	16QAM	12	0	15.46	15.44	15.44	16.90
5	16QAM	12	7	15.42	15.36	15.43	16.90
5	16QAM	12	13	15.40	15.31	15.35	16.90
5	16QAM	25	0	15.47	15.38	15.40	16.90
5	64QAM	1	0	15.49	15.55	15.43	16.90
5	64QAM	1	12	15.42	15.47	15.35	16.90
5	64QAM	1	24	15.61	15.51	15.47	16.90
5	64QAM	12	0	15.55	15.43	15.33	16.90
5	64QAM	12	7	15.41	15.44	15.48	16.90
5	64QAM	12	13	15.46	15.44	15.34	16.90
5	64QAM	25	0	15.48	15.36	15.34	16.90
5	256QAM	1	0	15.46	15.47	15.37	16.90
5	256QAM	1	12	15.47	15.40	15.36	16.90
5	256QAM	1	24	15.55	15.49	15.35	16.90
5	256QAM	12	0	15.44	15.36	15.41	16.90
5	256QAM	12	7	15.42	15.29	15.33	16.90
5	256QAM	12	13	15.35	15.28	15.40	16.90
5	256QAM	25	0	15.46	15.47	15.46	16.90
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	15.60	15.49	15.55	16.90
3	QPSK	1	8	15.44	15.51	15.45	16.90
3	QPSK	1	14	15.47	15.38	15.54	16.90
3	QPSK	8	0	15.52	15.47	15.54	16.90
3	QPSK	8	4	15.45	15.37	15.49	16.90
3	QPSK	8	7	15.47	15.38	15.43	16.90
3	QPSK	15	0	15.57	15.42	15.40	16.90
3	16QAM	1	0	15.56	15.42	15.44	16.90
3	16QAM	1	8	15.52	15.51	15.50	16.90
3	16QAM	1	14	15.48	15.40	15.36	16.90
3	16QAM	8	0	15.47	15.37	15.39	16.90
3	16QAM	8	4	15.45	15.38	15.46	16.90
3	16QAM	8	7	15.37	15.43	15.34	16.90
3	16QAM	15	0	15.40	15.41	15.42	16.90
3	64QAM	1	0	15.45	15.46	15.51	16.90
3	64QAM	1	8	15.46	15.51	15.46	16.90
3	64QAM	1	14	15.51	15.45	15.51	16.90
3	64QAM	8	0	15.48	15.35	15.34	16.90
3	64QAM	8	4	15.50	15.43	15.37	16.90
3	64QAM	8	7	15.53	15.47	15.32	16.90
3	64QAM	15	0	15.41	15.36	15.40	16.90
3	256QAM	1	0	15.51	15.47	15.40	16.90
3	256QAM	1	8	15.46	15.50	15.43	16.90
3	256QAM	1	14	15.53	15.44	15.32	16.90
3	256QAM	8	0	15.43	15.37	15.35	16.90
3	256QAM	8	4	15.48	15.28	15.33	16.90
3	256QAM	8	7	15.29	15.26	15.28	16.90
3	256QAM	15	0	15.40	15.37	15.38	16.90
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	15.66	15.52	15.55	16.90
1.4	QPSK	1	3	15.40	15.39	15.45	16.90
1.4	QPSK	1	5	15.50	15.50	15.44	16.90
1.4	QPSK	3	0	15.56	15.44	15.45	16.90
1.4	QPSK	3	1	15.56	15.48	15.48	16.90
1.4	QPSK	3	3	15.55	15.40	15.48	16.90
1.4	QPSK	6	0	15.52	15.37	15.43	16.90
1.4	16QAM	1	0	15.56	15.44	15.46	16.90
1.4	16QAM	1	3	15.51	15.52	15.43	16.90
1.4	16QAM	1	5	15.60	15.47	15.37	16.90
1.4	16QAM	3	0	15.48	15.41	15.49	16.90
1.4	16QAM	3	1	15.40	15.43	15.49	16.90
1.4	16QAM	3	3	15.40	15.40	15.31	16.90
1.4	16QAM	6	0	15.49	15.39	15.33	16.90
1.4	64QAM	1	0	15.55	15.44	15.55	16.90
1.4	64QAM	1	3	15.43	15.41	15.40	16.90
1.4	64QAM	1	5	15.53	15.48	15.50	16.90
1.4	64QAM	3	0	15.49	15.45	15.35	16.90
1.4	64QAM	3	1	15.43	15.48	15.37	16.90
1.4	64QAM	3	3	15.47	15.39	15.33	16.90
1.4	64QAM	6	0	15.41	15.39	15.41	16.90
1.4	256QAM	1	0	15.47	15.49	15.34	16.90
1.4	256QAM	1	3	15.43	15.46	15.37	16.90
1.4	256QAM	1	5	15.43	15.50	15.44	16.90
1.4	256QAM	3	0	15.47	15.34	15.43	16.90
1.4	256QAM	3	1	15.47	15.36	15.41	16.90
1.4	256QAM	3	3	15.27	15.32	15.37	16.90
1.4	256QAM	6	0	15.40	15.45	15.38	16.90

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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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	24.27	24.22	24.11	25.20
20	QPSK	1	49	23.97	23.99	23.78	25.20
20	QPSK	1	99	24.15	24.17	23.99	25.20
20	QPSK	50	0	23.55	23.54	23.41	24.20
20	QPSK	50	24	23.52	23.48	23.30	24.20
20	QPSK	50	50	23.46	23.50	23.30	24.20
20	QPSK	100	0	23.53	23.52	23.33	24.20
20	16QAM	1	0	23.72	23.77	23.68	24.20
20	16QAM	1	49	23.70	23.76	23.51	24.20
20	16QAM	1	99	23.71	23.77	23.50	24.20
20	16QAM	50	0	22.46	22.49	22.31	23.20
20	16QAM	50	24	22.48	22.47	22.27	23.20
20	16QAM	50	50	22.49	22.43	22.24	23.20
20	16QAM	100	0	22.48	22.42	22.27	23.20
20	64QAM	1	0	22.72	22.73	22.47	23.20
20	64QAM	1	49	22.64	22.70	22.52	23.20
20	64QAM	1	99	22.74	22.68	22.33	23.20
20	64QAM	50	0	21.50	21.51	21.35	22.20
20	64QAM	50	24	21.50	21.51	21.28	22.20
20	64QAM	50	50	21.50	21.44	21.30	22.20
20	64QAM	100	0	21.48	21.46	21.31	22.20
20	256QAM	1	0	19.66	19.63	19.48	20.20
20	256QAM	1	49	19.24	19.22	19.17	20.20
20	256QAM	1	99	19.58	19.55	19.42	20.20
20	256QAM	50	0	19.44	19.47	19.32	20.20
20	256QAM	50	24	19.39	19.46	19.30	20.20
20	256QAM	50	50	19.47	19.40	19.27	20.20
20	256QAM	100	0	19.47	19.53	19.31	20.20
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	24.21	24.09	23.98	25.20
15	QPSK	1	37	23.95	23.89	23.77	25.20
15	QPSK	1	74	24.06	24.06	23.92	25.20
15	QPSK	36	0	23.46	23.48	23.36	24.20
15	QPSK	36	20	23.50	23.43	23.20	24.20
15	QPSK	36	39	23.45	23.40	23.20	24.20
15	QPSK	75	0	23.45	23.47	23.30	24.20
15	16QAM	1	0	23.71	23.75	23.59	24.20
15	16QAM	1	37	23.58	23.74	23.38	24.20
15	16QAM	1	74	23.57	23.70	23.47	24.20
15	16QAM	36	0	22.42	22.44	22.28	23.20



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15	16QAM	36	20	22.38	22.33	22.17	23.20
15	16QAM	36	39	22.37	22.34	22.12	23.20
15	16QAM	75	0	22.39	22.38	22.14	23.20
15	64QAM	1	0	22.70	22.64	22.39	23.20
15	64QAM	1	37	22.56	22.69	22.37	23.20
15	64QAM	1	74	22.71	22.67	22.22	23.20
15	64QAM	36	0	21.42	21.45	21.25	22.20
15	64QAM	36	20	21.37	21.49	21.26	22.20
15	64QAM	36	39	21.48	21.40	21.24	22.20
15	64QAM	75	0	21.39	21.34	21.18	22.20
15	256QAM	1	0	19.53	19.61	19.45	20.20
15	256QAM	1	37	19.16	19.12	19.11	20.20
15	256QAM	1	74	19.52	19.41	19.33	20.20
15	256QAM	36	0	19.40	19.36	19.21	20.20
15	256QAM	36	20	19.26	19.31	19.18	20.20
15	256QAM	36	39	19.40	19.37	19.25	20.20
15	256QAM	75	0	19.43	19.51	19.24	20.20
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	24.17	24.05	23.94	25.20
10	QPSK	1	25	23.83	23.90	23.74	25.20
10	QPSK	1	49	24.02	24.13	23.92	25.20
10	QPSK	25	0	23.54	23.44	23.27	24.20
10	QPSK	25	12	23.39	23.40	23.15	24.20
10	QPSK	25	25	23.39	23.47	23.25	24.20
10	QPSK	50	0	23.50	23.40	23.25	24.20
10	16QAM	1	0	23.66	23.67	23.56	24.20
10	16QAM	1	25	23.68	23.64	23.37	24.20
10	16QAM	1	49	23.62	23.75	23.45	24.20
10	16QAM	25	0	22.39	22.45	22.23	23.20
10	16QAM	25	12	22.41	22.45	22.25	23.20
10	16QAM	25	25	22.40	22.33	22.10	23.20
10	16QAM	50	0	22.42	22.40	22.14	23.20
10	64QAM	1	0	22.59	22.62	22.44	23.20
10	64QAM	1	25	22.62	22.63	22.42	23.20
10	64QAM	1	49	22.61	22.64	22.27	23.20
10	64QAM	25	0	21.42	21.39	21.29	22.20
10	64QAM	25	12	21.47	21.48	21.26	22.20
10	64QAM	25	25	21.41	21.39	21.21	22.20
10	64QAM	50	0	21.34	21.42	21.21	22.20
10	256QAM	1	0	19.58	19.50	19.38	20.20
10	256QAM	1	25	19.22	19.10	19.14	20.20
10	256QAM	1	49	19.54	19.43	19.29	20.20
10	256QAM	25	0	19.30	19.43	19.29	20.20
10	256QAM	25	12	19.29	19.32	19.16	20.20
10	256QAM	25	25	19.36	19.32	19.14	20.20
10	256QAM	50	0	19.38	19.52	19.28	20.20
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	24.21	24.12	23.97	25.20
5	QPSK	1	12	23.88	23.95	23.72	25.20
5	QPSK	1	24	24.02	24.15	23.94	25.20
5	QPSK	12	0	23.43	23.51	23.29	24.20
5	QPSK	12	7	23.38	23.34	23.28	24.20
5	QPSK	12	13	23.33	23.45	23.25	24.20
5	QPSK	25	0	23.38	23.48	23.21	24.20
5	16QAM	1	0	23.64	23.69	23.59	24.20
5	16QAM	1	12	23.63	23.63	23.42	24.20
5	16QAM	1	24	23.66	23.63	23.47	24.20
5	16QAM	12	0	22.39	22.46	22.25	23.20
5	16QAM	12	7	22.42	22.43	22.20	23.20
5	16QAM	12	13	22.37	22.34	22.20	23.20
5	16QAM	25	0	22.40	22.37	22.15	23.20
5	64QAM	1	0	22.70	22.65	22.38	23.20
5	64QAM	1	12	22.59	22.56	22.49	23.20
5	64QAM	1	24	22.69	22.61	22.28	23.20
5	64QAM	12	0	21.42	21.40	21.26	22.20
5	64QAM	12	7	21.38	21.45	21.14	22.20
5	64QAM	12	13	21.48	21.32	21.22	22.20
5	64QAM	25	0	21.40	21.31	21.26	22.20
5	256QAM	1	0	19.62	19.51	19.37	20.20
5	256QAM	1	12	19.10	19.08	19.06	20.20
5	256QAM	1	24	19.43	19.45	19.35	20.20
5	256QAM	12	0	19.31	19.38	19.25	20.20
5	256QAM	12	7	19.35	19.38	19.28	20.20
5	256QAM	12	13	19.37	19.39	19.26	20.20
5	256QAM	25	0	19.45	19.45	19.19	20.20
Channel				26055	26340	26675	Tune-up limit

Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	24.22	24.13	24.04	25.20
3	QPSK	1	8	23.82	23.95	23.76	25.20
3	QPSK	1	14	24.13	24.10	23.97	25.20
3	QPSK	8	0	23.43	23.49	23.30	24.20
3	QPSK	8	4	23.42	23.38	23.17	24.20
3	QPSK	8	7	23.37	23.42	23.24	24.20
3	QPSK	15	0	23.43	23.37	23.20	24.20
3	16QAM	1	0	23.58	23.72	23.59	24.20
3	16QAM	1	8	23.63	23.64	23.42	24.20
3	16QAM	1	14	23.67	23.76	23.46	24.20
3	16QAM	8	0	22.43	22.38	22.23	23.20
3	16QAM	8	4	22.37	22.45	22.20	23.20
3	16QAM	8	7	22.47	22.40	22.15	23.20
3	16QAM	15	0	22.37	22.36	22.17	23.20
3	64QAM	1	0	22.57	22.65	22.37	23.20
3	64QAM	1	8	22.56	22.65	22.44	23.20
3	64QAM	1	14	22.68	22.54	22.30	23.20
3	64QAM	8	0	21.49	21.39	21.20	22.20
3	64QAM	8	4	21.47	21.41	21.20	22.20
3	64QAM	8	7	21.36	21.43	21.24	22.20
3	64QAM	15	0	21.36	21.33	21.24	22.20
3	256QAM	1	0	19.51	19.53	19.35	20.20
3	256QAM	1	8	19.15	19.17	19.08	20.20
3	256QAM	1	14	19.53	19.48	19.31	20.20
3	256QAM	8	0	19.38	19.34	19.30	20.20
3	256QAM	8	4	19.30	19.33	19.29	20.20
3	256QAM	8	7	19.36	19.28	19.23	20.20
3	256QAM	15	0	19.43	19.44	19.25	20.20
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	24.10	24.05	24.05	25.20
1.4	QPSK	1	3	23.92	23.93	23.71	25.20
1.4	QPSK	1	5	24.03	24.07	23.88	25.20
1.4	QPSK	3	0	24.00	24.02	23.88	25.20
1.4	QPSK	3	1	23.99	23.94	23.78	25.20
1.4	QPSK	3	3	23.84	23.86	23.77	25.20
1.4	QPSK	6	0	23.47	23.47	23.22	24.20
1.4	16QAM	1	0	23.58	23.67	23.57	24.20
1.4	16QAM	1	3	23.66	23.70	23.37	24.20
1.4	16QAM	1	5	23.64	23.64	23.40	24.20
1.4	16QAM	3	0	22.63	22.55	22.44	24.20
1.4	16QAM	3	1	22.56	22.60	22.40	24.20
1.4	16QAM	3	3	22.58	22.56	22.44	24.20
1.4	16QAM	6	0	22.43	22.30	22.17	23.20
1.4	64QAM	1	0	22.67	22.61	22.39	23.20
1.4	64QAM	1	3	22.63	22.56	22.50	23.20
1.4	64QAM	1	5	22.66	22.53	22.25	23.20
1.4	64QAM	3	0	21.57	21.59	21.53	23.20
1.4	64QAM	3	1	21.61	21.65	21.40	23.20
1.4	64QAM	3	3	21.59	21.51	21.46	23.20
1.4	64QAM	6	0	21.41	21.43	21.21	22.20
1.4	256QAM	1	0	19.60	19.50	19.40	20.20
1.4	256QAM	1	3	19.23	19.16	19.06	20.20
1.4	256QAM	1	5	19.49	19.46	19.40	20.20
1.4	256QAM	3	0	19.31	19.45	19.18	20.20
1.4	256QAM	3	1	19.28	19.45	19.26	20.20
1.4	256QAM	3	3	19.45	19.36	19.21	20.20
1.4	256QAM	6	0	19.34	19.48	19.21	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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.18	22.15	22.01	23.70
20	QPSK	1	49	21.90	21.90	21.74	23.70
20	QPSK	1	99	22.11	22.06	21.88	23.70
20	QPSK	50	0	22.14	22.13	21.97	23.70
20	QPSK	50	24	22.12	22.10	21.92	23.70
20	QPSK	50	50	22.13	22.05	21.93	23.70
20	QPSK	100	0	22.10	22.08	21.96	23.70
20	16QAM	1	0	22.06	22.14	22.10	23.70
20	16QAM	1	49	22.10	22.14	22.11	23.70
20	16QAM	1	99	22.07	22.05	22.03	23.70
20	16QAM	50	0	21.85	21.87	21.85	23.20



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20	16QAM	50	24	21.82	21.81	21.83	23.20
20	16QAM	50	50	21.79	21.78	21.80	23.20
20	16QAM	100	0	21.81	21.80	21.80	23.20
20	64QAM	1	0	22.02	22.09	22.06	23.20
20	64QAM	1	49	21.97	22.01	21.95	23.20
20	64QAM	1	99	22.00	21.98	21.88	23.20
20	64QAM	50	0	21.44	21.45	21.28	22.20
20	64QAM	50	24	21.43	21.44	21.25	22.20
20	64QAM	50	50	21.42	21.39	21.24	22.20
20	64QAM	100	0	21.40	21.38	21.24	22.20
20	256QAM	1	0	19.58	19.64	19.46	20.20
20	256QAM	1	49	19.17	19.13	18.99	20.20
20	256QAM	1	99	19.58	19.48	19.37	20.20
20	256QAM	50	0	19.44	19.40	19.23	20.20
20	256QAM	50	24	19.37	19.38	19.21	20.20
20	256QAM	50	50	19.36	19.35	19.21	20.20
20	256QAM	100	0	19.45	19.43	19.25	20.20
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	22.05	22.06	21.91	23.70
15	QPSK	1	37	21.85	21.87	21.62	23.70
15	QPSK	1	74	22.02	21.98	21.77	23.70
15	QPSK	36	0	22.09	22.06	21.95	23.70
15	QPSK	36	20	22.09	22.07	21.87	23.70
15	QPSK	36	39	22.01	22.03	21.83	23.70
15	QPSK	75	0	22.03	21.96	21.84	23.70
15	16QAM	1	0	22.04	22.00	22.01	23.70
15	16QAM	1	37	21.96	22.00	22.09	23.70
15	16QAM	1	74	21.98	21.90	21.90	23.70
15	16QAM	36	0	21.75	21.78	21.74	23.20
15	16QAM	36	20	21.78	21.76	21.71	23.20
15	16QAM	36	39	21.73	21.73	21.72	23.20
15	16QAM	75	0	21.74	21.75	21.68	23.20
15	64QAM	1	0	21.96	21.95	21.95	23.20
15	64QAM	1	37	21.89	21.95	21.83	23.20
15	64QAM	1	74	21.96	21.97	21.82	23.20
15	64QAM	36	0	21.42	21.42	21.26	22.20
15	64QAM	36	20	21.28	21.40	21.17	22.20
15	64QAM	36	39	21.39	21.28	21.11	22.20
15	64QAM	75	0	21.29	21.31	21.12	22.20
15	256QAM	1	0	19.46	19.62	19.40	20.20
15	256QAM	1	37	19.10	19.05	18.97	20.20
15	256QAM	1	74	19.53	19.35	19.30	20.20
15	256QAM	36	0	19.39	19.35	19.17	20.20
15	256QAM	36	20	19.28	19.27	19.15	20.20
15	256QAM	36	39	19.32	19.30	19.19	20.20
15	256QAM	75	0	19.40	19.37	19.10	20.20
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.07	22.06	21.96	23.70
10	QPSK	1	25	21.80	21.78	21.70	23.70
10	QPSK	1	49	22.05	21.99	21.73	23.70
10	QPSK	25	0	22.11	22.11	21.89	23.70
10	QPSK	25	12	21.97	22.02	21.83	23.70
10	QPSK	25	25	22.09	21.93	21.85	23.70
10	QPSK	50	0	21.96	22.02	21.84	23.70
10	16QAM	1	0	21.97	22.06	22.03	23.70
10	16QAM	1	25	22.02	22.10	22.01	23.70
10	16QAM	1	49	21.92	22.03	21.92	23.70
10	16QAM	25	0	21.74	21.83	21.77	23.20
10	16QAM	25	12	21.80	21.66	21.71	23.20
10	16QAM	25	25	21.69	21.64	21.75	23.20
10	16QAM	50	0	21.75	21.74	21.66	23.20
10	64QAM	1	0	21.99	22.07	22.05	23.20
10	64QAM	1	25	21.90	21.92	21.91	23.20
10	64QAM	1	49	21.95	21.90	21.77	23.20
10	64QAM	25	0	21.35	21.35	21.15	22.20
10	64QAM	25	12	21.31	21.41	21.12	22.20
10	64QAM	25	25	21.39	21.25	21.19	22.20
10	64QAM	50	0	21.36	21.26	21.13	22.20
10	256QAM	1	0	19.55	19.49	19.45	20.20
10	256QAM	1	25	19.16	19.03	18.90	20.20
10	256QAM	1	49	19.49	19.38	19.23	20.20
10	256QAM	25	0	19.43	19.37	19.12	20.20
10	256QAM	25	12	19.35	19.31	19.11	20.20
10	256QAM	25	25	19.32	19.31	19.09	20.20
10	256QAM	50	0	19.36	19.38	19.22	20.20
Channel				26065	26340	26665	Tune-up limit



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Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.11	22.05	21.90	23.70
5	QPSK	1	12	21.78	21.76	21.73	23.70
5	QPSK	1	24	22.09	21.91	21.75	23.70
5	QPSK	12	0	22.06	21.99	21.84	23.70
5	QPSK	12	7	22.07	21.99	21.80	23.70
5	QPSK	12	13	22.10	21.99	21.88	23.70
5	QPSK	25	0	22.08	22.04	21.84	23.70
5	16QAM	1	0	21.93	22.09	22.06	23.70
5	16QAM	1	12	22.07	22.09	21.99	23.70
5	16QAM	1	24	21.95	21.95	21.91	23.70
5	16QAM	12	0	21.73	21.80	21.72	23.20
5	16QAM	12	7	21.68	21.77	21.79	23.20
5	16QAM	12	13	21.75	21.74	21.68	23.20
5	16QAM	25	0	21.74	21.75	21.77	23.20
5	64QAM	1	0	21.90	21.97	21.97	23.20
5	64QAM	1	12	21.83	21.89	21.88	23.20
5	64QAM	1	24	21.90	21.87	21.76	23.20
5	64QAM	12	0	21.35	21.34	21.25	22.20
5	64QAM	12	7	21.35	21.37	21.23	22.20
5	64QAM	12	13	21.28	21.37	21.22	22.20
5	64QAM	25	0	21.33	21.32	21.19	22.20
5	256QAM	1	0	19.47	19.59	19.32	20.20
5	256QAM	1	12	19.10	19.10	18.89	20.20
5	256QAM	1	24	19.46	19.33	19.28	20.20
5	256QAM	12	0	19.39	19.34	19.21	20.20
5	256QAM	12	7	19.27	19.28	19.15	20.20
5	256QAM	12	13	19.27	19.23	19.18	20.20
5	256QAM	25	0	19.37	19.34	19.11	20.20
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.09	22.06	21.96	23.70
3	QPSK	1	8	21.88	21.88	21.66	23.70
3	QPSK	1	14	22.04	22.00	21.74	23.70
3	QPSK	8	0	22.10	22.05	21.94	23.70
3	QPSK	8	4	22.00	21.96	21.82	23.70
3	QPSK	8	7	22.07	21.97	21.87	23.70
3	QPSK	15	0	21.98	22.03	21.89	23.70
3	16QAM	1	0	21.99	22.06	21.99	23.70
3	16QAM	1	8	22.07	22.06	22.10	23.70
3	16QAM	1	14	21.93	21.96	21.96	23.70
3	16QAM	8	0	21.84	21.77	21.80	23.20
3	16QAM	8	4	21.70	21.71	21.70	23.20
3	16QAM	8	7	21.68	21.71	21.73	23.20
3	16QAM	15	0	21.67	21.65	21.69	23.20
3	64QAM	1	0	21.90	21.98	21.93	23.20
3	64QAM	1	8	21.92	21.99	21.89	23.20
3	64QAM	1	14	21.95	21.96	21.85	23.20
3	64QAM	8	0	21.32	21.31	21.22	22.20
3	64QAM	8	4	21.42	21.29	21.15	22.20
3	64QAM	8	7	21.29	21.36	21.11	22.20
3	64QAM	15	0	21.32	21.27	21.23	22.20
3	256QAM	1	0	19.45	19.62	19.38	20.20
3	256QAM	1	8	19.14	19.02	18.97	20.20
3	256QAM	1	14	19.50	19.36	19.36	20.20
3	256QAM	8	0	19.33	19.37	19.20	20.20
3	256QAM	8	4	19.27	19.35	19.08	20.20
3	256QAM	8	7	19.25	19.23	19.11	20.20
3	256QAM	15	0	19.34	19.33	19.21	20.20
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	22.04	22.10	21.90	23.70
1.4	QPSK	1	3	21.87	21.78	21.70	23.70
1.4	QPSK	1	5	22.04	22.02	21.77	23.70
1.4	QPSK	3	0	22.10	22.04	21.90	23.70
1.4	QPSK	3	1	21.97	22.00	21.80	23.70
1.4	QPSK	3	3	21.99	21.97	21.78	23.70
1.4	QPSK	6	0	22.06	22.04	21.86	23.70
1.4	16QAM	1	0	21.96	22.13	21.97	23.70
1.4	16QAM	1	3	22.04	22.01	21.96	23.70
1.4	16QAM	1	5	21.99	22.03	21.94	23.70
1.4	16QAM	3	0	21.72	21.81	21.72	23.20
1.4	16QAM	3	1	21.78	21.78	21.74	23.20
1.4	16QAM	3	3	21.69	21.70	21.69	23.20
1.4	16QAM	6	0	21.74	21.70	21.77	23.20
1.4	64QAM	1	0	21.91	21.98	21.97	23.20
1.4	64QAM	1	3	21.85	21.88	21.94	23.20
1.4	64QAM	1	5	21.95	21.87	21.79	23.20

1.4	64QAM	3	0	21.31	21.42	21.25	22.20
1.4	64QAM	3	1	21.41	21.38	21.19	22.20
1.4	64QAM	3	3	21.31	21.37	21.11	22.20
1.4	64QAM	6	0	21.38	21.36	21.09	22.20
1.4	256QAM	1	0	19.50	19.63	19.34	20.20
1.4	256QAM	1	3	19.05	19.02	18.90	20.20
1.4	256QAM	1	5	19.54	19.37	19.27	20.20
1.4	256QAM	3	0	19.33	19.36	19.10	20.20
1.4	256QAM	3	1	19.35	19.26	19.12	20.20
1.4	256QAM	3	3	19.30	19.30	19.10	20.20
1.4	256QAM	6	0	19.39	19.39	19.21	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	22.18	22.15	22.01	22.20
20	QPSK	1	49	21.90	21.90	21.74	22.20
20	QPSK	1	99	22.11	22.06	21.88	22.20
20	QPSK	50	0	22.14	22.13	21.97	22.20
20	QPSK	50	24	22.12	22.10	21.92	22.20
20	QPSK	50	50	22.13	22.05	21.93	22.20
20	QPSK	100	0	22.10	22.08	21.96	22.20
20	16QAM	1	0	22.06	22.14	22.10	22.20
20	16QAM	1	49	22.10	22.14	22.11	22.20
20	16QAM	1	99	22.07	22.05	22.03	22.20
20	16QAM	50	0	21.85	21.87	21.85	22.20
20	16QAM	50	24	21.82	21.81	21.83	22.20
20	16QAM	50	50	21.79	21.78	21.80	22.20
20	16QAM	100	0	21.81	21.80	21.80	22.20
20	64QAM	1	0	22.02	22.09	22.06	22.20
20	64QAM	1	49	21.97	22.01	21.95	22.20
20	64QAM	1	99	22.00	21.98	21.88	22.20
20	64QAM	50	0	21.44	21.45	21.28	22.20
20	64QAM	50	24	21.43	21.44	21.25	22.20
20	64QAM	50	50	21.42	21.39	21.24	22.20
20	64QAM	100	0	21.40	21.38	21.24	22.20
20	256QAM	1	0	19.58	19.64	19.46	20.20
20	256QAM	1	49	19.17	19.13	18.99	20.20
20	256QAM	1	99	19.58	19.48	19.37	20.20
20	256QAM	50	0	19.44	19.40	19.23	20.20
20	256QAM	50	24	19.37	19.38	19.21	20.20
20	256QAM	50	50	19.36	19.35	19.21	20.20
20	256QAM	100	0	19.45	19.43	19.25	20.20
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.05	22.06	21.91	22.20
15	QPSK	1	37	21.85	21.87	21.62	22.20
15	QPSK	1	74	22.02	21.98	21.77	22.20
15	QPSK	36	0	22.09	22.06	21.95	22.20
15	QPSK	36	20	22.09	22.07	21.87	22.20
15	QPSK	36	39	22.01	22.03	21.83	22.20
15	QPSK	75	0	22.03	21.96	21.84	22.20
15	16QAM	1	0	22.04	22.00	22.01	22.20
15	16QAM	1	37	21.96	22.00	22.09	22.20
15	16QAM	1	74	21.98	21.90	21.90	22.20
15	16QAM	36	0	21.75	21.78	21.74	22.20
15	16QAM	36	20	21.78	21.76	21.71	22.20
15	16QAM	36	39	21.73	21.73	21.72	22.20
15	16QAM	75	0	21.74	21.75	21.68	22.20
15	64QAM	1	0	21.96	21.95	21.95	22.20
15	64QAM	1	37	21.89	21.95	21.83	22.20
15	64QAM	1	74	21.96	21.97	21.82	22.20
15	64QAM	36	0	21.42	21.42	21.26	22.20
15	64QAM	36	20	21.28	21.40	21.17	22.20
15	64QAM	36	39	21.39	21.28	21.11	22.20
15	64QAM	75	0	21.29	21.31	21.12	22.20
15	256QAM	1	0	19.46	19.62	19.40	20.20
15	256QAM	1	37	19.10	19.05	18.97	20.20
15	256QAM	1	74	19.53	19.35	19.30	20.20
15	256QAM	36	0	19.39	19.35	19.17	20.20
15	256QAM	36	20	19.28	19.27	19.15	20.20
15	256QAM	36	39	19.32	19.30	19.19	20.20
15	256QAM	75	0	19.40	19.37	19.10	20.20
Channel				26090	26340	26640	Tune-up limit



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Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	22.07	22.06	21.96	22.20
10	QPSK	1	25	21.80	21.78	21.70	22.20
10	QPSK	1	49	22.05	21.99	21.73	22.20
10	QPSK	25	0	22.11	22.11	21.89	22.20
10	QPSK	25	12	21.97	22.02	21.83	22.20
10	QPSK	25	25	22.09	21.93	21.85	22.20
10	QPSK	50	0	21.96	22.02	21.84	22.20
10	16QAM	1	0	21.97	22.06	22.03	22.20
10	16QAM	1	25	22.02	22.10	22.01	22.20
10	16QAM	1	49	21.92	22.03	21.92	22.20
10	16QAM	25	0	21.74	21.83	21.77	22.20
10	16QAM	25	12	21.80	21.66	21.71	22.20
10	16QAM	25	25	21.69	21.64	21.75	22.20
10	16QAM	50	0	21.75	21.74	21.66	22.20
10	64QAM	1	0	21.99	22.07	22.05	22.20
10	64QAM	1	25	21.90	21.92	21.91	22.20
10	64QAM	1	49	21.95	21.90	21.77	22.20
10	64QAM	25	0	21.35	21.35	21.15	22.20
10	64QAM	25	12	21.31	21.41	21.12	22.20
10	64QAM	25	25	21.39	21.25	21.19	22.20
10	64QAM	50	0	21.36	21.26	21.13	22.20
10	256QAM	1	0	19.55	19.49	19.45	20.20
10	256QAM	1	25	19.16	19.03	18.90	20.20
10	256QAM	1	49	19.49	19.38	19.23	20.20
10	256QAM	25	0	19.43	19.37	19.12	20.20
10	256QAM	25	12	19.35	19.31	19.11	20.20
10	256QAM	25	25	19.32	19.31	19.09	20.20
10	256QAM	50	0	19.36	19.38	19.22	20.20
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	22.11	22.05	21.90	22.20
5	QPSK	1	12	21.78	21.76	21.73	22.20
5	QPSK	1	24	22.09	21.91	21.75	22.20
5	QPSK	12	0	22.06	21.99	21.84	22.20
5	QPSK	12	7	22.07	21.99	21.80	22.20
5	QPSK	12	13	22.10	21.99	21.88	22.20
5	QPSK	25	0	22.08	22.04	21.84	22.20
5	16QAM	1	0	21.93	22.09	22.06	22.20
5	16QAM	1	12	22.07	22.09	21.99	22.20
5	16QAM	1	24	21.95	21.95	21.91	22.20
5	16QAM	12	0	21.73	21.80	21.72	22.20
5	16QAM	12	7	21.68	21.77	21.79	22.20
5	16QAM	12	13	21.75	21.74	21.68	22.20
5	16QAM	25	0	21.74	21.75	21.77	22.20
5	64QAM	1	0	21.90	21.97	21.97	22.20
5	64QAM	1	12	21.83	21.89	21.88	22.20
5	64QAM	1	24	21.90	21.87	21.76	22.20
5	64QAM	12	0	21.35	21.34	21.25	22.20
5	64QAM	12	7	21.35	21.37	21.23	22.20
5	64QAM	12	13	21.28	21.37	21.22	22.20
5	64QAM	25	0	21.33	21.32	21.19	22.20
5	256QAM	1	0	19.47	19.59	19.32	20.20
5	256QAM	1	12	19.10	19.10	18.89	20.20
5	256QAM	1	24	19.46	19.33	19.28	20.20
5	256QAM	12	0	19.39	19.34	19.21	20.20
5	256QAM	12	7	19.27	19.28	19.15	20.20
5	256QAM	12	13	19.27	19.23	19.18	20.20
5	256QAM	25	0	19.37	19.34	19.11	20.20
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	22.09	22.06	21.96	22.20
3	QPSK	1	8	21.88	21.88	21.66	22.20
3	QPSK	1	14	22.04	22.00	21.74	22.20
3	QPSK	8	0	22.10	22.05	21.94	22.20
3	QPSK	8	4	22.00	21.96	21.82	22.20
3	QPSK	8	7	22.07	21.97	21.87	22.20
3	QPSK	15	0	21.98	22.03	21.89	22.20
3	16QAM	1	0	21.99	22.06	21.99	22.20
3	16QAM	1	8	22.07	22.06	22.10	22.20
3	16QAM	1	14	21.93	21.96	21.96	22.20
3	16QAM	8	0	21.84	21.77	21.80	22.20
3	16QAM	8	4	21.70	21.71	21.70	22.20
3	16QAM	8	7	21.68	21.71	21.73	22.20
3	16QAM	15	0	21.67	21.65	21.69	22.20
3	64QAM	1	0	21.90	21.98	21.93	22.20
3	64QAM	1	8	21.92	21.99	21.89	22.20
3	64QAM	1	14	21.95	21.96	21.85	22.20

3	64QAM	8	0	21.32	21.31	21.22	22.20
3	64QAM	8	4	21.42	21.29	21.15	22.20
3	64QAM	8	7	21.29	21.36	21.11	22.20
3	64QAM	15	0	21.32	21.27	21.23	22.20
3	256QAM	1	0	19.45	19.62	19.38	20.20
3	256QAM	1	8	19.14	19.02	18.97	20.20
3	256QAM	1	14	19.50	19.36	19.36	20.20
3	256QAM	8	0	19.33	19.37	19.20	20.20
3	256QAM	8	4	19.27	19.35	19.08	20.20
3	256QAM	8	7	19.25	19.23	19.11	20.20
3	256QAM	15	0	19.34	19.33	19.21	20.20
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	22.04	22.10	21.90	22.20
1.4	QPSK	1	3	21.87	21.78	21.70	22.20
1.4	QPSK	1	5	22.04	22.02	21.77	22.20
1.4	QPSK	3	0	22.10	22.04	21.90	22.20
1.4	QPSK	3	1	21.97	22.00	21.80	22.20
1.4	QPSK	3	3	21.99	21.97	21.78	22.20
1.4	QPSK	6	0	22.06	22.04	21.86	22.20
1.4	16QAM	1	0	21.96	22.13	21.97	22.20
1.4	16QAM	1	3	22.04	22.01	21.96	22.20
1.4	16QAM	1	5	21.99	22.03	21.94	22.20
1.4	16QAM	3	0	21.72	21.81	21.72	22.20
1.4	16QAM	3	1	21.78	21.78	21.74	22.20
1.4	16QAM	3	3	21.69	21.70	21.69	22.20
1.4	16QAM	6	0	21.74	21.70	21.77	22.20
1.4	64QAM	1	0	21.91	21.98	21.97	22.20
1.4	64QAM	1	3	21.85	21.88	21.94	22.20
1.4	64QAM	1	5	21.95	21.87	21.79	22.20
1.4	64QAM	3	0	21.31	21.42	21.25	22.20
1.4	64QAM	3	1	21.41	21.38	21.19	22.20
1.4	64QAM	3	3	21.31	21.37	21.11	22.20
1.4	64QAM	6	0	21.38	21.36	21.09	22.20
1.4	256QAM	1	0	19.50	19.63	19.34	20.20
1.4	256QAM	1	3	19.05	19.02	18.90	20.20
1.4	256QAM	1	5	19.54	19.37	19.27	20.20
1.4	256QAM	3	0	19.33	19.36	19.10	20.20
1.4	256QAM	3	1	19.35	19.26	19.12	20.20
1.4	256QAM	3	3	19.30	19.30	19.10	20.20
1.4	256QAM	6	0	19.39	19.39	19.21	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				26140	26340	26590	Tune-up limit
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.67	17.59	17.52	17.90
20	QPSK	1	49	17.41	17.44	17.27	17.90
20	QPSK	1	99	17.65	17.54	17.29	17.90
20	QPSK	50	0	17.66	17.57	17.47	17.90
20	QPSK	50	24	17.60	17.56	17.41	17.90
20	QPSK	50	50	17.57	17.56	17.41	17.90
20	QPSK	100	0	17.58	17.56	17.37	17.90
20	16QAM	1	0	17.61	17.57	17.51	17.90
20	16QAM	1	49	17.37	17.41	17.24	17.90
20	16QAM	1	99	17.61	17.56	17.29	17.90
20	16QAM	50	0	17.57	17.47	17.43	17.90
20	16QAM	50	24	17.57	17.48	17.34	17.90
20	16QAM	50	50	17.53	17.39	17.32	17.90
20	16QAM	100	0	17.54	17.45	17.33	17.90
20	64QAM	1	0	17.56	17.49	17.42	17.90
20	64QAM	1	49	17.51	17.39	17.30	17.90
20	64QAM	1	99	17.59	17.25	17.30	17.90
20	64QAM	50	0	17.53	17.42	17.34	17.90
20	64QAM	50	24	17.49	17.40	17.36	17.90
20	64QAM	50	50	17.48	17.39	17.31	17.90
20	64QAM	100	0	17.50	17.47	17.34	17.90
20	256QAM	1	0	17.46	17.42	17.34	17.90
20	256QAM	1	49	17.35	17.32	17.31	17.90
20	256QAM	1	99	17.50	17.33	17.14	17.90
20	256QAM	50	0	17.50	17.48	17.35	17.90
20	256QAM	50	24	17.46	17.42	17.28	17.90
20	256QAM	50	50	17.51	17.42	17.31	17.90
20	256QAM	100	0	17.48	17.47	17.35	17.90
Channel				26115	26340	26615	Tune-up limit



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Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	17.55	17.46	17.50	17.90
15	QPSK	1	37	17.30	17.31	17.16	17.90
15	QPSK	1	74	17.55	17.44	17.16	17.90
15	QPSK	36	0	17.54	17.52	17.42	17.90
15	QPSK	36	20	17.46	17.45	17.32	17.90
15	QPSK	36	39	17.44	17.43	17.36	17.90
15	QPSK	75	0	17.54	17.50	17.28	17.90
15	16QAM	1	0	17.50	17.55	17.36	17.90
15	16QAM	1	37	17.28	17.35	17.11	17.90
15	16QAM	1	74	17.54	17.43	17.23	17.90
15	16QAM	36	0	17.50	17.34	17.32	17.90
15	16QAM	36	20	17.42	17.41	17.20	17.90
15	16QAM	36	39	17.50	17.38	17.21	17.90
15	16QAM	75	0	17.51	17.40	17.25	17.90
15	64QAM	1	0	17.50	17.44	17.31	17.90
15	64QAM	1	37	17.48	17.25	17.19	17.90
15	64QAM	1	74	17.55	17.12	17.19	17.90
15	64QAM	36	0	17.49	17.35	17.23	17.90
15	64QAM	36	20	17.39	17.35	17.26	17.90
15	64QAM	36	39	17.41	17.30	17.21	17.90
15	64QAM	75	0	17.47	17.34	17.24	17.90
15	256QAM	1	0	17.39	17.35	17.20	17.90
15	256QAM	1	37	17.34	17.17	17.18	17.90
15	256QAM	1	74	17.43	17.29	17.04	17.90
15	256QAM	36	0	17.45	17.45	17.25	17.90
15	256QAM	36	20	17.40	17.28	17.17	17.90
15	256QAM	36	39	17.44	17.38	17.23	17.90
15	256QAM	75	0	17.35	17.44	17.26	17.90
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.66	17.47	17.50	17.90
10	QPSK	1	25	17.28	17.31	17.21	17.90
10	QPSK	1	49	17.57	17.43	17.24	17.90
10	QPSK	25	0	17.64	17.52	17.40	17.90
10	QPSK	25	12	17.53	17.53	17.39	17.90
10	QPSK	25	25	17.47	17.52	17.29	17.90
10	QPSK	50	0	17.46	17.44	17.24	17.90
10	16QAM	1	0	17.47	17.54	17.40	17.90
10	16QAM	1	25	17.30	17.36	17.19	17.90
10	16QAM	1	49	17.51	17.47	17.26	17.90
10	16QAM	25	0	17.55	17.38	17.36	17.90
10	16QAM	25	12	17.49	17.45	17.27	17.90
10	16QAM	25	25	17.42	17.27	17.25	17.90
10	16QAM	50	0	17.53	17.32	17.29	17.90
10	64QAM	1	0	17.49	17.46	17.36	17.90
10	64QAM	1	25	17.47	17.30	17.28	17.90
10	64QAM	1	49	17.57	17.20	17.16	17.90
10	64QAM	25	0	17.51	17.33	17.30	17.90
10	64QAM	25	12	17.38	17.35	17.26	17.90
10	64QAM	25	25	17.33	17.34	17.27	17.90
10	64QAM	50	0	17.41	17.38	17.28	17.90
10	256QAM	1	0	17.31	17.32	17.25	17.90
10	256QAM	1	25	17.34	17.26	17.25	17.90
10	256QAM	1	49	17.49	17.31	17.07	17.90
10	256QAM	25	0	17.41	17.42	17.34	17.90
10	256QAM	25	12	17.40	17.31	17.20	17.90
10	256QAM	25	25	17.41	17.39	17.24	17.90
10	256QAM	50	0	17.34	17.38	17.26	17.90
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.55	17.57	17.40	17.90
5	QPSK	1	12	17.38	17.30	17.15	17.90
5	QPSK	1	24	17.58	17.42	17.26	17.90
5	QPSK	12	0	17.51	17.45	17.44	17.90
5	QPSK	12	7	17.47	17.44	17.34	17.90
5	QPSK	12	13	17.44	17.53	17.34	17.90
5	QPSK	25	0	17.54	17.41	17.26	17.90
5	16QAM	1	0	17.57	17.56	17.39	17.90
5	16QAM	1	12	17.30	17.36	17.10	17.90
5	16QAM	1	24	17.50	17.45	17.25	17.90
5	16QAM	12	0	17.48	17.39	17.42	17.90
5	16QAM	12	7	17.47	17.40	17.33	17.90
5	16QAM	12	13	17.51	17.35	17.18	17.90
5	16QAM	25	0	17.50	17.33	17.22	17.90
5	64QAM	1	0	17.48	17.37	17.32	17.90
5	64QAM	1	12	17.43	17.33	17.27	17.90
5	64QAM	1	24	17.54	17.11	17.17	17.90

5	64QAM	12	0	17.50	17.35	17.23	17.90
5	64QAM	12	7	17.46	17.27	17.21	17.90
5	64QAM	12	13	17.35	17.29	17.29	17.90
5	64QAM	25	0	17.39	17.35	17.30	17.90
5	256QAM	1	0	17.38	17.41	17.19	17.90
5	256QAM	1	12	17.21	17.25	17.25	17.90
5	256QAM	1	24	17.39	17.30	17.04	17.90
5	256QAM	12	0	17.43	17.45	17.21	17.90
5	256QAM	12	7	17.31	17.40	17.14	17.90
5	256QAM	12	13	17.43	17.30	17.27	17.90
5	256QAM	25	0	17.44	17.38	17.21	17.90
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.64	17.47	17.44	17.90
3	QPSK	1	8	17.39	17.37	17.21	17.90
3	QPSK	1	14	17.64	17.50	17.15	17.90
3	QPSK	8	0	17.59	17.46	17.46	17.90
3	QPSK	8	4	17.53	17.45	17.28	17.90
3	QPSK	8	7	17.54	17.49	17.35	17.90
3	QPSK	15	0	17.57	17.49	17.32	17.90
3	16QAM	1	0	17.47	17.44	17.38	17.90
3	16QAM	1	8	17.22	17.30	17.16	17.90
3	16QAM	1	14	17.46	17.44	17.27	17.90
3	16QAM	8	0	17.43	17.38	17.30	17.90
3	16QAM	8	4	17.49	17.46	17.20	17.90
3	16QAM	8	7	17.43	17.28	17.27	17.90
3	16QAM	15	0	17.39	17.43	17.26	17.90
3	64QAM	1	0	17.49	17.43	17.30	17.90
3	64QAM	1	8	17.37	17.36	17.21	17.90
3	64QAM	1	14	17.48	17.12	17.23	17.90
3	64QAM	8	0	17.40	17.36	17.26	17.90
3	64QAM	8	4	17.42	17.26	17.26	17.90
3	64QAM	8	7	17.45	17.34	17.28	17.90
3	64QAM	15	0	17.47	17.32	17.25	17.90
3	256QAM	1	0	17.43	17.34	17.23	17.90
3	256QAM	1	8	17.32	17.23	17.24	17.90
3	256QAM	1	14	17.48	17.31	17.10	17.90
3	256QAM	8	0	17.37	17.44	17.34	17.90
3	256QAM	8	4	17.34	17.39	17.19	17.90
3	256QAM	8	7	17.36	17.30	17.18	17.90
3	256QAM	15	0	17.35	17.32	17.31	17.90
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	17.66	17.54	17.43	17.90
1.4	QPSK	1	3	17.29	17.34	17.25	17.90
1.4	QPSK	1	5	17.55	17.42	17.28	17.90
1.4	QPSK	3	0	17.59	17.52	17.38	17.90
1.4	QPSK	3	1	17.55	17.54	17.33	17.90
1.4	QPSK	3	3	17.55	17.49	17.32	17.90
1.4	QPSK	6	0	17.46	17.42	17.30	17.90
1.4	16QAM	1	0	17.59	17.42	17.48	17.90
1.4	16QAM	1	3	17.25	17.33	17.09	17.90
1.4	16QAM	1	5	17.53	17.55	17.16	17.90
1.4	16QAM	3	0	17.53	17.39	17.33	17.90
1.4	16QAM	3	1	17.54	17.43	17.31	17.90
1.4	16QAM	3	3	17.49	17.30	17.17	17.90
1.4	16QAM	6	0	17.41	17.37	17.27	17.90
1.4	64QAM	1	0	17.49	17.37	17.29	17.90
1.4	64QAM	1	3	17.41	17.29	17.27	17.90
1.4	64QAM	1	5	17.57	17.19	17.20	17.90
1.4	64QAM	3	0	17.44	17.28	17.28	17.90
1.4	64QAM	3	1	17.35	17.30	17.34	17.90
1.4	64QAM	3	3	17.38	17.32	17.23	17.90
1.4	64QAM	6	0	17.36	17.33	17.26	17.90
1.4	256QAM	1	0	17.38	17.30	17.25	17.90
1.4	256QAM	1	3	17.32	17.28	17.17	17.90
1.4	256QAM	1	5	17.41	17.30	17.03	17.90
1.4	256QAM	3	0	17.44	17.38	17.32	17.90
1.4	256QAM	3	1	17.38	17.40	17.25	17.90
1.4	256QAM	3	3	17.39	17.40	17.17	17.90
1.4	256QAM	6	0	17.34	17.44	17.24	17.90

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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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.67	17.59	17.52	18.20
20	QPSK	1	49	17.41	17.44	17.27	18.20
20	QPSK	1	99	17.65	17.54	17.29	18.20
20	QPSK	50	0	17.66	17.57	17.47	18.20
20	QPSK	50	24	17.60	17.56	17.41	18.20
20	QPSK	50	50	17.57	17.56	17.41	18.20
20	QPSK	100	0	17.58	17.56	17.37	18.20
20	16QAM	1	0	17.61	17.57	17.51	18.20
20	16QAM	1	49	17.37	17.41	17.24	18.20
20	16QAM	1	99	17.61	17.56	17.29	18.20
20	16QAM	50	0	17.57	17.47	17.43	18.20
20	16QAM	50	24	17.57	17.48	17.34	18.20
20	16QAM	50	50	17.53	17.39	17.32	18.20
20	16QAM	100	0	17.54	17.45	17.33	18.20
20	64QAM	1	0	17.56	17.49	17.42	18.20
20	64QAM	1	49	17.51	17.39	17.30	18.20
20	64QAM	1	99	17.59	17.25	17.30	18.20
20	64QAM	50	0	17.53	17.42	17.34	18.20
20	64QAM	50	24	17.49	17.40	17.36	18.20
20	64QAM	50	50	17.48	17.39	17.31	18.20
20	64QAM	100	0	17.50	17.47	17.34	18.20
20	256QAM	1	0	17.46	17.42	17.34	18.20
20	256QAM	1	49	17.35	17.32	17.31	18.20
20	256QAM	1	99	17.50	17.33	17.14	18.20
20	256QAM	50	0	17.50	17.48	17.35	18.20
20	256QAM	50	24	17.46	17.42	17.28	18.20
20	256QAM	50	50	17.51	17.42	17.31	18.20
20	256QAM	100	0	17.48	17.47	17.35	18.20
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.55	17.46	17.50	18.20
15	QPSK	1	37	17.30	17.31	17.16	18.20
15	QPSK	1	74	17.55	17.44	17.16	18.20
15	QPSK	36	0	17.54	17.52	17.42	18.20
15	QPSK	36	20	17.46	17.45	17.32	18.20
15	QPSK	36	39	17.44	17.43	17.36	18.20
15	QPSK	75	0	17.54	17.50	17.28	18.20
15	16QAM	1	0	17.50	17.55	17.36	18.20
15	16QAM	1	37	17.28	17.35	17.11	18.20
15	16QAM	1	74	17.54	17.43	17.23	18.20
15	16QAM	36	0	17.50	17.34	17.32	18.20
15	16QAM	36	20	17.42	17.41	17.20	18.20
15	16QAM	36	39	17.50	17.38	17.21	18.20
15	16QAM	75	0	17.51	17.40	17.25	18.20
15	64QAM	1	0	17.50	17.44	17.31	18.20
15	64QAM	1	37	17.48	17.25	17.19	18.20
15	64QAM	1	74	17.55	17.12	17.19	18.20
15	64QAM	36	0	17.49	17.35	17.23	18.20
15	64QAM	36	20	17.39	17.35	17.26	18.20
15	64QAM	36	39	17.41	17.30	17.21	18.20
15	64QAM	75	0	17.47	17.34	17.24	18.20
15	256QAM	1	0	17.39	17.35	17.20	18.20
15	256QAM	1	37	17.34	17.17	17.18	18.20
15	256QAM	1	74	17.43	17.29	17.04	18.20
15	256QAM	36	0	17.45	17.45	17.25	18.20
15	256QAM	36	20	17.40	17.28	17.17	18.20
15	256QAM	36	39	17.44	17.38	17.23	18.20
15	256QAM	75	0	17.35	17.44	17.26	18.20
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.66	17.47	17.50	18.20
10	QPSK	1	25	17.28	17.31	17.21	18.20
10	QPSK	1	49	17.57	17.43	17.24	18.20
10	QPSK	25	0	17.64	17.52	17.40	18.20
10	QPSK	25	12	17.53	17.53	17.39	18.20
10	QPSK	25	25	17.47	17.52	17.29	18.20
10	QPSK	50	0	17.46	17.44	17.24	18.20
10	16QAM	1	0	17.47	17.54	17.40	18.20
10	16QAM	1	25	17.30	17.36	17.19	18.20
10	16QAM	1	49	17.51	17.47	17.26	18.20
10	16QAM	25	0	17.55	17.38	17.36	18.20



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10	16QAM	25	12	17.49	17.45	17.27	18.20
10	16QAM	25	25	17.42	17.27	17.25	18.20
10	16QAM	50	0	17.53	17.32	17.29	18.20
10	64QAM	1	0	17.49	17.46	17.36	18.20
10	64QAM	1	25	17.47	17.30	17.28	18.20
10	64QAM	1	49	17.57	17.20	17.16	18.20
10	64QAM	25	0	17.51	17.33	17.30	18.20
10	64QAM	25	12	17.38	17.35	17.26	18.20
10	64QAM	25	25	17.33	17.34	17.27	18.20
10	64QAM	50	0	17.41	17.38	17.28	18.20
10	256QAM	1	0	17.31	17.32	17.25	18.20
10	256QAM	1	25	17.34	17.26	17.25	18.20
10	256QAM	1	49	17.49	17.31	17.07	18.20
10	256QAM	25	0	17.41	17.42	17.34	18.20
10	256QAM	25	12	17.40	17.31	17.20	18.20
10	256QAM	25	25	17.41	17.39	17.24	18.20
10	256QAM	50	0	17.34	17.38	17.26	18.20
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.55	17.57	17.40	18.20
5	QPSK	1	12	17.38	17.30	17.15	18.20
5	QPSK	1	24	17.58	17.42	17.26	18.20
5	QPSK	12	0	17.51	17.45	17.44	18.20
5	QPSK	12	7	17.47	17.44	17.34	18.20
5	QPSK	12	13	17.44	17.53	17.34	18.20
5	QPSK	25	0	17.54	17.41	17.26	18.20
5	16QAM	1	0	17.57	17.56	17.39	18.20
5	16QAM	1	12	17.30	17.36	17.10	18.20
5	16QAM	1	24	17.50	17.45	17.25	18.20
5	16QAM	12	0	17.48	17.39	17.42	18.20
5	16QAM	12	7	17.47	17.40	17.33	18.20
5	16QAM	12	13	17.51	17.35	17.18	18.20
5	16QAM	25	0	17.50	17.33	17.22	18.20
5	64QAM	1	0	17.48	17.37	17.32	18.20
5	64QAM	1	12	17.43	17.33	17.27	18.20
5	64QAM	1	24	17.54	17.11	17.17	18.20
5	64QAM	12	0	17.50	17.35	17.23	18.20
5	64QAM	12	7	17.46	17.27	17.21	18.20
5	64QAM	12	13	17.35	17.29	17.29	18.20
5	64QAM	25	0	17.39	17.35	17.30	18.20
5	256QAM	1	0	17.38	17.41	17.19	18.20
5	256QAM	1	12	17.21	17.25	17.25	18.20
5	256QAM	1	24	17.39	17.30	17.04	18.20
5	256QAM	12	0	17.43	17.45	17.21	18.20
5	256QAM	12	7	17.31	17.40	17.14	18.20
5	256QAM	12	13	17.43	17.30	17.27	18.20
5	256QAM	25	0	17.44	17.38	17.21	18.20
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.64	17.47	17.44	18.20
3	QPSK	1	8	17.39	17.37	17.21	18.20
3	QPSK	1	14	17.64	17.50	17.15	18.20
3	QPSK	8	0	17.59	17.46	17.46	18.20
3	QPSK	8	4	17.53	17.45	17.28	18.20
3	QPSK	8	7	17.54	17.49	17.35	18.20
3	QPSK	15	0	17.57	17.49	17.32	18.20
3	16QAM	1	0	17.47	17.44	17.38	18.20
3	16QAM	1	8	17.22	17.30	17.16	18.20
3	16QAM	1	14	17.46	17.44	17.27	18.20
3	16QAM	8	0	17.43	17.38	17.30	18.20
3	16QAM	8	4	17.49	17.46	17.20	18.20
3	16QAM	8	7	17.43	17.28	17.27	18.20
3	16QAM	15	0	17.39	17.43	17.26	18.20
3	64QAM	1	0	17.49	17.43	17.30	18.20
3	64QAM	1	8	17.37	17.36	17.21	18.20
3	64QAM	1	14	17.48	17.12	17.23	18.20
3	64QAM	8	0	17.40	17.36	17.26	18.20
3	64QAM	8	4	17.42	17.26	17.26	18.20
3	64QAM	8	7	17.45	17.34	17.28	18.20
3	64QAM	15	0	17.47	17.32	17.25	18.20
3	256QAM	1	0	17.43	17.34	17.23	18.20
3	256QAM	1	8	17.32	17.23	17.24	18.20
3	256QAM	1	14	17.48	17.31	17.10	18.20
3	256QAM	8	0	17.37	17.44	17.34	18.20
3	256QAM	8	4	17.34	17.39	17.19	18.20
3	256QAM	8	7	17.36	17.30	17.18	18.20
3	256QAM	15	0	17.35	17.32	17.31	18.20
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	17.66	17.54	17.43	18.20
1.4	QPSK	1	3	17.29	17.34	17.25	18.20
1.4	QPSK	1	5	17.55	17.42	17.28	18.20
1.4	QPSK	3	0	17.59	17.52	17.38	18.20
1.4	QPSK	3	1	17.55	17.54	17.33	18.20
1.4	QPSK	3	3	17.55	17.49	17.32	18.20
1.4	QPSK	6	0	17.46	17.42	17.30	18.20
1.4	16QAM	1	0	17.59	17.42	17.48	18.20
1.4	16QAM	1	3	17.25	17.33	17.09	18.20
1.4	16QAM	1	5	17.53	17.55	17.16	18.20
1.4	16QAM	3	0	17.53	17.39	17.33	18.20
1.4	16QAM	3	1	17.54	17.43	17.31	18.20
1.4	16QAM	3	3	17.49	17.30	17.17	18.20
1.4	16QAM	6	0	17.41	17.37	17.27	18.20
1.4	64QAM	1	0	17.49	17.37	17.29	18.20
1.4	64QAM	1	3	17.41	17.29	17.27	18.20
1.4	64QAM	1	5	17.57	17.19	17.20	18.20
1.4	64QAM	3	0	17.44	17.28	17.28	18.20
1.4	64QAM	3	1	17.35	17.30	17.34	18.20
1.4	64QAM	3	3	17.38	17.32	17.23	18.20
1.4	64QAM	6	0	17.36	17.33	17.26	18.20
1.4	256QAM	1	0	17.38	17.30	17.25	18.20
1.4	256QAM	1	3	17.32	17.28	17.17	18.20
1.4	256QAM	1	5	17.41	17.30	17.03	18.20
1.4	256QAM	3	0	17.44	17.38	17.32	18.20
1.4	256QAM	3	1	17.38	17.40	17.25	18.20
1.4	256QAM	3	3	17.39	17.40	17.17	18.20
1.4	256QAM	6	0	17.34	17.44	17.24	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.26	23.09	23.16	24.70
20	QPSK	1	49	23.06	23.06	23.06	24.70
20	QPSK	1	99	23.11	23.08	23.05	24.70
20	QPSK	50	0	22.48	22.30	22.35	23.70
20	QPSK	50	24	22.42	22.31	22.27	23.70
20	QPSK	50	50	22.42	22.22	22.22	23.70
20	QPSK	100	0	22.39	22.26	22.32	23.70
20	16QAM	1	0	22.74	22.45	22.53	23.70
20	16QAM	1	49	22.42	22.41	22.28	23.70
20	16QAM	1	99	22.62	22.48	22.46	23.70
20	16QAM	50	0	21.42	21.23	21.29	22.70
20	16QAM	50	24	21.39	21.26	21.30	22.70
20	16QAM	50	50	21.38	21.29	21.19	22.70
20	16QAM	100	0	21.41	21.30	21.25	22.70
20	64QAM	1	0	21.67	21.45	21.43	22.70
20	64QAM	1	49	21.54	21.40	21.30	22.70
20	64QAM	1	99	21.51	21.40	21.29	22.70
20	64QAM	50	0	20.39	20.24	20.28	21.70
20	64QAM	50	24	20.34	20.25	20.27	21.70
20	64QAM	50	50	20.33	20.26	20.17	21.70
20	64QAM	100	0	20.31	20.27	20.22	21.70
20	256QAM	1	0	18.63	18.33	18.44	19.70
20	256QAM	1	49	18.47	18.38	18.36	19.70
20	256QAM	1	99	18.49	18.40	18.41	19.70
20	256QAM	50	0	18.41	18.29	18.26	19.70
20	256QAM	50	24	18.37	18.21	18.30	19.70
20	256QAM	50	50	18.35	18.27	18.19	19.70
20	256QAM	100	0	18.41	18.27	18.25	19.70
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.23	23.00	23.07	24.70
15	QPSK	1	37	23.00	23.00	23.01	24.70
15	QPSK	1	74	23.02	23.03	23.00	24.70
15	QPSK	36	0	22.43	22.25	22.25	23.70
15	QPSK	36	20	22.39	22.19	22.19	23.70
15	QPSK	36	39	22.37	22.11	22.20	23.70
15	QPSK	75	0	22.34	22.11	22.29	23.70
15	16QAM	1	0	22.60	22.39	22.44	23.70
15	16QAM	1	37	22.31	22.39	22.21	23.70
15	16QAM	1	74	22.55	22.40	22.33	23.70
15	16QAM	36	0	21.29	21.09	21.17	22.70



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15	16QAM	36	20	21.32	21.22	21.16	22.70
15	16QAM	36	39	21.26	21.21	21.12	22.70
15	16QAM	75	0	21.30	21.15	21.17	22.70
15	64QAM	1	0	21.58	21.40	21.35	22.70
15	64QAM	1	37	21.47	21.25	21.27	22.70
15	64QAM	1	74	21.45	21.37	21.18	22.70
15	64QAM	36	0	20.29	20.16	20.25	21.70
15	64QAM	36	20	20.24	20.11	20.25	21.70
15	64QAM	36	39	20.24	20.12	20.12	21.70
15	64QAM	75	0	20.20	20.14	20.21	21.70
15	256QAM	1	0	18.53	18.28	18.40	19.70
15	256QAM	1	37	18.44	18.35	18.24	19.70
15	256QAM	1	74	18.40	18.27	18.39	19.70
15	256QAM	36	0	18.34	18.20	18.23	19.70
15	256QAM	36	20	18.33	18.08	18.15	19.70
15	256QAM	36	39	18.22	18.26	18.07	19.70
15	256QAM	75	0	18.35	18.13	18.17	19.70
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	23.13	23.04	23.14	24.70
10	QPSK	1	25	23.00	23.00	23.00	24.70
10	QPSK	1	49	23.00	23.04	23.01	24.70
10	QPSK	25	0	22.41	22.23	22.28	23.70
10	QPSK	25	12	22.34	22.27	22.24	23.70
10	QPSK	25	25	22.38	22.08	22.12	23.70
10	QPSK	50	0	22.27	22.14	22.25	23.70
10	16QAM	1	0	22.65	22.41	22.51	23.70
10	16QAM	1	25	22.39	22.26	22.15	23.70
10	16QAM	1	49	22.54	22.35	22.43	23.70
10	16QAM	25	0	21.29	21.21	21.26	22.70
10	16QAM	25	12	21.33	21.24	21.29	22.70
10	16QAM	25	25	21.32	21.23	21.07	22.70
10	16QAM	50	0	21.27	21.22	21.13	22.70
10	64QAM	1	0	21.57	21.36	21.42	22.70
10	64QAM	1	25	21.40	21.31	21.25	22.70
10	64QAM	1	49	21.41	21.38	21.15	22.70
10	64QAM	25	0	20.37	20.14	20.17	21.70
10	64QAM	25	12	20.25	20.20	20.15	21.70
10	64QAM	25	25	20.30	20.20	20.02	21.70
10	64QAM	50	0	20.24	20.24	20.13	21.70
10	256QAM	1	0	18.51	18.18	18.30	19.70
10	256QAM	1	25	18.33	18.29	18.28	19.70
10	256QAM	1	49	18.39	18.30	18.36	19.70
10	256QAM	25	0	18.31	18.16	18.19	19.70
10	256QAM	25	12	18.31	18.12	18.16	19.70
10	256QAM	25	25	18.30	18.25	18.16	19.70
10	256QAM	50	0	18.29	18.21	18.23	19.70
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	23.17	23.00	23.03	24.70
5	QPSK	1	12	23.01	23.00	23.01	24.70
5	QPSK	1	24	23.05	23.07	23.01	24.70
5	QPSK	12	0	22.36	22.16	22.34	23.70
5	QPSK	12	7	22.41	22.28	22.13	23.70
5	QPSK	12	13	22.28	22.19	22.20	23.70
5	QPSK	25	0	22.33	22.17	22.23	23.70
5	16QAM	1	0	22.65	22.35	22.48	23.70
5	16QAM	1	12	22.27	22.33	22.26	23.70
5	16QAM	1	24	22.54	22.41	22.34	23.70
5	16QAM	12	0	21.30	21.17	21.16	22.70
5	16QAM	12	7	21.35	21.15	21.16	22.70
5	16QAM	12	13	21.28	21.18	21.12	22.70
5	16QAM	25	0	21.36	21.25	21.18	22.70
5	64QAM	1	0	21.57	21.35	21.37	22.70
5	64QAM	1	12	21.42	21.36	21.16	22.70
5	64QAM	1	24	21.45	21.35	21.15	22.70
5	64QAM	12	0	20.35	20.11	20.14	21.70
5	64QAM	12	7	20.26	20.11	20.14	21.70
5	64QAM	12	13	20.24	20.21	20.04	21.70
5	64QAM	25	0	20.27	20.16	20.08	21.70
5	256QAM	1	0	18.62	18.20	18.33	19.70
5	256QAM	1	12	18.43	18.31	18.22	19.70
5	256QAM	1	24	18.42	18.37	18.36	19.70
5	256QAM	12	0	18.28	18.24	18.19	19.70
5	256QAM	12	7	18.36	18.09	18.24	19.70
5	256QAM	12	13	18.25	18.24	18.15	19.70
5	256QAM	25	0	18.38	18.18	18.23	19.70
Channel				26055	26340	26675	Tune-up limit

Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	23.25	23.02	23.08	24.70
3	QPSK	1	8	23.03	23.00	23.00	24.70
3	QPSK	1	14	23.06	23.04	23.00	24.70
3	QPSK	8	0	22.47	22.18	22.22	23.70
3	QPSK	8	4	22.37	22.29	22.17	23.70
3	QPSK	8	7	22.30	22.11	22.20	23.70
3	QPSK	15	0	22.35	22.19	22.22	23.70
3	16QAM	1	0	22.67	22.33	22.43	23.70
3	16QAM	1	8	22.32	22.33	22.23	23.70
3	16QAM	1	14	22.51	22.43	22.34	23.70
3	16QAM	8	0	21.33	21.17	21.18	22.70
3	16QAM	8	4	21.28	21.21	21.16	22.70
3	16QAM	8	7	21.34	21.16	21.15	22.70
3	16QAM	15	0	21.26	21.20	21.14	22.70
3	64QAM	1	0	21.55	21.42	21.31	22.70
3	64QAM	1	8	21.50	21.37	21.26	22.70
3	64QAM	1	14	21.39	21.27	21.18	22.70
3	64QAM	8	0	20.26	20.22	20.24	21.70
3	64QAM	8	4	20.26	20.17	20.12	21.70
3	64QAM	8	7	20.23	20.16	20.09	21.70
3	64QAM	15	0	20.25	20.22	20.08	21.70
3	256QAM	1	0	18.57	18.29	18.38	19.70
3	256QAM	1	8	18.45	18.28	18.31	19.70
3	256QAM	1	14	18.47	18.29	18.32	19.70
3	256QAM	8	0	18.38	18.28	18.14	19.70
3	256QAM	8	4	18.31	18.15	18.26	19.70
3	256QAM	8	7	18.23	18.13	18.14	19.70
3	256QAM	15	0	18.36	18.22	18.24	19.70
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.22	23.01	23.02	24.70
1.4	QPSK	1	3	23.01	23.00	23.00	24.70
1.4	QPSK	1	5	23.00	23.02	23.00	24.70
1.4	QPSK	3	0	23.43	23.18	23.29	24.70
1.4	QPSK	3	1	23.40	23.17	23.16	24.70
1.4	QPSK	3	3	23.39	23.13	23.13	24.70
1.4	QPSK	6	0	22.34	22.21	22.24	23.70
1.4	16QAM	1	0	22.63	22.36	22.50	23.70
1.4	16QAM	1	3	22.33	22.36	22.23	23.70
1.4	16QAM	1	5	22.56	22.45	22.42	23.70
1.4	16QAM	3	0	22.40	22.10	22.27	23.70
1.4	16QAM	3	1	22.37	22.23	22.21	23.70
1.4	16QAM	3	3	22.31	22.17	22.11	23.70
1.4	16QAM	6	0	21.38	21.19	21.14	22.70
1.4	64QAM	1	0	21.59	21.30	21.38	22.70
1.4	64QAM	1	3	21.45	21.32	21.21	22.70
1.4	64QAM	1	5	21.39	21.33	21.24	22.70
1.4	64QAM	3	0	21.29	21.10	21.17	22.70
1.4	64QAM	3	1	21.24	21.20	21.21	22.70
1.4	64QAM	3	3	21.32	21.18	21.09	22.70
1.4	64QAM	6	0	20.20	20.14	20.17	21.70
1.4	256QAM	1	0	18.48	18.22	18.32	19.70
1.4	256QAM	1	3	18.40	18.25	18.31	19.70
1.4	256QAM	1	5	18.47	18.38	18.31	19.70
1.4	256QAM	3	0	18.36	18.14	18.11	19.70
1.4	256QAM	3	1	18.30	18.13	18.16	19.70
1.4	256QAM	3	3	18.21	18.21	18.07	19.70
1.4	256QAM	6	0	18.26	18.13	18.11	19.70

【LTE Band 25_Ant 5_Index 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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.52	17.56	17.50	17.60
20	QPSK	1	49	17.44	17.51	17.41	17.60
20	QPSK	1	99	17.41	17.54	17.46	17.60
20	QPSK	50	0	17.49	17.54	17.40	17.60
20	QPSK	50	24	17.39	17.46	17.36	17.60
20	QPSK	50	50	17.33	17.46	17.38	17.60
20	QPSK	100	0	17.43	17.50	17.32	17.60
20	16QAM	1	0	17.33	17.50	17.36	17.60
20	16QAM	1	49	17.39	17.45	17.38	17.60
20	16QAM	1	99	17.35	17.41	17.36	17.60
20	16QAM	50	0	17.38	17.47	17.37	17.60



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20	16QAM	50	24	17.29	17.43	17.36	17.60
20	16QAM	50	50	17.38	17.48	17.32	17.60
20	16QAM	100	0	17.30	17.46	17.31	17.60
20	64QAM	1	0	17.39	17.53	17.41	17.60
20	64QAM	1	49	17.39	17.45	17.36	17.60
20	64QAM	1	99	17.31	17.37	17.41	17.60
20	64QAM	50	0	17.37	17.30	17.40	17.60
20	64QAM	50	24	17.43	17.34	17.40	17.60
20	64QAM	50	50	17.28	17.40	17.39	17.60
20	64QAM	100	0	17.36	17.34	17.42	17.60
20	256QAM	1	0	17.36	17.49	17.44	17.60
20	256QAM	1	49	17.41	17.44	17.45	17.60
20	256QAM	1	99	17.40	17.43	17.38	17.60
20	256QAM	50	0	17.40	17.43	17.46	17.60
20	256QAM	50	24	17.40	17.40	17.42	17.60
20	256QAM	50	50	17.37	17.41	17.49	17.60
20	256QAM	100	0	17.31	17.40	17.33	17.60
Channel				26115	26340	26615	Tune-up limit
Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	17.47	17.47	17.37	17.60
15	QPSK	1	37	17.35	17.44	17.33	17.60
15	QPSK	1	74	17.34	17.42	17.44	17.60
15	QPSK	36	0	17.39	17.53	17.32	17.60
15	QPSK	36	20	17.26	17.35	17.32	17.60
15	QPSK	36	39	17.32	17.40	17.34	17.60
15	QPSK	75	0	17.33	17.44	17.24	17.60
15	16QAM	1	0	17.30	17.36	17.24	17.60
15	16QAM	1	37	17.35	17.35	17.27	17.60
15	16QAM	1	74	17.30	17.32	17.30	17.60
15	16QAM	36	0	17.30	17.33	17.35	17.60
15	16QAM	36	20	17.23	17.36	17.31	17.60
15	16QAM	36	39	17.37	17.40	17.26	17.60
15	16QAM	75	0	17.20	17.44	17.22	17.60
15	64QAM	1	0	17.28	17.40	17.36	17.60
15	64QAM	1	37	17.31	17.35	17.21	17.60
15	64QAM	1	74	17.21	17.30	17.39	17.60
15	64QAM	36	0	17.26	17.23	17.28	17.60
15	64QAM	36	20	17.35	17.22	17.25	17.60
15	64QAM	36	39	17.14	17.27	17.27	17.60
15	64QAM	75	0	17.22	17.33	17.27	17.60
15	256QAM	1	0	17.23	17.35	17.32	17.60
15	256QAM	1	37	17.38	17.40	17.40	17.60
15	256QAM	1	74	17.32	17.34	17.36	17.60
15	256QAM	36	0	17.36	17.38	17.44	17.60
15	256QAM	36	20	17.36	17.37	17.28	17.60
15	256QAM	36	39	17.25	17.35	17.35	17.60
15	256QAM	75	0	17.22	17.28	17.28	17.60
Channel				26090	26340	26640	Tune-up limit
Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	17.47	17.46	17.41	17.60
10	QPSK	1	25	17.41	17.38	17.36	17.60
10	QPSK	1	49	17.35	17.49	17.31	17.60
10	QPSK	25	0	17.48	17.46	17.31	17.60
10	QPSK	25	12	17.37	17.32	17.30	17.60
10	QPSK	25	25	17.27	17.45	17.25	17.60
10	QPSK	50	0	17.42	17.44	17.18	17.60
10	16QAM	1	0	17.19	17.47	17.26	17.60
10	16QAM	1	25	17.26	17.39	17.37	17.60
10	16QAM	1	49	17.24	17.31	17.26	17.60
10	16QAM	25	0	17.29	17.44	17.35	17.60
10	16QAM	25	12	17.24	17.37	17.26	17.60
10	16QAM	25	25	17.33	17.42	17.19	17.60
10	16QAM	50	0	17.16	17.36	17.23	17.60
10	64QAM	1	0	17.25	17.41	17.37	17.60
10	64QAM	1	25	17.27	17.44	17.22	17.60
10	64QAM	1	49	17.29	17.34	17.28	17.60
10	64QAM	25	0	17.32	17.16	17.32	17.60
10	64QAM	25	12	17.40	17.26	17.31	17.60
10	64QAM	25	25	17.23	17.34	17.26	17.60
10	64QAM	50	0	17.29	17.33	17.32	17.60
10	256QAM	1	0	17.30	17.38	17.37	17.60
10	256QAM	1	25	17.39	17.36	17.42	17.60
10	256QAM	1	49	17.38	17.31	17.37	17.60
10	256QAM	25	0	17.33	17.36	17.40	17.60
10	256QAM	25	12	17.38	17.32	17.40	17.60
10	256QAM	25	25	17.30	17.29	17.43	17.60
10	256QAM	50	0	17.25	17.31	17.31	17.60
Channel				26065	26340	26665	Tune-up limit



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Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.48	17.55	17.36	17.60
5	QPSK	1	12	17.42	17.40	17.28	17.60
5	QPSK	1	24	17.31	17.48	17.43	17.60
5	QPSK	12	0	17.45	17.47	17.36	17.60
5	QPSK	12	7	17.25	17.40	17.27	17.60
5	QPSK	12	13	17.28	17.36	17.31	17.60
5	QPSK	25	0	17.35	17.35	17.22	17.60
5	16QAM	1	0	17.32	17.38	17.25	17.60
5	16QAM	1	12	17.29	17.43	17.27	17.60
5	16QAM	1	24	17.32	17.33	17.34	17.60
5	16QAM	12	0	17.28	17.36	17.28	17.60
5	16QAM	12	7	17.25	17.38	17.22	17.60
5	16QAM	12	13	17.32	17.42	17.26	17.60
5	16QAM	25	0	17.17	17.32	17.27	17.60
5	64QAM	1	0	17.27	17.50	17.27	17.60
5	64QAM	1	12	17.25	17.31	17.30	17.60
5	64QAM	1	24	17.24	17.32	17.38	17.60
5	64QAM	12	0	17.35	17.18	17.29	17.60
5	64QAM	12	7	17.41	17.23	17.26	17.60
5	64QAM	12	13	17.17	17.27	17.33	17.60
5	64QAM	25	0	17.26	17.27	17.28	17.60
5	256QAM	1	0	17.24	17.38	17.41	17.60
5	256QAM	1	12	17.36	17.36	17.34	17.60
5	256QAM	1	24	17.29	17.31	17.27	17.60
5	256QAM	12	0	17.32	17.41	17.40	17.60
5	256QAM	12	7	17.32	17.32	17.28	17.60
5	256QAM	12	13	17.33	17.37	17.43	17.60
5	256QAM	25	0	17.20	17.33	17.20	17.60
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.49	17.43	17.48	17.60
3	QPSK	1	8	17.33	17.38	17.27	17.60
3	QPSK	1	14	17.28	17.43	17.42	17.60
3	QPSK	8	0	17.38	17.49	17.34	17.60
3	QPSK	8	4	17.30	17.37	17.23	17.60
3	QPSK	8	7	17.20	17.45	17.23	17.60
3	QPSK	15	0	17.33	17.39	17.20	17.60
3	16QAM	1	0	17.18	17.40	17.26	17.60
3	16QAM	1	8	17.35	17.32	17.33	17.60
3	16QAM	1	14	17.31	17.28	17.25	17.60
3	16QAM	8	0	17.34	17.46	17.27	17.60
3	16QAM	8	4	17.17	17.33	17.34	17.60
3	16QAM	8	7	17.33	17.36	17.28	17.60
3	16QAM	15	0	17.17	17.37	17.20	17.60
3	64QAM	1	0	17.35	17.47	17.27	17.60
3	64QAM	1	8	17.32	17.36	17.22	17.60
3	64QAM	1	14	17.20	17.31	17.28	17.60
3	64QAM	8	0	17.35	17.20	17.38	17.60
3	64QAM	8	4	17.32	17.32	17.26	17.60
3	64QAM	8	7	17.24	17.26	17.30	17.60
3	64QAM	15	0	17.25	17.20	17.39	17.60
3	256QAM	1	0	17.33	17.42	17.41	17.60
3	256QAM	1	8	17.32	17.35	17.36	17.60
3	256QAM	1	14	17.39	17.32	17.36	17.60
3	256QAM	8	0	17.27	17.38	17.45	17.60
3	256QAM	8	4	17.37	17.27	17.29	17.60
3	256QAM	8	7	17.33	17.31	17.40	17.60
3	256QAM	15	0	17.19	17.31	17.31	17.60
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.38	17.51	17.40	17.60
1.4	QPSK	1	3	17.38	17.41	17.36	17.60
1.4	QPSK	1	5	17.35	17.48	17.44	17.60
1.4	QPSK	3	0	17.42	17.42	17.39	17.60
1.4	QPSK	3	1	17.37	17.42	17.29	17.60
1.4	QPSK	3	3	17.25	17.31	17.31	17.60
1.4	QPSK	6	0	17.35	17.47	17.25	17.60
1.4	16QAM	1	0	17.24	17.48	17.21	17.60
1.4	16QAM	1	3	17.35	17.32	17.23	17.60
1.4	16QAM	1	5	17.30	17.28	17.34	17.60
1.4	16QAM	3	0	17.24	17.32	17.30	17.60
1.4	16QAM	3	1	17.19	17.34	17.28	17.60
1.4	16QAM	3	3	17.29	17.39	17.19	17.60
1.4	16QAM	6	0	17.22	17.41	17.17	17.60
1.4	64QAM	1	0	17.35	17.41	17.26	17.60
1.4	64QAM	1	3	17.32	17.36	17.34	17.60
1.4	64QAM	1	5	17.25	17.24	17.38	17.60



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1.4	64QAM	3	0	17.35	17.23	17.28	17.60
1.4	64QAM	3	1	17.39	17.28	17.26	17.60
1.4	64QAM	3	3	17.23	17.32	17.32	17.60
1.4	64QAM	6	0	17.23	17.28	17.31	17.60
1.4	256QAM	1	0	17.22	17.37	17.29	17.60
1.4	256QAM	1	3	17.28	17.35	17.34	17.60
1.4	256QAM	1	5	17.34	17.33	17.24	17.60
1.4	256QAM	3	0	17.26	17.33	17.42	17.60
1.4	256QAM	3	1	17.38	17.29	17.27	17.60
1.4	256QAM	3	3	17.32	17.32	17.35	17.60
1.4	256QAM	6	0	17.17	17.36	17.31	17.60

【LTE Band 25_Ant 5_Index 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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.45	15.50	15.48	15.80
20	QPSK	1	49	15.39	15.49	15.39	15.80
20	QPSK	1	99	15.35	15.48	15.46	15.80
20	QPSK	50	0	15.37	15.48	15.40	15.80
20	QPSK	50	24	15.32	15.43	15.37	15.80
20	QPSK	50	50	15.30	15.45	15.38	15.80
20	QPSK	100	0	15.35	15.49	15.37	15.80
20	16QAM	1	0	15.29	15.44	15.34	15.80
20	16QAM	1	49	15.31	15.43	15.32	15.80
20	16QAM	1	99	15.28	15.38	15.34	15.80
20	16QAM	50	0	15.30	15.42	15.37	15.80
20	16QAM	50	24	15.24	15.39	15.32	15.80
20	16QAM	50	50	15.30	15.43	15.32	15.80
20	16QAM	100	0	15.27	15.41	15.29	15.80
20	64QAM	1	0	15.35	15.47	15.41	15.80
20	64QAM	1	49	15.32	15.41	15.32	15.80
20	64QAM	1	99	15.30	15.44	15.32	15.80
20	64QAM	50	0	15.35	15.45	15.33	15.80
20	64QAM	50	24	15.31	15.39	15.35	15.80
20	64QAM	50	50	15.39	15.45	15.33	15.80
20	64QAM	100	0	15.25	15.40	15.30	15.80
20	256QAM	1	0	15.42	15.48	15.40	15.80
20	256QAM	1	49	15.31	15.44	15.38	15.80
20	256QAM	1	99	15.36	15.47	15.36	15.80
20	256QAM	50	0	15.37	15.44	15.42	15.80
20	256QAM	50	24	15.36	15.46	15.34	15.80
20	256QAM	50	50	15.37	15.45	15.37	15.80
20	256QAM	100	0	15.34	15.44	15.41	15.80
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.39	15.48	15.42	15.80
15	QPSK	1	37	15.24	15.42	15.29	15.80
15	QPSK	1	74	15.22	15.42	15.39	15.80
15	QPSK	36	0	15.25	15.40	15.31	15.80
15	QPSK	36	20	15.31	15.34	15.34	15.80
15	QPSK	36	39	15.27	15.31	15.33	15.80
15	QPSK	75	0	15.22	15.35	15.25	15.80
15	16QAM	1	0	15.18	15.39	15.21	15.80
15	16QAM	1	37	15.16	15.39	15.27	15.80
15	16QAM	1	74	15.25	15.31	15.28	15.80
15	16QAM	36	0	15.24	15.30	15.35	15.80
15	16QAM	36	20	15.15	15.34	15.26	15.80
15	16QAM	36	39	15.18	15.32	15.17	15.80
15	16QAM	75	0	15.25	15.27	15.19	15.80
15	64QAM	1	0	15.21	15.38	15.29	15.80
15	64QAM	1	37	15.26	15.37	15.26	15.80
15	64QAM	1	74	15.20	15.33	15.29	15.80
15	64QAM	36	0	15.28	15.38	15.22	15.80
15	64QAM	36	20	15.27	15.35	15.26	15.80
15	64QAM	36	39	15.33	15.43	15.31	15.80
15	64QAM	75	0	15.22	15.30	15.19	15.80
15	256QAM	1	0	15.41	15.38	15.29	15.80
15	256QAM	1	37	15.30	15.35	15.31	15.80
15	256QAM	1	74	15.30	15.40	15.34	15.80
15	256QAM	36	0	15.33	15.29	15.30	15.80
15	256QAM	36	20	15.30	15.38	15.21	15.80
15	256QAM	36	39	15.34	15.31	15.35	15.80
15	256QAM	75	0	15.30	15.39	15.33	15.80
Channel				26090	26340	26640	Tune-up limit



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Frequency (MHz)				1855	1880	1910	(dBm)
10	QPSK	1	0	15.43	15.46	15.40	15.80
10	QPSK	1	25	15.32	15.45	15.33	15.80
10	QPSK	1	49	15.21	15.34	15.43	15.80
10	QPSK	25	0	15.29	15.40	15.27	15.80
10	QPSK	25	12	15.29	15.38	15.34	15.80
10	QPSK	25	25	15.29	15.37	15.24	15.80
10	QPSK	50	0	15.32	15.45	15.34	15.80
10	16QAM	1	0	15.25	15.33	15.29	15.80
10	16QAM	1	25	15.24	15.29	15.26	15.80
10	16QAM	1	49	15.21	15.24	15.24	15.80
10	16QAM	25	0	15.27	15.39	15.27	15.80
10	16QAM	25	12	15.12	15.30	15.30	15.80
10	16QAM	25	25	15.22	15.40	15.27	15.80
10	16QAM	50	0	15.25	15.32	15.20	15.80
10	64QAM	1	0	15.29	15.37	15.28	15.80
10	64QAM	1	25	15.24	15.39	15.30	15.80
10	64QAM	1	49	15.19	15.30	15.30	15.80
10	64QAM	25	0	15.27	15.30	15.31	15.80
10	64QAM	25	12	15.30	15.30	15.21	15.80
10	64QAM	25	25	15.36	15.40	15.31	15.80
10	64QAM	50	0	15.11	15.33	15.15	15.80
10	256QAM	1	0	15.38	15.44	15.27	15.80
10	256QAM	1	25	15.18	15.32	15.32	15.80
10	256QAM	1	49	15.28	15.39	15.27	15.80
10	256QAM	25	0	15.34	15.40	15.38	15.80
10	256QAM	25	12	15.31	15.41	15.27	15.80
10	256QAM	25	25	15.25	15.36	15.36	15.80
10	256QAM	50	0	15.27	15.33	15.28	15.80
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	15.40	15.42	15.38	15.80
5	QPSK	1	12	15.35	15.37	15.36	15.80
5	QPSK	1	24	15.34	15.38	15.41	15.80
5	QPSK	12	0	15.30	15.45	15.32	15.80
5	QPSK	12	7	15.17	15.41	15.32	15.80
5	QPSK	12	13	15.17	15.34	15.24	15.80
5	QPSK	25	0	15.31	15.42	15.32	15.80
5	16QAM	1	0	15.18	15.29	15.25	15.80
5	16QAM	1	12	15.17	15.30	15.30	15.80
5	16QAM	1	24	15.19	15.34	15.24	15.80
5	16QAM	12	0	15.26	15.35	15.27	15.80
5	16QAM	12	7	15.12	15.29	15.21	15.80
5	16QAM	12	13	15.20	15.34	15.27	15.80
5	16QAM	25	0	15.18	15.35	15.28	15.80
5	64QAM	1	0	15.22	15.39	15.39	15.80
5	64QAM	1	12	15.25	15.36	15.27	15.80
5	64QAM	1	24	15.21	15.36	15.17	15.80
5	64QAM	12	0	15.30	15.39	15.22	15.80
5	64QAM	12	7	15.23	15.37	15.26	15.80
5	64QAM	12	13	15.37	15.34	15.31	15.80
5	64QAM	25	0	15.19	15.36	15.21	15.80
5	256QAM	1	0	15.36	15.37	15.33	15.80
5	256QAM	1	12	15.29	15.39	15.37	15.80
5	256QAM	1	24	15.31	15.34	15.33	15.80
5	256QAM	12	0	15.25	15.39	15.40	15.80
5	256QAM	12	7	15.32	15.37	15.31	15.80
5	256QAM	12	13	15.22	15.44	15.26	15.80
5	256QAM	25	0	15.20	15.31	15.27	15.80
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	15.33	15.37	15.34	15.80
3	QPSK	1	8	15.30	15.43	15.36	15.80
3	QPSK	1	14	15.27	15.34	15.43	15.80
3	QPSK	8	0	15.35	15.44	15.29	15.80
3	QPSK	8	4	15.24	15.37	15.27	15.80
3	QPSK	8	7	15.27	15.31	15.35	15.80
3	QPSK	15	0	15.23	15.45	15.34	15.80
3	16QAM	1	0	15.24	15.38	15.32	15.80
3	16QAM	1	8	15.28	15.38	15.23	15.80
3	16QAM	1	14	15.24	15.33	15.20	15.80
3	16QAM	8	0	15.21	15.37	15.30	15.80
3	16QAM	8	4	15.14	15.26	15.22	15.80
3	16QAM	8	7	15.26	15.29	15.27	15.80
3	16QAM	15	0	15.20	15.34	15.28	15.80
3	64QAM	1	0	15.27	15.43	15.26	15.80
3	64QAM	1	8	15.22	15.35	15.18	15.80
3	64QAM	1	14	15.21	15.39	15.17	15.80

3	64QAM	8	0	15.28	15.41	15.22	15.80
3	64QAM	8	4	15.17	15.33	15.33	15.80
3	64QAM	8	7	15.25	15.30	15.25	15.80
3	64QAM	15	0	15.20	15.37	15.21	15.80
3	256QAM	1	0	15.27	15.42	15.35	15.80
3	256QAM	1	8	15.17	15.40	15.30	15.80
3	256QAM	1	14	15.24	15.32	15.34	15.80
3	256QAM	8	0	15.31	15.37	15.36	15.80
3	256QAM	8	4	15.32	15.33	15.29	15.80
3	256QAM	8	7	15.31	15.42	15.28	15.80
3	256QAM	15	0	15.31	15.33	15.34	15.80
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	15.40	15.37	15.39	15.80
1.4	QPSK	1	3	15.37	15.41	15.30	15.80
1.4	QPSK	1	5	15.24	15.44	15.35	15.80
1.4	QPSK	3	0	15.26	15.34	15.27	15.80
1.4	QPSK	3	1	15.21	15.41	15.22	15.80
1.4	QPSK	3	3	15.22	15.39	15.31	15.80
1.4	QPSK	6	0	15.29	15.37	15.27	15.80
1.4	16QAM	1	0	15.14	15.34	15.24	15.80
1.4	16QAM	1	3	15.25	15.39	15.18	15.80
1.4	16QAM	1	5	15.27	15.33	15.31	15.80
1.4	16QAM	3	0	15.24	15.31	15.35	15.80
1.4	16QAM	3	1	15.23	15.29	15.31	15.80
1.4	16QAM	3	3	15.16	15.38	15.23	15.80
1.4	16QAM	6	0	15.13	15.38	15.27	15.80
1.4	64QAM	1	0	15.26	15.42	15.32	15.80
1.4	64QAM	1	3	15.27	15.33	15.19	15.80
1.4	64QAM	1	5	15.18	15.39	15.24	15.80
1.4	64QAM	3	0	15.22	15.38	15.32	15.80
1.4	64QAM	3	1	15.23	15.32	15.34	15.80
1.4	64QAM	3	3	15.26	15.34	15.31	15.80
1.4	64QAM	6	0	15.24	15.28	15.29	15.80
1.4	256QAM	1	0	15.29	15.39	15.33	15.80
1.4	256QAM	1	3	15.23	15.43	15.35	15.80
1.4	256QAM	1	5	15.32	15.43	15.29	15.80
1.4	256QAM	3	0	15.24	15.37	15.39	15.80
1.4	256QAM	3	1	15.29	15.43	15.32	15.80
1.4	256QAM	3	3	15.26	15.41	15.34	15.80
1.4	256QAM	6	0	15.19	15.32	15.39	15.80

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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				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.20	17.27	17.19	17.50
20	QPSK	1	49	17.14	17.26	17.10	17.50
20	QPSK	1	99	17.10	17.25	17.17	17.50
20	QPSK	50	0	17.12	17.25	17.11	17.50
20	QPSK	50	24	17.07	17.20	17.08	17.50
20	QPSK	50	50	17.05	17.22	17.09	17.50
20	QPSK	100	0	17.10	17.24	17.08	17.50
20	16QAM	1	0	17.04	17.21	17.05	17.50
20	16QAM	1	49	17.06	17.20	17.03	17.50
20	16QAM	1	99	17.03	17.15	17.05	17.50
20	16QAM	50	0	17.05	17.19	17.08	17.50
20	16QAM	50	24	16.99	17.16	17.03	17.50
20	16QAM	50	50	17.05	17.20	17.03	17.50
20	16QAM	100	0	17.02	17.18	17.00	17.50
20	64QAM	1	0	17.10	17.24	17.12	17.50
20	64QAM	1	49	17.07	17.18	17.03	17.50
20	64QAM	1	99	17.05	17.21	17.03	17.50
20	64QAM	50	0	17.10	17.22	17.04	17.50
20	64QAM	50	24	17.06	17.16	17.06	17.50
20	64QAM	50	50	17.14	17.22	17.04	17.50
20	64QAM	100	0	17.00	17.17	17.01	17.50
20	256QAM	1	0	17.17	17.25	17.11	17.50
20	256QAM	1	49	17.06	17.21	17.09	17.50
20	256QAM	1	99	17.11	17.24	17.07	17.50
20	256QAM	50	0	17.12	17.21	17.13	17.50
20	256QAM	50	24	17.11	17.23	17.05	17.50
20	256QAM	50	50	17.12	17.22	17.08	17.50
20	256QAM	100	0	17.09	17.21	17.12	17.50
Channel				26115	26340	26615	Tune-up limit



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Frequency (MHz)				1857.5	1880	1907.5	(dBm)
15	QPSK	1	0	17.10	17.25	17.17	17.50
15	QPSK	1	37	17.06	17.24	17.08	17.50
15	QPSK	1	74	16.99	17.12	17.03	17.50
15	QPSK	36	0	17.07	17.13	16.99	17.50
15	QPSK	36	20	16.95	17.12	17.00	17.50
15	QPSK	36	39	16.99	17.17	17.01	17.50
15	QPSK	75	0	16.97	17.14	17.00	17.50
15	16QAM	1	0	16.89	17.20	17.00	17.50
15	16QAM	1	37	16.98	17.17	16.95	17.50
15	16QAM	1	74	16.96	17.10	16.91	17.50
15	16QAM	36	0	17.02	17.12	17.06	17.50
15	16QAM	36	20	16.96	17.10	16.95	17.50
15	16QAM	36	39	16.90	17.11	16.98	17.50
15	16QAM	75	0	16.89	17.08	16.91	17.50
15	64QAM	1	0	17.08	17.14	17.07	17.50
15	64QAM	1	37	17.04	17.14	16.91	17.50
15	64QAM	1	74	16.99	17.13	16.91	17.50
15	64QAM	36	0	17.05	17.19	17.00	17.50
15	64QAM	36	20	16.95	17.11	16.95	17.50
15	64QAM	36	39	17.08	17.11	16.96	17.50
15	64QAM	75	0	16.92	17.10	16.95	17.50
15	256QAM	1	0	17.10	17.15	17.00	17.50
15	256QAM	1	37	16.99	17.13	16.98	17.50
15	256QAM	1	74	17.10	17.17	17.03	17.50
15	256QAM	36	0	17.03	17.10	16.99	17.50
15	256QAM	36	20	17.00	17.20	16.94	17.50
15	256QAM	36	39	17.05	17.09	16.95	17.50
15	256QAM	75	0	17.04	17.11	17.11	17.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.09	17.24	17.05	17.50
10	QPSK	1	25	17.11	17.18	16.95	17.50
10	QPSK	1	49	17.07	17.23	17.15	17.50
10	QPSK	25	0	17.03	17.14	17.02	17.50
10	QPSK	25	12	16.98	17.15	17.05	17.50
10	QPSK	25	25	16.92	17.16	17.03	17.50
10	QPSK	50	0	17.04	17.23	16.96	17.50
10	16QAM	1	0	17.02	17.18	16.90	17.50
10	16QAM	1	25	16.99	17.08	16.95	17.50
10	16QAM	1	49	17.01	17.13	17.01	17.50
10	16QAM	25	0	17.04	17.14	16.95	17.50
10	16QAM	25	12	16.90	17.14	16.93	17.50
10	16QAM	25	25	16.96	17.15	16.91	17.50
10	16QAM	50	0	16.91	17.12	16.87	17.50
10	64QAM	1	0	16.98	17.19	17.06	17.50
10	64QAM	1	25	16.99	17.04	16.96	17.50
10	64QAM	1	49	17.01	17.16	16.98	17.50
10	64QAM	25	0	16.96	17.21	16.96	17.50
10	64QAM	25	12	17.04	17.04	16.94	17.50
10	64QAM	25	25	17.03	17.09	17.01	17.50
10	64QAM	50	0	16.86	17.04	16.88	17.50
10	256QAM	1	0	17.15	17.20	17.09	17.50
10	256QAM	1	25	16.96	17.11	16.94	17.50
10	256QAM	1	49	17.07	17.11	16.92	17.50
10	256QAM	25	0	17.09	17.12	17.09	17.50
10	256QAM	25	12	17.04	17.20	16.98	17.50
10	256QAM	25	25	17.10	17.15	16.99	17.50
10	256QAM	50	0	16.95	17.10	17.09	17.50
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	17.13	17.21	17.12	17.50
5	QPSK	1	12	17.09	17.21	16.99	17.50
5	QPSK	1	24	17.06	17.19	17.11	17.50
5	QPSK	12	0	17.07	17.20	17.08	17.50
5	QPSK	12	7	17.05	17.17	16.99	17.50
5	QPSK	12	13	16.96	17.18	17.07	17.50
5	QPSK	25	0	17.04	17.24	17.06	17.50
5	16QAM	1	0	16.89	17.16	16.97	17.50
5	16QAM	1	12	16.95	17.08	16.98	17.50
5	16QAM	1	24	16.98	17.11	16.94	17.50
5	16QAM	12	0	16.97	17.13	16.99	17.50
5	16QAM	12	7	16.94	17.10	16.96	17.50
5	16QAM	12	13	16.91	17.10	16.89	17.50
5	16QAM	25	0	16.98	17.12	16.86	17.50
5	64QAM	1	0	17.00	17.15	17.05	17.50
5	64QAM	1	12	16.92	17.13	17.02	17.50
5	64QAM	1	24	16.97	17.18	17.02	17.50

5	64QAM	12	0	17.08	17.10	16.97	17.50
5	64QAM	12	7	17.00	17.12	17.03	17.50
5	64QAM	12	13	17.05	17.14	16.91	17.50
5	64QAM	25	0	16.97	17.16	16.97	17.50
5	256QAM	1	0	17.12	17.15	16.99	17.50
5	256QAM	1	12	16.99	17.15	17.08	17.50
5	256QAM	1	24	17.03	17.18	17.00	17.50
5	256QAM	12	0	17.10	17.09	17.03	17.50
5	256QAM	12	7	16.99	17.18	16.98	17.50
5	256QAM	12	13	17.08	17.11	17.04	17.50
5	256QAM	25	0	17.08	17.15	17.03	17.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.15	17.13	17.08	17.50
3	QPSK	1	8	17.01	17.13	17.07	17.50
3	QPSK	1	14	16.95	17.13	17.05	17.50
3	QPSK	8	0	17.00	17.12	17.01	17.50
3	QPSK	8	4	17.02	17.10	16.98	17.50
3	QPSK	8	7	17.00	17.19	17.05	17.50
3	QPSK	15	0	16.99	17.14	17.06	17.50
3	16QAM	1	0	17.01	17.17	16.92	17.50
3	16QAM	1	8	17.04	17.13	16.91	17.50
3	16QAM	1	14	16.90	17.04	16.92	17.50
3	16QAM	8	0	17.03	17.12	17.07	17.50
3	16QAM	8	4	16.87	17.04	16.90	17.50
3	16QAM	8	7	16.93	17.07	16.96	17.50
3	16QAM	15	0	16.90	17.14	16.96	17.50
3	64QAM	1	0	17.06	17.17	17.02	17.50
3	64QAM	1	8	17.00	17.06	17.00	17.50
3	64QAM	1	14	17.03	17.07	16.94	17.50
3	64QAM	8	0	16.99	17.11	16.90	17.50
3	64QAM	8	4	16.98	17.05	16.98	17.50
3	64QAM	8	7	17.03	17.09	16.95	17.50
3	64QAM	15	0	16.87	17.06	16.99	17.50
3	256QAM	1	0	17.06	17.15	17.00	17.50
3	256QAM	1	8	17.03	17.15	16.95	17.50
3	256QAM	1	14	17.01	17.21	16.93	17.50
3	256QAM	8	0	16.97	17.06	17.08	17.50
3	256QAM	8	4	17.01	17.13	16.93	17.50
3	256QAM	8	7	17.10	17.08	17.03	17.50
3	256QAM	15	0	17.08	17.09	17.05	17.50
Channel				26047	26340	26683	Tune-up limit
Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	17.16	17.25	17.18	17.50
1.4	QPSK	1	3	17.12	17.18	17.00	17.50
1.4	QPSK	1	5	16.99	17.23	17.12	17.50
1.4	QPSK	3	0	17.09	17.18	17.07	17.50
1.4	QPSK	3	1	16.99	17.09	17.01	17.50
1.4	QPSK	3	3	17.00	17.15	17.07	17.50
1.4	QPSK	6	0	17.01	17.15	17.01	17.50
1.4	16QAM	1	0	17.01	17.09	16.99	17.50
1.4	16QAM	1	3	17.04	17.18	17.02	17.50
1.4	16QAM	1	5	16.89	17.11	16.98	17.50
1.4	16QAM	3	0	17.04	17.05	16.97	17.50
1.4	16QAM	3	1	16.88	17.15	16.89	17.50
1.4	16QAM	3	3	16.93	17.11	16.90	17.50
1.4	16QAM	6	0	16.98	17.14	16.96	17.50
1.4	64QAM	1	0	16.98	17.13	17.10	17.50
1.4	64QAM	1	3	16.94	17.12	16.89	17.50
1.4	64QAM	1	5	16.99	17.12	16.90	17.50
1.4	64QAM	3	0	17.00	17.19	16.99	17.50
1.4	64QAM	3	1	17.00	17.08	17.00	17.50
1.4	64QAM	3	3	17.10	17.18	16.95	17.50
1.4	64QAM	6	0	16.88	17.16	17.00	17.50
1.4	256QAM	1	0	17.12	17.13	17.08	17.50
1.4	256QAM	1	3	16.96	17.17	16.98	17.50
1.4	256QAM	1	5	17.09	17.14	16.94	17.50
1.4	256QAM	3	0	17.00	17.20	16.99	17.50
1.4	256QAM	3	1	17.00	17.13	16.93	17.50
1.4	256QAM	3	3	16.98	17.12	17.02	17.50
1.4	256QAM	6	0	16.95	17.08	17.07	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				26140	26340	26590	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.20	17.27	17.19	17.50
20	QPSK	1	49	17.14	17.26	17.10	17.50
20	QPSK	1	99	17.10	17.25	17.17	17.50
20	QPSK	50	0	17.12	17.25	17.11	17.50
20	QPSK	50	24	17.07	17.20	17.08	17.50
20	QPSK	50	50	17.05	17.22	17.09	17.50
20	QPSK	100	0	17.10	17.26	17.08	17.50
20	16QAM	1	0	17.04	17.21	17.05	17.50
20	16QAM	1	49	17.06	17.20	17.03	17.50
20	16QAM	1	99	17.03	17.15	17.05	17.50
20	16QAM	50	0	17.05	17.19	17.08	17.50
20	16QAM	50	24	16.99	17.16	17.03	17.50
20	16QAM	50	50	17.05	17.20	17.03	17.50
20	16QAM	100	0	17.02	17.18	17.00	17.50
20	64QAM	1	0	17.10	17.24	17.12	17.50
20	64QAM	1	49	17.07	17.18	17.03	17.50
20	64QAM	1	99	17.05	17.21	17.03	17.50
20	64QAM	50	0	17.10	17.22	17.04	17.50
20	64QAM	50	24	17.06	17.16	17.06	17.50
20	64QAM	50	50	17.14	17.22	17.04	17.50
20	64QAM	100	0	17.00	17.17	17.01	17.50
20	256QAM	1	0	17.17	17.25	17.11	17.50
20	256QAM	1	49	17.06	17.21	17.09	17.50
20	256QAM	1	99	17.11	17.24	17.07	17.50
20	256QAM	50	0	17.12	17.21	17.13	17.50
20	256QAM	50	24	17.11	17.23	17.05	17.50
20	256QAM	50	50	17.12	17.22	17.08	17.50
20	256QAM	100	0	17.09	17.21	17.12	17.50
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.10	17.25	17.17	17.50
15	QPSK	1	37	17.06	17.24	17.08	17.50
15	QPSK	1	74	16.99	17.12	17.03	17.50
15	QPSK	36	0	17.07	17.13	16.99	17.50
15	QPSK	36	20	16.95	17.12	17.00	17.50
15	QPSK	36	39	16.99	17.17	17.01	17.50
15	QPSK	75	0	16.97	17.14	17.00	17.50
15	16QAM	1	0	16.89	17.20	17.00	17.50
15	16QAM	1	37	16.98	17.17	16.95	17.50
15	16QAM	1	74	16.96	17.10	16.91	17.50
15	16QAM	36	0	17.02	17.12	17.06	17.50
15	16QAM	36	20	16.96	17.10	16.95	17.50
15	16QAM	36	39	16.90	17.11	16.98	17.50
15	16QAM	75	0	16.89	17.08	16.91	17.50
15	64QAM	1	0	17.08	17.14	17.07	17.50
15	64QAM	1	37	17.04	17.14	16.91	17.50
15	64QAM	1	74	16.99	17.13	16.91	17.50
15	64QAM	36	0	17.05	17.19	17.00	17.50
15	64QAM	36	20	16.95	17.11	16.95	17.50
15	64QAM	36	39	17.08	17.11	16.96	17.50
15	64QAM	75	0	16.92	17.10	16.95	17.50
15	256QAM	1	0	17.10	17.15	17.00	17.50
15	256QAM	1	37	16.99	17.13	16.98	17.50
15	256QAM	1	74	17.10	17.17	17.03	17.50
15	256QAM	36	0	17.03	17.10	16.99	17.50
15	256QAM	36	20	17.00	17.20	16.94	17.50
15	256QAM	36	39	17.05	17.09	16.95	17.50
15	256QAM	75	0	17.04	17.11	17.11	17.50
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	17.09	17.24	17.05	17.50
10	QPSK	1	25	17.11	17.18	16.95	17.50
10	QPSK	1	49	17.07	17.23	17.15	17.50
10	QPSK	25	0	17.03	17.14	17.02	17.50
10	QPSK	25	12	16.98	17.15	17.05	17.50
10	QPSK	25	25	16.92	17.16	17.03	17.50
10	QPSK	50	0	17.04	17.23	16.96	17.50
10	16QAM	1	0	17.02	17.18	16.90	17.50
10	16QAM	1	25	16.99	17.08	16.95	17.50
10	16QAM	1	49	17.01	17.13	17.01	17.50
10	16QAM	25	0	17.04	17.14	16.95	17.50



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10	16QAM	25	12	16.90	17.14	16.93	17.50
10	16QAM	25	25	16.96	17.15	16.91	17.50
10	16QAM	50	0	16.91	17.12	16.87	17.50
10	64QAM	1	0	16.98	17.19	17.06	17.50
10	64QAM	1	25	16.99	17.04	16.96	17.50
10	64QAM	1	49	17.01	17.16	16.98	17.50
10	64QAM	25	0	16.96	17.21	16.96	17.50
10	64QAM	25	12	17.04	17.04	16.94	17.50
10	64QAM	25	25	17.03	17.09	17.01	17.50
10	64QAM	50	0	16.86	17.04	16.88	17.50
10	256QAM	1	0	17.15	17.20	17.09	17.50
10	256QAM	1	25	16.96	17.11	16.94	17.50
10	256QAM	1	49	17.07	17.11	16.92	17.50
10	256QAM	25	0	17.09	17.12	17.09	17.50
10	256QAM	25	12	17.04	17.20	16.98	17.50
10	256QAM	25	25	17.10	17.15	16.99	17.50
10	256QAM	50	0	16.95	17.10	17.09	17.50
Channel				26065	26340	26665	Tune-up limit
Frequency (MHz)				1852.5	1880	1912.5	(dBm)
5	QPSK	1	0	17.13	17.21	17.12	17.50
5	QPSK	1	12	17.09	17.21	16.99	17.50
5	QPSK	1	24	17.06	17.19	17.11	17.50
5	QPSK	12	0	17.07	17.20	17.08	17.50
5	QPSK	12	7	17.05	17.17	16.99	17.50
5	QPSK	12	13	16.96	17.18	17.07	17.50
5	QPSK	25	0	17.04	17.24	17.06	17.50
5	16QAM	1	0	16.89	17.16	16.97	17.50
5	16QAM	1	12	16.95	17.08	16.98	17.50
5	16QAM	1	24	16.98	17.11	16.94	17.50
5	16QAM	12	0	16.97	17.13	16.99	17.50
5	16QAM	12	7	16.94	17.10	16.96	17.50
5	16QAM	12	13	16.91	17.10	16.89	17.50
5	16QAM	25	0	16.98	17.12	16.86	17.50
5	64QAM	1	0	17.00	17.15	17.05	17.50
5	64QAM	1	12	16.92	17.13	17.02	17.50
5	64QAM	1	24	16.97	17.18	17.02	17.50
5	64QAM	12	0	17.08	17.10	16.97	17.50
5	64QAM	12	7	17.00	17.12	17.03	17.50
5	64QAM	12	13	17.05	17.14	16.91	17.50
5	64QAM	25	0	16.97	17.16	16.97	17.50
5	256QAM	1	0	17.12	17.15	16.99	17.50
5	256QAM	1	12	16.99	17.15	17.08	17.50
5	256QAM	1	24	17.03	17.18	17.00	17.50
5	256QAM	12	0	17.10	17.09	17.03	17.50
5	256QAM	12	7	16.99	17.18	16.98	17.50
5	256QAM	12	13	17.08	17.11	17.04	17.50
5	256QAM	25	0	17.08	17.15	17.03	17.50
Channel				26055	26340	26675	Tune-up limit
Frequency (MHz)				1851.5	1880	1913.5	(dBm)
3	QPSK	1	0	17.15	17.13	17.08	17.50
3	QPSK	1	8	17.01	17.13	17.07	17.50
3	QPSK	1	14	16.95	17.13	17.05	17.50
3	QPSK	8	0	17.00	17.12	17.01	17.50
3	QPSK	8	4	17.02	17.10	16.98	17.50
3	QPSK	8	7	17.00	17.19	17.05	17.50
3	QPSK	15	0	16.99	17.14	17.06	17.50
3	16QAM	1	0	17.01	17.17	16.92	17.50
3	16QAM	1	8	17.04	17.13	16.91	17.50
3	16QAM	1	14	16.90	17.04	16.92	17.50
3	16QAM	8	0	17.03	17.12	17.07	17.50
3	16QAM	8	4	16.87	17.04	16.90	17.50
3	16QAM	8	7	16.93	17.07	16.96	17.50
3	16QAM	15	0	16.90	17.14	16.96	17.50
3	64QAM	1	0	17.06	17.17	17.02	17.50
3	64QAM	1	8	17.00	17.06	17.00	17.50
3	64QAM	1	14	17.03	17.07	16.94	17.50
3	64QAM	8	0	16.99	17.11	16.90	17.50
3	64QAM	8	4	16.98	17.05	16.98	17.50
3	64QAM	8	7	17.03	17.09	16.95	17.50
3	64QAM	15	0	16.87	17.06	16.99	17.50
3	256QAM	1	0	17.06	17.15	17.00	17.50
3	256QAM	1	8	17.03	17.15	16.95	17.50
3	256QAM	1	14	17.01	17.21	16.93	17.50
3	256QAM	8	0	16.97	17.06	17.08	17.50
3	256QAM	8	4	17.01	17.13	16.93	17.50
3	256QAM	8	7	17.10	17.08	17.03	17.50
3	256QAM	15	0	17.08	17.09	17.05	17.50
Channel				26047	26340	26683	Tune-up limit

Frequency (MHz)				1850.7	1880	1914.3	(dBm)
1.4	QPSK	1	0	17.16	17.25	17.18	17.50
1.4	QPSK	1	3	17.12	17.18	17.00	17.50
1.4	QPSK	1	5	16.99	17.23	17.12	17.50
1.4	QPSK	3	0	17.09	17.18	17.07	17.50
1.4	QPSK	3	1	16.99	17.09	17.01	17.50
1.4	QPSK	3	3	17.00	17.15	17.07	17.50
1.4	QPSK	6	0	17.01	17.15	17.01	17.50
1.4	16QAM	1	0	17.01	17.09	16.99	17.50
1.4	16QAM	1	3	17.04	17.18	17.02	17.50
1.4	16QAM	1	5	16.89	17.11	16.98	17.50
1.4	16QAM	3	0	17.04	17.05	16.97	17.50
1.4	16QAM	3	1	16.88	17.15	16.89	17.50
1.4	16QAM	3	3	16.93	17.11	16.90	17.50
1.4	16QAM	6	0	16.98	17.14	16.96	17.50
1.4	64QAM	1	0	16.98	17.13	17.10	17.50
1.4	64QAM	1	3	16.94	17.12	16.89	17.50
1.4	64QAM	1	5	16.99	17.12	16.90	17.50
1.4	64QAM	3	0	17.00	17.19	16.99	17.50
1.4	64QAM	3	1	17.00	17.08	17.00	17.50
1.4	64QAM	3	3	17.10	17.18	16.95	17.50
1.4	64QAM	6	0	16.88	17.16	17.00	17.50
1.4	256QAM	1	0	17.12	17.13	17.08	17.50
1.4	256QAM	1	3	16.96	17.17	16.98	17.50
1.4	256QAM	1	5	17.09	17.14	16.94	17.50
1.4	256QAM	3	0	17.00	17.20	16.99	17.50
1.4	256QAM	3	1	17.00	17.13	16.93	17.50
1.4	256QAM	3	3	16.98	17.12	17.02	17.50
1.4	256QAM	6	0	16.95	17.08	17.07	17.50

【LTE Band 26__FCC (814~849MHz)_Ant 0_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.47	24.37	25.50
15	QPSK	1	37	24.37	24.21	24.18	25.50
15	QPSK	1	74	24.36	24.29	24.18	25.50
15	QPSK	36	0	23.90	23.84	23.74	24.50
15	QPSK	36	20	23.81	23.78	23.69	24.50
15	QPSK	36	39	23.77	23.76	23.66	24.50
15	QPSK	75	0	23.88	23.80	23.72	24.50
15	16QAM	1	0	24.20	24.07	24.03	24.50
15	16QAM	1	37	24.21	24.16	23.98	24.50
15	16QAM	1	74	24.01	23.98	23.80	24.50
15	16QAM	36	0	22.84	22.81	22.73	23.50
15	16QAM	36	20	22.83	22.79	22.71	23.50
15	16QAM	36	39	22.80	22.74	22.63	23.50
15	16QAM	75	0	22.81	22.79	22.71	23.50
15	64QAM	1	0	22.95	23.01	22.86	23.50
15	64QAM	1	37	23.22	22.99	22.92	23.50
15	64QAM	1	74	22.90	22.85	22.71	23.50
15	64QAM	36	0	21.86	21.84	21.75	22.50
15	64QAM	36	20	21.91	21.79	21.72	22.50
15	64QAM	36	39	21.80	21.76	21.67	22.50
15	64QAM	75	0	21.85	21.76	21.72	22.50
15	256QAM	1	0	19.95	20.00	19.85	20.50
15	256QAM	1	37	19.72	19.69	19.64	20.50
15	256QAM	1	74	19.85	19.90	19.70	20.50
15	256QAM	36	0	19.85	19.84	19.71	20.50
15	256QAM	36	20	19.84	19.78	19.71	20.50
15	256QAM	36	39	19.79	19.76	19.67	20.50
15	256QAM	75	0	19.81	19.75	19.70	20.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.42	24.32	24.22	25.50
10	QPSK	1	25	24.23	24.16	24.13	25.50
10	QPSK	1	49	24.28	24.26	24.12	25.50
10	QPSK	25	0	23.86	23.79	23.68	24.50
10	QPSK	25	12	23.68	23.77	23.61	24.50
10	QPSK	25	25	23.70	23.71	23.65	24.50
10	QPSK	50	0	23.80	23.70	23.66	24.50
10	16QAM	1	0	24.08	24.04	23.98	24.50
10	16QAM	1	25	24.11	24.08	23.92	24.50
10	16QAM	1	49	23.95	23.88	23.74	24.50
10	16QAM	25	0	22.82	22.76	22.69	23.50



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10	16QAM	25	12	22.71	22.66	22.64	23.50
10	16QAM	25	25	22.69	22.59	22.61	23.50
10	16QAM	50	0	22.73	22.67	22.57	23.50
10	64QAM	1	0	22.90	22.96	22.76	23.50
10	64QAM	1	25	23.18	22.92	22.80	23.50
10	64QAM	1	49	22.80	22.76	22.67	23.50
10	64QAM	25	0	21.79	21.72	21.61	22.50
10	64QAM	25	12	21.86	21.73	21.60	22.50
10	64QAM	25	25	21.76	21.69	21.65	22.50
10	64QAM	50	0	21.71	21.64	21.68	22.50
10	256QAM	1	0	19.82	19.88	19.79	20.50
10	256QAM	1	25	19.58	19.60	19.50	20.50
10	256QAM	1	49	19.74	19.86	19.67	20.50
10	256QAM	25	0	19.77	19.81	19.66	20.50
10	256QAM	25	12	19.79	19.76	19.57	20.50
10	256QAM	25	25	19.71	19.68	19.55	20.50
10	256QAM	50	0	19.75	19.66	19.57	20.50
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	24.42	24.44	24.22	25.50
5	QPSK	1	12	24.36	24.09	24.10	25.50
5	QPSK	1	24	24.31	24.14	24.14	25.50
5	QPSK	12	0	23.85	23.72	23.60	24.50
5	QPSK	12	7	23.68	23.73	23.57	24.50
5	QPSK	12	13	23.72	23.64	23.53	24.50
5	QPSK	25	0	23.84	23.77	23.57	24.50
5	16QAM	1	0	24.17	24.01	23.92	24.50
5	16QAM	1	12	24.11	24.01	23.95	24.50
5	16QAM	1	24	23.90	23.96	23.69	24.50
5	16QAM	12	0	22.76	22.78	22.72	23.50
5	16QAM	12	7	22.69	22.65	22.67	23.50
5	16QAM	12	13	22.71	22.60	22.58	23.50
5	16QAM	25	0	22.66	22.77	22.58	23.50
5	64QAM	1	0	22.91	22.90	22.79	23.50
5	64QAM	1	12	23.11	22.95	22.82	23.50
5	64QAM	1	24	22.87	22.71	22.64	23.50
5	64QAM	12	0	21.77	21.71	21.69	22.50
5	64QAM	12	7	21.81	21.66	21.61	22.50
5	64QAM	12	13	21.78	21.66	21.54	22.50
5	64QAM	25	0	21.83	21.68	21.64	22.50
5	256QAM	1	0	19.91	19.90	19.71	20.50
5	256QAM	1	12	19.62	19.61	19.53	20.50
5	256QAM	1	24	19.74	19.84	19.66	20.50
5	256QAM	12	0	19.79	19.79	19.68	20.50
5	256QAM	12	7	19.81	19.72	19.63	20.50
5	256QAM	12	13	19.73	19.69	19.66	20.50
5	256QAM	25	0	19.78	19.62	19.58	20.50
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.41	24.37	24.35	25.50
3	QPSK	1	8	24.25	24.13	24.07	25.50
3	QPSK	1	14	24.27	24.24	24.13	25.50
3	QPSK	8	0	23.76	23.73	23.69	24.50
3	QPSK	8	4	23.75	23.69	23.56	24.50
3	QPSK	8	7	23.64	23.69	23.58	24.50
3	QPSK	15	0	23.80	23.65	23.65	24.50
3	16QAM	1	0	24.14	23.94	23.89	24.50
3	16QAM	1	8	24.08	24.14	23.95	24.50
3	16QAM	1	14	23.91	23.90	23.70	24.50
3	16QAM	8	0	22.74	22.78	22.66	23.50
3	16QAM	8	4	22.71	22.77	22.57	23.50
3	16QAM	8	7	22.72	22.63	22.58	23.50
3	16QAM	15	0	22.76	22.65	22.59	23.50
3	64QAM	1	0	22.91	22.94	22.75	23.50
3	64QAM	1	8	23.21	22.84	22.81	23.50
3	64QAM	1	14	22.83	22.82	22.67	23.50
3	64QAM	8	0	21.79	21.79	21.62	22.50
3	64QAM	8	4	21.90	21.68	21.62	22.50
3	64QAM	8	7	21.71	21.70	21.58	22.50
3	64QAM	15	0	21.82	21.73	21.64	22.50
3	256QAM	1	0	19.90	19.94	19.80	20.50
3	256QAM	1	8	19.63	19.60	19.61	20.50
3	256QAM	1	14	19.76	19.81	19.60	20.50
3	256QAM	8	0	19.83	19.73	19.59	20.50
3	256QAM	8	4	19.81	19.64	19.66	20.50
3	256QAM	8	7	19.69	19.64	19.53	20.50
3	256QAM	15	0	19.67	19.66	19.66	20.50
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.42	24.38	24.35	25.50
1.4	QPSK	1	3	24.36	24.16	24.12	25.50
1.4	QPSK	1	5	24.23	24.15	24.11	25.50
1.4	QPSK	3	0	24.29	24.24	24.10	25.50
1.4	QPSK	3	1	24.25	24.23	24.17	25.50
1.4	QPSK	3	3	24.22	24.22	24.01	25.50
1.4	QPSK	6	0	23.78	23.72	23.60	24.50
1.4	16QAM	1	0	24.17	23.96	24.01	24.50
1.4	16QAM	1	3	24.19	24.13	23.89	24.50
1.4	16QAM	1	5	23.97	23.94	23.66	24.50
1.4	16QAM	3	0	23.01	23.00	22.82	24.50
1.4	16QAM	3	1	22.95	22.87	22.87	24.50
1.4	16QAM	3	3	22.98	22.83	22.81	24.50
1.4	16QAM	6	0	22.72	22.65	22.65	23.50
1.4	64QAM	1	0	22.82	22.87	22.81	23.50
1.4	64QAM	1	3	23.15	22.97	22.82	23.50
1.4	64QAM	1	5	22.79	22.80	22.60	23.50
1.4	64QAM	3	0	21.99	22.02	21.87	23.50
1.4	64QAM	3	1	22.06	21.90	21.89	23.50
1.4	64QAM	3	3	21.98	21.91	21.84	23.50
1.4	64QAM	6	0	21.79	21.74	21.62	22.50
1.4	256QAM	1	0	19.86	19.96	19.72	20.50
1.4	256QAM	1	3	19.71	19.54	19.61	20.50
1.4	256QAM	1	5	19.73	19.82	19.58	20.50
1.4	256QAM	3	0	19.74	19.82	19.67	20.50
1.4	256QAM	3	1	19.78	19.72	19.58	20.50
1.4	256QAM	3	3	19.65	19.69	19.55	20.50
1.4	256QAM	6	0	19.70	19.65	19.59	20.50

【LTE Band 26_FCC (814~849MHz)_Ant 0_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.47	24.37	25.50
15	QPSK	1	37	24.37	24.21	24.18	25.50
15	QPSK	1	74	24.36	24.29	24.18	25.50
15	QPSK	36	0	23.90	23.84	23.74	24.50
15	QPSK	36	20	23.81	23.78	23.69	24.50
15	QPSK	36	39	23.77	23.76	23.66	24.50
15	QPSK	75	0	23.88	23.80	23.72	24.50
15	16QAM	1	0	24.20	24.07	24.03	24.50
15	16QAM	1	37	24.21	24.16	23.98	24.50
15	16QAM	1	74	24.01	23.98	23.80	24.50
15	16QAM	36	0	22.84	22.81	22.73	23.50
15	16QAM	36	20	22.83	22.79	22.71	23.50
15	16QAM	36	39	22.80	22.74	22.63	23.50
15	16QAM	75	0	22.81	22.79	22.71	23.50
15	64QAM	1	0	22.95	23.01	22.86	23.50
15	64QAM	1	37	23.22	22.99	22.92	23.50
15	64QAM	1	74	22.90	22.85	22.71	23.50
15	64QAM	36	0	21.86	21.84	21.75	22.50
15	64QAM	36	20	21.91	21.79	21.72	22.50
15	64QAM	36	39	21.80	21.76	21.67	22.50
15	64QAM	75	0	21.85	21.76	21.72	22.50
15	256QAM	1	0	19.95	20.00	19.85	20.50
15	256QAM	1	37	19.72	19.69	19.64	20.50
15	256QAM	1	74	19.85	19.90	19.70	20.50
15	256QAM	36	0	19.85	19.84	19.71	20.50
15	256QAM	36	20	19.84	19.78	19.71	20.50
15	256QAM	36	39	19.79	19.76	19.67	20.50
15	256QAM	75	0	19.81	19.75	19.70	20.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.42	24.32	24.22	25.50
10	QPSK	1	25	24.23	24.16	24.13	25.50
10	QPSK	1	49	24.28	24.26	24.12	25.50
10	QPSK	25	0	23.86	23.79	23.68	24.50
10	QPSK	25	12	23.68	23.77	23.61	24.50
10	QPSK	25	25	23.70	23.71	23.65	24.50
10	QPSK	50	0	23.80	23.70	23.66	24.50
10	16QAM	1	0	24.08	24.04	23.98	24.50
10	16QAM	1	25	24.11	24.08	23.92	24.50
10	16QAM	1	49	23.95	23.88	23.74	24.50
10	16QAM	25	0	22.82	22.76	22.69	23.50



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10	16QAM	25	12	22.71	22.66	22.64	23.50
10	16QAM	25	25	22.69	22.59	22.61	23.50
10	16QAM	50	0	22.73	22.67	22.57	23.50
10	64QAM	1	0	22.90	22.96	22.76	23.50
10	64QAM	1	25	23.18	22.92	22.80	23.50
10	64QAM	1	49	22.80	22.76	22.67	23.50
10	64QAM	25	0	21.79	21.72	21.61	22.50
10	64QAM	25	12	21.86	21.73	21.60	22.50
10	64QAM	25	25	21.76	21.69	21.65	22.50
10	64QAM	50	0	21.71	21.64	21.68	22.50
10	256QAM	1	0	19.82	19.88	19.79	20.50
10	256QAM	1	25	19.58	19.60	19.50	20.50
10	256QAM	1	49	19.74	19.86	19.67	20.50
10	256QAM	25	0	19.77	19.81	19.66	20.50
10	256QAM	25	12	19.79	19.76	19.57	20.50
10	256QAM	25	25	19.71	19.68	19.55	20.50
10	256QAM	50	0	19.75	19.66	19.57	20.50
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	24.42	24.44	24.22	25.50
5	QPSK	1	12	24.36	24.09	24.10	25.50
5	QPSK	1	24	24.31	24.14	24.14	25.50
5	QPSK	12	0	23.85	23.72	23.60	24.50
5	QPSK	12	7	23.68	23.73	23.57	24.50
5	QPSK	12	13	23.72	23.64	23.53	24.50
5	QPSK	25	0	23.84	23.77	23.57	24.50
5	16QAM	1	0	24.17	24.01	23.92	24.50
5	16QAM	1	12	24.11	24.01	23.95	24.50
5	16QAM	1	24	23.90	23.96	23.69	24.50
5	16QAM	12	0	22.76	22.78	22.72	23.50
5	16QAM	12	7	22.69	22.65	22.67	23.50
5	16QAM	12	13	22.71	22.60	22.58	23.50
5	16QAM	25	0	22.66	22.77	22.58	23.50
5	64QAM	1	0	22.91	22.90	22.79	23.50
5	64QAM	1	12	23.11	22.95	22.82	23.50
5	64QAM	1	24	22.87	22.71	22.64	23.50
5	64QAM	12	0	21.77	21.71	21.69	22.50
5	64QAM	12	7	21.81	21.66	21.61	22.50
5	64QAM	12	13	21.78	21.66	21.54	22.50
5	64QAM	25	0	21.83	21.68	21.64	22.50
5	256QAM	1	0	19.91	19.90	19.71	20.50
5	256QAM	1	12	19.62	19.61	19.53	20.50
5	256QAM	1	24	19.74	19.84	19.66	20.50
5	256QAM	12	0	19.79	19.79	19.68	20.50
5	256QAM	12	7	19.81	19.72	19.63	20.50
5	256QAM	12	13	19.73	19.69	19.66	20.50
5	256QAM	25	0	19.78	19.62	19.58	20.50
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.41	24.37	24.35	25.50
3	QPSK	1	8	24.25	24.13	24.07	25.50
3	QPSK	1	14	24.27	24.24	24.13	25.50
3	QPSK	8	0	23.76	23.73	23.69	24.50
3	QPSK	8	4	23.75	23.69	23.56	24.50
3	QPSK	8	7	23.64	23.69	23.58	24.50
3	QPSK	15	0	23.80	23.65	23.65	24.50
3	16QAM	1	0	24.14	23.94	23.89	24.50
3	16QAM	1	8	24.08	24.14	23.95	24.50
3	16QAM	1	14	23.91	23.90	23.70	24.50
3	16QAM	8	0	22.74	22.78	22.66	23.50
3	16QAM	8	4	22.71	22.77	22.57	23.50
3	16QAM	8	7	22.72	22.63	22.58	23.50
3	16QAM	15	0	22.76	22.65	22.59	23.50
3	64QAM	1	0	22.91	22.94	22.75	23.50
3	64QAM	1	8	23.21	22.84	22.81	23.50
3	64QAM	1	14	22.83	22.82	22.67	23.50
3	64QAM	8	0	21.79	21.79	21.62	22.50
3	64QAM	8	4	21.90	21.68	21.62	22.50
3	64QAM	8	7	21.71	21.70	21.58	22.50
3	64QAM	15	0	21.82	21.73	21.64	22.50
3	256QAM	1	0	19.90	19.94	19.80	20.50
3	256QAM	1	8	19.63	19.60	19.61	20.50
3	256QAM	1	14	19.76	19.81	19.60	20.50
3	256QAM	8	0	19.83	19.73	19.59	20.50
3	256QAM	8	4	19.81	19.64	19.66	20.50
3	256QAM	8	7	19.69	19.64	19.53	20.50
3	256QAM	15	0	19.67	19.66	19.66	20.50
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.42	24.38	24.35	25.50
1.4	QPSK	1	3	24.36	24.16	24.12	25.50
1.4	QPSK	1	5	24.23	24.15	24.11	25.50
1.4	QPSK	3	0	23.79	23.74	23.60	25.50
1.4	QPSK	3	1	23.75	23.73	23.67	25.50
1.4	QPSK	3	3	23.72	23.72	23.51	25.50
1.4	QPSK	6	0	23.78	23.72	23.60	24.50
1.4	16QAM	1	0	24.17	23.96	24.01	24.50
1.4	16QAM	1	3	24.19	24.13	23.89	24.50
1.4	16QAM	1	5	23.97	23.94	23.66	24.50
1.4	16QAM	3	0	22.81	22.80	22.62	24.50
1.4	16QAM	3	1	22.75	22.67	22.67	24.50
1.4	16QAM	3	3	22.78	22.63	22.61	24.50
1.4	16QAM	6	0	22.72	22.65	22.65	23.50
1.4	64QAM	1	0	22.82	22.87	22.81	23.50
1.4	64QAM	1	3	23.15	22.97	22.82	23.50
1.4	64QAM	1	5	22.79	22.80	22.60	23.50
1.4	64QAM	3	0	21.79	21.82	21.67	23.50
1.4	64QAM	3	1	21.86	21.70	21.69	23.50
1.4	64QAM	3	3	21.78	21.71	21.64	23.50
1.4	64QAM	6	0	21.79	21.74	21.62	22.50
1.4	256QAM	1	0	19.86	19.96	19.72	20.50
1.4	256QAM	1	3	19.71	19.54	19.61	20.50
1.4	256QAM	1	5	19.73	19.82	19.58	20.50
1.4	256QAM	3	0	19.74	19.82	19.67	20.50
1.4	256QAM	3	1	19.78	19.72	19.58	20.50
1.4	256QAM	3	3	19.65	19.69	19.55	20.50
1.4	256QAM	6	0	19.70	19.65	19.59	20.50

【LTE Band 26_FCC (814~849MHz)_Ant 0_Index 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.51	24.47	24.37	25.50
15	QPSK	1	37	24.37	24.21	24.18	25.50
15	QPSK	1	74	24.36	24.29	24.18	25.50
15	QPSK	36	0	23.90	23.84	23.74	24.50
15	QPSK	36	20	23.81	23.78	23.69	24.50
15	QPSK	36	39	23.77	23.76	23.66	24.50
15	QPSK	75	0	23.88	23.80	23.72	24.50
15	16QAM	1	0	24.20	24.07	24.03	24.50
15	16QAM	1	37	24.21	24.16	23.98	24.50
15	16QAM	1	74	24.01	23.98	23.80	24.50
15	16QAM	36	0	22.84	22.81	22.73	23.50
15	16QAM	36	20	22.83	22.79	22.71	23.50
15	16QAM	36	39	22.80	22.74	22.63	23.50
15	16QAM	75	0	22.81	22.79	22.71	23.50
15	64QAM	1	0	22.95	23.01	22.86	23.50
15	64QAM	1	37	23.22	22.99	22.92	23.50
15	64QAM	1	74	22.90	22.85	22.71	23.50
15	64QAM	36	0	21.86	21.84	21.75	22.50
15	64QAM	36	20	21.91	21.79	21.72	22.50
15	64QAM	36	39	21.80	21.76	21.67	22.50
15	64QAM	75	0	21.85	21.76	21.72	22.50
15	256QAM	1	0	19.95	20.00	19.85	20.50
15	256QAM	1	37	19.72	19.69	19.64	20.50
15	256QAM	1	74	19.85	19.90	19.70	20.50
15	256QAM	36	0	19.85	19.84	19.71	20.50
15	256QAM	36	20	19.84	19.78	19.71	20.50
15	256QAM	36	39	19.79	19.76	19.67	20.50
15	256QAM	75	0	19.81	19.75	19.70	20.50
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.42	24.32	24.22	25.50
10	QPSK	1	25	24.23	24.16	24.13	25.50
10	QPSK	1	49	24.28	24.26	24.12	25.50
10	QPSK	25	0	23.86	23.79	23.68	24.50
10	QPSK	25	12	23.68	23.77	23.61	24.50
10	QPSK	25	25	23.70	23.71	23.65	24.50
10	QPSK	50	0	23.80	23.70	23.66	24.50
10	16QAM	1	0	24.08	24.04	23.98	24.50
10	16QAM	1	25	24.11	24.08	23.92	24.50
10	16QAM	1	49	23.95	23.88	23.74	24.50
10	16QAM	25	0	22.82	22.76	22.69	23.50



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10	16QAM	25	12	22.71	22.66	22.64	23.50
10	16QAM	25	25	22.69	22.59	22.61	23.50
10	16QAM	50	0	22.73	22.67	22.57	23.50
10	64QAM	1	0	22.90	22.96	22.76	23.50
10	64QAM	1	25	23.18	22.92	22.80	23.50
10	64QAM	1	49	22.80	22.76	22.67	23.50
10	64QAM	25	0	21.79	21.72	21.61	22.50
10	64QAM	25	12	21.86	21.73	21.60	22.50
10	64QAM	25	25	21.76	21.69	21.65	22.50
10	64QAM	50	0	21.71	21.64	21.68	22.50
10	256QAM	1	0	19.82	19.88	19.79	20.50
10	256QAM	1	25	19.58	19.60	19.50	20.50
10	256QAM	1	49	19.74	19.86	19.67	20.50
10	256QAM	25	0	19.77	19.81	19.66	20.50
10	256QAM	25	12	19.79	19.76	19.57	20.50
10	256QAM	25	25	19.71	19.68	19.55	20.50
10	256QAM	50	0	19.75	19.66	19.57	20.50
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	24.42	24.44	24.22	25.50
5	QPSK	1	12	24.36	24.09	24.10	25.50
5	QPSK	1	24	24.31	24.14	24.14	25.50
5	QPSK	12	0	23.85	23.72	23.60	24.50
5	QPSK	12	7	23.68	23.73	23.57	24.50
5	QPSK	12	13	23.72	23.64	23.53	24.50
5	QPSK	25	0	23.84	23.77	23.57	24.50
5	16QAM	1	0	24.17	24.01	23.92	24.50
5	16QAM	1	12	24.11	24.01	23.95	24.50
5	16QAM	1	24	23.90	23.96	23.69	24.50
5	16QAM	12	0	22.76	22.78	22.72	23.50
5	16QAM	12	7	22.69	22.65	22.67	23.50
5	16QAM	12	13	22.71	22.60	22.58	23.50
5	16QAM	25	0	22.66	22.77	22.58	23.50
5	64QAM	1	0	22.91	22.90	22.79	23.50
5	64QAM	1	12	23.11	22.95	22.82	23.50
5	64QAM	1	24	22.87	22.71	22.64	23.50
5	64QAM	12	0	21.77	21.71	21.69	22.50
5	64QAM	12	7	21.81	21.66	21.61	22.50
5	64QAM	12	13	21.78	21.66	21.54	22.50
5	64QAM	25	0	21.83	21.68	21.64	22.50
5	256QAM	1	0	19.91	19.90	19.71	20.50
5	256QAM	1	12	19.62	19.61	19.53	20.50
5	256QAM	1	24	19.74	19.84	19.66	20.50
5	256QAM	12	0	19.79	19.79	19.68	20.50
5	256QAM	12	7	19.81	19.72	19.63	20.50
5	256QAM	12	13	19.73	19.69	19.66	20.50
5	256QAM	25	0	19.78	19.62	19.58	20.50
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.41	24.37	24.35	25.50
3	QPSK	1	8	24.25	24.13	24.07	25.50
3	QPSK	1	14	24.27	24.24	24.13	25.50
3	QPSK	8	0	23.76	23.73	23.69	24.50
3	QPSK	8	4	23.75	23.69	23.56	24.50
3	QPSK	8	7	23.64	23.69	23.58	24.50
3	QPSK	15	0	23.80	23.65	23.65	24.50
3	16QAM	1	0	24.14	23.94	23.89	24.50
3	16QAM	1	8	24.08	24.14	23.95	24.50
3	16QAM	1	14	23.91	23.90	23.70	24.50
3	16QAM	8	0	22.74	22.78	22.66	23.50
3	16QAM	8	4	22.71	22.77	22.57	23.50
3	16QAM	8	7	22.72	22.63	22.58	23.50
3	16QAM	15	0	22.76	22.65	22.59	23.50
3	64QAM	1	0	22.91	22.94	22.75	23.50
3	64QAM	1	8	23.21	22.84	22.81	23.50
3	64QAM	1	14	22.83	22.82	22.67	23.50
3	64QAM	8	0	21.79	21.79	21.62	22.50
3	64QAM	8	4	21.90	21.68	21.62	22.50
3	64QAM	8	7	21.71	21.70	21.58	22.50
3	64QAM	15	0	21.82	21.73	21.64	22.50
3	256QAM	1	0	19.90	19.94	19.80	20.50
3	256QAM	1	8	19.63	19.60	19.61	20.50
3	256QAM	1	14	19.76	19.81	19.60	20.50
3	256QAM	8	0	19.83	19.73	19.59	20.50
3	256QAM	8	4	19.81	19.64	19.66	20.50
3	256QAM	8	7	19.69	19.64	19.53	20.50
3	256QAM	15	0	19.67	19.66	19.66	20.50
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.42	24.38	24.35	25.50
1.4	QPSK	1	3	24.36	24.16	24.12	25.50
1.4	QPSK	1	5	24.23	24.15	24.11	25.50
1.4	QPSK	3	0	23.79	23.74	23.60	25.50
1.4	QPSK	3	1	23.75	23.73	23.67	25.50
1.4	QPSK	3	3	23.72	23.72	23.51	25.50
1.4	QPSK	6	0	23.78	23.72	23.60	24.50
1.4	16QAM	1	0	24.17	23.96	24.01	24.50
1.4	16QAM	1	3	24.19	24.13	23.89	24.50
1.4	16QAM	1	5	23.97	23.94	23.66	24.50
1.4	16QAM	3	0	22.81	22.80	22.62	24.50
1.4	16QAM	3	1	22.75	22.67	22.67	24.50
1.4	16QAM	3	3	22.78	22.63	22.61	24.50
1.4	16QAM	6	0	22.72	22.65	22.65	23.50
1.4	64QAM	1	0	22.82	22.87	22.81	23.50
1.4	64QAM	1	3	23.15	22.97	22.82	23.50
1.4	64QAM	1	5	22.79	22.80	22.60	23.50
1.4	64QAM	3	0	21.79	21.82	21.67	23.50
1.4	64QAM	3	1	21.86	21.70	21.69	23.50
1.4	64QAM	3	3	21.78	21.71	21.64	23.50
1.4	64QAM	6	0	21.79	21.74	21.62	22.50
1.4	256QAM	1	0	19.86	19.96	19.72	20.50
1.4	256QAM	1	3	19.71	19.54	19.61	20.50
1.4	256QAM	1	5	19.73	19.82	19.58	20.50
1.4	256QAM	3	0	19.74	19.82	19.67	20.50
1.4	256QAM	3	1	19.78	19.72	19.58	20.50
1.4	256QAM	3	3	19.65	19.69	19.55	20.50
1.4	256QAM	6	0	19.70	19.65	19.59	20.50

【LTE Band 26_FCC (814~849MHz)_Ant 0_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	24.21	24.12	24.05	24.40
15	QPSK	1	37	24.03	23.88	23.81	24.40
15	QPSK	1	74	24.02	23.96	23.86	24.40
15	QPSK	36	0	23.80	23.78	23.74	24.40
15	QPSK	36	20	23.81	23.74	23.62	24.40
15	QPSK	36	39	23.76	23.69	23.63	24.40
15	QPSK	75	0	23.80	23.75	23.62	24.40
15	16QAM	1	0	24.15	24.04	24.02	24.40
15	16QAM	1	37	24.15	24.15	23.91	24.40
15	16QAM	1	74	23.95	23.98	23.76	24.40
15	16QAM	36	0	22.81	22.75	22.63	23.50
15	16QAM	36	20	22.78	22.78	22.63	23.50
15	16QAM	36	39	22.77	22.65	22.55	23.50
15	16QAM	75	0	22.81	22.74	22.71	23.50
15	64QAM	1	0	22.90	22.97	22.78	23.50
15	64QAM	1	37	23.15	22.94	22.82	23.50
15	64QAM	1	74	22.85	22.82	22.67	23.50
15	64QAM	36	0	21.83	21.80	21.66	22.50
15	64QAM	36	20	21.91	21.73	21.70	22.50
15	64QAM	36	39	21.77	21.76	21.66	22.50
15	64QAM	75	0	21.75	21.74	21.69	22.50
15	256QAM	1	0	19.86	19.93	19.79	20.50
15	256QAM	1	37	19.71	19.67	19.62	20.50
15	256QAM	1	74	19.77	19.82	19.66	20.50
15	256QAM	36	0	19.75	19.79	19.63	20.50
15	256QAM	36	20	19.76	19.75	19.62	20.50
15	256QAM	36	39	19.71	19.74	19.62	20.50
15	256QAM	75	0	19.81	19.67	19.69	20.50
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.18	24.15	24.07	24.40
10	QPSK	1	25	24.04	23.89	23.79	24.40
10	QPSK	1	49	24.05	23.96	23.83	24.40
10	QPSK	25	0	23.89	23.84	23.71	24.40
10	QPSK	25	12	23.71	23.75	23.59	24.40
10	QPSK	25	25	23.73	23.66	23.60	24.40
10	QPSK	50	0	23.87	23.70	23.67	24.40
10	16QAM	1	0	24.20	23.99	23.95	24.40
10	16QAM	1	25	24.18	24.16	23.93	24.40
10	16QAM	1	49	23.96	23.94	23.73	24.40
10	16QAM	25	0	22.84	22.79	22.66	23.50



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10	16QAM	25	12	22.81	22.70	22.64	23.50
10	16QAM	25	25	22.71	22.66	22.57	23.50
10	16QAM	50	0	22.81	22.72	22.68	23.50
10	64QAM	1	0	22.87	22.93	22.80	23.50
10	64QAM	1	25	23.18	22.98	22.87	23.50
10	64QAM	1	49	22.80	22.85	22.69	23.50
10	64QAM	25	0	21.79	21.79	21.71	22.50
10	64QAM	25	12	21.87	21.71	21.71	22.50
10	64QAM	25	25	21.75	21.68	21.63	22.50
10	64QAM	50	0	21.76	21.69	21.62	22.50
10	256QAM	1	0	19.92	19.95	19.81	20.50
10	256QAM	1	25	19.70	19.62	19.58	20.50
10	256QAM	1	49	19.77	19.84	19.69	20.50
10	256QAM	25	0	19.82	19.80	19.62	20.50
10	256QAM	25	12	19.79	19.72	19.63	20.50
10	256QAM	25	25	19.74	19.66	19.59	20.50
10	256QAM	50	0	19.74	19.73	19.66	20.50
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	24.13	24.16	23.97	24.40
5	QPSK	1	12	24.00	23.91	23.83	24.40
5	QPSK	1	24	24.03	23.93	23.81	24.40
5	QPSK	12	0	23.89	23.75	23.64	24.40
5	QPSK	12	7	23.78	23.72	23.69	24.40
5	QPSK	12	13	23.73	23.71	23.57	24.40
5	QPSK	25	0	23.80	23.77	23.68	24.40
5	16QAM	1	0	24.19	23.98	23.94	24.40
5	16QAM	1	12	24.12	24.09	23.95	24.40
5	16QAM	1	24	23.93	23.93	23.74	24.40
5	16QAM	12	0	22.79	22.76	22.67	23.50
5	16QAM	12	7	22.76	22.70	22.65	23.50
5	16QAM	12	13	22.72	22.71	22.55	23.50
5	16QAM	25	0	22.73	22.69	22.67	23.50
5	64QAM	1	0	22.89	23.00	22.85	23.50
5	64QAM	1	12	23.17	22.98	22.84	23.50
5	64QAM	1	24	22.88	22.83	22.69	23.50
5	64QAM	12	0	21.80	21.75	21.65	22.50
5	64QAM	12	7	21.87	21.76	21.72	22.50
5	64QAM	12	13	21.74	21.75	21.63	22.50
5	64QAM	25	0	21.75	21.72	21.64	22.50
5	256QAM	1	0	19.94	19.97	19.82	20.50
5	256QAM	1	12	19.65	19.60	19.55	20.50
5	256QAM	1	24	19.75	19.89	19.66	20.50
5	256QAM	12	0	19.76	19.79	19.68	20.50
5	256QAM	12	7	19.84	19.71	19.66	20.50
5	256QAM	12	13	19.72	19.69	19.66	20.50
5	256QAM	25	0	19.81	19.71	19.62	20.50
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	24.19	24.17	24.00	24.40
3	QPSK	1	8	24.06	23.83	23.78	24.40
3	QPSK	1	14	24.04	23.94	23.88	24.40
3	QPSK	8	0	23.82	23.81	23.66	24.40
3	QPSK	8	4	23.73	23.73	23.64	24.40
3	QPSK	8	7	23.71	23.74	23.63	24.40
3	QPSK	15	0	23.81	23.73	23.67	24.40
3	16QAM	1	0	24.19	24.04	23.94	24.40
3	16QAM	1	8	24.20	24.14	23.88	24.40
3	16QAM	1	14	23.96	23.88	23.70	24.40
3	16QAM	8	0	22.77	22.72	22.68	23.50
3	16QAM	8	4	22.81	22.75	22.66	23.50
3	16QAM	8	7	22.77	22.71	22.57	23.50
3	16QAM	15	0	22.79	22.77	22.69	23.50
3	64QAM	1	0	22.89	22.94	22.85	23.50
3	64QAM	1	8	23.12	22.92	22.88	23.50
3	64QAM	1	14	22.85	22.82	22.66	23.50
3	64QAM	8	0	21.76	21.81	21.71	22.50
3	64QAM	8	4	21.91	21.69	21.68	22.50
3	64QAM	8	7	21.76	21.67	21.64	22.50
3	64QAM	15	0	21.75	21.68	21.68	22.50
3	256QAM	1	0	19.85	19.96	19.76	20.50
3	256QAM	1	8	19.67	19.63	19.56	20.50
3	256QAM	1	14	19.78	19.90	19.69	20.50
3	256QAM	8	0	19.75	19.83	19.62	20.50
3	256QAM	8	4	19.80	19.78	19.62	20.50
3	256QAM	8	7	19.73	19.70	19.66	20.50
3	256QAM	15	0	19.77	19.66	19.65	20.50
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	24.11	24.08	24.06	24.40
1.4	QPSK	1	3	23.99	23.85	23.83	24.40
1.4	QPSK	1	5	24.06	23.90	23.86	24.40
1.4	QPSK	3	0	23.83	23.81	23.73	24.40
1.4	QPSK	3	1	23.81	23.73	23.69	24.40
1.4	QPSK	3	3	23.70	23.72	23.58	24.40
1.4	QPSK	6	0	23.81	23.78	23.68	24.40
1.4	16QAM	1	0	24.20	24.04	24.01	24.40
1.4	16QAM	1	3	24.21	24.06	23.97	24.40
1.4	16QAM	1	5	23.99	23.90	23.71	24.40
1.4	16QAM	3	0	24.13	23.98	24.03	24.40
1.4	16QAM	3	1	24.11	24.12	23.98	24.40
1.4	16QAM	3	3	23.98	23.94	23.76	24.40
1.4	16QAM	6	0	22.74	22.70	22.68	23.50
1.4	64QAM	1	0	22.87	22.98	22.79	23.50
1.4	64QAM	1	3	23.22	22.89	22.86	23.50
1.4	64QAM	1	5	22.87	22.83	22.67	23.50
1.4	64QAM	3	0	22.94	23.01	22.85	23.50
1.4	64QAM	3	1	23.16	22.92	22.88	23.50
1.4	64QAM	3	3	22.87	22.81	22.70	23.50
1.4	64QAM	6	0	21.79	21.70	21.66	22.50
1.4	256QAM	1	0	19.92	19.90	19.76	20.50
1.4	256QAM	1	3	19.72	19.64	19.54	20.50
1.4	256QAM	1	5	19.83	19.89	19.60	20.50
1.4	256QAM	3	0	19.76	19.83	19.65	20.50
1.4	256QAM	3	1	19.84	19.70	19.61	20.50
1.4	256QAM	3	3	19.71	19.68	19.67	20.50
1.4	256QAM	6	0	19.80	19.71	19.64	20.50

【LTE Band 26_FCC (814~849MHz)_Ant 0_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.30	21.15	21.17	21.30
15	QPSK	1	37	21.02	20.93	21.00	21.30
15	QPSK	1	74	21.03	21.04	20.98	21.30
15	QPSK	36	0	21.20	21.09	21.15	21.30
15	QPSK	36	20	21.14	21.08	21.10	21.30
15	QPSK	36	39	21.07	21.08	21.10	21.30
15	QPSK	75	0	21.09	21.04	21.10	21.30
15	16QAM	1	0	21.19	21.13	21.13	21.30
15	16QAM	1	37	21.20	21.06	21.13	21.30
15	16QAM	1	74	21.03	21.05	20.94	21.30
15	16QAM	36	0	21.14	21.11	21.03	21.30
15	16QAM	36	20	21.13	21.09	21.01	21.30
15	16QAM	36	39	21.10	21.04	20.93	21.30
15	16QAM	75	0	21.11	21.09	21.01	21.30
15	64QAM	1	0	21.25	21.11	21.13	21.30
15	64QAM	1	37	21.22	21.09	21.02	21.30
15	64QAM	1	74	21.20	21.05	21.01	21.30
15	64QAM	36	0	21.16	21.04	21.05	21.30
15	64QAM	36	20	21.21	21.09	21.02	21.30
15	64QAM	36	39	21.10	21.06	20.97	21.30
15	64QAM	75	0	21.15	21.06	21.02	21.30
15	256QAM	1	0	19.95	20.00	19.85	20.50
15	256QAM	1	37	19.72	19.69	19.64	20.50
15	256QAM	1	74	19.85	19.90	19.70	20.50
15	256QAM	36	0	19.85	19.84	19.71	20.50
15	256QAM	36	20	19.84	19.78	19.71	20.50
15	256QAM	36	39	19.79	19.76	19.67	20.50
15	256QAM	75	0	19.81	19.75	19.70	20.50
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.23	21.02	21.07	21.30
10	QPSK	1	25	20.94	20.85	20.91	21.30
10	QPSK	1	49	21.00	21.02	20.87	21.30
10	QPSK	25	0	21.06	20.94	21.13	21.30
10	QPSK	25	12	21.06	21.04	21.07	21.30
10	QPSK	25	25	21.05	21.04	20.98	21.30
10	QPSK	50	0	21.06	20.93	21.03	21.30
10	16QAM	1	0	21.10	21.05	21.02	21.30
10	16QAM	1	25	21.09	21.05	21.06	21.30
10	16QAM	1	49	20.99	21.03	20.86	21.30
10	16QAM	25	0	21.09	20.99	21.01	21.30



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10	16QAM	25	12	21.07	20.97	20.87	21.30
10	16QAM	25	25	21.00	20.99	20.87	21.30
10	16QAM	50	0	21.04	21.02	20.90	21.30
10	64QAM	1	0	21.17	21.04	21.12	21.30
10	64QAM	1	25	21.17	21.01	20.93	21.30
10	64QAM	1	49	21.18	20.92	20.86	21.30
10	64QAM	25	0	21.08	20.91	20.92	21.30
10	64QAM	25	12	21.08	20.99	20.97	21.30
10	64QAM	25	25	21.06	20.98	20.93	21.30
10	64QAM	50	0	21.14	20.93	20.87	21.30
10	256QAM	1	0	19.81	19.89	19.81	20.50
10	256QAM	1	25	19.65	19.60	19.57	20.50
10	256QAM	1	49	19.75	19.87	19.69	20.50
10	256QAM	25	0	19.77	19.81	19.61	20.50
10	256QAM	25	12	19.80	19.65	19.61	20.50
10	256QAM	25	25	19.70	19.75	19.52	20.50
10	256QAM	50	0	19.79	19.73	19.65	20.50
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	21.21	21.05	21.12	21.30
5	QPSK	1	12	21.00	20.88	20.90	21.30
5	QPSK	1	24	20.98	20.97	20.89	21.30
5	QPSK	12	0	21.12	21.03	21.05	21.30
5	QPSK	12	7	21.07	20.95	21.02	21.30
5	QPSK	12	13	21.01	21.07	21.00	21.30
5	QPSK	25	0	21.00	20.95	21.02	21.30
5	16QAM	1	0	21.07	21.03	21.01	21.30
5	16QAM	1	12	21.19	21.04	21.08	21.30
5	16QAM	1	24	21.00	21.02	20.92	21.30
5	16QAM	12	0	21.10	21.04	20.98	21.30
5	16QAM	12	7	21.02	21.06	20.92	21.30
5	16QAM	12	13	20.96	21.00	20.90	21.30
5	16QAM	25	0	21.10	21.03	20.92	21.30
5	64QAM	1	0	21.20	20.99	21.01	21.30
5	64QAM	1	12	21.09	20.99	20.99	21.30
5	64QAM	1	24	21.07	20.95	20.97	21.30
5	64QAM	12	0	21.13	21.00	21.01	21.30
5	64QAM	12	7	21.06	20.99	20.87	21.30
5	64QAM	12	13	21.00	20.96	20.85	21.30
5	64QAM	25	0	21.01	20.93	20.97	21.30
5	256QAM	1	0	19.91	19.96	19.82	20.50
5	256QAM	1	12	19.71	19.55	19.54	20.50
5	256QAM	1	24	19.79	19.75	19.64	20.50
5	256QAM	12	0	19.80	19.74	19.61	20.50
5	256QAM	12	7	19.71	19.72	19.63	20.50
5	256QAM	12	13	19.78	19.68	19.63	20.50
5	256QAM	25	0	19.72	19.63	19.62	20.50
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.25	21.06	21.14	21.30
3	QPSK	1	8	20.93	20.80	20.89	21.30
3	QPSK	1	14	20.90	21.01	20.84	21.30
3	QPSK	8	0	21.09	21.04	21.13	21.30
3	QPSK	8	4	21.00	20.94	20.97	21.30
3	QPSK	8	7	21.05	21.03	21.02	21.30
3	QPSK	15	0	20.98	20.92	20.98	21.30
3	16QAM	1	0	21.05	21.08	21.08	21.30
3	16QAM	1	8	21.14	20.96	21.01	21.30
3	16QAM	1	14	20.89	21.00	20.86	21.30
3	16QAM	8	0	21.12	21.08	20.95	21.30
3	16QAM	8	4	21.01	20.97	21.00	21.30
3	16QAM	8	7	21.09	20.96	20.84	21.30
3	16QAM	15	0	21.08	20.96	20.96	21.30
3	64QAM	1	0	21.17	21.05	21.01	21.30
3	64QAM	1	8	21.09	20.95	20.88	21.30
3	64QAM	1	14	21.07	21.02	20.90	21.30
3	64QAM	8	0	21.03	20.89	21.01	21.30
3	64QAM	8	4	21.14	20.96	20.96	21.30
3	64QAM	8	7	20.98	21.02	20.86	21.30
3	64QAM	15	0	21.13	21.04	20.93	21.30
3	256QAM	1	0	19.93	19.97	19.75	20.50
3	256QAM	1	8	19.69	19.57	19.57	20.50
3	256QAM	1	14	19.76	19.89	19.64	20.50
3	256QAM	8	0	19.73	19.73	19.68	20.50
3	256QAM	8	4	19.70	19.76	19.64	20.50
3	256QAM	8	7	19.67	19.66	19.60	20.50
3	256QAM	15	0	19.77	19.70	19.59	20.50
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.17	21.00	21.05	21.30
1.4	QPSK	1	3	20.96	20.88	20.92	21.30
1.4	QPSK	1	5	20.95	20.98	20.86	21.30
1.4	QPSK	3	0	21.13	21.07	21.10	21.30
1.4	QPSK	3	1	21.02	21.05	20.99	21.30
1.4	QPSK	3	3	21.05	21.06	21.06	21.30
1.4	QPSK	6	0	21.00	21.01	21.00	21.30
1.4	16QAM	1	0	21.11	21.07	21.02	21.30
1.4	16QAM	1	3	21.06	20.96	21.11	21.30
1.4	16QAM	1	5	20.90	20.99	20.85	21.30
1.4	16QAM	3	0	21.05	21.02	20.88	21.30
1.4	16QAM	3	1	21.04	21.07	20.95	21.30
1.4	16QAM	3	3	21.03	20.96	20.79	21.30
1.4	16QAM	6	0	20.97	20.99	20.86	21.30
1.4	64QAM	1	0	21.23	21.02	21.06	21.30
1.4	64QAM	1	3	21.17	21.04	20.94	21.30
1.4	64QAM	1	5	21.07	21.03	20.98	21.30
1.4	64QAM	3	0	21.04	20.95	21.03	21.30
1.4	64QAM	3	1	21.14	21.04	20.93	21.30
1.4	64QAM	3	3	20.95	20.99	20.85	21.30
1.4	64QAM	6	0	21.03	20.93	20.87	21.30
1.4	256QAM	1	0	19.84	19.89	19.81	20.50
1.4	256QAM	1	3	19.65	19.61	19.61	20.50
1.4	256QAM	1	5	19.81	19.86	19.62	20.50
1.4	256QAM	3	0	19.72	19.82	19.68	20.50
1.4	256QAM	3	1	19.75	19.77	19.60	20.50
1.4	256QAM	3	3	19.65	19.64	19.54	20.50
1.4	256QAM	6	0	19.78	19.74	19.59	20.50

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.93	23.98	23.88	25.30
15	QPSK	1	37	23.86	23.61	23.65	25.30
15	QPSK	1	74	23.75	23.81	23.61	25.30
15	QPSK	36	0	23.33	23.36	23.23	24.30
15	QPSK	36	20	23.31	23.25	23.06	24.30
15	QPSK	36	39	23.26	23.23	23.01	24.30
15	QPSK	75	0	23.29	23.31	23.11	24.30
15	16QAM	1	0	23.52	23.61	23.32	24.30
15	16QAM	1	37	23.59	23.44	23.17	24.30
15	16QAM	1	74	23.39	23.34	23.56	24.30
15	16QAM	36	0	22.41	22.22	22.15	23.30
15	16QAM	36	20	22.36	22.18	22.12	23.30
15	16QAM	36	39	22.19	22.16	22.11	23.30
15	16QAM	75	0	22.29	22.19	22.10	23.30
15	64QAM	1	0	22.43	22.81	22.46	23.30
15	64QAM	1	37	22.34	22.39	22.09	23.30
15	64QAM	1	74	22.35	22.38	21.87	23.30
15	64QAM	36	0	21.37	21.34	21.14	22.30
15	64QAM	36	20	21.31	21.19	21.16	22.30
15	64QAM	36	39	21.20	21.21	21.01	22.30
15	64QAM	75	0	21.22	21.22	21.06	22.30
15	256QAM	1	0	19.23	19.31	19.06	20.30
15	256QAM	1	37	19.17	19.22	18.99	20.30
15	256QAM	1	74	19.28	19.26	19.04	20.30
15	256QAM	36	0	19.30	19.19	19.01	20.30
15	256QAM	36	20	19.22	19.25	19.04	20.30
15	256QAM	36	39	19.20	19.21	19.01	20.30
15	256QAM	75	0	19.23	19.23	19.07	20.30
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.79	23.81	23.59	25.30
10	QPSK	1	25	23.78	23.75	23.52	25.30
10	QPSK	1	49	23.70	23.63	23.40	25.30
10	QPSK	25	0	23.23	23.16	23.01	24.30
10	QPSK	25	12	23.20	23.13	22.93	24.30
10	QPSK	25	25	23.16	23.13	22.91	24.30
10	QPSK	50	0	23.21	23.16	22.95	24.30
10	16QAM	1	0	23.44	23.41	23.28	24.30
10	16QAM	1	25	23.29	23.27	23.08	24.30
10	16QAM	1	49	23.45	23.40	23.10	24.30
10	16QAM	25	0	22.20	22.16	21.97	23.30



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10	16QAM	25	12	22.16	22.12	21.95	23.30
10	16QAM	25	25	22.11	22.10	21.88	23.30
10	16QAM	50	0	22.13	22.11	21.93	23.30
10	64QAM	1	0	22.39	22.40	22.23	23.30
10	64QAM	1	25	22.41	22.37	22.12	23.30
10	64QAM	1	49	22.24	22.22	21.91	23.30
10	64QAM	25	0	21.18	21.17	20.98	22.30
10	64QAM	25	12	21.20	21.14	20.97	22.30
10	64QAM	25	25	21.15	21.04	20.87	22.30
10	64QAM	50	0	21.23	21.16	20.93	22.30
10	256QAM	1	0	19.32	19.32	19.16	20.30
10	256QAM	1	25	19.13	19.08	18.81	20.30
10	256QAM	1	49	19.29	19.18	18.98	20.30
10	256QAM	25	0	19.18	19.14	18.98	20.30
10	256QAM	25	12	19.13	19.09	18.92	20.30
10	256QAM	25	25	19.15	19.07	18.86	20.30
10	256QAM	50	0	19.13	19.11	18.93	20.30
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	23.87	23.79	23.69	25.30
5	QPSK	1	12	23.75	23.69	23.53	25.30
5	QPSK	1	24	23.81	23.71	23.52	25.30
5	QPSK	12	0	23.24	23.14	23.04	24.30
5	QPSK	12	7	23.20	23.12	22.97	24.30
5	QPSK	12	13	23.22	23.11	22.97	24.30
5	QPSK	25	0	23.23	23.11	23.00	24.30
5	16QAM	1	0	23.49	23.36	23.32	24.30
5	16QAM	1	12	23.39	23.50	23.38	24.30
5	16QAM	1	24	23.53	23.31	23.23	24.30
5	16QAM	12	0	22.20	22.12	21.97	23.30
5	16QAM	12	7	22.21	22.12	22.01	23.30
5	16QAM	12	13	22.23	22.08	21.97	23.30
5	16QAM	25	0	22.17	22.08	22.01	23.30
5	64QAM	1	0	22.27	22.27	22.21	23.30
5	64QAM	1	12	22.33	22.24	22.14	23.30
5	64QAM	1	24	22.36	22.23	22.07	23.30
5	64QAM	12	0	21.26	21.19	21.07	22.30
5	64QAM	12	7	21.24	21.15	21.07	22.30
5	64QAM	12	13	21.22	21.13	21.04	22.30
5	64QAM	25	0	21.18	21.13	21.03	22.30
5	256QAM	1	0	19.34	19.24	19.23	20.30
5	256QAM	1	12	19.09	19.02	19.15	20.30
5	256QAM	1	24	19.32	19.24	19.11	20.30
5	256QAM	12	0	19.21	19.15	19.05	20.30
5	256QAM	12	7	19.20	19.11	19.04	20.30
5	256QAM	12	13	19.21	19.08	19.02	20.30
5	256QAM	25	0	19.18	19.04	18.98	20.30
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	23.90	23.77	23.66	25.30
3	QPSK	1	8	23.76	23.69	23.45	25.30
3	QPSK	1	14	23.90	23.78	23.47	25.30
3	QPSK	8	0	23.22	23.11	23.02	24.30
3	QPSK	8	4	23.17	23.10	22.86	24.30
3	QPSK	8	7	23.18	23.05	22.93	24.30
3	QPSK	15	0	23.27	23.10	23.02	24.30
3	16QAM	1	0	23.42	23.37	23.22	24.30
3	16QAM	1	8	23.36	23.35	23.22	24.30
3	16QAM	1	14	23.50	23.33	23.18	24.30
3	16QAM	8	0	22.21	22.16	22.03	23.30
3	16QAM	8	4	22.23	22.10	21.96	23.30
3	16QAM	8	7	22.20	22.12	21.96	23.30
3	16QAM	15	0	22.24	22.13	22.03	23.30
3	64QAM	1	0	22.29	22.20	22.13	23.30
3	64QAM	1	8	22.26	22.12	22.07	23.30
3	64QAM	1	14	22.33	22.12	22.03	23.30
3	64QAM	8	0	21.22	21.15	20.99	22.30
3	64QAM	8	4	21.22	21.09	20.99	22.30
3	64QAM	8	7	21.27	21.15	21.04	22.30
3	64QAM	15	0	21.27	21.12	20.93	22.30
3	256QAM	1	0	19.34	19.22	19.16	20.30
3	256QAM	1	8	19.26	19.19	19.07	20.30
3	256QAM	1	14	19.32	19.18	18.99	20.30
3	256QAM	8	0	19.27	19.11	19.00	20.30
3	256QAM	8	4	19.15	19.01	18.96	20.30
3	256QAM	8	7	19.23	19.08	18.98	20.30
3	256QAM	15	0	19.22	19.10	19.02	20.30
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	23.82	23.75	23.63	25.30
1.4	QPSK	1	3	23.73	23.66	23.48	25.30
1.4	QPSK	1	5	23.78	23.69	23.56	25.30
1.4	QPSK	3	0	23.76	23.71	23.56	25.30
1.4	QPSK	3	1	23.62	23.52	23.51	25.30
1.4	QPSK	3	3	23.73	23.67	23.51	25.30
1.4	QPSK	6	0	23.15	23.05	22.92	24.30
1.4	16QAM	1	0	23.44	23.39	23.16	24.30
1.4	16QAM	1	3	23.34	23.18	23.00	24.30
1.4	16QAM	1	5	23.40	23.35	23.08	24.30
1.4	16QAM	3	0	23.05	22.99	22.84	24.30
1.4	16QAM	3	1	23.12	23.16	22.91	24.30
1.4	16QAM	3	3	23.08	23.05	22.85	24.30
1.4	16QAM	6	0	22.18	22.10	22.00	23.30
1.4	64QAM	1	0	22.33	22.21	22.05	23.30
1.4	64QAM	1	3	22.35	22.31	22.13	23.30
1.4	64QAM	1	5	22.23	22.12	22.03	23.30
1.4	64QAM	3	0	22.20	22.16	21.95	23.30
1.4	64QAM	3	1	22.18	22.10	21.98	23.30
1.4	64QAM	3	3	22.25	22.17	21.99	23.30
1.4	64QAM	6	0	21.14	21.01	20.88	22.30
1.4	256QAM	1	0	19.27	19.14	19.10	20.30
1.4	256QAM	1	3	19.20	19.04	18.92	20.30
1.4	256QAM	1	5	19.28	19.17	19.08	20.30
1.4	256QAM	3	0	19.25	19.14	19.02	20.30
1.4	256QAM	3	1	19.20	19.11	18.94	20.30
1.4	256QAM	3	3	19.14	19.07	18.92	20.30
1.4	256QAM	6	0	19.17	19.08	18.99	20.30

【LTE Band 26_FCC (814~849MHz)_Ant 1_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.62	21.54	21.43	22.00
15	QPSK	1	37	21.31	21.25	21.17	22.00
15	QPSK	1	74	21.36	21.30	21.17	22.00
15	QPSK	36	0	21.50	21.47	21.36	22.00
15	QPSK	36	20	21.52	21.42	21.33	22.00
15	QPSK	36	39	21.43	21.35	21.28	22.00
15	QPSK	75	0	21.50	21.41	21.35	22.00
15	16QAM	1	0	21.54	21.61	21.49	22.00
15	16QAM	1	37	21.60	21.50	21.46	22.00
15	16QAM	1	74	21.56	21.58	21.43	22.00
15	16QAM	36	0	21.51	21.46	21.36	22.00
15	16QAM	36	20	21.48	21.40	21.31	22.00
15	16QAM	36	39	21.43	21.35	21.19	22.00
15	16QAM	75	0	21.48	21.41	21.28	22.00
15	64QAM	1	0	21.54	21.58	21.43	22.00
15	64QAM	1	37	21.52	21.43	21.34	22.00
15	64QAM	1	74	21.43	21.31	21.14	22.00
15	64QAM	36	0	21.27	21.17	21.08	22.00
15	64QAM	36	20	21.23	21.13	21.01	22.00
15	64QAM	36	39	21.18	21.11	20.98	22.00
15	64QAM	75	0	21.18	21.09	20.98	22.00
15	256QAM	1	0	19.43	19.33	19.17	20.30
15	256QAM	1	37	19.12	18.99	18.87	20.30
15	256QAM	1	74	19.19	19.14	18.97	20.30
15	256QAM	36	0	19.26	19.19	19.03	20.30
15	256QAM	36	20	19.18	19.11	18.99	20.30
15	256QAM	36	39	19.14	19.07	18.96	20.30
15	256QAM	75	0	19.18	19.07	18.96	20.30
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.53	21.53	21.32	22.00
10	QPSK	1	25	21.25	21.16	21.06	22.00
10	QPSK	1	49	21.24	21.23	21.06	22.00
10	QPSK	25	0	21.39	21.37	21.27	22.00
10	QPSK	25	12	21.49	21.28	21.31	22.00
10	QPSK	25	25	21.35	21.29	21.15	22.00
10	QPSK	50	0	21.47	21.27	21.32	22.00
10	16QAM	1	0	21.45	21.49	21.48	22.00
10	16QAM	1	25	21.51	21.49	21.31	22.00
10	16QAM	1	49	21.48	21.56	21.30	22.00
10	16QAM	25	0	21.49	21.32	21.22	22.00



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10	16QAM	25	12	21.37	21.26	21.21	22.00
10	16QAM	25	25	21.34	21.23	21.17	22.00
10	16QAM	50	0	21.42	21.31	21.20	22.00
10	64QAM	1	0	21.51	21.52	21.28	22.00
10	64QAM	1	25	21.44	21.39	21.21	22.00
10	64QAM	1	49	21.40	21.27	21.13	22.00
10	64QAM	25	0	21.20	21.03	20.98	22.00
10	64QAM	25	12	21.09	21.05	20.94	22.00
10	64QAM	25	25	21.13	21.04	20.92	22.00
10	64QAM	50	0	21.04	21.01	20.86	22.00
10	256QAM	1	0	19.39	19.22	19.11	20.30
10	256QAM	1	25	19.02	18.92	18.78	20.30
10	256QAM	1	49	19.17	19.11	18.95	20.30
10	256QAM	25	0	19.13	19.08	18.91	20.30
10	256QAM	25	12	19.14	19.02	18.86	20.30
10	256QAM	25	25	19.10	19.02	18.86	20.30
10	256QAM	50	0	19.05	18.99	18.87	20.30
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	21.56	21.39	21.33	22.00
5	QPSK	1	12	21.30	21.19	21.09	22.00
5	QPSK	1	24	21.27	21.27	21.03	22.00
5	QPSK	12	0	21.44	21.35	21.25	22.00
5	QPSK	12	7	21.46	21.31	21.22	22.00
5	QPSK	12	13	21.33	21.24	21.14	22.00
5	QPSK	25	0	21.35	21.35	21.21	22.00
5	16QAM	1	0	21.39	21.51	21.36	22.00
5	16QAM	1	12	21.50	21.42	21.39	22.00
5	16QAM	1	24	21.45	21.52	21.39	22.00
5	16QAM	12	0	21.49	21.39	21.28	22.00
5	16QAM	12	7	21.43	21.28	21.22	22.00
5	16QAM	12	13	21.38	21.23	21.17	22.00
5	16QAM	25	0	21.46	21.32	21.26	22.00
5	64QAM	1	0	21.44	21.46	21.33	22.00
5	64QAM	1	12	21.44	21.31	21.20	22.00
5	64QAM	1	24	21.37	21.25	21.00	22.00
5	64QAM	12	0	21.15	21.12	20.98	22.00
5	64QAM	12	7	21.22	20.99	20.88	22.00
5	64QAM	12	13	21.16	21.06	20.92	22.00
5	64QAM	25	0	21.10	21.06	20.84	22.00
5	256QAM	1	0	19.28	19.30	19.14	20.30
5	256QAM	1	12	19.04	18.95	18.75	20.30
5	256QAM	1	24	19.16	19.08	18.88	20.30
5	256QAM	12	0	19.21	19.12	18.98	20.30
5	256QAM	12	7	19.03	19.02	18.91	20.30
5	256QAM	12	13	19.08	19.04	18.82	20.30
5	256QAM	25	0	19.14	18.98	18.94	20.30
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.56	21.41	21.37	22.00
3	QPSK	1	8	21.29	21.18	21.09	22.00
3	QPSK	1	14	21.35	21.15	21.04	22.00
3	QPSK	8	0	21.41	21.37	21.31	22.00
3	QPSK	8	4	21.38	21.39	21.31	22.00
3	QPSK	8	7	21.31	21.30	21.19	22.00
3	QPSK	15	0	21.38	21.33	21.29	22.00
3	16QAM	1	0	21.49	21.60	21.44	22.00
3	16QAM	1	8	21.49	21.44	21.39	22.00
3	16QAM	1	14	21.44	21.53	21.30	22.00
3	16QAM	8	0	21.39	21.37	21.27	22.00
3	16QAM	8	4	21.47	21.32	21.26	22.00
3	16QAM	8	7	21.28	21.22	21.17	22.00
3	16QAM	15	0	21.33	21.33	21.21	22.00
3	64QAM	1	0	21.45	21.56	21.31	22.00
3	64QAM	1	8	21.43	21.29	21.29	22.00
3	64QAM	1	14	21.41	21.20	21.00	22.00
3	64QAM	8	0	21.14	21.03	20.94	22.00
3	64QAM	8	4	21.15	21.06	20.89	22.00
3	64QAM	8	7	21.08	21.07	20.88	22.00
3	64QAM	15	0	21.14	20.96	20.93	22.00
3	256QAM	1	0	19.37	19.28	19.15	20.30
3	256QAM	1	8	19.08	18.91	18.85	20.30
3	256QAM	1	14	19.15	18.99	18.91	20.30
3	256QAM	8	0	19.21	19.09	18.99	20.30
3	256QAM	8	4	19.06	19.09	18.96	20.30
3	256QAM	8	7	19.08	19.04	18.83	20.30
3	256QAM	15	0	19.06	18.96	18.87	20.30
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.47	21.53	21.30	22.00
1.4	QPSK	1	3	21.18	21.16	21.03	22.00
1.4	QPSK	1	5	21.23	21.18	21.08	22.00
1.4	QPSK	3	0	21.40	21.40	21.35	22.00
1.4	QPSK	3	1	21.41	21.36	21.24	22.00
1.4	QPSK	3	3	21.30	21.23	21.23	22.00
1.4	QPSK	6	0	21.48	21.32	21.22	22.00
1.4	16QAM	1	0	21.44	21.49	21.47	22.00
1.4	16QAM	1	3	21.54	21.38	21.38	22.00
1.4	16QAM	1	5	21.55	21.54	21.41	22.00
1.4	16QAM	3	0	21.49	21.35	21.28	22.00
1.4	16QAM	3	1	21.34	21.35	21.18	22.00
1.4	16QAM	3	3	21.33	21.21	21.06	22.00
1.4	16QAM	6	0	21.47	21.36	21.20	22.00
1.4	64QAM	1	0	21.48	21.56	21.32	22.00
1.4	64QAM	1	3	21.45	21.41	21.27	22.00
1.4	64QAM	1	5	21.30	21.17	20.99	22.00
1.4	64QAM	3	0	21.22	21.09	21.06	22.00
1.4	64QAM	3	1	21.19	21.05	20.92	22.00
1.4	64QAM	3	3	21.13	21.03	20.86	22.00
1.4	64QAM	6	0	21.07	20.95	20.84	22.00
1.4	256QAM	1	0	19.34	19.29	19.08	20.30
1.4	256QAM	1	3	19.09	18.91	18.84	20.30
1.4	256QAM	1	5	19.16	19.08	18.89	20.30
1.4	256QAM	3	0	19.17	19.13	18.96	20.30
1.4	256QAM	3	1	19.03	18.96	18.97	20.30
1.4	256QAM	3	3	19.00	18.97	18.84	20.30
1.4	256QAM	6	0	19.12	19.04	18.86	20.30

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	17.78	17.77	17.62	18.00
15	QPSK	1	37	17.62	17.60	17.32	18.00
15	QPSK	1	74	17.36	17.31	17.04	18.00
15	QPSK	36	0	17.74	17.73	17.60	18.00
15	QPSK	36	20	17.70	17.65	17.56	18.00
15	QPSK	36	39	17.60	17.51	17.41	18.00
15	QPSK	75	0	17.59	17.50	17.48	18.00
15	16QAM	1	0	17.74	17.76	17.74	18.00
15	16QAM	1	37	17.72	17.75	17.68	18.00
15	16QAM	1	74	17.66	17.73	17.24	18.00
15	16QAM	36	0	17.73	17.74	17.74	18.00
15	16QAM	36	20	17.67	17.65	17.47	18.00
15	16QAM	36	39	17.60	17.54	17.40	18.00
15	16QAM	75	0	17.74	17.76	17.59	18.00
15	64QAM	1	0	17.75	17.75	17.60	18.00
15	64QAM	1	37	17.73	17.73	17.61	18.00
15	64QAM	1	74	17.75	17.38	17.23	18.00
15	64QAM	36	0	17.72	17.35	17.60	18.00
15	64QAM	36	20	17.69	17.72	17.48	18.00
15	64QAM	36	39	17.56	17.55	17.42	18.00
15	64QAM	75	0	17.77	17.74	17.57	18.00
15	256QAM	1	0	17.74	17.70	17.68	18.00
15	256QAM	1	37	17.69	17.63	17.41	18.00
15	256QAM	1	74	17.57	17.35	17.24	18.00
15	256QAM	36	0	17.71	17.70	17.68	18.00
15	256QAM	36	20	17.66	17.69	17.47	18.00
15	256QAM	36	39	17.60	17.55	17.42	18.00
15	256QAM	75	0	17.72	17.74	17.62	18.00
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	17.74	17.75	17.51	18.00
10	QPSK	1	25	17.55	17.52	17.18	18.00
10	QPSK	1	49	17.22	17.17	16.99	18.00
10	QPSK	25	0	17.66	17.66	17.54	18.00
10	QPSK	25	12	17.60	17.54	17.42	18.00
10	QPSK	25	25	17.46	17.37	17.32	18.00
10	QPSK	50	0	17.51	17.44	17.45	18.00
10	16QAM	1	0	17.62	17.70	17.65	18.00
10	16QAM	1	25	17.68	17.72	17.65	18.00
10	16QAM	1	49	17.57	17.62	17.23	18.00
10	16QAM	25	0	17.69	17.61	17.68	18.00



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10	16QAM	25	12	17.66	17.63	17.36	18.00
10	16QAM	25	25	17.55	17.46	17.29	18.00
10	16QAM	50	0	17.67	17.69	17.46	18.00
10	64QAM	1	0	17.63	17.66	17.57	18.00
10	64QAM	1	25	17.61	17.71	17.58	18.00
10	64QAM	1	49	17.62	17.25	17.08	18.00
10	64QAM	25	0	17.59	17.34	17.58	18.00
10	64QAM	25	12	17.62	17.57	17.36	18.00
10	64QAM	25	25	17.44	17.51	17.39	18.00
10	64QAM	50	0	17.67	17.63	17.52	18.00
10	256QAM	1	0	17.64	17.67	17.63	18.00
10	256QAM	1	25	17.57	17.56	17.31	18.00
10	256QAM	1	49	17.45	17.30	17.10	18.00
10	256QAM	25	0	17.68	17.67	17.63	18.00
10	256QAM	25	12	17.55	17.67	17.37	18.00
10	256QAM	25	25	17.45	17.47	17.41	18.00
10	256QAM	50	0	17.71	17.69	17.55	18.00
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	17.76	17.62	17.48	18.00
5	QPSK	1	12	17.57	17.48	17.24	18.00
5	QPSK	1	24	17.30	17.25	16.95	18.00
5	QPSK	12	0	17.66	17.66	17.53	18.00
5	QPSK	12	7	17.56	17.53	17.44	18.00
5	QPSK	12	13	17.52	17.43	17.36	18.00
5	QPSK	25	0	17.55	17.47	17.39	18.00
5	16QAM	1	0	17.67	17.66	17.61	18.00
5	16QAM	1	12	17.64	17.62	17.63	18.00
5	16QAM	1	24	17.60	17.70	17.21	18.00
5	16QAM	12	0	17.71	17.72	17.68	18.00
5	16QAM	12	7	17.58	17.60	17.32	18.00
5	16QAM	12	13	17.56	17.45	17.33	18.00
5	16QAM	25	0	17.60	17.75	17.44	18.00
5	64QAM	1	0	17.61	17.63	17.58	18.00
5	64QAM	1	12	17.61	17.64	17.46	18.00
5	64QAM	1	24	17.67	17.34	17.09	18.00
5	64QAM	12	0	17.70	17.28	17.46	18.00
5	64QAM	12	7	17.61	17.61	17.40	18.00
5	64QAM	12	13	17.50	17.52	17.31	18.00
5	64QAM	25	0	17.69	17.67	17.48	18.00
5	256QAM	1	0	17.68	17.58	17.54	18.00
5	256QAM	1	12	17.66	17.59	17.35	18.00
5	256QAM	1	24	17.48	17.23	17.14	18.00
5	256QAM	12	0	17.66	17.59	17.62	18.00
5	256QAM	12	7	17.53	17.64	17.37	18.00
5	256QAM	12	13	17.50	17.53	17.38	18.00
5	256QAM	25	0	17.60	17.69	17.57	18.00
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	17.67	17.72	17.50	18.00
3	QPSK	1	8	17.53	17.46	17.18	18.00
3	QPSK	1	14	17.30	17.21	16.90	18.00
3	QPSK	8	0	17.61	17.59	17.46	18.00
3	QPSK	8	4	17.67	17.60	17.51	18.00
3	QPSK	8	7	17.55	17.38	17.27	18.00
3	QPSK	15	0	17.46	17.35	17.46	18.00
3	16QAM	1	0	17.64	17.63	17.67	18.00
3	16QAM	1	8	17.61	17.66	17.64	18.00
3	16QAM	1	14	17.55	17.59	17.11	18.00
3	16QAM	8	0	17.71	17.59	17.64	18.00
3	16QAM	8	4	17.62	17.52	17.44	18.00
3	16QAM	8	7	17.51	17.50	17.34	18.00
3	16QAM	15	0	17.60	17.62	17.55	18.00
3	64QAM	1	0	17.72	17.60	17.56	18.00
3	64QAM	1	8	17.65	17.61	17.47	18.00
3	64QAM	1	14	17.74	17.34	17.12	18.00
3	64QAM	8	0	17.60	17.29	17.54	18.00
3	64QAM	8	4	17.55	17.66	17.39	18.00
3	64QAM	8	7	17.46	17.41	17.31	18.00
3	64QAM	15	0	17.63	17.62	17.44	18.00
3	256QAM	1	0	17.65	17.68	17.56	18.00
3	256QAM	1	8	17.57	17.49	17.28	18.00
3	256QAM	1	14	17.46	17.21	17.23	18.00
3	256QAM	8	0	17.58	17.68	17.64	18.00
3	256QAM	8	4	17.54	17.58	17.41	18.00
3	256QAM	8	7	17.49	17.50	17.27	18.00
3	256QAM	15	0	17.68	17.63	17.53	18.00
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	17.65	17.72	17.54	18.00
1.4	QPSK	1	3	17.51	17.48	17.21	18.00
1.4	QPSK	1	5	17.29	17.26	16.90	18.00
1.4	QPSK	3	0	17.60	17.70	17.58	18.00
1.4	QPSK	3	1	17.66	17.58	17.44	18.00
1.4	QPSK	3	3	17.55	17.45	17.26	18.00
1.4	QPSK	6	0	17.49	17.39	17.36	18.00
1.4	16QAM	1	0	17.61	17.61	17.61	18.00
1.4	16QAM	1	3	17.62	17.70	17.61	18.00
1.4	16QAM	1	5	17.57	17.71	17.19	18.00
1.4	16QAM	3	0	17.58	17.61	17.68	18.00
1.4	16QAM	3	1	17.54	17.63	17.44	18.00
1.4	16QAM	3	3	17.58	17.47	17.27	18.00
1.4	16QAM	6	0	17.71	17.72	17.55	18.00
1.4	64QAM	1	0	17.73	17.68	17.51	18.00
1.4	64QAM	1	3	17.70	17.60	17.54	18.00
1.4	64QAM	1	5	17.66	17.27	17.16	18.00
1.4	64QAM	3	0	17.61	17.23	17.52	18.00
1.4	64QAM	3	1	17.58	17.63	17.44	18.00
1.4	64QAM	3	3	17.46	17.50	17.40	18.00
1.4	64QAM	6	0	17.66	17.68	17.51	18.00
1.4	256QAM	1	0	17.62	17.63	17.60	18.00
1.4	256QAM	1	3	17.63	17.50	17.34	18.00
1.4	256QAM	1	5	17.54	17.30	17.18	18.00
1.4	256QAM	3	0	17.68	17.57	17.60	18.00
1.4	256QAM	3	1	17.51	17.59	17.41	18.00
1.4	256QAM	3	3	17.53	17.52	17.34	18.00
1.4	256QAM	6	0	17.67	17.69	17.60	18.00

【LTE Band 26_FCC (814~849MHz)_Ant 1_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.27	21.23	21.20	22.70
15	QPSK	1	37	20.70	20.66	20.56	22.70
15	QPSK	1	74	21.00	20.97	20.92	22.70
15	QPSK	36	0	21.17	21.16	21.08	22.70
15	QPSK	36	20	21.01	21.05	21.00	22.70
15	QPSK	36	39	21.09	21.07	21.00	22.70
15	QPSK	75	0	21.10	21.10	21.03	22.70
15	16QAM	1	0	21.19	21.18	21.08	22.70
15	16QAM	1	37	21.15	21.11	21.04	22.70
15	16QAM	1	74	20.99	21.05	21.02	22.70
15	16QAM	36	0	21.17	21.15	21.06	22.70
15	16QAM	36	20	21.01	21.05	21.01	22.70
15	16QAM	36	39	20.99	20.97	20.87	22.70
15	16QAM	75	0	21.06	21.07	20.97	22.70
15	64QAM	1	0	21.13	21.19	21.14	22.70
15	64QAM	1	37	21.13	21.14	21.11	22.70
15	64QAM	1	74	21.14	21.12	21.08	22.70
15	64QAM	36	0	21.10	20.93	20.90	22.30
15	64QAM	36	20	20.99	21.03	20.95	22.30
15	64QAM	36	39	20.98	20.94	20.86	22.30
15	64QAM	75	0	20.97	20.94	21.02	22.30
15	256QAM	1	0	19.62	19.50	19.50	20.30
15	256QAM	1	37	19.29	19.24	19.25	20.30
15	256QAM	1	74	19.40	19.35	19.36	20.30
15	256QAM	36	0	19.48	19.36	19.36	20.30
15	256QAM	36	20	19.41	19.27	19.37	20.30
15	256QAM	36	39	19.36	19.27	19.26	20.30
15	256QAM	75	0	19.42	19.24	19.32	20.30
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.09	21.10	21.00	22.70
10	QPSK	1	25	20.93	20.99	20.73	22.70
10	QPSK	1	49	20.81	20.84	20.57	22.70
10	QPSK	25	0	21.08	21.02	20.94	22.70
10	QPSK	25	12	20.96	20.94	20.81	22.70
10	QPSK	25	25	20.96	20.99	20.62	22.70
10	QPSK	50	0	21.06	20.99	20.77	22.70
10	16QAM	1	0	21.10	21.04	20.94	22.70
10	16QAM	1	25	21.10	20.97	20.94	22.70
10	16QAM	1	49	20.93	20.90	20.93	22.70
10	16QAM	25	0	21.09	21.09	20.94	22.70



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10	16QAM	25	12	20.85	20.88	20.97	22.70
10	16QAM	25	25	20.91	20.83	20.79	22.70
10	16QAM	50	0	20.91	21.03	20.88	22.70
10	64QAM	1	0	21.07	21.09	20.87	22.70
10	64QAM	1	25	21.03	20.97	20.87	22.70
10	64QAM	1	49	21.04	21.07	20.87	22.70
10	64QAM	25	0	21.01	20.86	20.73	22.30
10	64QAM	25	12	20.84	20.87	20.84	22.30
10	64QAM	25	25	20.88	20.82	20.80	22.30
10	64QAM	50	0	20.84	20.82	20.85	22.30
10	256QAM	1	0	19.53	19.37	19.41	20.30
10	256QAM	1	25	19.18	19.13	19.22	20.30
10	256QAM	1	49	19.25	19.19	19.32	20.30
10	256QAM	25	0	19.32	19.23	19.27	20.30
10	256QAM	25	12	19.32	19.22	19.32	20.30
10	256QAM	25	25	19.26	19.13	19.21	20.30
10	256QAM	50	0	19.32	19.18	19.18	20.30
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	21.11	21.12	20.91	22.70
5	QPSK	1	12	20.96	20.96	20.69	22.70
5	QPSK	1	24	20.90	20.72	20.53	22.70
5	QPSK	12	0	21.06	21.12	20.87	22.70
5	QPSK	12	7	21.06	20.99	20.83	22.70
5	QPSK	12	13	20.96	20.98	20.71	22.70
5	QPSK	25	0	21.07	20.98	20.80	22.70
5	16QAM	1	0	21.07	21.10	20.95	22.70
5	16QAM	1	12	21.02	21.00	20.96	22.70
5	16QAM	1	24	20.91	20.94	20.99	22.70
5	16QAM	12	0	21.11	21.09	20.91	22.70
5	16QAM	12	7	20.95	20.99	20.93	22.70
5	16QAM	12	13	20.90	20.80	20.72	22.70
5	16QAM	25	0	21.02	21.01	20.83	22.70
5	64QAM	1	0	21.09	21.14	20.94	22.70
5	64QAM	1	12	21.09	21.02	20.89	22.70
5	64QAM	1	24	21.02	20.96	20.98	22.70
5	64QAM	12	0	21.07	20.85	20.74	22.30
5	64QAM	12	7	20.88	20.90	20.90	22.30
5	64QAM	12	13	20.86	20.88	20.82	22.30
5	64QAM	25	0	20.88	20.81	20.98	22.30
5	256QAM	1	0	19.53	19.43	19.45	20.30
5	256QAM	1	12	19.12	19.14	19.09	20.30
5	256QAM	1	24	19.33	19.31	19.29	20.30
5	256QAM	12	0	19.34	19.23	19.27	20.30
5	256QAM	12	7	19.26	19.15	19.31	20.30
5	256QAM	12	13	19.28	19.11	19.18	20.30
5	256QAM	25	0	19.31	19.10	19.15	20.30
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.06	21.16	20.88	22.70
3	QPSK	1	8	20.89	20.89	20.72	22.70
3	QPSK	1	14	20.91	20.84	20.47	22.70
3	QPSK	8	0	21.07	21.09	20.95	22.70
3	QPSK	8	4	20.97	20.94	20.84	22.70
3	QPSK	8	7	20.97	20.97	20.64	22.70
3	QPSK	15	0	20.94	21.02	20.75	22.70
3	16QAM	1	0	21.08	21.13	20.92	22.70
3	16QAM	1	8	21.00	21.07	20.88	22.70
3	16QAM	1	14	20.95	20.94	20.98	22.70
3	16QAM	8	0	21.01	21.01	20.89	22.70
3	16QAM	8	4	20.90	21.01	20.89	22.70
3	16QAM	8	7	20.95	20.89	20.72	22.70
3	16QAM	15	0	21.02	20.96	20.81	22.70
3	64QAM	1	0	20.96	21.12	20.95	22.70
3	64QAM	1	8	21.05	20.99	20.93	22.70
3	64QAM	1	14	20.99	21.00	20.91	22.70
3	64QAM	8	0	21.06	20.89	20.74	22.30
3	64QAM	8	4	20.87	20.87	20.83	22.30
3	64QAM	8	7	20.87	20.89	20.83	22.30
3	64QAM	15	0	20.86	20.80	20.97	22.30
3	256QAM	1	0	19.52	19.35	19.46	20.30
3	256QAM	1	8	19.20	19.19	19.17	20.30
3	256QAM	1	14	19.27	19.23	19.24	20.30
3	256QAM	8	0	19.40	19.20	19.26	20.30
3	256QAM	8	4	19.31	19.24	19.21	20.30
3	256QAM	8	7	19.27	19.16	19.20	20.30
3	256QAM	15	0	19.34	19.18	19.24	20.30
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.13	21.17	20.95	22.70
1.4	QPSK	1	3	20.83	20.98	20.75	22.70
1.4	QPSK	1	5	20.81	20.80	20.59	22.70
1.4	QPSK	3	0	21.11	21.04	20.94	22.70
1.4	QPSK	3	1	21.04	21.02	20.84	22.70
1.4	QPSK	3	3	20.96	20.96	20.64	22.70
1.4	QPSK	6	0	21.04	20.96	20.73	22.70
1.4	16QAM	1	0	21.08	21.10	20.97	22.70
1.4	16QAM	1	3	20.99	20.96	20.89	22.70
1.4	16QAM	1	5	20.96	20.95	20.89	22.70
1.4	16QAM	3	0	21.05	21.09	20.87	22.70
1.4	16QAM	3	1	20.91	20.97	20.97	22.70
1.4	16QAM	3	3	20.84	20.83	20.80	22.70
1.4	16QAM	6	0	21.01	20.96	20.93	22.70
1.4	64QAM	1	0	21.07	21.09	20.89	22.70
1.4	64QAM	1	3	21.03	21.02	20.87	22.70
1.4	64QAM	1	5	21.03	20.98	20.98	22.70
1.4	64QAM	3	0	20.98	20.82	20.75	22.30
1.4	64QAM	3	1	20.89	20.96	20.79	22.30
1.4	64QAM	3	3	20.84	20.78	20.83	22.30
1.4	64QAM	6	0	20.61	20.59	20.62	22.30
1.4	256QAM	1	0	18.45	18.29	18.25	20.30
1.4	256QAM	1	3	18.12	17.99	18.01	20.30
1.4	256QAM	1	5	18.18	18.22	18.16	20.30
1.4	256QAM	3	0	18.23	18.16	18.16	20.30
1.4	256QAM	3	1	18.19	18.10	18.17	20.30
1.4	256QAM	3	3	18.16	18.11	18.07	20.30
1.4	256QAM	6	0	18.27	18.02	18.15	20.30

【LTE Band 26_FCC (814~849MHz)_Ant 1_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.27	21.23	21.20	21.50
15	QPSK	1	37	20.70	20.66	20.56	21.50
15	QPSK	1	74	21.00	20.97	20.92	21.50
15	QPSK	36	0	21.17	21.16	21.08	21.50
15	QPSK	36	20	21.01	21.05	21.00	21.50
15	QPSK	36	39	21.09	21.07	21.00	21.50
15	QPSK	75	0	21.10	21.10	21.03	21.50
15	16QAM	1	0	21.19	21.18	21.08	21.50
15	16QAM	1	37	21.15	21.11	21.04	21.50
15	16QAM	1	74	20.99	21.05	21.02	21.50
15	16QAM	36	0	21.17	21.15	21.06	21.50
15	16QAM	36	20	21.01	21.05	21.01	21.50
15	16QAM	36	39	20.99	20.97	20.87	21.50
15	16QAM	75	0	21.06	21.07	20.97	21.50
15	64QAM	1	0	21.13	21.19	21.14	21.50
15	64QAM	1	37	21.13	21.14	21.11	21.50
15	64QAM	1	74	21.14	21.12	21.08	21.50
15	64QAM	36	0	21.10	20.93	20.90	21.50
15	64QAM	36	20	20.99	21.03	20.95	21.50
15	64QAM	36	39	20.98	20.94	20.86	21.50
15	64QAM	75	0	20.97	20.94	21.02	21.50
15	256QAM	1	0	19.62	19.50	19.50	20.30
15	256QAM	1	37	19.29	19.24	19.25	20.30
15	256QAM	1	74	19.40	19.35	19.36	20.30
15	256QAM	36	0	19.48	19.36	19.36	20.30
15	256QAM	36	20	19.41	19.27	19.37	20.30
15	256QAM	36	39	19.36	19.27	19.26	20.30
15	256QAM	75	0	19.42	19.24	19.32	20.30
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.09	21.10	21.00	21.50
10	QPSK	1	25	20.93	20.99	20.73	21.50
10	QPSK	1	49	20.81	20.84	20.57	21.50
10	QPSK	25	0	21.08	21.02	20.94	21.50
10	QPSK	25	12	20.96	20.94	20.81	21.50
10	QPSK	25	25	20.96	20.99	20.62	21.50
10	QPSK	50	0	21.06	20.99	20.77	21.50
10	16QAM	1	0	21.10	21.04	20.94	21.50
10	16QAM	1	25	21.10	20.97	20.94	21.50
10	16QAM	1	49	20.93	20.90	20.93	21.50
10	16QAM	25	0	21.09	21.09	20.94	21.50



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10	16QAM	25	12	20.85	20.88	20.97	21.50
10	16QAM	25	25	20.91	20.83	20.79	21.50
10	16QAM	50	0	20.91	21.03	20.88	21.50
10	64QAM	1	0	21.07	21.09	20.87	21.50
10	64QAM	1	25	21.03	20.97	20.87	21.50
10	64QAM	1	49	21.04	21.07	20.87	21.50
10	64QAM	25	0	21.01	20.86	20.73	21.50
10	64QAM	25	12	20.84	20.87	20.84	21.50
10	64QAM	25	25	20.88	20.82	20.80	21.50
10	64QAM	50	0	20.84	20.82	20.85	21.50
10	256QAM	1	0	19.53	19.37	19.41	20.30
10	256QAM	1	25	19.18	19.13	19.22	20.30
10	256QAM	1	49	19.25	19.19	19.32	20.30
10	256QAM	25	0	19.32	19.23	19.27	20.30
10	256QAM	25	12	19.32	19.22	19.32	20.30
10	256QAM	25	25	19.26	19.13	19.21	20.30
10	256QAM	50	0	19.32	19.18	19.18	20.30
Channel				26715	26865	27015	Tune-up limit
Frequency (MHz)				816.5	831.5	846.5	(dBm)
5	QPSK	1	0	21.11	21.12	20.91	21.50
5	QPSK	1	12	20.96	20.96	20.69	21.50
5	QPSK	1	24	20.90	20.72	20.53	21.50
5	QPSK	12	0	21.06	21.12	20.87	21.50
5	QPSK	12	7	21.06	20.99	20.83	21.50
5	QPSK	12	13	20.96	20.98	20.71	21.50
5	QPSK	25	0	21.07	20.98	20.80	21.50
5	16QAM	1	0	21.07	21.10	20.95	21.50
5	16QAM	1	12	21.02	21.00	20.96	21.50
5	16QAM	1	24	20.91	20.94	20.99	21.50
5	16QAM	12	0	21.11	21.09	20.91	21.50
5	16QAM	12	7	20.95	20.99	20.93	21.50
5	16QAM	12	13	20.90	20.80	20.72	21.50
5	16QAM	25	0	21.02	21.01	20.83	21.50
5	64QAM	1	0	21.09	21.14	20.94	21.50
5	64QAM	1	12	21.09	21.02	20.89	21.50
5	64QAM	1	24	21.02	20.96	20.98	21.50
5	64QAM	12	0	21.07	20.85	20.74	21.50
5	64QAM	12	7	20.88	20.90	20.90	21.50
5	64QAM	12	13	20.86	20.88	20.82	21.50
5	64QAM	25	0	20.88	20.81	20.98	21.50
5	256QAM	1	0	19.53	19.43	19.45	20.30
5	256QAM	1	12	19.12	19.14	19.09	20.30
5	256QAM	1	24	19.33	19.31	19.29	20.30
5	256QAM	12	0	19.34	19.23	19.27	20.30
5	256QAM	12	7	19.26	19.15	19.31	20.30
5	256QAM	12	13	19.28	19.11	19.18	20.30
5	256QAM	25	0	19.31	19.10	19.15	20.30
Channel				26705	26865	27025	Tune-up limit
Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	21.06	21.16	20.88	21.50
3	QPSK	1	8	20.89	20.89	20.72	21.50
3	QPSK	1	14	20.91	20.84	20.47	21.50
3	QPSK	8	0	21.07	21.09	20.95	21.50
3	QPSK	8	4	20.97	20.94	20.84	21.50
3	QPSK	8	7	20.97	20.97	20.64	21.50
3	QPSK	15	0	20.94	21.02	20.75	21.50
3	16QAM	1	0	21.08	21.13	20.92	21.50
3	16QAM	1	8	21.00	21.07	20.88	21.50
3	16QAM	1	14	20.95	20.94	20.98	21.50
3	16QAM	8	0	21.01	21.01	20.89	21.50
3	16QAM	8	4	20.90	21.01	20.89	21.50
3	16QAM	8	7	20.95	20.89	20.72	21.50
3	16QAM	15	0	21.02	20.96	20.81	21.50
3	64QAM	1	0	20.96	21.12	20.95	21.50
3	64QAM	1	8	21.05	20.99	20.93	21.50
3	64QAM	1	14	20.99	21.00	20.91	21.50
3	64QAM	8	0	21.06	20.89	20.74	21.50
3	64QAM	8	4	20.87	20.87	20.83	21.50
3	64QAM	8	7	20.87	20.89	20.83	21.50
3	64QAM	15	0	20.86	20.80	20.97	21.50
3	256QAM	1	0	19.52	19.35	19.46	20.30
3	256QAM	1	8	19.20	19.19	19.17	20.30
3	256QAM	1	14	19.27	19.23	19.24	20.30
3	256QAM	8	0	19.40	19.20	19.26	20.30
3	256QAM	8	4	19.31	19.24	19.21	20.30
3	256QAM	8	7	19.27	19.16	19.20	20.30
3	256QAM	15	0	19.34	19.18	19.24	20.30
Channel				26697	26865	27033	Tune-up limit

Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.13	21.17	20.95	21.50
1.4	QPSK	1	3	20.83	20.98	20.75	21.50
1.4	QPSK	1	5	20.81	20.80	20.59	21.50
1.4	QPSK	3	0	21.11	21.04	20.94	21.50
1.4	QPSK	3	1	21.04	21.02	20.84	21.50
1.4	QPSK	3	3	20.96	20.96	20.64	21.50
1.4	QPSK	6	0	21.04	20.96	20.73	21.50
1.4	16QAM	1	0	21.08	21.10	20.97	21.50
1.4	16QAM	1	3	20.99	20.96	20.89	21.50
1.4	16QAM	1	5	20.96	20.95	20.89	21.50
1.4	16QAM	3	0	21.05	21.09	20.87	21.50
1.4	16QAM	3	1	20.91	20.97	20.97	21.50
1.4	16QAM	3	3	20.84	20.83	20.80	21.50
1.4	16QAM	6	0	21.01	20.96	20.93	21.50
1.4	64QAM	1	0	21.07	21.09	20.89	21.50
1.4	64QAM	1	3	21.03	21.02	20.87	21.50
1.4	64QAM	1	5	21.03	20.98	20.98	21.50
1.4	64QAM	3	0	20.98	20.82	20.75	21.50
1.4	64QAM	3	1	20.89	20.96	20.79	21.50
1.4	64QAM	3	3	20.84	20.78	20.83	21.50
1.4	64QAM	6	0	20.61	20.59	20.62	21.20
1.4	256QAM	1	0	18.45	18.29	18.25	19.20
1.4	256QAM	1	3	18.12	17.99	18.01	19.20
1.4	256QAM	1	5	18.18	18.22	18.16	19.20
1.4	256QAM	3	0	18.23	18.16	18.16	19.20
1.4	256QAM	3	1	18.19	18.10	18.17	19.20
1.4	256QAM	3	3	18.16	18.11	18.07	19.20
1.4	256QAM	6	0	18.27	18.02	18.15	19.20

【LTE Band 30_Ant 0_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.43		23.90
10	QPSK	1	25		23.36		23.90
10	QPSK	1	49		23.35		23.90
10	QPSK	25	0		22.42		22.90
10	QPSK	25	12		22.41		22.90
10	QPSK	25	25		22.40		22.90
10	QPSK	50	0		22.40		22.90
10	16QAM	1	0		22.70		22.90
10	16QAM	1	25		22.52		22.90
10	16QAM	1	49		22.58		22.90
10	16QAM	25	0		21.45		21.90
10	16QAM	25	12		21.43		21.90
10	16QAM	25	25		21.39		21.90
10	16QAM	50	0		21.38		21.90
10	64QAM	1	0		21.66		21.90
10	64QAM	1	25		21.43		21.90
10	64QAM	1	49		21.47		21.90
10	64QAM	25	0		20.32		20.90
10	64QAM	25	12		20.30		20.90
10	64QAM	25	25		20.27		20.90
10	64QAM	50	0		20.29		20.90
10	256QAM	1	0		18.34		18.90
10	256QAM	1	25		18.33		18.90
10	256QAM	1	49		18.32		18.90
10	256QAM	25	0		18.25		18.90
10	256QAM	25	12		18.23		18.90
10	256QAM	25	25		18.24		18.90
10	256QAM	50	0		18.27		18.90
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.30	23.40	23.36	23.90
5	QPSK	1	12	23.28	23.33	23.37	23.90
5	QPSK	1	24	23.27	23.32	23.30	23.90
5	QPSK	12	0	22.27	22.34	22.31	22.90
5	QPSK	12	7	22.20	22.27	22.27	22.90
5	QPSK	12	13	22.22	22.31	22.27	22.90
5	QPSK	25	0	22.26	22.32	22.27	22.90
5	16QAM	1	0	22.61	22.69	22.60	22.90
5	16QAM	1	12	22.59	22.68	22.57	22.90
5	16QAM	1	24	22.53	22.52	22.49	22.90
5	16QAM	12	0	21.22	21.33	21.33	21.90

5	16QAM	12	7	21.21	21.36	21.32	21.90
5	16QAM	12	13	21.27	21.32	21.29	21.90
5	16QAM	25	0	21.21	21.27	21.25	21.90
5	64QAM	1	0	21.23	21.47	21.40	21.90
5	64QAM	1	12	21.48	21.53	21.47	21.90
5	64QAM	1	24	21.30	21.34	21.31	21.90
5	64QAM	12	0	20.19	20.25	20.26	20.90
5	64QAM	12	7	20.19	20.24	20.20	20.90
5	64QAM	12	13	20.20	20.26	20.20	20.90
5	64QAM	25	0	20.17	20.22	20.20	20.90
5	256QAM	1	0	18.22	18.37	18.31	18.90
5	256QAM	1	12	18.20	18.24	18.24	18.90
5	256QAM	1	24	18.36	18.35	18.28	18.90
5	256QAM	12	0	18.14	18.22	18.18	18.90
5	256QAM	12	7	18.17	18.20	18.22	18.90
5	256QAM	12	13	18.14	18.23	18.21	18.90
5	256QAM	25	0	18.14	18.18	18.19	18.90

【LTE Band 30_Ant 0_Index 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.43		23.90
10	QPSK	1	25		23.36		23.90
10	QPSK	1	49		23.35		23.90
10	QPSK	25	0		22.42		22.90
10	QPSK	25	12		22.41		22.90
10	QPSK	25	25		22.40		22.90
10	QPSK	50	0		22.40		22.90
10	16QAM	1	0		22.70		22.90
10	16QAM	1	25		22.52		22.90
10	16QAM	1	49		22.58		22.90
10	16QAM	25	0		21.45		21.90
10	16QAM	25	12		21.43		21.90
10	16QAM	25	25		21.39		21.90
10	16QAM	50	0		21.38		21.90
10	64QAM	1	0		21.66		21.90
10	64QAM	1	25		21.43		21.90
10	64QAM	1	49		21.47		21.90
10	64QAM	25	0		20.32		20.90
10	64QAM	25	12		20.30		20.90
10	64QAM	25	25		20.27		20.90
10	64QAM	50	0		20.29		20.90
10	256QAM	1	0		18.34		18.90
10	256QAM	1	25		18.33		18.90
10	256QAM	1	49		18.32		18.90
10	256QAM	25	0		18.25		18.90
10	256QAM	25	12		18.23		18.90
10	256QAM	25	25		18.24		18.90
10	256QAM	50	0		18.27		18.90
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	23.30	23.40	23.36	23.90
5	QPSK	1	12	23.28	23.33	23.37	23.90
5	QPSK	1	24	23.27	23.32	23.30	23.90
5	QPSK	12	0	22.27	22.34	22.31	22.90
5	QPSK	12	7	22.20	22.27	22.27	22.90
5	QPSK	12	13	22.22	22.31	22.27	22.90
5	QPSK	25	0	22.26	22.32	22.27	22.90
5	16QAM	1	0	22.61	22.69	22.60	22.90
5	16QAM	1	12	22.59	22.68	22.57	22.90
5	16QAM	1	24	22.53	22.52	22.49	22.90
5	16QAM	12	0	21.22	21.33	21.33	21.90
5	16QAM	12	7	21.21	21.36	21.32	21.90
5	16QAM	12	13	21.27	21.32	21.29	21.90
5	16QAM	25	0	21.21	21.27	21.25	21.90
5	64QAM	1	0	21.23	21.47	21.40	21.90
5	64QAM	1	12	21.48	21.53	21.47	21.90
5	64QAM	1	24	21.30	21.34	21.31	21.90
5	64QAM	12	0	20.19	20.25	20.26	20.90
5	64QAM	12	7	20.19	20.24	20.20	20.90
5	64QAM	12	13	20.20	20.26	20.20	20.90
5	64QAM	25	0	20.17	20.22	20.20	20.90
5	256QAM	1	0	18.22	18.37	18.31	18.90
5	256QAM	1	12	18.20	18.24	18.24	18.90

5	256QAM	1	24	18.36	18.35	18.28	18.90
5	256QAM	12	0	18.14	18.22	18.18	18.90
5	256QAM	12	7	18.17	18.20	18.22	18.90
5	256QAM	12	13	18.14	18.23	18.21	18.90
5	256QAM	25	0	18.14	18.18	18.19	18.90

【LTE Band 30_Ant 0_Index 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.43		23.90
10	QPSK	1	25		23.36		23.90
10	QPSK	1	49		23.35		23.90
10	QPSK	25	0		22.42		22.90
10	QPSK	25	12		22.41		22.90
10	QPSK	25	25		22.40		22.90
10	QPSK	50	0		22.40		22.90
10	16QAM	1	0		22.70		22.90
10	16QAM	1	25		22.52		22.90
10	16QAM	1	49		22.58		22.90
10	16QAM	25	0		21.45		21.90
10	16QAM	25	12		21.43		21.90
10	16QAM	25	25		21.39		21.90
10	16QAM	50	0		21.38		21.90
10	64QAM	1	0		21.66		21.90
10	64QAM	1	25		21.43		21.90
10	64QAM	1	49		21.47		21.90
10	64QAM	25	0		20.32		20.90
10	64QAM	25	12		20.30		20.90
10	64QAM	25	25		20.27		20.90
10	64QAM	50	0		20.29		20.90
10	256QAM	1	0		18.34		18.90
10	256QAM	1	25		18.33		18.90
10	256QAM	1	49		18.32		18.90
10	256QAM	25	0		18.25		18.90
10	256QAM	25	12		18.23		18.90
10	256QAM	25	25		18.24		18.90
10	256QAM	50	0		18.27		18.90
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.30	23.40	23.36	23.90
5	QPSK	1	12	23.28	23.33	23.37	23.90
5	QPSK	1	24	23.27	23.32	23.30	23.90
5	QPSK	12	0	22.27	22.34	22.31	22.90
5	QPSK	12	7	22.20	22.27	22.27	22.90
5	QPSK	12	13	22.22	22.31	22.27	22.90
5	QPSK	25	0	22.26	22.32	22.27	22.90
5	16QAM	1	0	22.61	22.69	22.60	22.90
5	16QAM	1	12	22.59	22.68	22.57	22.90
5	16QAM	1	24	22.53	22.52	22.49	22.90
5	16QAM	12	0	21.22	21.33	21.33	21.90
5	16QAM	12	7	21.21	21.36	21.32	21.90
5	16QAM	12	13	21.27	21.32	21.29	21.90
5	16QAM	25	0	21.21	21.27	21.25	21.90
5	64QAM	1	0	21.23	21.47	21.40	21.90
5	64QAM	1	12	21.48	21.53	21.47	21.90
5	64QAM	1	24	21.30	21.34	21.31	21.90
5	64QAM	12	0	20.19	20.25	20.26	20.90
5	64QAM	12	7	20.19	20.24	20.20	20.90
5	64QAM	12	13	20.20	20.26	20.20	20.90
5	64QAM	25	0	20.17	20.22	20.20	20.90
5	256QAM	1	0	18.22	18.37	18.31	18.90
5	256QAM	1	12	18.20	18.24	18.24	18.90
5	256QAM	1	24	18.36	18.35	18.28	18.90
5	256QAM	12	0	18.14	18.22	18.18	18.90
5	256QAM	12	7	18.17	18.20	18.22	18.90
5	256QAM	12	13	18.14	18.23	18.21	18.90
5	256QAM	25	0	18.14	18.18	18.19	18.90

【LTE Band 30_Ant 0_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		



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Frequency (MHz)					2310		
10	QPSK	1	0		19.15		19.20
10	QPSK	1	25		19.06		19.20
10	QPSK	1	49		18.92		19.20
10	QPSK	25	0		19.11		19.20
10	QPSK	25	12		19.09		19.20
10	QPSK	25	25		19.00		19.20
10	QPSK	50	0		19.10		19.20
10	16QAM	1	0		19.12		19.20
10	16QAM	1	25		19.09		19.20
10	16QAM	1	49		19.10		19.20
10	16QAM	25	0		19.12		19.20
10	16QAM	25	12		19.02		19.20
10	16QAM	25	25		19.07		19.20
10	16QAM	50	0		19.08		19.20
10	64QAM	1	0		19.12		19.20
10	64QAM	1	25		19.12		19.20
10	64QAM	1	49		19.11		19.20
10	64QAM	25	0		19.10		19.20
10	64QAM	25	12		19.04		19.20
10	64QAM	25	25		19.07		19.20
10	64QAM	50	0		19.08		19.20
10	256QAM	1	0		18.15		18.90
10	256QAM	1	25		18.09		18.90
10	256QAM	1	49		18.08		18.90
10	256QAM	25	0		18.05		18.90
10	256QAM	25	12		18.06		18.90
10	256QAM	25	25		18.03		18.90
10	256QAM	50	0		18.10		18.90
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.01	19.11	19.00	19.20
5	QPSK	1	12	19.03	18.91	19.00	19.20
5	QPSK	1	24	18.72	18.75	18.85	19.20
5	QPSK	12	0	19.04	18.93	18.95	19.20
5	QPSK	12	7	18.90	19.02	18.98	19.20
5	QPSK	12	13	18.85	18.85	18.84	19.20
5	QPSK	25	0	18.99	19.01	18.93	19.20
5	16QAM	1	0	19.07	19.10	19.01	19.20
5	16QAM	1	12	19.08	19.07	19.05	19.20
5	16QAM	1	24	18.94	18.97	19.10	19.20
5	16QAM	12	0	19.09	18.98	19.10	19.20
5	16QAM	12	7	18.94	18.93	18.94	19.20
5	16QAM	12	13	19.07	18.89	18.96	19.20
5	16QAM	25	0	18.95	18.94	19.01	19.20
5	64QAM	1	0	19.06	19.12	19.07	19.20
5	64QAM	1	12	19.00	19.04	19.07	19.20
5	64QAM	1	24	19.04	19.04	19.05	19.20
5	64QAM	12	0	19.05	19.10	18.99	19.20
5	64QAM	12	7	18.98	19.03	18.94	19.20
5	64QAM	12	13	18.87	19.05	18.93	19.20
5	64QAM	25	0	19.07	18.93	19.07	19.20
5	256QAM	1	0	17.95	18.07	18.12	18.90
5	256QAM	1	12	18.00	17.97	18.07	18.90
5	256QAM	1	24	17.97	17.90	18.05	18.90
5	256QAM	12	0	18.00	17.88	17.87	18.90
5	256QAM	12	7	17.87	17.98	17.90	18.90
5	256QAM	12	13	18.00	17.91	17.99	18.90
5	256QAM	25	0	17.99	18.02	17.89	18.90

【LTE Band 30_Ant 0_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		19.15		20.40
10	QPSK	1	25		19.06		20.40
10	QPSK	1	49		18.92		20.40
10	QPSK	25	0		19.11		20.40
10	QPSK	25	12		19.09		20.40
10	QPSK	25	25		19.00		20.40
10	QPSK	50	0		19.10		20.40
10	16QAM	1	0		19.12		20.40
10	16QAM	1	25		19.09		20.40
10	16QAM	1	49		19.10		20.40
10	16QAM	25	0		19.12		20.40
10	16QAM	25	12		19.02		20.40
10	16QAM	25	25		19.07		20.40
10	16QAM	50	0		19.08		20.40
10	64QAM	1	0		19.12		20.40
10	64QAM	1	25		19.12		20.40
10	64QAM	1	49		19.11		20.40
10	64QAM	25	0		19.10		20.40
10	64QAM	25	12		19.04		20.40
10	64QAM	25	25		19.07		20.40
10	64QAM	50	0		19.08		20.40
10	256QAM	1	0		18.15		20.10
10	256QAM	1	25		18.09		20.10
10	256QAM	1	49		18.08		20.10
10	256QAM	25	0		18.05		20.10
10	256QAM	25	12		18.06		20.10
10	256QAM	25	25		18.03		20.10
10	256QAM	50	0		18.10		20.10
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.01	19.11	19.00	20.40
5	QPSK	1	12	19.03	18.91	19.00	20.40
5	QPSK	1	24	18.72	18.75	18.85	20.40
5	QPSK	12	0	19.04	18.93	18.95	20.40
5	QPSK	12	7	18.90	19.02	18.98	20.40
5	QPSK	12	13	18.85	18.85	18.84	20.40
5	QPSK	25	0	18.99	19.01	18.93	20.40
5	16QAM	1	0	19.07	19.10	19.01	20.40
5	16QAM	1	12	19.08	19.07	19.05	20.40
5	16QAM	1	24	18.94	18.97	19.10	20.40
5	16QAM	12	0	19.09	18.98	19.10	20.40
5	16QAM	12	7	18.94	18.93	18.94	20.40
5	16QAM	12	13	19.07	18.89	18.96	20.40
5	16QAM	25	0	18.95	18.94	19.01	20.40
5	64QAM	1	0	19.06	19.12	19.07	20.40
5	64QAM	1	12	19.00	19.04	19.07	20.40
5	64QAM	1	24	19.04	19.04	19.05	20.40
5	64QAM	12	0	19.05	19.10	18.99	20.40
5	64QAM	12	7	18.98	19.03	18.94	20.40
5	64QAM	12	13	18.87	19.05	18.93	20.40
5	64QAM	25	0	19.07	18.93	19.07	20.40
5	256QAM	1	0	17.95	18.07	18.12	20.10
5	256QAM	1	12	18.00	17.97	18.07	20.10
5	256QAM	1	24	17.97	17.90	18.05	20.10
5	256QAM	12	0	18.00	17.88	17.87	20.10
5	256QAM	12	7	17.87	17.98	17.90	20.10
5	256QAM	12	13	18.00	17.91	17.99	20.10
5	256QAM	25	0	17.99	18.02	17.89	20.10

【LTE Band 30_Ant 2_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.60		23.90
10	QPSK	1	25		23.47		23.90
10	QPSK	1	49		23.46		23.90
10	QPSK	25	0		22.59		22.90
10	QPSK	25	12		22.51		22.90

10	QPSK	25	25		22.45		22.90
10	QPSK	50	0		22.46		22.90
10	16QAM	1	0		22.66		22.90
10	16QAM	1	25		22.79		22.90
10	16QAM	1	49		22.70		22.90
10	16QAM	25	0		21.45		21.90
10	16QAM	25	12		21.46		21.90
10	16QAM	25	25		21.47		21.90
10	16QAM	50	0		21.43		21.90
10	64QAM	1	0		21.66		21.90
10	64QAM	1	25		21.53		21.90
10	64QAM	1	49		21.63		21.90
10	64QAM	25	0		20.38		20.90
10	64QAM	25	12		20.34		20.90
10	64QAM	25	25		20.36		20.90
10	64QAM	50	0		20.36		20.90
10	256QAM	1	0		18.43		18.90
10	256QAM	1	25		18.49		18.90
10	256QAM	1	49		18.48		18.90
10	256QAM	25	0		18.35		18.90
10	256QAM	25	12		18.33		18.90
10	256QAM	25	25		18.34		18.90
10	256QAM	50	0		18.41		18.90
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.53	23.58	23.55	23.90
5	QPSK	1	12	23.36	23.46	23.46	23.90
5	QPSK	1	24	23.46	23.55	23.50	23.90
5	QPSK	12	0	22.44	22.54	22.51	22.90
5	QPSK	12	7	22.40	22.47	22.46	22.90
5	QPSK	12	13	22.46	22.54	22.49	22.90
5	QPSK	25	0	22.46	22.49	22.51	22.90
5	16QAM	1	0	22.73	22.85	22.78	22.90
5	16QAM	1	12	22.70	22.76	22.88	22.90
5	16QAM	1	24	22.66	22.73	22.72	22.90
5	16QAM	12	0	21.38	21.51	21.50	21.90
5	16QAM	12	7	21.44	21.55	21.55	21.90
5	16QAM	12	13	21.41	21.51	21.47	21.90
5	16QAM	25	0	21.40	21.48	21.47	21.90
5	64QAM	1	0	21.37	21.80	21.56	21.90
5	64QAM	1	12	21.58	21.62	21.63	21.90
5	64QAM	1	24	21.66	21.71	21.55	21.90
5	64QAM	12	0	20.40	20.47	20.46	20.90
5	64QAM	12	7	20.35	20.46	20.44	20.90
5	64QAM	12	13	20.36	20.48	20.43	20.90
5	64QAM	25	0	20.34	20.42	20.42	20.90
5	256QAM	1	0	18.30	18.54	18.55	18.90
5	256QAM	1	12	18.31	18.42	18.43	18.90
5	256QAM	1	24	18.57	18.60	18.53	18.90
5	256QAM	12	0	18.34	18.41	18.42	18.90
5	256QAM	12	7	18.31	18.42	18.35	18.90
5	256QAM	12	13	18.32	18.41	18.38	18.90
5	256QAM	25	0	18.30	18.38	18.37	18.90

【LTE Band 30_Ant 2_Index 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.40		23.90
10	QPSK	1	25		23.38		23.90
10	QPSK	1	49		23.30		23.90
10	QPSK	25	0		22.38		22.90
10	QPSK	25	12		22.36		22.90
10	QPSK	25	25		22.36		22.90
10	QPSK	50	0		22.35		22.90
10	16QAM	1	0		22.57		22.90
10	16QAM	1	25		22.52		22.90
10	16QAM	1	49		22.62		22.90
10	16QAM	25	0		21.36		21.90
10	16QAM	25	12		21.36		21.90
10	16QAM	25	25		21.36		21.90
10	16QAM	50	0		21.34		21.90
10	64QAM	1	0		21.48		21.90
10	64QAM	1	25		21.43		21.90
10	64QAM	1	49		21.49		21.90

10	64QAM	25	0		20.26		20.90
10	64QAM	25	12		20.27		20.90
10	64QAM	25	25		20.24		20.90
10	64QAM	50	0		20.28		20.90
10	256QAM	1	0		18.39		18.90
10	256QAM	1	25		18.20		18.90
10	256QAM	1	49		18.33		18.90
10	256QAM	25	0		18.23		18.90
10	256QAM	25	12		18.27		18.90
10	256QAM	25	25		18.27		18.90
10	256QAM	50	0		18.27		18.90
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.23	23.26	23.33	23.90
5	QPSK	1	12	23.19	23.26	23.32	23.90
5	QPSK	1	24	23.29	23.20	23.16	23.90
5	QPSK	12	0	22.27	22.38	22.27	22.90
5	QPSK	12	7	22.21	22.27	22.18	22.90
5	QPSK	12	13	22.22	22.34	22.32	22.90
5	QPSK	25	0	22.33	22.25	22.21	22.90
5	16QAM	1	0	22.45	22.48	22.41	22.90
5	16QAM	1	12	22.47	22.34	22.36	22.90
5	16QAM	1	24	22.51	22.49	22.45	22.90
5	16QAM	12	0	21.17	21.24	21.33	21.90
5	16QAM	12	7	21.29	21.16	21.20	21.90
5	16QAM	12	13	21.19	21.27	21.27	21.90
5	16QAM	25	0	21.17	21.32	21.30	21.90
5	64QAM	1	0	21.45	21.43	21.31	21.90
5	64QAM	1	12	21.23	21.30	21.29	21.90
5	64QAM	1	24	21.48	21.39	21.43	21.90
5	64QAM	12	0	20.17	20.24	20.09	20.90
5	64QAM	12	7	20.22	20.23	20.17	20.90
5	64QAM	12	13	20.14	20.19	20.10	20.90
5	64QAM	25	0	20.20	20.25	20.15	20.90
5	256QAM	1	0	18.36	18.33	18.20	18.90
5	256QAM	1	12	18.15	18.20	18.16	18.90
5	256QAM	1	24	18.13	18.20	18.24	18.90
5	256QAM	12	0	18.23	18.21	18.17	18.90
5	256QAM	12	7	18.23	18.13	18.10	18.90
5	256QAM	12	13	18.25	18.11	18.26	18.90
5	256QAM	25	0	18.09	18.25	18.18	18.90

【LTE Band 30_Ant 2_Index 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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		23.40		23.50
10	QPSK	1	25		23.38		23.50
10	QPSK	1	49		23.30		23.50
10	QPSK	25	0		22.38		22.90
10	QPSK	25	12		22.36		22.90
10	QPSK	25	25		22.36		22.90
10	QPSK	50	0		22.35		22.90
10	16QAM	1	0		22.57		22.90
10	16QAM	1	25		22.52		22.90
10	16QAM	1	49		22.62		22.90
10	16QAM	25	0		21.36		21.90
10	16QAM	25	12		21.36		21.90
10	16QAM	25	25		21.36		21.90
10	16QAM	50	0		21.34		21.90
10	64QAM	1	0		21.48		21.90
10	64QAM	1	25		21.43		21.90
10	64QAM	1	49		21.49		21.90
10	64QAM	25	0		20.26		20.90
10	64QAM	25	12		20.27		20.90
10	64QAM	25	25		20.24		20.90
10	64QAM	50	0		20.28		20.90
10	256QAM	1	0		18.39		18.90
10	256QAM	1	25		18.20		18.90
10	256QAM	1	49		18.33		18.90
10	256QAM	25	0		18.23		18.90
10	256QAM	25	12		18.27		18.90
10	256QAM	25	25		18.27		18.90
10	256QAM	50	0		18.27		18.90
Channel				27685	27710	27735	Tune-up limit

Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	23.23	23.26	23.33	23.50
5	QPSK	1	12	23.19	23.26	23.32	23.50
5	QPSK	1	24	23.29	23.20	23.16	23.50
5	QPSK	12	0	22.27	22.38	22.27	22.90
5	QPSK	12	7	22.21	22.27	22.18	22.90
5	QPSK	12	13	22.22	22.34	22.32	22.90
5	QPSK	25	0	22.33	22.25	22.21	22.90
5	16QAM	1	0	22.45	22.48	22.41	22.90
5	16QAM	1	12	22.47	22.34	22.36	22.90
5	16QAM	1	24	22.51	22.49	22.45	22.90
5	16QAM	12	0	21.17	21.24	21.33	21.90
5	16QAM	12	7	21.29	21.16	21.20	21.90
5	16QAM	12	13	21.19	21.27	21.27	21.90
5	16QAM	25	0	21.17	21.32	21.30	21.90
5	64QAM	1	0	21.45	21.43	21.31	21.90
5	64QAM	1	12	21.23	21.30	21.29	21.90
5	64QAM	1	24	21.48	21.39	21.43	21.90
5	64QAM	12	0	20.17	20.24	20.09	20.90
5	64QAM	12	7	20.22	20.23	20.17	20.90
5	64QAM	12	13	20.14	20.19	20.10	20.90
5	64QAM	25	0	20.20	20.25	20.15	20.90
5	256QAM	1	0	18.36	18.33	18.20	18.90
5	256QAM	1	12	18.15	18.20	18.16	18.90
5	256QAM	1	24	18.13	18.20	18.24	18.90
5	256QAM	12	0	18.23	18.21	18.17	18.90
5	256QAM	12	7	18.23	18.13	18.10	18.90
5	256QAM	12	13	18.25	18.11	18.26	18.90
5	256QAM	25	0	18.09	18.25	18.18	18.90

【LTE Band 30_Ant 2_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		15.88		15.90
10	QPSK	1	25		15.86		15.90
10	QPSK	1	49		15.78		15.90
10	QPSK	25	0		15.82		15.90
10	QPSK	25	12		15.79		15.90
10	QPSK	25	25		15.75		15.90
10	QPSK	50	0		15.77		15.90
10	16QAM	1	0		15.85		15.90
10	16QAM	1	25		15.80		15.90
10	16QAM	1	49		15.85		15.90
10	16QAM	25	0		15.82		15.90
10	16QAM	25	12		15.78		15.90
10	16QAM	25	25		15.77		15.90
10	16QAM	50	0		15.79		15.90
10	64QAM	1	0		15.88		15.90
10	64QAM	1	25		15.86		15.90
10	64QAM	1	49		15.82		15.90
10	64QAM	25	0		15.74		15.90
10	64QAM	25	12		15.78		15.90
10	64QAM	25	25		15.76		15.90
10	64QAM	50	0		15.77		15.90
10	256QAM	1	0		15.80		15.90
10	256QAM	1	25		15.78		15.90
10	256QAM	1	49		15.86		15.90
10	256QAM	25	0		15.72		15.90
10	256QAM	25	12		15.69		15.90
10	256QAM	25	25		15.68		15.90
10	256QAM	50	0		15.80		15.90
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	15.81	15.85	15.85	15.90
5	QPSK	1	12	15.84	15.86	15.75	15.90
5	QPSK	1	24	15.67	15.65	15.73	15.90
5	QPSK	12	0	15.75	15.65	15.69	15.90
5	QPSK	12	7	15.64	15.72	15.61	15.90
5	QPSK	12	13	15.60	15.68	15.59	15.90
5	QPSK	25	0	15.67	15.72	15.58	15.90
5	16QAM	1	0	15.82	15.84	15.84	15.90
5	16QAM	1	12	15.70	15.60	15.70	15.90
5	16QAM	1	24	15.69	15.73	15.74	15.90
5	16QAM	12	0	15.71	15.64	15.69	15.90

5	16QAM	12	7	15.58	15.70	15.63	15.90
5	16QAM	12	13	15.70	15.65	15.65	15.90
5	16QAM	25	0	15.64	15.73	15.61	15.90
5	64QAM	1	0	15.75	15.78	15.72	15.90
5	64QAM	1	12	15.80	15.66	15.69	15.90
5	64QAM	1	24	15.69	15.69	15.82	15.90
5	64QAM	12	0	15.63	15.70	15.56	15.90
5	64QAM	12	7	15.67	15.75	15.59	15.90
5	64QAM	12	13	15.75	15.70	15.68	15.90
5	64QAM	25	0	15.67	15.68	15.59	15.90
5	256QAM	1	0	15.67	15.68	15.79	15.90
5	256QAM	1	12	15.72	15.72	15.71	15.90
5	256QAM	1	24	15.79	15.85	15.78	15.90
5	256QAM	12	0	15.52	15.66	15.56	15.90
5	256QAM	12	7	15.64	15.65	15.65	15.90
5	256QAM	12	13	15.68	15.56	15.51	15.90
5	256QAM	25	0	15.77	15.70	15.78	15.90

【LTE Band 30_Ant 2_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		15.88		16.10
10	QPSK	1	25		15.86		16.10
10	QPSK	1	49		15.78		16.10
10	QPSK	25	0		15.82		16.10
10	QPSK	25	12		15.79		16.10
10	QPSK	25	25		15.75		16.10
10	QPSK	50	0		15.77		16.10
10	16QAM	1	0		15.85		16.10
10	16QAM	1	25		15.80		16.10
10	16QAM	1	49		15.85		16.10
10	16QAM	25	0		15.82		16.10
10	16QAM	25	12		15.78		16.10
10	16QAM	25	25		15.77		16.10
10	16QAM	50	0		15.79		16.10
10	64QAM	1	0		15.88		16.10
10	64QAM	1	25		15.86		16.10
10	64QAM	1	49		15.82		16.10
10	64QAM	25	0		15.74		16.10
10	64QAM	25	12		15.78		16.10
10	64QAM	25	25		15.76		16.10
10	64QAM	50	0		15.77		16.10
10	256QAM	1	0		15.80		16.10
10	256QAM	1	25		15.78		16.10
10	256QAM	1	49		15.86		16.10
10	256QAM	25	0		15.72		16.10
10	256QAM	25	12		15.69		16.10
10	256QAM	25	25		15.68		16.10
10	256QAM	50	0		15.80		16.10
Channel				27685	27710	27735	Tune-up limit
Frequency (MHz)				2307.5	2310	2312.5	(dBm)
5	QPSK	1	0	15.81	15.85	15.85	16.10
5	QPSK	1	12	15.84	15.86	15.75	16.10
5	QPSK	1	24	15.67	15.65	15.73	16.10
5	QPSK	12	0	15.75	15.65	15.69	16.10
5	QPSK	12	7	15.64	15.72	15.61	16.10
5	QPSK	12	13	15.60	15.68	15.59	16.10
5	QPSK	25	0	15.67	15.72	15.58	16.10
5	16QAM	1	0	15.82	15.84	15.84	16.10
5	16QAM	1	12	15.70	15.60	15.70	16.10
5	16QAM	1	24	15.69	15.73	15.74	16.10
5	16QAM	12	0	15.71	15.64	15.69	16.10
5	16QAM	12	7	15.58	15.70	15.63	16.10
5	16QAM	12	13	15.70	15.65	15.65	16.10
5	16QAM	25	0	15.64	15.73	15.61	16.10
5	64QAM	1	0	15.75	15.78	15.72	16.10
5	64QAM	1	12	15.80	15.66	15.69	16.10
5	64QAM	1	24	15.69	15.69	15.82	16.10
5	64QAM	12	0	15.63	15.70	15.56	16.10
5	64QAM	12	7	15.67	15.75	15.59	16.10
5	64QAM	12	13	15.75	15.70	15.68	16.10
5	64QAM	25	0	15.67	15.68	15.59	16.10
5	256QAM	1	0	15.67	15.68	15.79	16.10
5	256QAM	1	12	15.72	15.72	15.71	16.10

5	256QAM	1	24	15.79	15.85	15.78	16.10
5	256QAM	12	0	15.52	15.66	15.56	16.10
5	256QAM	12	7	15.64	15.65	15.65	16.10
5	256QAM	12	13	15.68	15.56	15.51	16.10
5	256QAM	25	0	15.77	15.70	15.78	16.10

【LTE Band 38_Ant 0_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.64	23.72	23.69	24.60
20	QPSK	1	49	23.29	23.28	23.25	24.60
20	QPSK	1	99	23.36	23.39	23.34	24.60
20	QPSK	50	0	22.65	22.74	22.72	23.60
20	QPSK	50	24	22.56	22.59	22.62	23.60
20	QPSK	50	50	22.47	22.61	22.53	23.60
20	QPSK	100	0	22.62	22.55	22.47	23.60
20	16QAM	1	0	22.61	22.68	22.63	23.60
20	16QAM	1	49	22.73	22.76	22.78	23.60
20	16QAM	1	99	22.51	22.58	22.51	23.60
20	16QAM	50	0	21.64	21.57	21.57	22.60
20	16QAM	50	24	21.51	21.53	21.53	22.60
20	16QAM	50	50	21.54	21.46	21.54	22.60
20	16QAM	100	0	21.50	21.61	21.61	22.60
20	64QAM	1	0	21.24	21.27	21.30	22.60
20	64QAM	1	49	21.27	21.35	21.35	22.60
20	64QAM	1	99	21.06	21.06	21.20	22.60
20	64QAM	50	0	20.54	20.52	20.52	21.60
20	64QAM	50	24	20.45	20.52	20.49	21.60
20	64QAM	50	50	20.45	20.53	20.50	21.60
20	64QAM	100	0	20.51	20.46	20.48	21.60
20	256QAM	1	0	18.56	18.57	18.57	19.60
20	256QAM	1	49	18.57	18.60	18.63	19.60
20	256QAM	1	99	18.49	18.53	18.56	19.60
20	256QAM	50	0	18.79	18.63	18.58	19.60
20	256QAM	50	24	18.74	18.62	18.54	19.60
20	256QAM	50	50	18.73	18.68	18.61	19.60
20	256QAM	100	0	18.71	18.69	18.69	19.60
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.63	23.63	23.65	24.60
15	QPSK	1	37	23.68	23.64	23.64	24.60
15	QPSK	1	74	23.57	23.67	23.70	24.60
15	QPSK	36	0	22.69	22.79	22.83	23.60
15	QPSK	36	20	22.64	22.73	22.79	23.60
15	QPSK	36	39	22.63	22.73	22.77	23.60
15	QPSK	75	0	22.70	22.78	22.83	23.60
15	16QAM	1	0	22.76	22.85	22.91	23.60
15	16QAM	1	37	22.91	23.02	23.04	23.60
15	16QAM	1	74	22.70	22.80	22.85	23.60
15	16QAM	36	0	21.58	21.68	21.74	22.60
15	16QAM	36	20	21.55	21.64	21.70	22.60
15	16QAM	36	39	21.54	21.64	21.69	22.60
15	16QAM	75	0	21.68	21.77	21.81	22.60
15	64QAM	1	0	21.24	21.32	21.39	22.60
15	64QAM	1	37	21.14	21.22	21.33	22.60
15	64QAM	1	74	21.15	21.20	21.30	22.60
15	64QAM	36	0	20.55	20.63	20.69	21.60
15	64QAM	36	20	20.51	20.60	20.66	21.60
15	64QAM	36	39	20.51	20.58	20.65	21.60
15	64QAM	75	0	20.52	20.59	20.68	21.60
15	256QAM	1	0	18.52	18.61	18.67	19.60
15	256QAM	1	37	18.19	18.32	18.42	19.60
15	256QAM	1	74	18.39	18.52	18.58	19.60
15	256QAM	36	0	18.68	18.77	18.83	19.60
15	256QAM	36	20	18.65	18.74	18.80	19.60
15	256QAM	36	39	18.63	18.73	18.79	19.60
15	256QAM	75	0	18.59	18.73	18.81	19.60
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.48	23.59	23.61	24.60
10	QPSK	1	25	23.42	23.57	23.57	24.60
10	QPSK	1	49	23.46	23.58	23.60	24.60
10	QPSK	25	0	22.63	22.73	22.76	23.60
10	QPSK	25	12	22.61	22.71	22.74	23.60

10	QPSK	25	25	22.61	22.70	22.74	23.60
10	QPSK	50	0	22.61	22.69	22.72	23.60
10	16QAM	1	0	22.68	22.79	22.82	23.60
10	16QAM	1	25	22.71	22.82	22.82	23.60
10	16QAM	1	49	22.60	22.72	22.73	23.60
10	16QAM	25	0	21.60	21.70	21.73	22.60
10	16QAM	25	12	21.58	21.68	21.70	22.60
10	16QAM	25	25	21.56	21.66	21.70	22.60
10	16QAM	50	0	21.61	21.69	21.72	22.60
10	64QAM	1	0	21.20	21.28	21.28	22.60
10	64QAM	1	25	20.68	20.73	20.75	22.60
10	64QAM	1	49	21.13	21.23	21.26	22.60
10	64QAM	25	0	20.53	20.62	20.66	21.60
10	64QAM	25	12	20.51	20.59	20.65	21.60
10	64QAM	25	25	20.50	20.60	20.63	21.60
10	64QAM	50	0	20.53	20.63	20.63	21.60
10	256QAM	1	0	18.43	18.51	18.54	19.60
10	256QAM	1	25	18.34	18.45	18.48	19.60
10	256QAM	1	49	18.37	18.48	18.51	19.60
10	256QAM	25	0	18.62	18.71	18.75	19.60
10	256QAM	25	12	18.57	18.67	18.71	19.60
10	256QAM	25	25	18.52	18.68	18.72	19.60
10	256QAM	50	0	18.62	18.72	18.75	19.60
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.56	23.62	23.64	24.60
5	QPSK	1	12	23.37	23.39	23.66	24.60
5	QPSK	1	24	23.48	23.55	23.62	24.60
5	QPSK	12	0	22.69	22.75	22.76	23.60
5	QPSK	12	7	22.64	22.75	22.73	23.60
5	QPSK	12	13	22.66	22.74	22.74	23.60
5	QPSK	25	0	22.67	22.77	22.78	23.60
5	16QAM	1	0	22.65	22.72	22.74	23.60
5	16QAM	1	12	22.83	22.89	22.95	23.60
5	16QAM	1	24	22.66	22.74	22.76	23.60
5	16QAM	12	0	21.60	21.68	21.69	22.60
5	16QAM	12	7	21.58	21.68	21.66	22.60
5	16QAM	12	13	21.60	21.66	21.68	22.60
5	16QAM	25	0	21.63	21.71	21.73	22.60
5	64QAM	1	0	21.20	21.26	21.29	22.60
5	64QAM	1	12	21.22	21.23	21.27	22.60
5	64QAM	1	24	21.19	21.26	21.28	22.60
5	64QAM	12	0	20.59	20.65	20.66	21.60
5	64QAM	12	7	20.55	20.63	20.62	21.60
5	64QAM	12	13	20.57	20.64	20.64	21.60
5	64QAM	25	0	20.57	20.61	20.62	21.60
5	256QAM	1	0	18.41	18.53	18.55	19.60
5	256QAM	1	12	18.10	18.14	18.25	19.60
5	256QAM	1	24	18.40	18.46	18.48	19.60
5	256QAM	12	0	18.70	18.76	18.79	19.60
5	256QAM	12	7	18.64	18.78	18.82	19.60
5	256QAM	12	13	18.70	18.75	18.78	19.60
5	256QAM	25	0	18.64	18.71	18.71	19.60

【LTE Band 38_Ant 0_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.64	23.72	23.69	24.60
20	QPSK	1	49	23.29	23.28	23.25	24.60
20	QPSK	1	99	23.36	23.39	23.34	24.60
20	QPSK	50	0	22.65	22.74	22.72	23.60
20	QPSK	50	24	22.56	22.59	22.62	23.60
20	QPSK	50	50	22.47	22.61	22.53	23.60
20	QPSK	100	0	22.62	22.55	22.47	23.60
20	16QAM	1	0	22.61	22.68	22.63	23.60
20	16QAM	1	49	22.73	22.76	22.78	23.60
20	16QAM	1	99	22.51	22.58	22.51	23.60
20	16QAM	50	0	21.64	21.57	21.57	22.60
20	16QAM	50	24	21.51	21.53	21.53	22.60
20	16QAM	50	50	21.54	21.46	21.54	22.60
20	16QAM	100	0	21.50	21.61	21.61	22.60
20	64QAM	1	0	21.24	21.27	21.30	22.60
20	64QAM	1	49	21.27	21.35	21.35	22.60
20	64QAM	1	99	21.06	21.06	21.20	22.60

20	64QAM	50	0	20.54	20.52	20.52	21.60
20	64QAM	50	24	20.45	20.52	20.49	21.60
20	64QAM	50	50	20.45	20.53	20.50	21.60
20	64QAM	100	0	20.51	20.46	20.48	21.60
20	256QAM	1	0	18.56	18.57	18.57	19.60
20	256QAM	1	49	18.57	18.60	18.63	19.60
20	256QAM	1	99	18.49	18.53	18.56	19.60
20	256QAM	50	0	18.79	18.63	18.58	19.60
20	256QAM	50	24	18.74	18.62	18.54	19.60
20	256QAM	50	50	18.73	18.68	18.61	19.60
20	256QAM	100	0	18.71	18.69	18.69	19.60
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	23.63	23.63	23.65	24.60
15	QPSK	1	37	23.68	23.64	23.64	24.60
15	QPSK	1	74	23.57	23.67	23.70	24.60
15	QPSK	36	0	22.69	22.79	22.83	23.60
15	QPSK	36	20	22.64	22.73	22.79	23.60
15	QPSK	36	39	22.63	22.73	22.77	23.60
15	QPSK	75	0	22.70	22.78	22.83	23.60
15	16QAM	1	0	22.76	22.85	22.91	23.60
15	16QAM	1	37	22.91	23.02	23.04	23.60
15	16QAM	1	74	22.70	22.80	22.85	23.60
15	16QAM	36	0	21.58	21.68	21.74	22.60
15	16QAM	36	20	21.55	21.64	21.70	22.60
15	16QAM	36	39	21.54	21.64	21.69	22.60
15	16QAM	75	0	21.68	21.77	21.81	22.60
15	64QAM	1	0	21.24	21.32	21.39	22.60
15	64QAM	1	37	21.14	21.22	21.33	22.60
15	64QAM	1	74	21.15	21.20	21.30	22.60
15	64QAM	36	0	20.55	20.63	20.69	21.60
15	64QAM	36	20	20.51	20.60	20.66	21.60
15	64QAM	36	39	20.51	20.58	20.65	21.60
15	64QAM	75	0	20.52	20.59	20.68	21.60
15	256QAM	1	0	18.52	18.61	18.67	19.60
15	256QAM	1	37	18.19	18.32	18.42	19.60
15	256QAM	1	74	18.39	18.52	18.58	19.60
15	256QAM	36	0	18.68	18.77	18.83	19.60
15	256QAM	36	20	18.65	18.74	18.80	19.60
15	256QAM	36	39	18.63	18.73	18.79	19.60
15	256QAM	75	0	18.59	18.73	18.81	19.60
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.48	23.59	23.61	24.60
10	QPSK	1	25	23.42	23.57	23.57	24.60
10	QPSK	1	49	23.46	23.58	23.60	24.60
10	QPSK	25	0	22.63	22.73	22.76	23.60
10	QPSK	25	12	22.61	22.71	22.74	23.60
10	QPSK	25	25	22.61	22.70	22.74	23.60
10	QPSK	50	0	22.61	22.69	22.72	23.60
10	16QAM	1	0	22.68	22.79	22.82	23.60
10	16QAM	1	25	22.71	22.82	22.82	23.60
10	16QAM	1	49	22.60	22.72	22.73	23.60
10	16QAM	25	0	21.60	21.70	21.73	22.60
10	16QAM	25	12	21.58	21.68	21.70	22.60
10	16QAM	25	25	21.56	21.66	21.70	22.60
10	16QAM	50	0	21.61	21.69	21.72	22.60
10	64QAM	1	0	21.20	21.28	21.28	22.60
10	64QAM	1	25	20.68	20.73	20.75	22.60
10	64QAM	1	49	21.13	21.23	21.26	22.60
10	64QAM	25	0	20.53	20.62	20.66	21.60
10	64QAM	25	12	20.51	20.59	20.65	21.60
10	64QAM	25	25	20.50	20.60	20.63	21.60
10	64QAM	50	0	20.53	20.63	20.63	21.60
10	256QAM	1	0	18.43	18.51	18.54	19.60
10	256QAM	1	25	18.34	18.45	18.48	19.60
10	256QAM	1	49	18.37	18.48	18.51	19.60
10	256QAM	25	0	18.62	18.71	18.75	19.60
10	256QAM	25	12	18.57	18.67	18.71	19.60
10	256QAM	25	25	18.52	18.68	18.72	19.60
10	256QAM	50	0	18.62	18.72	18.75	19.60
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.56	23.62	23.64	24.60
5	QPSK	1	12	23.37	23.39	23.66	24.60
5	QPSK	1	24	23.48	23.55	23.62	24.60
5	QPSK	12	0	22.69	22.75	22.76	23.60
5	QPSK	12	7	22.64	22.75	22.73	23.60

5	QPSK	12	13	22.66	22.74	22.74	23.60
5	QPSK	25	0	22.67	22.77	22.78	23.60
5	16QAM	1	0	22.65	22.72	22.74	23.60
5	16QAM	1	12	22.83	22.89	22.95	23.60
5	16QAM	1	24	22.66	22.74	22.76	23.60
5	16QAM	12	0	21.60	21.68	21.69	22.60
5	16QAM	12	7	21.58	21.68	21.66	22.60
5	16QAM	12	13	21.60	21.66	21.68	22.60
5	16QAM	25	0	21.63	21.71	21.73	22.60
5	64QAM	1	0	21.20	21.26	21.29	22.60
5	64QAM	1	12	21.22	21.23	21.27	22.60
5	64QAM	1	24	21.19	21.26	21.28	22.60
5	64QAM	12	0	20.59	20.65	20.66	21.60
5	64QAM	12	7	20.55	20.63	20.62	21.60
5	64QAM	12	13	20.57	20.64	20.64	21.60
5	64QAM	25	0	20.57	20.61	20.62	21.60
5	256QAM	1	0	18.41	18.53	18.55	19.60
5	256QAM	1	12	18.10	18.14	18.25	19.60
5	256QAM	1	24	18.40	18.46	18.48	19.60
5	256QAM	12	0	18.70	18.76	18.79	19.60
5	256QAM	12	7	18.64	18.78	18.82	19.60
5	256QAM	12	13	18.70	18.75	18.78	19.60
5	256QAM	25	0	18.64	18.71	18.71	19.60

【LTE Band 38_Ant 0_Index 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.64	23.72	23.69	24.60
20	QPSK	1	49	23.29	23.28	23.25	24.60
20	QPSK	1	99	23.36	23.39	23.34	24.60
20	QPSK	50	0	22.65	22.74	22.72	23.60
20	QPSK	50	24	22.56	22.59	22.62	23.60
20	QPSK	50	50	22.47	22.61	22.53	23.60
20	QPSK	100	0	22.62	22.55	22.47	23.60
20	16QAM	1	0	22.61	22.68	22.63	23.60
20	16QAM	1	49	22.73	22.76	22.78	23.60
20	16QAM	1	99	22.51	22.58	22.51	23.60
20	16QAM	50	0	21.64	21.57	21.57	22.60
20	16QAM	50	24	21.51	21.53	21.53	22.60
20	16QAM	50	50	21.54	21.46	21.54	22.60
20	16QAM	100	0	21.50	21.61	21.61	22.60
20	64QAM	1	0	21.24	21.27	21.30	22.60
20	64QAM	1	49	21.27	21.35	21.35	22.60
20	64QAM	1	99	21.06	21.06	21.20	22.60
20	64QAM	50	0	20.54	20.52	20.52	21.60
20	64QAM	50	24	20.45	20.52	20.49	21.60
20	64QAM	50	50	20.45	20.53	20.50	21.60
20	64QAM	100	0	20.51	20.46	20.48	21.60
20	256QAM	1	0	18.56	18.57	18.57	19.60
20	256QAM	1	49	18.57	18.60	18.63	19.60
20	256QAM	1	99	18.49	18.53	18.56	19.60
20	256QAM	50	0	18.79	18.63	18.58	19.60
20	256QAM	50	24	18.74	18.62	18.54	19.60
20	256QAM	50	50	18.73	18.68	18.61	19.60
20	256QAM	100	0	18.71	18.69	18.69	19.60
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.63	23.63	23.65	24.60
15	QPSK	1	37	23.68	23.64	23.64	24.60
15	QPSK	1	74	23.57	23.67	23.70	24.60
15	QPSK	36	0	22.69	22.79	22.83	23.60
15	QPSK	36	20	22.64	22.73	22.79	23.60
15	QPSK	36	39	22.63	22.73	22.77	23.60
15	QPSK	75	0	22.70	22.78	22.83	23.60
15	16QAM	1	0	22.76	22.85	22.91	23.60
15	16QAM	1	37	22.91	23.02	23.04	23.60
15	16QAM	1	74	22.70	22.80	22.85	23.60
15	16QAM	36	0	21.58	21.68	21.74	22.60
15	16QAM	36	20	21.55	21.64	21.70	22.60
15	16QAM	36	39	21.54	21.64	21.69	22.60
15	16QAM	75	0	21.68	21.77	21.81	22.60
15	64QAM	1	0	21.24	21.32	21.39	22.60
15	64QAM	1	37	21.14	21.22	21.33	22.60
15	64QAM	1	74	21.15	21.20	21.30	22.60

15	64QAM	36	0	20.55	20.63	20.69	21.60
15	64QAM	36	20	20.51	20.60	20.66	21.60
15	64QAM	36	39	20.51	20.58	20.65	21.60
15	64QAM	75	0	20.52	20.59	20.68	21.60
15	256QAM	1	0	18.52	18.61	18.67	19.60
15	256QAM	1	37	18.19	18.32	18.42	19.60
15	256QAM	1	74	18.39	18.52	18.58	19.60
15	256QAM	36	0	18.68	18.77	18.83	19.60
15	256QAM	36	20	18.65	18.74	18.80	19.60
15	256QAM	36	39	18.63	18.73	18.79	19.60
15	256QAM	75	0	18.59	18.73	18.81	19.60
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	23.48	23.59	23.61	24.60
10	QPSK	1	25	23.42	23.57	23.57	24.60
10	QPSK	1	49	23.46	23.58	23.60	24.60
10	QPSK	25	0	22.63	22.73	22.76	23.60
10	QPSK	25	12	22.61	22.71	22.74	23.60
10	QPSK	25	25	22.61	22.70	22.74	23.60
10	QPSK	50	0	22.61	22.69	22.72	23.60
10	16QAM	1	0	22.68	22.79	22.82	23.60
10	16QAM	1	25	22.71	22.82	22.82	23.60
10	16QAM	1	49	22.60	22.72	22.73	23.60
10	16QAM	25	0	21.60	21.70	21.73	22.60
10	16QAM	25	12	21.58	21.68	21.70	22.60
10	16QAM	25	25	21.56	21.66	21.70	22.60
10	16QAM	50	0	21.61	21.69	21.72	22.60
10	64QAM	1	0	21.20	21.28	21.28	22.60
10	64QAM	1	25	20.68	20.73	20.75	22.60
10	64QAM	1	49	21.13	21.23	21.26	22.60
10	64QAM	25	0	20.53	20.62	20.66	21.60
10	64QAM	25	12	20.51	20.59	20.65	21.60
10	64QAM	25	25	20.50	20.60	20.63	21.60
10	64QAM	50	0	20.53	20.63	20.63	21.60
10	256QAM	1	0	18.43	18.51	18.54	19.60
10	256QAM	1	25	18.34	18.45	18.48	19.60
10	256QAM	1	49	18.37	18.48	18.51	19.60
10	256QAM	25	0	18.62	18.71	18.75	19.60
10	256QAM	25	12	18.57	18.67	18.71	19.60
10	256QAM	25	25	18.52	18.68	18.72	19.60
10	256QAM	50	0	18.62	18.72	18.75	19.60
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	23.56	23.62	23.64	24.60
5	QPSK	1	12	23.37	23.39	23.66	24.60
5	QPSK	1	24	23.48	23.55	23.62	24.60
5	QPSK	12	0	22.69	22.75	22.76	23.60
5	QPSK	12	7	22.64	22.75	22.73	23.60
5	QPSK	12	13	22.66	22.74	22.74	23.60
5	QPSK	25	0	22.67	22.77	22.78	23.60
5	16QAM	1	0	22.65	22.72	22.74	23.60
5	16QAM	1	12	22.83	22.89	22.95	23.60
5	16QAM	1	24	22.66	22.74	22.76	23.60
5	16QAM	12	0	21.60	21.68	21.69	22.60
5	16QAM	12	7	21.58	21.68	21.66	22.60
5	16QAM	12	13	21.60	21.66	21.68	22.60
5	16QAM	25	0	21.63	21.71	21.73	22.60
5	64QAM	1	0	21.20	21.26	21.29	22.60
5	64QAM	1	12	21.22	21.23	21.27	22.60
5	64QAM	1	24	21.19	21.26	21.28	22.60
5	64QAM	12	0	20.59	20.65	20.66	21.60
5	64QAM	12	7	20.55	20.63	20.62	21.60
5	64QAM	12	13	20.57	20.64	20.64	21.60
5	64QAM	25	0	20.57	20.61	20.62	21.60
5	256QAM	1	0	18.41	18.53	18.55	19.60
5	256QAM	1	12	18.10	18.14	18.25	19.60
5	256QAM	1	24	18.40	18.46	18.48	19.60
5	256QAM	12	0	18.70	18.76	18.79	19.60
5	256QAM	12	7	18.64	18.78	18.82	19.60
5	256QAM	12	13	18.70	18.75	18.78	19.60
5	256QAM	25	0	18.64	18.71	18.71	19.60

【LTE Band 38_Ant 0_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.08	19.05	19.13	19.30
20	QPSK	1	49	18.95	18.92	19.01	19.30
20	QPSK	1	99	18.92	18.91	19.01	19.30
20	QPSK	50	0	19.03	19.00	19.09	19.30
20	QPSK	50	24	18.98	18.95	19.06	19.30
20	QPSK	50	50	18.95	18.92	19.01	19.30
20	QPSK	100	0	18.98	18.94	19.04	19.30
20	16QAM	1	0	18.97	18.95	19.08	19.30
20	16QAM	1	49	18.95	18.97	19.04	19.30
20	16QAM	1	99	18.95	18.90	18.99	19.30
20	16QAM	50	0	19.06	19.03	19.12	19.30
20	16QAM	50	24	19.02	19.00	19.09	19.30
20	16QAM	50	50	19.01	18.97	19.07	19.30
20	16QAM	100	0	19.02	18.98	19.09	19.30
20	64QAM	1	0	18.74	18.69	18.79	19.30
20	64QAM	1	49	18.65	18.62	18.72	19.30
20	64QAM	1	99	18.61	18.59	18.70	19.30
20	64QAM	50	0	19.05	19.01	19.11	19.30
20	64QAM	50	24	19.02	18.97	19.08	19.30
20	64QAM	50	50	18.99	18.96	19.06	19.30
20	64QAM	100	0	19.02	18.98	19.09	19.30
20	256QAM	1	0	18.31	18.27	18.37	19.30
20	256QAM	1	49	18.21	18.19	18.29	19.30
20	256QAM	1	99	18.19	18.17	18.28	19.30
20	256QAM	50	0	18.49	18.45	18.55	19.30
20	256QAM	50	24	18.47	18.42	18.54	19.30
20	256QAM	50	50	18.43	18.40	18.51	19.30
20	256QAM	100	0	18.50	18.50	18.51	19.30
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.96	18.93	19.01	19.30
15	QPSK	1	37	18.85	18.81	18.92	19.30
15	QPSK	1	74	18.85	18.76	18.98	19.30
15	QPSK	36	0	18.99	18.98	19.00	19.30
15	QPSK	36	20	18.85	18.92	19.04	19.30
15	QPSK	36	39	18.93	18.86	18.98	19.30
15	QPSK	75	0	18.94	18.92	19.00	19.30
15	16QAM	1	0	18.90	18.83	19.00	19.30
15	16QAM	1	37	18.93	18.93	18.90	19.30
15	16QAM	1	74	18.93	18.80	18.90	19.30
15	16QAM	36	0	18.93	19.00	19.03	19.30
15	16QAM	36	20	18.91	18.94	18.97	19.30
15	16QAM	36	39	18.94	18.88	19.04	19.30
15	16QAM	75	0	18.87	18.97	18.99	19.30
15	64QAM	1	0	18.63	18.60	18.71	19.30
15	64QAM	1	37	18.64	18.59	18.70	19.30
15	64QAM	1	74	18.53	18.55	18.60	19.30
15	64QAM	36	0	18.96	18.98	18.97	19.30
15	64QAM	36	20	18.95	18.85	19.05	19.30
15	64QAM	36	39	18.93	18.87	18.97	19.30
15	64QAM	75	0	18.96	18.91	18.99	19.30
15	256QAM	1	0	18.28	18.19	18.29	19.30
15	256QAM	1	37	18.07	18.10	18.16	19.30
15	256QAM	1	74	18.09	18.08	18.22	19.30
15	256QAM	36	0	18.35	18.31	18.45	19.30
15	256QAM	36	20	18.33	18.35	18.42	19.30
15	256QAM	36	39	18.42	18.32	18.41	19.30
15	256QAM	75	0	18.37	18.24	18.47	19.30
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.94	19.02	19.01	19.30
10	QPSK	1	25	18.80	18.87	18.96	19.30
10	QPSK	1	49	18.81	18.83	18.96	19.30
10	QPSK	25	0	18.91	18.92	18.98	19.30
10	QPSK	25	12	18.90	18.80	18.95	19.30
10	QPSK	25	25	18.85	18.79	18.88	19.30
10	QPSK	50	0	18.86	18.85	18.95	19.30
10	16QAM	1	0	18.94	18.93	18.97	19.30
10	16QAM	1	25	18.80	18.83	18.98	19.30
10	16QAM	1	49	18.88	18.78	18.96	19.30
10	16QAM	25	0	19.02	18.92	19.11	19.30

10	16QAM	25	12	18.93	18.98	19.04	19.30
10	16QAM	25	25	18.89	18.95	19.01	19.30
10	16QAM	50	0	18.91	18.91	19.02	19.30
10	64QAM	1	0	18.69	18.67	18.75	19.30
10	64QAM	1	25	18.57	18.61	18.66	19.30
10	64QAM	1	49	18.49	18.52	18.65	19.30
10	64QAM	25	0	18.99	18.90	19.09	19.30
10	64QAM	25	12	19.00	18.89	19.05	19.30
10	64QAM	25	25	18.97	18.82	18.98	19.30
10	64QAM	50	0	18.96	18.94	18.97	19.30
10	256QAM	1	0	18.24	18.19	18.31	19.30
10	256QAM	1	25	18.10	18.06	18.23	19.30
10	256QAM	1	49	18.18	18.04	18.24	19.30
10	256QAM	25	0	18.36	18.38	18.49	19.30
10	256QAM	25	12	18.32	18.29	18.53	19.30
10	256QAM	25	25	18.36	18.28	18.48	19.30
10	256QAM	50	0	18.38	18.36	18.48	19.30
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.02	19.03	19.08	19.30
5	QPSK	1	12	18.89	18.79	18.91	19.30
5	QPSK	1	24	18.89	18.89	18.86	19.30
5	QPSK	12	0	18.90	18.86	18.97	19.30
5	QPSK	12	7	18.92	18.87	18.98	19.30
5	QPSK	12	13	18.86	18.87	18.90	19.30
5	QPSK	25	0	18.89	18.90	18.94	19.30
5	16QAM	1	0	18.89	18.87	19.00	19.30
5	16QAM	1	12	18.90	18.83	19.03	19.30
5	16QAM	1	24	18.85	18.80	18.86	19.30
5	16QAM	12	0	18.99	18.93	19.08	19.30
5	16QAM	12	7	18.97	18.97	19.02	19.30
5	16QAM	12	13	18.91	18.91	18.93	19.30
5	16QAM	25	0	19.00	18.87	19.00	19.30
5	64QAM	1	0	18.71	18.58	18.74	19.30
5	64QAM	1	12	18.61	18.59	18.58	19.30
5	64QAM	1	24	18.57	18.53	18.62	19.30
5	64QAM	12	0	19.00	18.88	19.07	19.30
5	64QAM	12	7	18.88	18.89	18.97	19.30
5	64QAM	12	13	18.85	18.86	18.96	19.30
5	64QAM	25	0	18.98	18.90	19.07	19.30
5	256QAM	1	0	18.18	18.20	18.27	19.30
5	256QAM	1	12	18.15	18.09	18.17	19.30
5	256QAM	1	24	18.15	18.04	18.15	19.30
5	256QAM	12	0	18.45	18.39	18.51	19.30
5	256QAM	12	7	18.40	18.28	18.52	19.30
5	256QAM	12	13	18.29	18.37	18.39	19.30
5	256QAM	25	0	18.35	18.30	18.44	19.30

【LTE Band 38_Ant 0_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.08	19.05	19.13	20.50
20	QPSK	1	49	18.95	18.92	19.01	20.50
20	QPSK	1	99	18.92	18.91	19.01	20.50
20	QPSK	50	0	19.03	19.00	19.09	20.50
20	QPSK	50	24	18.98	18.95	19.06	20.50
20	QPSK	50	50	18.95	18.92	19.01	20.50
20	QPSK	100	0	18.98	18.94	19.04	20.50
20	16QAM	1	0	18.97	18.95	19.08	20.50
20	16QAM	1	49	18.95	18.97	19.04	20.50
20	16QAM	1	99	18.95	18.90	18.99	20.50
20	16QAM	50	0	19.06	19.03	19.12	20.50
20	16QAM	50	24	19.02	19.00	19.09	20.50
20	16QAM	50	50	19.01	18.97	19.07	20.50
20	16QAM	100	0	19.02	18.98	19.09	20.50
20	64QAM	1	0	18.74	18.69	18.79	20.50
20	64QAM	1	49	18.65	18.62	18.72	20.50
20	64QAM	1	99	18.61	18.59	18.70	20.50
20	64QAM	50	0	19.05	19.01	19.11	20.50
20	64QAM	50	24	19.02	18.97	19.08	20.50
20	64QAM	50	50	18.99	18.96	19.06	20.50
20	64QAM	100	0	19.02	18.98	19.09	20.50
20	256QAM	1	0	18.31	18.27	18.37	20.50
20	256QAM	1	49	18.21	18.19	18.29	20.50



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20	256QAM	1	99	18.19	18.17	18.28	20.50
20	256QAM	50	0	18.49	18.45	18.55	20.50
20	256QAM	50	24	18.47	18.42	18.54	20.50
20	256QAM	50	50	18.43	18.40	18.51	20.50
20	256QAM	100	0	18.50	18.50	18.51	20.50
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.96	18.93	19.01	20.50
15	QPSK	1	37	18.85	18.81	18.92	20.50
15	QPSK	1	74	18.85	18.76	18.98	20.50
15	QPSK	36	0	18.99	18.98	19.00	20.50
15	QPSK	36	20	18.85	18.92	19.04	20.50
15	QPSK	36	39	18.93	18.86	18.98	20.50
15	QPSK	75	0	18.94	18.92	19.00	20.50
15	16QAM	1	0	18.90	18.83	19.00	20.50
15	16QAM	1	37	18.93	18.93	18.90	20.50
15	16QAM	1	74	18.93	18.80	18.90	20.50
15	16QAM	36	0	18.93	19.00	19.03	20.50
15	16QAM	36	20	18.91	18.94	18.97	20.50
15	16QAM	36	39	18.94	18.88	19.04	20.50
15	16QAM	75	0	18.87	18.97	18.99	20.50
15	64QAM	1	0	18.63	18.60	18.71	20.50
15	64QAM	1	37	18.64	18.59	18.70	20.50
15	64QAM	1	74	18.53	18.55	18.60	20.50
15	64QAM	36	0	18.96	18.98	18.97	20.50
15	64QAM	36	20	18.95	18.85	19.05	20.50
15	64QAM	36	39	18.93	18.87	18.97	20.50
15	64QAM	75	0	18.96	18.91	18.99	20.50
15	256QAM	1	0	18.28	18.19	18.29	20.50
15	256QAM	1	37	18.07	18.10	18.16	20.50
15	256QAM	1	74	18.09	18.08	18.22	20.50
15	256QAM	36	0	18.35	18.31	18.45	20.50
15	256QAM	36	20	18.33	18.35	18.42	20.50
15	256QAM	36	39	18.42	18.32	18.41	20.50
15	256QAM	75	0	18.37	18.24	18.47	20.50
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	18.94	19.02	19.01	20.50
10	QPSK	1	25	18.80	18.87	18.96	20.50
10	QPSK	1	49	18.81	18.83	18.96	20.50
10	QPSK	25	0	18.91	18.92	18.98	20.50
10	QPSK	25	12	18.90	18.80	18.95	20.50
10	QPSK	25	25	18.85	18.79	18.88	20.50
10	QPSK	50	0	18.86	18.85	18.95	20.50
10	16QAM	1	0	18.94	18.93	18.97	20.50
10	16QAM	1	25	18.80	18.83	18.98	20.50
10	16QAM	1	49	18.88	18.78	18.96	20.50
10	16QAM	25	0	19.02	18.92	19.11	20.50
10	16QAM	25	12	18.93	18.98	19.04	20.50
10	16QAM	25	25	18.89	18.95	19.01	20.50
10	16QAM	50	0	18.91	18.91	19.02	20.50
10	64QAM	1	0	18.69	18.67	18.75	20.50
10	64QAM	1	25	18.57	18.61	18.66	20.50
10	64QAM	1	49	18.49	18.52	18.65	20.50
10	64QAM	25	0	18.99	18.90	19.09	20.50
10	64QAM	25	12	19.00	18.89	19.05	20.50
10	64QAM	25	25	18.97	18.82	18.98	20.50
10	64QAM	50	0	18.96	18.94	18.97	20.50
10	256QAM	1	0	18.24	18.19	18.31	20.50
10	256QAM	1	25	18.10	18.06	18.23	20.50
10	256QAM	1	49	18.18	18.04	18.24	20.50
10	256QAM	25	0	18.36	18.38	18.49	20.50
10	256QAM	25	12	18.32	18.29	18.53	20.50
10	256QAM	25	25	18.36	18.28	18.48	20.50
10	256QAM	50	0	18.38	18.36	18.48	20.50
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.02	19.03	19.08	20.50
5	QPSK	1	12	18.89	18.79	18.91	20.50
5	QPSK	1	24	18.89	18.89	18.86	20.50
5	QPSK	12	0	18.90	18.86	18.97	20.50
5	QPSK	12	7	18.92	18.87	18.98	20.50
5	QPSK	12	13	18.86	18.87	18.90	20.50
5	QPSK	25	0	18.89	18.90	18.94	20.50
5	16QAM	1	0	18.89	18.87	19.00	20.50
5	16QAM	1	12	18.90	18.83	19.03	20.50
5	16QAM	1	24	18.85	18.80	18.86	20.50
5	16QAM	12	0	18.99	18.93	19.08	20.50

5	16QAM	12	7	18.97	18.97	19.02	20.50
5	16QAM	12	13	18.91	18.91	18.93	20.50
5	16QAM	25	0	19.00	18.87	19.00	20.50
5	64QAM	1	0	18.71	18.58	18.74	20.50
5	64QAM	1	12	18.61	18.59	18.58	20.50
5	64QAM	1	24	18.57	18.53	18.62	20.50
5	64QAM	12	0	19.00	18.88	19.07	20.50
5	64QAM	12	7	18.88	18.89	18.97	20.50
5	64QAM	12	13	18.85	18.86	18.96	20.50
5	64QAM	25	0	18.98	18.90	19.07	20.50
5	256QAM	1	0	18.18	18.20	18.27	20.50
5	256QAM	1	12	18.15	18.09	18.17	20.50
5	256QAM	1	24	18.15	18.04	18.15	20.50
5	256QAM	12	0	18.45	18.39	18.51	20.50
5	256QAM	12	7	18.40	18.28	18.52	20.50
5	256QAM	12	13	18.29	18.37	18.39	20.50
5	256QAM	25	0	18.35	18.30	18.44	20.50

【LTE Band 38_HPUE_Ant 0_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.44	25.59	25.50	26.40
20	QPSK	1	49	25.34	25.41	25.43	26.40
20	QPSK	1	99	25.36	25.42	25.44	26.40
20	QPSK	50	0	24.48	24.54	24.49	25.40
20	QPSK	50	24	24.43	24.45	24.49	25.40
20	QPSK	50	50	24.38	24.43	24.46	25.40
20	QPSK	100	0	24.42	24.45	24.47	25.40
20	16QAM	1	0	24.74	24.81	24.84	25.40
20	16QAM	1	49	24.65	24.70	24.72	25.40
20	16QAM	1	99	24.67	24.72	24.74	25.40
20	16QAM	50	0	23.48	23.52	23.55	24.40
20	16QAM	50	24	23.46	23.48	23.51	24.40
20	16QAM	50	50	23.42	23.47	23.49	24.40
20	16QAM	100	0	23.43	23.47	23.50	24.40
20	64QAM	1	0	23.45	23.51	23.54	24.40
20	64QAM	1	49	23.35	23.40	23.42	24.40
20	64QAM	1	99	23.34	23.43	23.43	24.40
20	64QAM	50	0	22.42	22.47	22.50	23.40
20	64QAM	50	24	22.39	22.43	22.46	23.40
20	64QAM	50	50	22.37	22.41	22.45	23.40
20	64QAM	100	0	22.40	22.44	22.46	23.40
20	256QAM	1	0	20.33	20.37	20.41	21.40
20	256QAM	1	49	20.22	20.27	20.31	21.40
20	256QAM	1	99	20.19	20.26	20.30	21.40
20	256QAM	50	0	20.47	20.51	20.54	21.40
20	256QAM	50	24	20.43	20.47	20.50	21.40
20	256QAM	50	50	20.40	20.46	20.49	21.40
20	256QAM	100	0	20.38	20.43	20.46	21.40
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.54	25.58	25.55	26.40
15	QPSK	1	37	25.25	25.31	25.37	26.40
15	QPSK	1	74	25.51	25.51	25.55	26.40
15	QPSK	36	0	24.52	24.62	24.69	25.40
15	QPSK	36	20	24.47	24.58	24.64	25.40
15	QPSK	36	39	24.47	24.57	24.63	25.40
15	QPSK	75	0	24.49	24.57	24.62	25.40
15	16QAM	1	0	24.78	24.89	24.97	25.40
15	16QAM	1	37	24.82	24.91	24.95	25.40
15	16QAM	1	74	24.70	24.83	24.87	25.40
15	16QAM	36	0	23.45	23.56	23.62	24.40
15	16QAM	36	20	23.43	23.53	23.60	24.40
15	16QAM	36	39	23.41	23.52	23.58	24.40
15	16QAM	75	0	23.50	23.59	23.66	24.40
15	64QAM	1	0	23.48	23.59	23.64	24.40
15	64QAM	1	37	23.42	23.53	23.55	24.40
15	64QAM	1	74	23.40	23.51	23.56	24.40
15	64QAM	36	0	22.41	22.51	22.59	23.40
15	64QAM	36	20	22.38	22.50	22.55	23.40
15	64QAM	36	39	22.38	22.50	22.54	23.40
15	64QAM	75	0	22.46	22.56	22.62	23.40
15	256QAM	1	0	20.33	20.43	20.51	21.40
15	256QAM	1	37	20.27	20.33	20.36	21.40

15	256QAM	1	74	20.28	20.38	20.44	21.40
15	256QAM	36	0	20.39	20.49	20.56	21.40
15	256QAM	36	20	20.38	20.47	20.54	21.40
15	256QAM	36	39	20.35	20.45	20.53	21.40
15	256QAM	75	0	20.40	20.51	20.56	21.40
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.33	25.45	25.51	26.40
10	QPSK	1	25	25.33	25.47	25.46	26.40
10	QPSK	1	49	25.31	25.42	25.40	26.40
10	QPSK	25	0	24.39	24.47	24.48	25.40
10	QPSK	25	12	24.37	24.46	24.47	25.40
10	QPSK	25	25	24.37	24.45	24.46	25.40
10	QPSK	50	0	24.37	24.46	24.47	25.40
10	16QAM	1	0	24.64	24.76	24.77	25.40
10	16QAM	1	25	24.80	24.88	24.88	25.40
10	16QAM	1	49	24.60	24.73	24.72	25.40
10	16QAM	25	0	23.40	23.49	23.50	24.40
10	16QAM	25	12	23.37	23.46	23.49	24.40
10	16QAM	25	25	23.36	23.47	23.48	24.40
10	16QAM	50	0	23.37	23.48	23.49	24.40
10	64QAM	1	0	23.39	23.49	23.49	24.40
10	64QAM	1	25	23.43	23.52	23.51	24.40
10	64QAM	1	49	23.31	23.43	23.45	24.40
10	64QAM	25	0	22.43	22.51	22.53	23.40
10	64QAM	25	12	22.39	22.50	22.52	23.40
10	64QAM	25	25	22.39	22.49	22.50	23.40
10	64QAM	50	0	22.33	22.44	22.44	23.40
10	256QAM	1	0	20.23	20.32	20.35	21.40
10	256QAM	1	25	20.05	20.13	20.14	21.40
10	256QAM	1	49	20.15	20.26	20.28	21.40
10	256QAM	25	0	20.33	20.43	20.44	21.40
10	256QAM	25	12	20.30	20.39	20.42	21.40
10	256QAM	25	25	20.30	20.40	20.40	21.40
10	256QAM	50	0	20.37	20.48	20.48	21.40
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.47	25.58	25.57	26.40
5	QPSK	1	12	25.45	25.55	25.56	26.40
5	QPSK	1	24	25.44	25.54	25.53	26.40
5	QPSK	12	0	24.48	24.56	24.58	25.40
5	QPSK	12	7	24.46	24.56	24.56	25.40
5	QPSK	12	13	24.47	24.54	24.56	25.40
5	QPSK	25	0	24.48	24.58	24.60	25.40
5	16QAM	1	0	24.76	24.86	24.86	25.40
5	16QAM	1	12	24.82	24.91	24.96	25.40
5	16QAM	1	24	24.74	24.84	24.84	25.40
5	16QAM	12	0	23.51	23.60	23.62	24.40
5	16QAM	12	7	23.49	23.59	23.60	24.40
5	16QAM	12	13	23.50	23.58	23.60	24.40
5	16QAM	25	0	23.49	23.58	23.61	24.40
5	64QAM	1	0	23.41	23.50	23.53	24.40
5	64QAM	1	12	23.32	23.39	23.45	24.40
5	64QAM	1	24	23.41	23.50	23.51	24.40
5	64QAM	12	0	22.52	22.60	22.61	23.40
5	64QAM	12	7	22.50	22.62	22.62	23.40
5	64QAM	12	13	22.50	22.59	22.60	23.40
5	64QAM	25	0	22.51	22.61	22.64	23.40
5	256QAM	1	0	20.31	20.39	20.42	21.40
5	256QAM	1	12	20.32	20.37	20.43	21.40
5	256QAM	1	24	20.31	20.39	20.43	21.40
5	256QAM	12	0	20.50	20.57	20.59	21.40
5	256QAM	12	7	20.47	20.56	20.58	21.40
5	256QAM	12	13	20.47	20.55	20.59	21.40
5	256QAM	25	0	20.43	20.52	20.57	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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.44	25.59	25.50	26.40
20	QPSK	1	49	25.34	25.41	25.43	26.40
20	QPSK	1	99	25.36	25.42	25.44	26.40
20	QPSK	50	0	24.48	24.54	24.49	25.40
20	QPSK	50	24	24.43	24.45	24.49	25.40



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20	QPSK	50	50	24.38	24.43	24.46	25.40
20	QPSK	100	0	24.42	24.45	24.47	25.40
20	16QAM	1	0	24.74	24.81	24.84	25.40
20	16QAM	1	49	24.65	24.70	24.72	25.40
20	16QAM	1	99	24.67	24.72	24.74	25.40
20	16QAM	50	0	23.48	23.52	23.55	24.40
20	16QAM	50	24	23.46	23.48	23.51	24.40
20	16QAM	50	50	23.42	23.47	23.49	24.40
20	16QAM	100	0	23.43	23.47	23.50	24.40
20	64QAM	1	0	23.45	23.51	23.54	24.40
20	64QAM	1	49	23.35	23.40	23.42	24.40
20	64QAM	1	99	23.34	23.43	23.43	24.40
20	64QAM	50	0	22.42	22.47	22.50	23.40
20	64QAM	50	24	22.39	22.43	22.46	23.40
20	64QAM	50	50	22.37	22.41	22.45	23.40
20	64QAM	100	0	22.40	22.44	22.46	23.40
20	256QAM	1	0	20.33	20.37	20.41	21.40
20	256QAM	1	49	20.22	20.27	20.31	21.40
20	256QAM	1	99	20.19	20.26	20.30	21.40
20	256QAM	50	0	20.47	20.51	20.54	21.40
20	256QAM	50	24	20.43	20.47	20.50	21.40
20	256QAM	50	50	20.40	20.46	20.49	21.40
20	256QAM	100	0	20.38	20.43	20.46	21.40
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	25.54	25.58	25.55	26.40
15	QPSK	1	37	25.25	25.31	25.37	26.40
15	QPSK	1	74	25.51	25.51	25.55	26.40
15	QPSK	36	0	24.52	24.62	24.69	25.40
15	QPSK	36	20	24.47	24.58	24.64	25.40
15	QPSK	36	39	24.47	24.57	24.63	25.40
15	QPSK	75	0	24.49	24.57	24.62	25.40
15	16QAM	1	0	24.78	24.89	24.97	25.40
15	16QAM	1	37	24.82	24.91	24.95	25.40
15	16QAM	1	74	24.70	24.83	24.87	25.40
15	16QAM	36	0	23.45	23.56	23.62	24.40
15	16QAM	36	20	23.43	23.53	23.60	24.40
15	16QAM	36	39	23.41	23.52	23.58	24.40
15	16QAM	75	0	23.50	23.59	23.66	24.40
15	64QAM	1	0	23.48	23.59	23.64	24.40
15	64QAM	1	37	23.42	23.53	23.55	24.40
15	64QAM	1	74	23.40	23.51	23.56	24.40
15	64QAM	36	0	22.41	22.51	22.59	23.40
15	64QAM	36	20	22.38	22.50	22.55	23.40
15	64QAM	36	39	22.38	22.50	22.54	23.40
15	64QAM	75	0	22.46	22.56	22.62	23.40
15	256QAM	1	0	20.33	20.43	20.51	21.40
15	256QAM	1	37	20.27	20.33	20.36	21.40
15	256QAM	1	74	20.28	20.38	20.44	21.40
15	256QAM	36	0	20.39	20.49	20.56	21.40
15	256QAM	36	20	20.38	20.47	20.54	21.40
15	256QAM	36	39	20.35	20.45	20.53	21.40
15	256QAM	75	0	20.40	20.51	20.56	21.40
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	25.33	25.45	25.51	26.40
10	QPSK	1	25	25.33	25.47	25.46	26.40
10	QPSK	1	49	25.31	25.42	25.40	26.40
10	QPSK	25	0	24.39	24.47	24.48	25.40
10	QPSK	25	12	24.37	24.46	24.47	25.40
10	QPSK	25	25	24.37	24.45	24.46	25.40
10	QPSK	50	0	24.37	24.46	24.47	25.40
10	16QAM	1	0	24.64	24.76	24.77	25.40
10	16QAM	1	25	24.80	24.88	24.88	25.40
10	16QAM	1	49	24.60	24.73	24.72	25.40
10	16QAM	25	0	23.40	23.49	23.50	24.40
10	16QAM	25	12	23.37	23.46	23.49	24.40
10	16QAM	25	25	23.36	23.47	23.48	24.40
10	16QAM	50	0	23.37	23.48	23.49	24.40
10	64QAM	1	0	23.39	23.49	23.49	24.40
10	64QAM	1	25	23.43	23.52	23.51	24.40
10	64QAM	1	49	23.31	23.43	23.45	24.40
10	64QAM	25	0	22.43	22.51	22.53	23.40
10	64QAM	25	12	22.39	22.50	22.52	23.40
10	64QAM	25	25	22.39	22.49	22.50	23.40
10	64QAM	50	0	22.33	22.44	22.44	23.40
10	256QAM	1	0	20.23	20.32	20.35	21.40
10	256QAM	1	25	20.05	20.13	20.14	21.40

10	256QAM	1	49	20.15	20.26	20.28	21.40
10	256QAM	25	0	20.33	20.43	20.44	21.40
10	256QAM	25	12	20.30	20.39	20.42	21.40
10	256QAM	25	25	20.30	20.40	20.40	21.40
10	256QAM	50	0	20.37	20.48	20.48	21.40
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.47	25.58	25.57	26.40
5	QPSK	1	12	25.45	25.55	25.56	26.40
5	QPSK	1	24	25.44	25.54	25.53	26.40
5	QPSK	12	0	24.48	24.56	24.58	25.40
5	QPSK	12	7	24.46	24.56	24.56	25.40
5	QPSK	12	13	24.47	24.54	24.56	25.40
5	QPSK	25	0	24.48	24.58	24.60	25.40
5	16QAM	1	0	24.76	24.86	24.86	25.40
5	16QAM	1	12	24.82	24.91	24.96	25.40
5	16QAM	1	24	24.74	24.84	24.84	25.40
5	16QAM	12	0	23.51	23.60	23.62	24.40
5	16QAM	12	7	23.49	23.59	23.60	24.40
5	16QAM	12	13	23.50	23.58	23.60	24.40
5	16QAM	25	0	23.49	23.58	23.61	24.40
5	64QAM	1	0	23.41	23.50	23.53	24.40
5	64QAM	1	12	23.32	23.39	23.45	24.40
5	64QAM	1	24	23.41	23.50	23.51	24.40
5	64QAM	12	0	22.52	22.60	22.61	23.40
5	64QAM	12	7	22.50	22.62	22.62	23.40
5	64QAM	12	13	22.50	22.59	22.60	23.40
5	64QAM	25	0	22.51	22.61	22.64	23.40
5	256QAM	1	0	20.31	20.39	20.42	21.40
5	256QAM	1	12	20.32	20.37	20.43	21.40
5	256QAM	1	24	20.31	20.39	20.43	21.40
5	256QAM	12	0	20.50	20.57	20.59	21.40
5	256QAM	12	7	20.47	20.56	20.58	21.40
5	256QAM	12	13	20.47	20.55	20.59	21.40
5	256QAM	25	0	20.43	20.52	20.57	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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.44	25.59	25.50	26.40
20	QPSK	1	49	25.34	25.41	25.43	26.40
20	QPSK	1	99	25.36	25.42	25.44	26.40
20	QPSK	50	0	24.48	24.54	24.49	25.40
20	QPSK	50	24	24.43	24.45	24.49	25.40
20	QPSK	50	50	24.38	24.43	24.46	25.40
20	QPSK	100	0	24.42	24.45	24.47	25.40
20	16QAM	1	0	24.74	24.81	24.84	25.40
20	16QAM	1	49	24.65	24.70	24.72	25.40
20	16QAM	1	99	24.67	24.72	24.74	25.40
20	16QAM	50	0	23.48	23.52	23.55	24.40
20	16QAM	50	24	23.46	23.48	23.51	24.40
20	16QAM	50	50	23.42	23.47	23.49	24.40
20	16QAM	100	0	23.43	23.47	23.50	24.40
20	64QAM	1	0	23.45	23.51	23.54	24.40
20	64QAM	1	49	23.35	23.40	23.42	24.40
20	64QAM	1	99	23.34	23.43	23.43	24.40
20	64QAM	50	0	22.42	22.47	22.50	23.40
20	64QAM	50	24	22.39	22.43	22.46	23.40
20	64QAM	50	50	22.37	22.41	22.45	23.40
20	64QAM	100	0	22.40	22.44	22.46	23.40
20	256QAM	1	0	20.33	20.37	20.41	21.40
20	256QAM	1	49	20.22	20.27	20.31	21.40
20	256QAM	1	99	20.19	20.26	20.30	21.40
20	256QAM	50	0	20.47	20.51	20.54	21.40
20	256QAM	50	24	20.43	20.47	20.50	21.40
20	256QAM	50	50	20.40	20.46	20.49	21.40
20	256QAM	100	0	20.38	20.43	20.46	21.40
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.54	25.58	25.55	26.40
15	QPSK	1	37	25.25	25.31	25.37	26.40
15	QPSK	1	74	25.51	25.51	25.55	26.40
15	QPSK	36	0	24.52	24.62	24.69	25.40
15	QPSK	36	20	24.47	24.58	24.64	25.40



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15	QPSK	36	39	24.47	24.57	24.63	25.40
15	QPSK	75	0	24.49	24.57	24.62	25.40
15	16QAM	1	0	24.78	24.89	24.97	25.40
15	16QAM	1	37	24.82	24.91	24.95	25.40
15	16QAM	1	74	24.70	24.83	24.87	25.40
15	16QAM	36	0	23.45	23.56	23.62	24.40
15	16QAM	36	20	23.43	23.53	23.60	24.40
15	16QAM	36	39	23.41	23.52	23.58	24.40
15	16QAM	75	0	23.50	23.59	23.66	24.40
15	64QAM	1	0	23.48	23.59	23.64	24.40
15	64QAM	1	37	23.42	23.53	23.55	24.40
15	64QAM	1	74	23.40	23.51	23.56	24.40
15	64QAM	36	0	22.41	22.51	22.59	23.40
15	64QAM	36	20	22.38	22.50	22.55	23.40
15	64QAM	36	39	22.38	22.50	22.54	23.40
15	64QAM	75	0	22.46	22.56	22.62	23.40
15	256QAM	1	0	20.33	20.43	20.51	21.40
15	256QAM	1	37	20.27	20.33	20.36	21.40
15	256QAM	1	74	20.28	20.38	20.44	21.40
15	256QAM	36	0	20.39	20.49	20.56	21.40
15	256QAM	36	20	20.38	20.47	20.54	21.40
15	256QAM	36	39	20.35	20.45	20.53	21.40
15	256QAM	75	0	20.40	20.51	20.56	21.40
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	25.33	25.45	25.51	26.40
10	QPSK	1	25	25.33	25.47	25.46	26.40
10	QPSK	1	49	25.31	25.42	25.40	26.40
10	QPSK	25	0	24.39	24.47	24.48	25.40
10	QPSK	25	12	24.37	24.46	24.47	25.40
10	QPSK	25	25	24.37	24.45	24.46	25.40
10	QPSK	50	0	24.37	24.46	24.47	25.40
10	16QAM	1	0	24.64	24.76	24.77	25.40
10	16QAM	1	25	24.80	24.88	24.88	25.40
10	16QAM	1	49	24.60	24.73	24.72	25.40
10	16QAM	25	0	23.40	23.49	23.50	24.40
10	16QAM	25	12	23.37	23.46	23.49	24.40
10	16QAM	25	25	23.36	23.47	23.48	24.40
10	16QAM	50	0	23.37	23.48	23.49	24.40
10	64QAM	1	0	23.39	23.49	23.49	24.40
10	64QAM	1	25	23.43	23.52	23.51	24.40
10	64QAM	1	49	23.31	23.43	23.45	24.40
10	64QAM	25	0	22.43	22.51	22.53	23.40
10	64QAM	25	12	22.39	22.50	22.52	23.40
10	64QAM	25	25	22.39	22.49	22.50	23.40
10	64QAM	50	0	22.33	22.44	22.44	23.40
10	256QAM	1	0	20.23	20.32	20.35	21.40
10	256QAM	1	25	20.05	20.13	20.14	21.40
10	256QAM	1	49	20.15	20.26	20.28	21.40
10	256QAM	25	0	20.33	20.43	20.44	21.40
10	256QAM	25	12	20.30	20.39	20.42	21.40
10	256QAM	25	25	20.30	20.40	20.40	21.40
10	256QAM	50	0	20.37	20.48	20.48	21.40
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	25.47	25.58	25.57	26.40
5	QPSK	1	12	25.45	25.55	25.56	26.40
5	QPSK	1	24	25.44	25.54	25.53	26.40
5	QPSK	12	0	24.48	24.56	24.58	25.40
5	QPSK	12	7	24.46	24.56	24.56	25.40
5	QPSK	12	13	24.47	24.54	24.56	25.40
5	QPSK	25	0	24.48	24.58	24.60	25.40
5	16QAM	1	0	24.76	24.86	24.86	25.40
5	16QAM	1	12	24.82	24.91	24.96	25.40
5	16QAM	1	24	24.74	24.84	24.84	25.40
5	16QAM	12	0	23.51	23.60	23.62	24.40
5	16QAM	12	7	23.49	23.59	23.60	24.40
5	16QAM	12	13	23.50	23.58	23.60	24.40
5	16QAM	25	0	23.49	23.58	23.61	24.40
5	64QAM	1	0	23.41	23.50	23.53	24.40
5	64QAM	1	12	23.32	23.39	23.45	24.40
5	64QAM	1	24	23.41	23.50	23.51	24.40
5	64QAM	12	0	22.52	22.60	22.61	23.40
5	64QAM	12	7	22.50	22.62	22.62	23.40
5	64QAM	12	13	22.50	22.59	22.60	23.40
5	64QAM	25	0	22.51	22.61	22.64	23.40
5	256QAM	1	0	20.31	20.39	20.42	21.40
5	256QAM	1	12	20.32	20.37	20.43	21.40

5	256QAM	1	24	20.31	20.39	20.43	21.40
5	256QAM	12	0	20.50	20.57	20.59	21.40
5	256QAM	12	7	20.47	20.56	20.58	21.40
5	256QAM	12	13	20.47	20.55	20.59	21.40
5	256QAM	25	0	20.43	20.52	20.57	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				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.68	20.65	20.79	22.10
20	QPSK	1	49	20.41	20.39	20.47	22.10
20	QPSK	1	99	20.43	20.43	20.51	22.10
20	QPSK	50	0	20.63	20.60	20.70	22.10
20	QPSK	50	24	20.58	20.56	20.67	22.10
20	QPSK	50	50	20.55	20.52	20.62	22.10
20	QPSK	100	0	20.58	20.55	20.66	22.10
20	16QAM	1	0	20.61	20.52	20.72	22.10
20	16QAM	1	49	20.28	20.36	20.44	22.10
20	16QAM	1	99	20.31	20.35	20.40	22.10
20	16QAM	50	0	20.66	20.63	20.73	22.10
20	16QAM	50	24	20.62	20.60	20.71	22.10
20	16QAM	50	50	20.61	20.58	20.68	22.10
20	16QAM	100	0	20.61	20.59	20.70	22.10
20	64QAM	1	0	20.50	20.57	20.64	22.10
20	64QAM	1	49	20.50	20.44	20.61	22.10
20	64QAM	1	99	20.43	20.41	20.52	22.10
20	64QAM	50	0	20.64	20.61	20.71	22.10
20	64QAM	50	24	20.59	20.57	20.67	22.10
20	64QAM	50	50	20.58	20.56	20.69	22.10
20	64QAM	100	0	20.60	20.56	20.67	22.10
20	256QAM	1	0	20.54	20.56	20.57	22.10
20	256QAM	1	49	20.53	20.45	20.58	22.10
20	256QAM	1	99	20.50	20.48	20.59	22.10
20	256QAM	50	0	20.29	20.26	20.36	22.10
20	256QAM	50	24	20.25	20.23	20.34	22.10
20	256QAM	50	50	20.24	20.21	20.31	22.10
20	256QAM	100	0	20.21	20.19	20.28	22.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.60	20.56	20.66	22.10
15	QPSK	1	37	20.31	20.34	20.46	22.10
15	QPSK	1	74	20.37	20.40	20.45	22.10
15	QPSK	36	0	20.53	20.58	20.64	22.10
15	QPSK	36	20	20.51	20.51	20.58	22.10
15	QPSK	36	39	20.53	20.48	20.58	22.10
15	QPSK	75	0	20.48	20.52	20.60	22.10
15	16QAM	1	0	20.56	20.44	20.71	22.10
15	16QAM	1	37	20.17	20.25	20.40	22.10
15	16QAM	1	74	20.26	20.33	20.35	22.10
15	16QAM	36	0	20.56	20.54	20.69	22.10
15	16QAM	36	20	20.61	20.49	20.67	22.10
15	16QAM	36	39	20.47	20.55	20.65	22.10
15	16QAM	75	0	20.48	20.57	20.60	22.10
15	64QAM	1	0	20.41	20.48	20.58	22.10
15	64QAM	1	37	20.41	20.31	20.53	22.10
15	64QAM	1	74	20.33	20.40	20.38	22.10
15	64QAM	36	0	20.60	20.46	20.58	22.10
15	64QAM	36	20	20.49	20.51	20.54	22.10
15	64QAM	36	39	20.49	20.51	20.61	22.10
15	64QAM	75	0	20.49	20.52	20.57	22.10
15	256QAM	1	0	20.43	20.54	20.53	22.10
15	256QAM	1	37	20.39	20.31	20.54	22.10
15	256QAM	1	74	20.36	20.36	20.57	22.10
15	256QAM	36	0	20.25	20.20	20.35	22.10
15	256QAM	36	20	20.21	20.10	20.27	22.10
15	256QAM	36	39	20.17	20.13	20.20	22.10
15	256QAM	75	0	20.14	20.05	20.16	22.10
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.62	20.59	20.77	22.10
10	QPSK	1	25	20.27	20.34	20.43	22.10
10	QPSK	1	49	20.35	20.31	20.43	22.10
10	QPSK	25	0	20.61	20.58	20.61	22.10
10	QPSK	25	12	20.48	20.54	20.55	22.10



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10	QPSK	25	25	20.43	20.48	20.59	22.10
10	QPSK	50	0	20.46	20.48	20.55	22.10
10	16QAM	1	0	20.51	20.38	20.63	22.10
10	16QAM	1	25	20.22	20.29	20.30	22.10
10	16QAM	1	49	20.21	20.23	20.37	22.10
10	16QAM	25	0	20.60	20.50	20.65	22.10
10	16QAM	25	12	20.55	20.50	20.68	22.10
10	16QAM	25	25	20.55	20.50	20.53	22.10
10	16QAM	50	0	20.56	20.51	20.58	22.10
10	64QAM	1	0	20.38	20.44	20.57	22.10
10	64QAM	1	25	20.43	20.40	20.59	22.10
10	64QAM	1	49	20.35	20.27	20.47	22.10
10	64QAM	25	0	20.55	20.47	20.63	22.10
10	64QAM	25	12	20.56	20.43	20.56	22.10
10	64QAM	25	25	20.44	20.50	20.65	22.10
10	64QAM	50	0	20.50	20.48	20.64	22.10
10	256QAM	1	0	20.48	20.48	20.51	22.10
10	256QAM	1	25	20.45	20.31	20.46	22.10
10	256QAM	1	49	20.48	20.42	20.52	22.10
10	256QAM	25	0	20.21	20.17	20.28	22.10
10	256QAM	25	12	20.14	20.21	20.32	22.10
10	256QAM	25	25	20.21	20.07	20.28	22.10
10	256QAM	50	0	20.07	20.12	20.19	22.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.66	20.54	20.72	22.10
5	QPSK	1	12	20.39	20.27	20.36	22.10
5	QPSK	1	24	20.40	20.30	20.48	22.10
5	QPSK	12	0	20.56	20.54	20.68	22.10
5	QPSK	12	7	20.44	20.48	20.61	22.10
5	QPSK	12	13	20.45	20.42	20.55	22.10
5	QPSK	25	0	20.52	20.54	20.52	22.10
5	16QAM	1	0	20.56	20.51	20.65	22.10
5	16QAM	1	12	20.13	20.32	20.30	22.10
5	16QAM	1	24	20.19	20.21	20.38	22.10
5	16QAM	12	0	20.55	20.49	20.60	22.10
5	16QAM	12	7	20.53	20.59	20.58	22.10
5	16QAM	12	13	20.55	20.52	20.53	22.10
5	16QAM	25	0	20.57	20.49	20.56	22.10
5	64QAM	1	0	20.41	20.54	20.56	22.10
5	64QAM	1	12	20.40	20.39	20.56	22.10
5	64QAM	1	24	20.41	20.28	20.46	22.10
5	64QAM	12	0	20.57	20.55	20.67	22.10
5	64QAM	12	7	20.45	20.48	20.65	22.10
5	64QAM	12	13	20.55	20.46	20.55	22.10
5	64QAM	25	0	20.52	20.52	20.65	22.10
5	256QAM	1	0	20.43	20.43	20.48	22.10
5	256QAM	1	12	20.46	20.43	20.51	22.10
5	256QAM	1	24	20.49	20.35	20.58	22.10
5	256QAM	12	0	20.19	20.17	20.24	22.10
5	256QAM	12	7	20.23	20.10	20.26	22.10
5	256QAM	12	13	20.12	20.07	20.22	22.10
5	256QAM	25	0	20.12	20.08	20.24	22.10

【LTE Band 38_HPUE_Ant 0_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.68	20.65	20.79	20.90
20	QPSK	1	49	20.41	20.39	20.47	20.90
20	QPSK	1	99	20.43	20.43	20.51	20.90
20	QPSK	50	0	20.63	20.60	20.70	20.90
20	QPSK	50	24	20.58	20.56	20.67	20.90
20	QPSK	50	50	20.55	20.52	20.62	20.90
20	QPSK	100	0	20.58	20.55	20.66	20.90
20	16QAM	1	0	20.61	20.52	20.72	20.90
20	16QAM	1	49	20.28	20.36	20.44	20.90
20	16QAM	1	99	20.31	20.35	20.40	20.90
20	16QAM	50	0	20.66	20.63	20.73	20.90
20	16QAM	50	24	20.62	20.60	20.71	20.90
20	16QAM	50	50	20.61	20.58	20.68	20.90
20	16QAM	100	0	20.61	20.59	20.70	20.90
20	64QAM	1	0	20.50	20.57	20.64	20.90
20	64QAM	1	49	20.50	20.44	20.61	20.90
20	64QAM	1	99	20.43	20.41	20.52	20.90

20	64QAM	50	0	20.64	20.61	20.71	20.90
20	64QAM	50	24	20.59	20.57	20.67	20.90
20	64QAM	50	50	20.58	20.56	20.69	20.90
20	64QAM	100	0	20.60	20.56	20.67	20.90
20	256QAM	1	0	20.54	20.56	20.57	20.90
20	256QAM	1	49	20.53	20.45	20.58	20.90
20	256QAM	1	99	20.50	20.48	20.59	20.90
20	256QAM	50	0	20.29	20.26	20.36	20.90
20	256QAM	50	24	20.25	20.23	20.34	20.90
20	256QAM	50	50	20.24	20.21	20.31	20.90
20	256QAM	100	0	20.21	20.19	20.28	20.90
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	20.60	20.56	20.66	20.90
15	QPSK	1	37	20.31	20.34	20.46	20.90
15	QPSK	1	74	20.37	20.40	20.45	20.90
15	QPSK	36	0	20.53	20.58	20.64	20.90
15	QPSK	36	20	20.51	20.51	20.58	20.90
15	QPSK	36	39	20.53	20.48	20.58	20.90
15	QPSK	75	0	20.48	20.52	20.60	20.90
15	16QAM	1	0	20.56	20.44	20.71	20.90
15	16QAM	1	37	20.17	20.25	20.40	20.90
15	16QAM	1	74	20.26	20.33	20.35	20.90
15	16QAM	36	0	20.56	20.54	20.69	20.90
15	16QAM	36	20	20.61	20.49	20.67	20.90
15	16QAM	36	39	20.47	20.55	20.65	20.90
15	16QAM	75	0	20.48	20.57	20.60	20.90
15	64QAM	1	0	20.41	20.48	20.58	20.90
15	64QAM	1	37	20.41	20.31	20.53	20.90
15	64QAM	1	74	20.33	20.40	20.38	20.90
15	64QAM	36	0	20.60	20.46	20.58	20.90
15	64QAM	36	20	20.49	20.51	20.54	20.90
15	64QAM	36	39	20.49	20.51	20.61	20.90
15	64QAM	75	0	20.49	20.52	20.57	20.90
15	256QAM	1	0	20.43	20.54	20.53	20.90
15	256QAM	1	37	20.39	20.31	20.54	20.90
15	256QAM	1	74	20.36	20.36	20.57	20.90
15	256QAM	36	0	20.25	20.20	20.35	20.90
15	256QAM	36	20	20.21	20.10	20.27	20.90
15	256QAM	36	39	20.17	20.13	20.20	20.90
15	256QAM	75	0	20.14	20.05	20.16	20.90
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	20.62	20.59	20.77	20.90
10	QPSK	1	25	20.27	20.34	20.43	20.90
10	QPSK	1	49	20.35	20.31	20.43	20.90
10	QPSK	25	0	20.61	20.58	20.61	20.90
10	QPSK	25	12	20.48	20.54	20.55	20.90
10	QPSK	25	25	20.43	20.48	20.59	20.90
10	QPSK	50	0	20.46	20.48	20.55	20.90
10	16QAM	1	0	20.51	20.38	20.63	20.90
10	16QAM	1	25	20.22	20.29	20.30	20.90
10	16QAM	1	49	20.21	20.23	20.37	20.90
10	16QAM	25	0	20.60	20.50	20.65	20.90
10	16QAM	25	12	20.55	20.50	20.68	20.90
10	16QAM	25	25	20.55	20.50	20.53	20.90
10	16QAM	50	0	20.56	20.51	20.58	20.90
10	64QAM	1	0	20.38	20.44	20.57	20.90
10	64QAM	1	25	20.43	20.40	20.59	20.90
10	64QAM	1	49	20.35	20.27	20.47	20.90
10	64QAM	25	0	20.55	20.47	20.63	20.90
10	64QAM	25	12	20.56	20.43	20.56	20.90
10	64QAM	25	25	20.44	20.50	20.65	20.90
10	64QAM	50	0	20.50	20.48	20.64	20.90
10	256QAM	1	0	20.48	20.48	20.51	20.90
10	256QAM	1	25	20.45	20.31	20.46	20.90
10	256QAM	1	49	20.48	20.42	20.52	20.90
10	256QAM	25	0	20.21	20.17	20.28	20.90
10	256QAM	25	12	20.14	20.21	20.32	20.90
10	256QAM	25	25	20.21	20.07	20.28	20.90
10	256QAM	50	0	20.07	20.12	20.19	20.90
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	20.66	20.54	20.72	20.90
5	QPSK	1	12	20.39	20.27	20.36	20.90
5	QPSK	1	24	20.40	20.30	20.48	20.90
5	QPSK	12	0	20.56	20.54	20.68	20.90
5	QPSK	12	7	20.44	20.48	20.61	20.90

5	QPSK	12	13	20.45	20.42	20.55	20.90
5	QPSK	25	0	20.52	20.54	20.52	20.90
5	16QAM	1	0	20.56	20.51	20.65	20.90
5	16QAM	1	12	20.13	20.32	20.30	20.90
5	16QAM	1	24	20.19	20.21	20.38	20.90
5	16QAM	12	0	20.55	20.49	20.60	20.90
5	16QAM	12	7	20.53	20.59	20.58	20.90
5	16QAM	12	13	20.55	20.52	20.53	20.90
5	16QAM	25	0	20.57	20.49	20.56	20.90
5	64QAM	1	0	20.41	20.54	20.56	20.90
5	64QAM	1	12	20.40	20.39	20.56	20.90
5	64QAM	1	24	20.41	20.28	20.46	20.90
5	64QAM	12	0	20.57	20.55	20.67	20.90
5	64QAM	12	7	20.45	20.48	20.65	20.90
5	64QAM	12	13	20.55	20.46	20.55	20.90
5	64QAM	25	0	20.52	20.52	20.65	20.90
5	256QAM	1	0	20.43	20.43	20.48	20.90
5	256QAM	1	12	20.46	20.43	20.51	20.90
5	256QAM	1	24	20.49	20.35	20.58	20.90
5	256QAM	12	0	20.19	20.17	20.24	20.90
5	256QAM	12	7	20.23	20.10	20.26	20.90
5	256QAM	12	13	20.12	20.07	20.22	20.90
5	256QAM	25	0	20.12	20.08	20.24	20.90

【LTE Band 38_Ant 2_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.43	24.45	24.36	25.10
20	QPSK	1	49	24.30	24.43	24.32	25.10
20	QPSK	1	99	24.27	24.27	24.14	25.10
20	QPSK	50	0	23.42	23.52	23.41	24.10
20	QPSK	50	24	23.40	23.47	23.35	24.10
20	QPSK	50	50	23.38	23.43	23.31	24.10
20	QPSK	100	0	23.40	23.46	23.34	24.10
20	16QAM	1	0	23.54	23.61	23.47	24.10
20	16QAM	1	49	23.49	23.50	23.36	24.10
20	16QAM	1	99	23.43	23.43	23.28	24.10
20	16QAM	50	0	22.44	22.51	22.40	23.10
20	16QAM	50	24	22.41	22.47	22.35	23.10
20	16QAM	50	50	22.39	22.43	22.31	23.10
20	16QAM	100	0	22.41	22.46	22.33	23.10
20	64QAM	1	0	22.10	22.17	22.06	23.10
20	64QAM	1	49	22.11	22.16	22.04	23.10
20	64QAM	1	99	21.99	22.02	21.89	23.10
20	64QAM	50	0	21.42	21.49	21.37	22.10
20	64QAM	50	24	21.39	21.44	21.32	22.10
20	64QAM	50	50	21.36	21.40	21.29	22.10
20	64QAM	100	0	21.39	21.42	21.31	22.10
20	256QAM	1	0	19.21	19.30	19.22	20.10
20	256QAM	1	49	19.26	19.34	19.24	20.10
20	256QAM	1	99	19.16	19.20	19.08	20.10
20	256QAM	50	0	19.45	19.51	19.39	20.10
20	256QAM	50	24	19.43	19.48	19.36	20.10
20	256QAM	50	50	19.40	19.44	19.32	20.10
20	256QAM	100	0	19.36	19.44	19.33	20.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.38	24.38	24.23	25.10
15	QPSK	1	37	24.29	24.39	24.29	25.10
15	QPSK	1	74	24.14	24.14	24.09	25.10
15	QPSK	36	0	23.33	23.41	23.33	24.10
15	QPSK	36	20	23.26	23.39	23.34	24.10
15	QPSK	36	39	23.28	23.30	23.19	24.10
15	QPSK	75	0	23.32	23.32	23.28	24.10
15	16QAM	1	0	23.39	23.57	23.38	24.10
15	16QAM	1	37	23.34	23.45	23.34	24.10
15	16QAM	1	74	23.30	23.30	23.17	24.10
15	16QAM	36	0	22.39	22.47	22.30	23.10
15	16QAM	36	20	22.34	22.33	22.30	23.10
15	16QAM	36	39	22.35	22.37	22.16	23.10
15	16QAM	75	0	22.38	22.39	22.19	23.10
15	64QAM	1	0	21.98	22.04	21.92	23.10
15	64QAM	1	37	22.02	22.09	21.99	23.10
15	64QAM	1	74	21.97	21.96	21.87	23.10



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15	64QAM	36	0	21.32	21.44	21.27	22.10
15	64QAM	36	20	21.25	21.34	21.30	22.10
15	64QAM	36	39	21.23	21.38	21.27	22.10
15	64QAM	75	0	21.26	21.30	21.17	22.10
15	256QAM	1	0	19.10	19.17	19.08	20.10
15	256QAM	1	37	19.22	19.32	19.20	20.10
15	256QAM	1	74	19.11	19.06	18.94	20.10
15	256QAM	36	0	19.40	19.42	19.25	20.10
15	256QAM	36	20	19.28	19.40	19.27	20.10
15	256QAM	36	39	19.31	19.35	19.27	20.10
15	256QAM	75	0	19.27	19.31	19.29	20.10
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	24.41	24.31	24.33	25.10
10	QPSK	1	25	24.19	24.36	24.17	25.10
10	QPSK	1	49	24.20	24.22	24.06	25.10
10	QPSK	25	0	23.35	23.48	23.26	24.10
10	QPSK	25	12	23.33	23.34	23.34	24.10
10	QPSK	25	25	23.30	23.30	23.22	24.10
10	QPSK	50	0	23.29	23.44	23.25	24.10
10	16QAM	1	0	23.49	23.57	23.42	24.10
10	16QAM	1	25	23.45	23.43	23.22	24.10
10	16QAM	1	49	23.37	23.39	23.25	24.10
10	16QAM	25	0	22.41	22.43	22.29	23.10
10	16QAM	25	12	22.34	22.43	22.26	23.10
10	16QAM	25	25	22.27	22.41	22.24	23.10
10	16QAM	50	0	22.37	22.39	22.22	23.10
10	64QAM	1	0	21.96	22.05	21.97	23.10
10	64QAM	1	25	21.97	22.05	21.90	23.10
10	64QAM	1	49	21.87	21.99	21.80	23.10
10	64QAM	25	0	21.37	21.39	21.30	22.10
10	64QAM	25	12	21.30	21.35	21.18	22.10
10	64QAM	25	25	21.26	21.35	21.16	22.10
10	64QAM	50	0	21.30	21.33	21.27	22.10
10	256QAM	1	0	19.16	19.20	19.15	20.10
10	256QAM	1	25	19.17	19.23	19.10	20.10
10	256QAM	1	49	19.15	19.08	18.98	20.10
10	256QAM	25	0	19.41	19.46	19.27	20.10
10	256QAM	25	12	19.38	19.45	19.23	20.10
10	256QAM	25	25	19.26	19.34	19.21	20.10
10	256QAM	50	0	19.28	19.37	19.32	20.10
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	24.28	24.39	24.27	25.10
5	QPSK	1	12	24.24	24.37	24.29	25.10
5	QPSK	1	24	24.17	24.17	24.10	25.10
5	QPSK	12	0	23.33	23.51	23.34	24.10
5	QPSK	12	7	23.30	23.36	23.23	24.10
5	QPSK	12	13	23.23	23.39	23.19	24.10
5	QPSK	25	0	23.28	23.45	23.24	24.10
5	16QAM	1	0	23.50	23.48	23.39	24.10
5	16QAM	1	12	23.40	23.41	23.23	24.10
5	16QAM	1	24	23.32	23.41	23.14	24.10
5	16QAM	12	0	22.33	22.45	22.34	23.10
5	16QAM	12	7	22.30	22.39	22.24	23.10
5	16QAM	12	13	22.37	22.37	22.18	23.10
5	16QAM	25	0	22.34	22.34	22.20	23.10
5	64QAM	1	0	22.03	22.15	21.91	23.10
5	64QAM	1	12	22.05	22.02	21.90	23.10
5	64QAM	1	24	21.92	21.90	21.82	23.10
5	64QAM	12	0	21.36	21.43	21.24	22.10
5	64QAM	12	7	21.31	21.31	21.26	22.10
5	64QAM	12	13	21.33	21.28	21.14	22.10
5	64QAM	25	0	21.30	21.33	21.17	22.10
5	256QAM	1	0	19.20	19.27	19.21	20.10
5	256QAM	1	12	19.17	19.27	19.17	20.10
5	256QAM	1	24	19.04	19.14	19.00	20.10
5	256QAM	12	0	19.43	19.42	19.28	20.10
5	256QAM	12	7	19.36	19.37	19.23	20.10
5	256QAM	12	13	19.25	19.43	19.25	20.10
5	256QAM	25	0	19.25	19.39	19.22	20.10

【LTE Band 38_Ant 2_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.29	22.36	22.27	24.10
20	QPSK	1	49	22.24	22.28	22.13	24.10
20	QPSK	1	99	22.12	22.15	22.10	24.10
20	QPSK	50	0	22.18	22.27	22.11	24.10
20	QPSK	50	24	22.12	22.24	22.11	24.10
20	QPSK	50	50	22.13	22.15	22.10	24.10
20	QPSK	100	0	22.16	22.19	22.11	24.10
20	16QAM	1	0	22.24	22.29	22.22	24.10
20	16QAM	1	49	22.35	22.23	22.19	24.10
20	16QAM	1	99	22.15	22.12	22.14	24.10
20	16QAM	50	0	22.30	22.27	22.18	23.10
20	16QAM	50	24	22.18	22.23	22.19	23.10
20	16QAM	50	50	22.23	22.16	22.11	23.10
20	16QAM	100	0	22.17	22.22	22.08	23.10
20	64QAM	1	0	21.85	21.91	21.74	23.10
20	64QAM	1	49	21.95	21.95	21.88	23.10
20	64QAM	1	99	21.77	21.75	21.66	23.10
20	64QAM	50	0	21.40	21.50	21.37	22.10
20	64QAM	50	24	21.36	21.43	21.29	22.10
20	64QAM	50	50	21.32	21.37	21.20	22.10
20	64QAM	100	0	21.45	21.45	21.40	22.10
20	256QAM	1	0	19.15	19.23	19.19	20.10
20	256QAM	1	49	19.29	19.31	19.20	20.10
20	256QAM	1	99	19.20	19.14	19.02	20.10
20	256QAM	50	0	19.44	19.47	19.36	20.10
20	256QAM	50	24	19.36	19.47	19.38	20.10
20	256QAM	50	50	19.39	19.37	19.36	20.10
20	256QAM	100	0	19.31	19.43	19.32	20.10
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.28	22.28	22.13	24.10
15	QPSK	1	37	22.22	22.19	22.15	24.10
15	QPSK	1	74	22.11	22.12	22.14	24.10
15	QPSK	36	0	22.16	22.25	22.12	24.10
15	QPSK	36	20	22.14	22.16	22.19	24.10
15	QPSK	36	39	22.18	22.15	22.16	24.10
15	QPSK	75	0	22.14	22.18	22.19	24.10
15	16QAM	1	0	22.21	22.27	22.12	24.10
15	16QAM	1	37	22.32	22.22	22.14	24.10
15	16QAM	1	74	22.13	22.10	22.16	24.10
15	16QAM	36	0	22.22	22.18	22.12	23.10
15	16QAM	36	20	22.11	22.17	22.16	23.10
15	16QAM	36	39	22.20	22.16	22.19	23.10
15	16QAM	75	0	22.15	22.14	22.15	23.10
15	64QAM	1	0	21.78	22.11	21.69	23.10
15	64QAM	1	37	22.18	22.18	22.13	23.10
15	64QAM	1	74	21.72	21.72	21.65	23.10
15	64QAM	36	0	21.27	21.48	21.29	22.10
15	64QAM	36	20	21.30	21.34	21.17	22.10
15	64QAM	36	39	21.28	21.22	21.07	22.10
15	64QAM	75	0	21.40	21.43	21.35	22.10
15	256QAM	1	0	19.12	19.17	19.18	20.10
15	256QAM	1	37	19.26	19.20	19.05	20.10
15	256QAM	1	74	19.18	19.12	19.00	20.10
15	256QAM	36	0	19.29	19.38	19.26	20.10
15	256QAM	36	20	19.22	19.34	19.34	20.10
15	256QAM	36	39	19.37	19.27	19.29	20.10
15	256QAM	75	0	19.24	19.39	19.30	20.10
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.27	22.28	22.18	24.10
10	QPSK	1	25	22.14	22.26	22.13	24.10
10	QPSK	1	49	22.18	22.17	22.14	24.10
10	QPSK	25	0	22.18	22.23	22.16	24.10
10	QPSK	25	12	22.17	22.15	22.17	24.10
10	QPSK	25	25	22.17	22.16	22.17	24.10
10	QPSK	50	0	22.14	22.16	22.11	24.10
10	16QAM	1	0	22.12	22.20	22.19	24.10
10	16QAM	1	25	22.33	22.17	22.14	24.10
10	16QAM	1	49	22.13	22.18	22.14	24.10
10	16QAM	25	0	22.25	22.13	22.16	23.10



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10	16QAM	25	12	22.10	22.19	22.10	23.10
10	16QAM	25	25	22.14	22.12	22.10	23.10
10	16QAM	50	0	22.12	22.15	22.14	23.10
10	64QAM	1	0	21.72	22.18	21.67	23.10
10	64QAM	1	25	22.14	22.13	22.16	23.10
10	64QAM	1	49	21.65	21.73	21.52	23.10
10	64QAM	25	0	21.36	21.41	21.29	22.10
10	64QAM	25	12	21.34	21.40	21.22	22.10
10	64QAM	25	25	21.28	21.23	21.12	22.10
10	64QAM	50	0	21.36	21.31	21.34	22.10
10	256QAM	1	0	19.05	19.13	19.09	20.10
10	256QAM	1	25	19.21	19.16	19.14	20.10
10	256QAM	1	49	19.07	19.00	18.87	20.10
10	256QAM	25	0	19.36	19.46	19.31	20.10
10	256QAM	25	12	19.27	19.33	19.24	20.10
10	256QAM	25	25	19.31	19.22	19.30	20.10
10	256QAM	50	0	19.20	19.41	19.27	20.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.23	22.29	22.17	24.10
5	QPSK	1	12	22.20	22.24	22.11	24.10
5	QPSK	1	24	22.18	22.12	22.19	24.10
5	QPSK	12	0	22.18	22.25	22.18	24.10
5	QPSK	12	7	22.13	22.18	22.17	24.10
5	QPSK	12	13	22.15	22.12	22.10	24.10
5	QPSK	25	0	22.13	22.13	22.19	24.10
5	16QAM	1	0	22.18	22.17	22.14	24.10
5	16QAM	1	12	22.26	22.14	22.15	24.10
5	16QAM	1	24	22.10	22.17	22.12	24.10
5	16QAM	12	0	22.23	22.18	22.19	23.10
5	16QAM	12	7	22.15	22.14	22.18	23.10
5	16QAM	12	13	22.19	22.13	22.13	23.10
5	16QAM	25	0	22.13	22.11	22.15	23.10
5	64QAM	1	0	21.74	21.80	21.66	23.10
5	64QAM	1	12	21.89	21.88	21.85	23.10
5	64QAM	1	24	21.68	21.66	21.55	23.10
5	64QAM	12	0	21.27	21.38	21.30	22.10
5	64QAM	12	7	21.27	21.29	21.25	22.10
5	64QAM	12	13	21.20	21.31	21.10	22.10
5	64QAM	25	0	21.33	21.42	21.27	22.10
5	256QAM	1	0	19.07	19.09	19.06	20.10
5	256QAM	1	12	19.22	19.25	19.19	20.10
5	256QAM	1	24	19.07	18.99	19.01	20.10
5	256QAM	12	0	19.42	19.33	19.27	20.10
5	256QAM	12	7	19.31	19.34	19.31	20.10
5	256QAM	12	13	19.36	19.31	19.21	20.10
5	256QAM	25	0	19.30	19.38	19.29	20.10

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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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.29	22.36	22.27	22.60
20	QPSK	1	49	22.24	22.28	22.13	22.60
20	QPSK	1	99	22.12	22.15	22.10	22.60
20	QPSK	50	0	22.18	22.27	22.11	22.60
20	QPSK	50	24	22.12	22.24	22.11	22.60
20	QPSK	50	50	22.13	22.15	22.10	22.60
20	QPSK	100	0	22.16	22.19	22.11	22.60
20	16QAM	1	0	22.24	22.29	22.22	22.60
20	16QAM	1	49	22.35	22.23	22.19	22.60
20	16QAM	1	99	22.15	22.12	22.14	22.60
20	16QAM	50	0	22.30	22.27	22.18	22.60
20	16QAM	50	24	22.18	22.23	22.19	22.60
20	16QAM	50	50	22.23	22.16	22.11	22.60
20	16QAM	100	0	22.17	22.22	22.08	22.60
20	64QAM	1	0	21.85	21.91	21.74	22.60
20	64QAM	1	49	21.95	21.95	21.88	22.60
20	64QAM	1	99	21.77	21.75	21.66	22.60
20	64QAM	50	0	21.40	21.50	21.37	22.10
20	64QAM	50	24	21.36	21.43	21.29	22.10
20	64QAM	50	50	21.32	21.37	21.20	22.10
20	64QAM	100	0	21.45	21.45	21.40	22.10
20	256QAM	1	0	19.15	19.23	19.19	20.10
20	256QAM	1	49	19.29	19.31	19.20	20.10



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20	256QAM	1	99	19.20	19.14	19.02	20.10
20	256QAM	50	0	19.44	19.47	19.36	20.10
20	256QAM	50	24	19.36	19.47	19.38	20.10
20	256QAM	50	50	19.39	19.37	19.36	20.10
20	256QAM	100	0	19.31	19.43	19.32	20.10
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	22.28	22.28	22.13	22.60
15	QPSK	1	37	22.22	22.19	22.15	22.60
15	QPSK	1	74	22.11	22.12	22.14	22.60
15	QPSK	36	0	22.16	22.25	22.12	22.60
15	QPSK	36	20	22.14	22.16	22.19	22.60
15	QPSK	36	39	22.18	22.15	22.16	22.60
15	QPSK	75	0	22.14	22.18	22.19	22.60
15	16QAM	1	0	22.21	22.27	22.12	22.60
15	16QAM	1	37	22.32	22.22	22.14	22.60
15	16QAM	1	74	22.13	22.10	22.16	22.60
15	16QAM	36	0	22.22	22.18	22.12	22.60
15	16QAM	36	20	22.11	22.17	22.16	22.60
15	16QAM	36	39	22.20	22.16	22.19	22.60
15	16QAM	75	0	22.15	22.14	22.15	22.60
15	64QAM	1	0	21.78	22.11	21.69	22.60
15	64QAM	1	37	22.18	22.18	22.13	22.60
15	64QAM	1	74	21.72	21.72	21.65	22.60
15	64QAM	36	0	21.27	21.48	21.29	22.10
15	64QAM	36	20	21.30	21.34	21.17	22.10
15	64QAM	36	39	21.28	21.22	21.07	22.10
15	64QAM	75	0	21.40	21.43	21.35	22.10
15	256QAM	1	0	19.12	19.17	19.18	20.10
15	256QAM	1	37	19.26	19.20	19.05	20.10
15	256QAM	1	74	19.18	19.12	19.00	20.10
15	256QAM	36	0	19.29	19.38	19.26	20.10
15	256QAM	36	20	19.22	19.34	19.34	20.10
15	256QAM	36	39	19.37	19.27	19.29	20.10
15	256QAM	75	0	19.24	19.39	19.30	20.10
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	22.27	22.28	22.18	22.60
10	QPSK	1	25	22.14	22.26	22.13	22.60
10	QPSK	1	49	22.18	22.17	22.14	22.60
10	QPSK	25	0	22.18	22.23	22.16	22.60
10	QPSK	25	12	22.17	22.15	22.17	22.60
10	QPSK	25	25	22.17	22.16	22.17	22.60
10	QPSK	50	0	22.14	22.16	22.11	22.60
10	16QAM	1	0	22.12	22.20	22.19	22.60
10	16QAM	1	25	22.33	22.17	22.14	22.60
10	16QAM	1	49	22.13	22.18	22.14	22.60
10	16QAM	25	0	22.25	22.13	22.16	22.60
10	16QAM	25	12	22.10	22.19	22.10	22.60
10	16QAM	25	25	22.14	22.12	22.10	22.60
10	16QAM	50	0	22.12	22.15	22.14	22.60
10	64QAM	1	0	21.72	22.18	21.67	22.60
10	64QAM	1	25	22.14	22.13	22.16	22.60
10	64QAM	1	49	21.65	21.73	21.52	22.60
10	64QAM	25	0	21.36	21.41	21.29	22.10
10	64QAM	25	12	21.34	21.40	21.22	22.10
10	64QAM	25	25	21.28	21.23	21.12	22.10
10	64QAM	50	0	21.36	21.31	21.34	22.10
10	256QAM	1	0	19.05	19.13	19.09	20.10
10	256QAM	1	25	19.21	19.16	19.14	20.10
10	256QAM	1	49	19.07	19.00	18.87	20.10
10	256QAM	25	0	19.36	19.46	19.31	20.10
10	256QAM	25	12	19.27	19.33	19.24	20.10
10	256QAM	25	25	19.31	19.22	19.30	20.10
10	256QAM	50	0	19.20	19.41	19.27	20.10
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	22.23	22.29	22.17	22.60
5	QPSK	1	12	22.20	22.24	22.11	22.60
5	QPSK	1	24	22.18	22.12	22.19	22.60
5	QPSK	12	0	22.18	22.25	22.18	22.60
5	QPSK	12	7	22.13	22.18	22.17	22.60
5	QPSK	12	13	22.15	22.12	22.10	22.60
5	QPSK	25	0	22.13	22.13	22.19	22.60
5	16QAM	1	0	22.18	22.17	22.14	22.60
5	16QAM	1	12	22.26	22.14	22.15	22.60
5	16QAM	1	24	22.10	22.17	22.12	22.60
5	16QAM	12	0	22.23	22.18	22.19	22.60

5	16QAM	12	7	22.15	22.14	22.18	22.60
5	16QAM	12	13	22.19	22.13	22.13	22.60
5	16QAM	25	0	22.13	22.11	22.15	22.60
5	64QAM	1	0	21.74	21.80	21.66	22.60
5	64QAM	1	12	21.89	21.88	21.85	22.60
5	64QAM	1	24	21.68	21.66	21.55	22.60
5	64QAM	12	0	21.27	21.38	21.30	22.10
5	64QAM	12	7	21.27	21.29	21.25	22.10
5	64QAM	12	13	21.20	21.31	21.10	22.10
5	64QAM	25	0	21.33	21.42	21.27	22.10
5	256QAM	1	0	19.07	19.09	19.06	20.10
5	256QAM	1	12	19.22	19.25	19.19	20.10
5	256QAM	1	24	19.07	18.99	19.01	20.10
5	256QAM	12	0	19.42	19.33	19.27	20.10
5	256QAM	12	7	19.31	19.34	19.31	20.10
5	256QAM	12	13	19.36	19.31	19.21	20.10
5	256QAM	25	0	19.30	19.38	19.29	20.10

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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				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.30	18.25	18.20	18.40
20	QPSK	1	49	18.24	18.23	18.17	18.40
20	QPSK	1	99	18.17	18.09	18.06	18.40
20	QPSK	50	0	18.23	18.16	18.12	18.40
20	QPSK	50	24	18.22	18.12	18.07	18.40
20	QPSK	50	50	18.17	18.07	18.00	18.40
20	QPSK	100	0	18.20	18.11	18.04	18.40
20	16QAM	1	0	18.24	18.22	18.19	18.40
20	16QAM	1	49	18.23	18.21	18.14	18.40
20	16QAM	1	99	18.17	18.14	18.08	18.40
20	16QAM	50	0	18.23	18.24	18.16	18.40
20	16QAM	50	24	18.22	18.18	18.14	18.40
20	16QAM	50	50	18.21	18.14	18.07	18.40
20	16QAM	100	0	18.22	18.16	18.11	18.40
20	64QAM	1	0	17.92	17.92	17.88	18.40
20	64QAM	1	49	17.98	17.88	17.76	18.40
20	64QAM	1	99	17.80	17.75	17.70	18.40
20	64QAM	50	0	18.24	18.22	18.17	18.40
20	64QAM	50	24	18.23	18.17	18.09	18.40
20	64QAM	50	50	18.19	18.14	18.08	18.40
20	64QAM	100	0	18.22	18.17	18.13	18.40
20	256QAM	1	0	18.07	18.07	18.04	18.40
20	256QAM	1	49	18.10	17.94	18.04	18.40
20	256QAM	1	99	17.96	17.94	17.91	18.40
20	256QAM	50	0	18.21	18.17	18.12	18.40
20	256QAM	50	24	18.18	18.13	18.09	18.40
20	256QAM	50	50	18.15	18.09	18.03	18.40
20	256QAM	100	0	18.13	18.09	18.04	18.40
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.20	18.18	18.16	18.40
15	QPSK	1	37	18.10	18.21	18.05	18.40
15	QPSK	1	74	18.14	17.99	17.99	18.40
15	QPSK	36	0	18.18	18.09	18.05	18.40
15	QPSK	36	20	18.18	17.98	18.03	18.40
15	QPSK	36	39	18.15	18.01	17.92	18.40
15	QPSK	75	0	18.19	18.05	17.95	18.40
15	16QAM	1	0	18.20	18.19	18.15	18.40
15	16QAM	1	37	18.10	18.11	18.01	18.40
15	16QAM	1	74	18.10	18.08	18.06	18.40
15	16QAM	36	0	18.13	18.22	18.09	18.40
15	16QAM	36	20	18.13	18.06	18.00	18.40
15	16QAM	36	39	18.09	18.08	17.99	18.40
15	16QAM	75	0	18.11	18.11	17.98	18.40
15	64QAM	1	0	17.89	17.81	17.74	18.40
15	64QAM	1	37	17.84	17.84	17.74	18.40
15	64QAM	1	74	17.65	17.61	17.61	18.40
15	64QAM	36	0	18.20	18.21	18.08	18.40
15	64QAM	36	20	18.15	18.09	17.95	18.40
15	64QAM	36	39	18.07	18.12	17.93	18.40
15	64QAM	75	0	18.20	18.03	18.05	18.40
15	256QAM	1	0	17.99	18.06	17.96	18.40
15	256QAM	1	37	18.05	17.87	17.93	18.40

15	256QAM	1	74	17.90	17.88	17.80	18.40
15	256QAM	36	0	18.12	18.03	17.97	18.40
15	256QAM	36	20	18.05	18.01	18.01	18.40
15	256QAM	36	39	18.10	17.94	17.93	18.40
15	256QAM	75	0	18.09	17.96	17.90	18.40
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.21	18.14	18.17	18.40
10	QPSK	1	25	18.17	18.20	18.13	18.40
10	QPSK	1	49	18.11	17.99	17.93	18.40
10	QPSK	25	0	18.18	18.04	18.00	18.40
10	QPSK	25	12	18.15	18.02	17.99	18.40
10	QPSK	25	25	18.14	17.98	17.98	18.40
10	QPSK	50	0	18.17	18.05	18.01	18.40
10	16QAM	1	0	18.18	18.11	18.17	18.40
10	16QAM	1	25	18.19	18.11	18.02	18.40
10	16QAM	1	49	18.06	18.08	18.03	18.40
10	16QAM	25	0	18.13	18.21	18.09	18.40
10	16QAM	25	12	18.13	18.09	18.10	18.40
10	16QAM	25	25	18.15	17.99	17.97	18.40
10	16QAM	50	0	18.15	18.12	18.06	18.40
10	64QAM	1	0	17.87	17.86	17.78	18.40
10	64QAM	1	25	17.93	17.76	17.70	18.40
10	64QAM	1	49	17.75	17.70	17.66	18.40
10	64QAM	25	0	18.16	18.16	18.07	18.40
10	64QAM	25	12	18.18	18.08	17.97	18.40
10	64QAM	25	25	18.12	18.04	18.02	18.40
10	64QAM	50	0	18.16	18.15	18.01	18.40
10	256QAM	1	0	17.99	18.01	17.90	18.40
10	256QAM	1	25	17.97	17.88	17.94	18.40
10	256QAM	1	49	17.82	17.90	17.81	18.40
10	256QAM	25	0	18.20	18.12	17.97	18.40
10	256QAM	25	12	18.10	18.03	18.07	18.40
10	256QAM	25	25	18.01	18.04	17.98	18.40
10	256QAM	50	0	18.05	17.96	18.00	18.40
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.28	18.17	18.06	18.40
5	QPSK	1	12	18.15	18.18	18.05	18.40
5	QPSK	1	24	18.15	17.99	17.95	18.40
5	QPSK	12	0	18.08	18.12	18.02	18.40
5	QPSK	12	7	18.10	17.99	18.04	18.40
5	QPSK	12	13	18.04	18.05	17.91	18.40
5	QPSK	25	0	18.11	18.01	17.91	18.40
5	16QAM	1	0	18.22	18.13	18.14	18.40
5	16QAM	1	12	18.13	18.15	18.09	18.40
5	16QAM	1	24	18.06	18.00	18.04	18.40
5	16QAM	12	0	18.08	18.13	18.12	18.40
5	16QAM	12	7	18.19	18.06	18.12	18.40
5	16QAM	12	13	18.07	18.04	18.02	18.40
5	16QAM	25	0	18.17	18.14	18.03	18.40
5	64QAM	1	0	17.88	17.81	17.84	18.40
5	64QAM	1	12	17.97	17.84	17.63	18.40
5	64QAM	1	24	17.77	17.68	17.67	18.40
5	64QAM	12	0	18.13	18.12	18.02	18.40
5	64QAM	12	7	18.14	18.08	18.05	18.40
5	64QAM	12	13	18.13	18.03	17.96	18.40
5	64QAM	25	0	18.17	18.06	18.12	18.40
5	256QAM	1	0	17.94	17.93	17.97	18.40
5	256QAM	1	12	18.03	17.90	17.92	18.40
5	256QAM	1	24	17.89	17.80	17.84	18.40
5	256QAM	12	0	18.07	18.03	18.05	18.40
5	256QAM	12	7	18.04	18.02	18.07	18.40
5	256QAM	12	13	18.07	17.97	17.93	18.40
5	256QAM	25	0	18.04	18.08	17.89	18.40

【LTE Band 38_Ant 2_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.30	18.25	18.20	19.10
20	QPSK	1	49	18.24	18.23	18.17	19.10
20	QPSK	1	99	18.17	18.09	18.06	19.10
20	QPSK	50	0	18.23	18.16	18.12	19.10
20	QPSK	50	24	18.22	18.12	18.07	19.10



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20	QPSK	50	50	18.17	18.07	18.00	19.10
20	QPSK	100	0	18.20	18.11	18.04	19.10
20	16QAM	1	0	18.24	18.22	18.19	19.10
20	16QAM	1	49	18.23	18.21	18.14	19.10
20	16QAM	1	99	18.17	18.14	18.08	19.10
20	16QAM	50	0	18.23	18.24	18.16	19.10
20	16QAM	50	24	18.22	18.18	18.14	19.10
20	16QAM	50	50	18.21	18.14	18.07	19.10
20	16QAM	100	0	18.22	18.16	18.11	19.10
20	64QAM	1	0	17.92	17.92	17.88	19.10
20	64QAM	1	49	17.98	17.88	17.76	19.10
20	64QAM	1	99	17.80	17.75	17.70	19.10
20	64QAM	50	0	18.24	18.22	18.17	19.10
20	64QAM	50	24	18.23	18.17	18.09	19.10
20	64QAM	50	50	18.19	18.14	18.08	19.10
20	64QAM	100	0	18.22	18.17	18.13	19.10
20	256QAM	1	0	18.07	18.07	18.04	19.10
20	256QAM	1	49	18.10	17.94	18.04	19.10
20	256QAM	1	99	17.96	17.94	17.91	19.10
20	256QAM	50	0	18.21	18.17	18.12	19.10
20	256QAM	50	24	18.18	18.13	18.09	19.10
20	256QAM	50	50	18.15	18.09	18.03	19.10
20	256QAM	100	0	18.13	18.09	18.04	19.10
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	18.26	18.13	18.09	19.10
15	QPSK	1	37	18.12	18.13	18.13	19.10
15	QPSK	1	74	18.14	18.05	18.03	19.10
15	QPSK	36	0	18.21	18.06	18.03	19.10
15	QPSK	36	20	18.13	18.02	18.00	19.10
15	QPSK	36	39	18.10	18.05	17.94	19.10
15	QPSK	75	0	18.05	18.07	17.95	19.10
15	16QAM	1	0	18.17	18.19	18.07	19.10
15	16QAM	1	37	18.08	18.07	18.05	19.10
15	16QAM	1	74	18.08	18.07	18.03	19.10
15	16QAM	36	0	18.22	18.22	18.12	19.10
15	16QAM	36	20	18.16	18.08	18.10	19.10
15	16QAM	36	39	18.13	18.10	17.94	19.10
15	16QAM	75	0	18.09	18.12	18.01	19.10
15	64QAM	1	0	17.84	17.84	17.79	19.10
15	64QAM	1	37	17.95	17.84	17.64	19.10
15	64QAM	1	74	17.78	17.64	17.63	19.10
15	64QAM	36	0	18.11	18.21	18.04	19.10
15	64QAM	36	20	18.12	18.04	17.97	19.10
15	64QAM	36	39	18.05	18.11	17.95	19.10
15	64QAM	75	0	18.17	18.03	18.00	19.10
15	256QAM	1	0	17.94	17.98	17.96	19.10
15	256QAM	1	37	18.04	17.91	17.96	19.10
15	256QAM	1	74	17.91	17.80	17.82	19.10
15	256QAM	36	0	18.18	18.08	18.01	19.10
15	256QAM	36	20	18.13	18.07	18.06	19.10
15	256QAM	36	39	18.00	17.97	17.91	19.10
15	256QAM	75	0	18.08	18.07	17.93	19.10
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	18.25	18.19	18.15	19.10
10	QPSK	1	25	18.17	18.22	18.04	19.10
10	QPSK	1	49	18.07	18.07	17.92	19.10
10	QPSK	25	0	18.17	18.08	18.03	19.10
10	QPSK	25	12	18.16	18.11	17.99	19.10
10	QPSK	25	25	18.03	18.04	17.93	19.10
10	QPSK	50	0	18.13	18.04	17.94	19.10
10	16QAM	1	0	18.18	18.17	18.10	19.10
10	16QAM	1	25	18.15	18.18	18.06	19.10
10	16QAM	1	49	18.12	18.04	17.95	19.10
10	16QAM	25	0	18.08	18.22	18.10	19.10
10	16QAM	25	12	18.13	18.04	18.11	19.10
10	16QAM	25	25	18.16	18.03	18.04	19.10
10	16QAM	50	0	18.18	18.02	18.04	19.10
10	64QAM	1	0	17.87	17.87	17.78	19.10
10	64QAM	1	25	17.86	17.84	17.71	19.10
10	64QAM	1	49	17.75	17.65	17.69	19.10
10	64QAM	25	0	18.19	18.12	18.08	19.10
10	64QAM	25	12	18.10	18.03	18.05	19.10
10	64QAM	25	25	18.10	18.07	17.93	19.10
10	64QAM	50	0	18.08	18.04	18.00	19.10
10	256QAM	1	0	17.94	17.99	17.98	19.10
10	256QAM	1	25	18.05	17.80	17.93	19.10

10	256QAM	1	49	17.89	17.90	17.80	19.10
10	256QAM	25	0	18.10	18.08	17.97	19.10
10	256QAM	25	12	18.04	18.04	18.06	19.10
10	256QAM	25	25	18.03	18.01	17.90	19.10
10	256QAM	50	0	18.07	18.04	17.99	19.10
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.27	18.11	18.14	19.10
5	QPSK	1	12	18.21	18.17	18.04	19.10
5	QPSK	1	24	18.03	17.98	18.02	19.10
5	QPSK	12	0	18.11	18.13	18.05	19.10
5	QPSK	12	7	18.20	18.06	17.99	19.10
5	QPSK	12	13	18.12	18.00	17.92	19.10
5	QPSK	25	0	18.10	17.99	17.93	19.10
5	16QAM	1	0	18.19	18.10	18.14	19.10
5	16QAM	1	12	18.18	18.12	18.07	19.10
5	16QAM	1	24	18.06	18.01	17.94	19.10
5	16QAM	12	0	18.17	18.20	18.02	19.10
5	16QAM	12	7	18.19	18.10	18.07	19.10
5	16QAM	12	13	18.19	18.10	18.01	19.10
5	16QAM	25	0	18.15	18.13	18.07	19.10
5	64QAM	1	0	17.88	17.80	17.78	19.10
5	64QAM	1	12	17.88	17.77	17.69	19.10
5	64QAM	1	24	17.67	17.61	17.56	19.10
5	64QAM	12	0	18.17	18.17	18.08	19.10
5	64QAM	12	7	18.16	18.03	17.99	19.10
5	64QAM	12	13	18.07	17.99	18.04	19.10
5	64QAM	25	0	18.11	18.11	18.12	19.10
5	256QAM	1	0	18.02	18.04	17.91	19.10
5	256QAM	1	12	18.01	17.90	17.89	19.10
5	256QAM	1	24	17.86	17.92	17.88	19.10
5	256QAM	12	0	18.17	18.05	18.04	19.10
5	256QAM	12	7	18.10	18.06	17.95	19.10
5	256QAM	12	13	18.13	18.05	18.00	19.10
5	256QAM	25	0	17.99	18.05	17.93	19.10

【LTE Band 38_HPUE_Ant 2_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	26.29	26.33	26.21	26.90
20	QPSK	1	49	26.23	26.25	26.11	26.90
20	QPSK	1	99	26.18	26.18	26.06	26.90
20	QPSK	50	0	25.31	25.38	25.28	25.90
20	QPSK	50	24	25.26	25.34	25.24	25.90
20	QPSK	50	50	25.26	25.31	25.18	25.90
20	QPSK	100	0	25.26	25.32	25.21	25.90
20	16QAM	1	0	25.59	25.65	25.52	25.90
20	16QAM	1	49	25.58	25.58	25.44	25.90
20	16QAM	1	99	25.49	25.49	25.37	25.90
20	16QAM	50	0	24.32	24.39	24.27	24.90
20	16QAM	50	24	24.30	24.36	24.25	24.90
20	16QAM	50	50	24.28	24.31	24.19	24.90
20	16QAM	100	0	24.28	24.33	24.20	24.90
20	64QAM	1	0	24.33	24.39	24.26	24.90
20	64QAM	1	49	24.27	24.28	24.15	24.90
20	64QAM	1	99	24.20	24.21	24.07	24.90
20	64QAM	50	0	23.26	23.32	23.21	23.90
20	64QAM	50	24	23.23	23.30	23.18	23.90
20	64QAM	50	50	23.21	23.25	23.13	23.90
20	64QAM	100	0	23.23	23.28	23.17	23.90
20	256QAM	1	0	21.16	21.23	21.12	21.90
20	256QAM	1	49	21.11	21.17	21.06	21.90
20	256QAM	1	99	21.06	21.08	20.96	21.90
20	256QAM	50	0	21.29	21.36	21.25	21.90
20	256QAM	50	24	21.25	21.34	21.23	21.90
20	256QAM	50	50	21.25	21.29	21.18	21.90
20	256QAM	100	0	21.21	21.27	21.16	21.90
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	26.23	26.30	26.19	26.90
15	QPSK	1	37	26.20	26.13	26.07	26.90
15	QPSK	1	74	26.14	26.10	26.04	26.90
15	QPSK	36	0	25.28	25.33	25.18	25.90
15	QPSK	36	20	25.16	25.25	25.15	25.90



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15	QPSK	36	39	25.24	25.18	25.07	25.90
15	QPSK	75	0	25.14	25.31	25.11	25.90
15	16QAM	1	0	25.54	25.54	25.38	25.90
15	16QAM	1	37	25.47	25.49	25.32	25.90
15	16QAM	1	74	25.41	25.46	25.31	25.90
15	16QAM	36	0	24.27	24.31	24.14	24.90
15	16QAM	36	20	24.28	24.25	24.19	24.90
15	16QAM	36	39	24.24	24.22	24.07	24.90
15	16QAM	75	0	24.18	24.31	24.17	24.90
15	64QAM	1	0	24.28	24.38	24.13	24.90
15	64QAM	1	37	24.23	24.16	24.06	24.90
15	64QAM	1	74	24.09	24.16	24.00	24.90
15	64QAM	36	0	23.23	23.21	23.08	23.90
15	64QAM	36	20	23.09	23.24	23.11	23.90
15	64QAM	36	39	23.09	23.17	22.99	23.90
15	64QAM	75	0	23.15	23.24	23.05	23.90
15	256QAM	1	0	21.02	21.21	21.09	21.90
15	256QAM	1	37	21.03	21.14	21.02	21.90
15	256QAM	1	74	20.95	20.95	20.91	21.90
15	256QAM	36	0	21.21	21.32	21.21	21.90
15	256QAM	36	20	21.13	21.25	21.10	21.90
15	256QAM	36	39	21.19	21.21	21.10	21.90
15	256QAM	75	0	21.08	21.14	21.05	21.90
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	26.20	26.26	26.18	26.90
10	QPSK	1	25	26.11	26.11	26.04	26.90
10	QPSK	1	49	26.08	26.09	25.91	26.90
10	QPSK	25	0	25.19	25.34	25.15	25.90
10	QPSK	25	12	25.15	25.30	25.23	25.90
10	QPSK	25	25	25.13	25.22	25.10	25.90
10	QPSK	50	0	25.14	25.24	25.09	25.90
10	16QAM	1	0	25.53	25.62	25.46	25.90
10	16QAM	1	25	25.56	25.51	25.41	25.90
10	16QAM	1	49	25.42	25.36	25.24	25.90
10	16QAM	25	0	24.24	24.31	24.17	24.90
10	16QAM	25	12	24.29	24.34	24.17	24.90
10	16QAM	25	25	24.14	24.22	24.10	24.90
10	16QAM	50	0	24.22	24.27	24.17	24.90
10	64QAM	1	0	24.28	24.27	24.12	24.90
10	64QAM	1	25	24.17	24.25	24.01	24.90
10	64QAM	1	49	24.11	24.14	24.05	24.90
10	64QAM	25	0	23.20	23.19	23.08	23.90
10	64QAM	25	12	23.16	23.25	23.06	23.90
10	64QAM	25	25	23.07	23.18	23.04	23.90
10	64QAM	50	0	23.19	23.26	23.09	23.90
10	256QAM	1	0	21.08	21.10	21.01	21.90
10	256QAM	1	25	21.08	21.16	20.97	21.90
10	256QAM	1	49	20.99	21.06	20.94	21.90
10	256QAM	25	0	21.28	21.25	21.21	21.90
10	256QAM	25	12	21.15	21.32	21.17	21.90
10	256QAM	25	25	21.12	21.19	21.13	21.90
10	256QAM	50	0	21.09	21.18	21.12	21.90
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	26.16	26.28	26.13	26.90
5	QPSK	1	12	26.16	26.14	25.96	26.90
5	QPSK	1	24	26.13	26.15	25.97	26.90
5	QPSK	12	0	25.20	25.25	25.20	25.90
5	QPSK	12	7	25.11	25.20	25.14	25.90
5	QPSK	12	13	25.12	25.24	25.06	25.90
5	QPSK	25	0	25.24	25.29	25.18	25.90
5	16QAM	1	0	25.47	25.64	25.40	25.90
5	16QAM	1	12	25.46	25.44	25.42	25.90
5	16QAM	1	24	25.48	25.37	25.32	25.90
5	16QAM	12	0	24.22	24.34	24.17	24.90
5	16QAM	12	7	24.19	24.32	24.10	24.90
5	16QAM	12	13	24.27	24.28	24.04	24.90
5	16QAM	25	0	24.19	24.19	24.13	24.90
5	64QAM	1	0	24.27	24.38	24.16	24.90
5	64QAM	1	12	24.20	24.23	24.01	24.90
5	64QAM	1	24	24.09	24.11	24.06	24.90
5	64QAM	12	0	23.23	23.26	23.15	23.90
5	64QAM	12	7	23.22	23.22	23.17	23.90
5	64QAM	12	13	23.10	23.19	23.02	23.90
5	64QAM	25	0	23.08	23.18	23.08	23.90
5	256QAM	1	0	21.02	21.15	21.03	21.90
5	256QAM	1	12	20.99	21.04	21.04	21.90

5	256QAM	1	24	21.01	21.06	20.83	21.90
5	256QAM	12	0	21.24	21.23	21.14	21.90
5	256QAM	12	7	21.12	21.23	21.19	21.90
5	256QAM	12	13	21.14	21.17	21.11	21.90
5	256QAM	25	0	21.08	21.16	21.10	21.90

【LTE Band 38_HPUE_Ant 2_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.15	24.17	24.11	25.70
20	QPSK	1	49	24.14	24.14	24.01	25.70
20	QPSK	1	99	24.09	24.09	23.94	25.70
20	QPSK	50	0	24.10	24.15	24.09	25.70
20	QPSK	50	24	24.09	24.10	24.07	25.70
20	QPSK	50	50	24.05	24.08	24.06	25.70
20	QPSK	100	0	24.09	24.13	24.10	25.70
20	16QAM	1	0	24.11	24.15	24.03	25.70
20	16QAM	1	49	24.08	24.09	23.92	25.70
20	16QAM	1	99	24.01	24.01	23.86	25.70
20	16QAM	50	0	23.86	23.92	23.81	24.90
20	16QAM	50	24	24.09	24.13	24.16	24.90
20	16QAM	50	50	24.06	24.09	24.10	24.90
20	16QAM	100	0	24.07	24.10	24.12	24.90
20	64QAM	1	0	24.10	24.12	24.14	24.90
20	64QAM	1	49	24.12	24.13	24.06	24.90
20	64QAM	1	99	24.14	24.15	23.97	24.90
20	64QAM	50	0	23.21	23.27	23.14	23.90
20	64QAM	50	24	23.18	23.22	23.10	23.90
20	64QAM	50	50	23.17	23.19	23.05	23.90
20	64QAM	100	0	23.19	23.22	23.08	23.90
20	256QAM	1	0	21.11	21.17	21.06	21.90
20	256QAM	1	49	21.09	21.12	20.98	21.90
20	256QAM	1	99	21.00	21.01	20.87	21.90
20	256QAM	50	0	21.24	21.29	21.17	21.90
20	256QAM	50	24	21.22	21.26	21.14	21.90
20	256QAM	50	50	21.18	21.22	21.09	21.90
20	256QAM	100	0	21.16	21.19	21.07	21.90
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.02	24.04	24.03	25.70
15	QPSK	1	37	24.00	24.00	23.93	25.70
15	QPSK	1	74	24.02	23.95	23.86	25.70
15	QPSK	36	0	23.97	24.07	24.03	25.70
15	QPSK	36	20	24.02	24.06	24.04	25.70
15	QPSK	36	39	23.96	24.02	23.93	25.70
15	QPSK	75	0	23.96	24.03	24.01	25.70
15	16QAM	1	0	24.06	24.01	23.92	25.70
15	16QAM	1	37	24.04	24.00	23.91	25.70
15	16QAM	1	74	23.98	23.89	23.76	25.70
15	16QAM	36	0	23.74	23.83	23.78	24.90
15	16QAM	36	20	24.00	23.98	24.12	24.90
15	16QAM	36	39	23.94	24.06	24.01	24.90
15	16QAM	75	0	24.06	24.00	24.07	24.90
15	64QAM	1	0	24.00	24.11	24.09	24.90
15	64QAM	1	37	24.04	24.09	24.04	24.90
15	64QAM	1	74	24.07	24.01	23.87	24.90
15	64QAM	36	0	23.15	23.17	23.12	23.90
15	64QAM	36	20	23.12	23.11	23.02	23.90
15	64QAM	36	39	23.05	23.11	22.94	23.90
15	64QAM	75	0	23.07	23.19	23.06	23.90
15	256QAM	1	0	21.07	21.12	21.00	21.90
15	256QAM	1	37	20.97	21.05	20.94	21.90
15	256QAM	1	74	20.91	20.87	20.83	21.90
15	256QAM	36	0	21.12	21.25	21.16	21.90
15	256QAM	36	20	21.07	21.18	21.06	21.90
15	256QAM	36	39	21.10	21.09	20.95	21.90
15	256QAM	75	0	21.04	21.05	20.94	21.90
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.06	24.13	24.08	25.70
10	QPSK	1	25	24.08	24.11	23.90	25.70
10	QPSK	1	49	24.01	24.01	23.79	25.70
10	QPSK	25	0	24.08	24.11	23.97	25.70
10	QPSK	25	12	24.05	24.00	23.99	25.70

10	QPSK	25	25	24.03	23.96	23.93	25.70
10	QPSK	50	0	23.97	24.04	24.00	25.70
10	16QAM	1	0	24.09	24.02	24.00	25.70
10	16QAM	1	25	24.01	23.98	23.88	25.70
10	16QAM	1	49	23.97	23.98	23.78	25.70
10	16QAM	25	0	23.79	23.88	23.71	24.90
10	16QAM	25	12	24.00	24.02	24.15	24.90
10	16QAM	25	25	23.94	23.94	24.07	24.90
10	16QAM	50	0	23.99	24.03	24.10	24.90
10	64QAM	1	0	23.99	24.02	24.01	24.90
10	64QAM	1	25	24.00	24.01	23.96	24.90
10	64QAM	1	49	24.11	24.08	23.86	24.90
10	64QAM	25	0	23.15	23.14	23.08	23.90
10	64QAM	25	12	23.14	23.11	23.07	23.90
10	64QAM	25	25	23.09	23.13	23.00	23.90
10	64QAM	50	0	23.07	23.07	23.00	23.90
10	256QAM	1	0	21.02	21.10	20.96	21.90
10	256QAM	1	25	20.96	21.06	20.89	21.90
10	256QAM	1	49	20.88	20.93	20.81	21.90
10	256QAM	25	0	21.13	21.16	21.14	21.90
10	256QAM	25	12	21.10	21.25	21.08	21.90
10	256QAM	25	25	21.09	21.12	20.98	21.90
10	256QAM	50	0	21.10	21.10	21.03	21.90
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.01	24.07	24.02	25.70
5	QPSK	1	12	24.01	24.09	23.87	25.70
5	QPSK	1	24	24.08	24.02	23.87	25.70
5	QPSK	12	0	24.08	24.07	24.03	25.70
5	QPSK	12	7	24.03	23.96	24.02	25.70
5	QPSK	12	13	23.94	23.97	23.93	25.70
5	QPSK	25	0	23.96	23.99	24.01	25.70
5	16QAM	1	0	24.02	24.05	23.92	25.70
5	16QAM	1	12	23.95	24.02	23.79	25.70
5	16QAM	1	24	23.98	23.95	23.73	25.70
5	16QAM	12	0	23.77	23.90	23.77	24.90
5	16QAM	12	7	23.98	24.08	24.04	24.90
5	16QAM	12	13	24.00	24.03	24.02	24.90
5	16QAM	25	0	23.96	23.98	24.03	24.90
5	64QAM	1	0	24.08	23.98	24.01	24.90
5	64QAM	1	12	23.98	24.03	23.95	24.90
5	64QAM	1	24	24.08	24.01	23.90	24.90
5	64QAM	12	0	23.09	23.25	23.07	23.90
5	64QAM	12	7	23.04	23.18	23.06	23.90
5	64QAM	12	13	23.15	23.07	22.94	23.90
5	64QAM	25	0	23.05	23.18	23.04	23.90
5	256QAM	1	0	21.06	21.15	20.97	21.90
5	256QAM	1	12	21.02	21.03	20.89	21.90
5	256QAM	1	24	20.95	20.90	20.75	21.90
5	256QAM	12	0	21.10	21.21	21.08	21.90
5	256QAM	12	7	21.15	21.22	21.09	21.90
5	256QAM	12	13	21.16	21.14	20.95	21.90
5	256QAM	25	0	21.13	21.15	20.94	21.90

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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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.15	24.17	24.11	24.20
20	QPSK	1	49	24.14	24.14	24.01	24.20
20	QPSK	1	99	24.09	24.09	23.94	24.20
20	QPSK	50	0	24.10	24.15	24.09	24.20
20	QPSK	50	24	24.09	24.10	24.07	24.20
20	QPSK	50	50	24.05	24.08	24.06	24.20
20	QPSK	100	0	24.09	24.13	24.10	24.20
20	16QAM	1	0	24.11	24.15	24.03	24.20
20	16QAM	1	49	24.08	24.09	23.92	24.20
20	16QAM	1	99	24.01	24.01	23.86	24.20
20	16QAM	50	0	23.86	23.92	23.81	24.20
20	16QAM	50	24	24.09	24.13	24.16	24.20
20	16QAM	50	50	24.06	24.09	24.10	24.20
20	16QAM	100	0	24.07	24.10	24.12	24.20
20	64QAM	1	0	24.10	24.12	24.14	24.20
20	64QAM	1	49	24.12	24.13	24.06	24.20
20	64QAM	1	99	24.14	24.15	23.97	24.20



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20	64QAM	50	0	23.21	23.27	23.14	24.20
20	64QAM	50	24	23.18	23.22	23.10	24.20
20	64QAM	50	50	23.17	23.19	23.05	24.20
20	64QAM	100	0	23.19	23.22	23.08	23.90
20	256QAM	1	0	21.11	21.17	21.06	21.90
20	256QAM	1	49	21.09	21.12	20.98	21.90
20	256QAM	1	99	21.00	21.01	20.87	21.90
20	256QAM	50	0	21.24	21.29	21.17	21.90
20	256QAM	50	24	21.22	21.26	21.14	21.90
20	256QAM	50	50	21.18	21.22	21.09	21.90
20	256QAM	100	0	21.16	21.19	21.07	21.90
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	24.02	24.04	24.03	24.20
15	QPSK	1	37	24.00	24.00	23.93	24.20
15	QPSK	1	74	24.02	23.95	23.86	24.20
15	QPSK	36	0	23.97	24.07	24.03	24.20
15	QPSK	36	20	24.02	24.06	24.04	24.20
15	QPSK	36	39	23.96	24.02	23.93	24.20
15	QPSK	75	0	23.96	24.03	24.01	24.20
15	16QAM	1	0	24.06	24.01	23.92	24.20
15	16QAM	1	37	24.04	24.00	23.91	24.20
15	16QAM	1	74	23.98	23.89	23.76	24.20
15	16QAM	36	0	23.74	23.83	23.78	24.20
15	16QAM	36	20	24.00	23.98	24.12	24.20
15	16QAM	36	39	23.94	24.06	24.01	24.20
15	16QAM	75	0	24.06	24.00	24.07	24.20
15	64QAM	1	0	24.00	24.11	24.09	24.20
15	64QAM	1	37	24.04	24.09	24.04	24.20
15	64QAM	1	74	24.07	24.01	23.87	24.20
15	64QAM	36	0	23.15	23.17	23.12	24.20
15	64QAM	36	20	23.12	23.11	23.02	24.20
15	64QAM	36	39	23.05	23.11	22.94	24.20
15	64QAM	75	0	23.07	23.19	23.06	23.90
15	256QAM	1	0	21.07	21.12	21.00	21.90
15	256QAM	1	37	20.97	21.05	20.94	21.90
15	256QAM	1	74	20.91	20.87	20.83	21.90
15	256QAM	36	0	21.12	21.25	21.16	21.90
15	256QAM	36	20	21.07	21.18	21.06	21.90
15	256QAM	36	39	21.10	21.09	20.95	21.90
15	256QAM	75	0	21.04	21.05	20.94	21.90
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	24.06	24.13	24.08	24.20
10	QPSK	1	25	24.08	24.11	23.90	24.20
10	QPSK	1	49	24.01	24.01	23.79	24.20
10	QPSK	25	0	24.08	24.11	23.97	24.20
10	QPSK	25	12	24.05	24.00	23.99	24.20
10	QPSK	25	25	24.03	23.96	23.93	24.20
10	QPSK	50	0	23.97	24.04	24.00	24.20
10	16QAM	1	0	24.09	24.02	24.00	24.20
10	16QAM	1	25	24.01	23.98	23.88	24.20
10	16QAM	1	49	23.97	23.98	23.78	24.20
10	16QAM	25	0	23.79	23.88	23.71	24.20
10	16QAM	25	12	24.00	24.02	24.15	24.20
10	16QAM	25	25	23.94	23.94	24.07	24.20
10	16QAM	50	0	23.99	24.03	24.10	24.20
10	64QAM	1	0	23.99	24.02	24.01	24.20
10	64QAM	1	25	24.00	24.01	23.96	24.20
10	64QAM	1	49	24.11	24.08	23.86	24.20
10	64QAM	25	0	23.15	23.14	23.08	24.20
10	64QAM	25	12	23.14	23.11	23.07	24.20
10	64QAM	25	25	23.09	23.13	23.00	24.20
10	64QAM	50	0	23.07	23.07	23.00	23.90
10	256QAM	1	0	21.02	21.10	20.96	21.90
10	256QAM	1	25	20.96	21.06	20.89	21.90
10	256QAM	1	49	20.88	20.93	20.81	21.90
10	256QAM	25	0	21.13	21.16	21.14	21.90
10	256QAM	25	12	21.10	21.25	21.08	21.90
10	256QAM	25	25	21.09	21.12	20.98	21.90
10	256QAM	50	0	21.10	21.10	21.03	21.90
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	24.01	24.07	24.02	24.20
5	QPSK	1	12	24.01	24.09	23.87	24.20
5	QPSK	1	24	24.08	24.02	23.87	24.20
5	QPSK	12	0	24.08	24.07	24.03	24.20
5	QPSK	12	7	24.03	23.96	24.02	24.20

5	QPSK	12	13	23.94	23.97	23.93	24.20
5	QPSK	25	0	23.96	23.99	24.01	24.20
5	16QAM	1	0	24.02	24.05	23.92	24.20
5	16QAM	1	12	23.95	24.02	23.79	24.20
5	16QAM	1	24	23.98	23.95	23.73	24.20
5	16QAM	12	0	23.77	23.90	23.77	24.20
5	16QAM	12	7	23.98	24.08	24.04	24.20
5	16QAM	12	13	24.00	24.03	24.02	24.20
5	16QAM	25	0	23.96	23.98	24.03	24.20
5	64QAM	1	0	24.08	23.98	24.01	24.20
5	64QAM	1	12	23.98	24.03	23.95	24.20
5	64QAM	1	24	24.08	24.01	23.90	24.20
5	64QAM	12	0	23.09	23.25	23.07	24.20
5	64QAM	12	7	23.04	23.18	23.06	24.20
5	64QAM	12	13	23.15	23.07	22.94	24.20
5	64QAM	25	0	23.05	23.18	23.04	23.90
5	256QAM	1	0	21.06	21.15	20.97	21.90
5	256QAM	1	12	21.02	21.03	20.89	21.90
5	256QAM	1	24	20.95	20.90	20.75	21.90
5	256QAM	12	0	21.10	21.21	21.08	21.90
5	256QAM	12	7	21.15	21.22	21.09	21.90
5	256QAM	12	13	21.16	21.14	20.95	21.90
5	256QAM	25	0	21.13	21.15	20.94	21.90

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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				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.75	19.74	19.68	20.70
20	QPSK	1	49	19.59	19.56	19.52	20.70
20	QPSK	1	99	19.61	19.55	19.49	20.70
20	QPSK	50	0	19.66	19.65	19.61	20.70
20	QPSK	50	24	19.64	19.59	19.56	20.70
20	QPSK	50	50	19.62	19.57	19.52	20.70
20	QPSK	100	0	19.65	19.62	19.55	20.70
20	16QAM	1	0	19.61	19.58	19.55	20.70
20	16QAM	1	49	19.53	19.54	19.46	20.70
20	16QAM	1	99	19.54	19.51	19.45	20.70
20	16QAM	50	0	19.57	19.65	19.54	20.70
20	16QAM	50	24	19.57	19.54	19.51	20.70
20	16QAM	50	50	19.55	19.57	19.44	20.70
20	16QAM	100	0	19.58	19.56	19.55	20.70
20	64QAM	1	0	19.65	19.60	19.61	20.70
20	64QAM	1	49	19.54	19.56	19.43	20.70
20	64QAM	1	99	19.54	19.55	19.45	20.70
20	64QAM	50	0	19.64	19.59	19.61	20.70
20	64QAM	50	24	19.57	19.56	19.47	20.70
20	64QAM	50	50	19.55	19.50	19.47	20.70
20	64QAM	100	0	19.59	19.57	19.50	20.70
20	256QAM	1	0	19.64	19.59	19.61	20.70
20	256QAM	1	49	19.53	19.52	19.52	20.70
20	256QAM	1	99	19.59	19.55	19.42	20.70
20	256QAM	50	0	19.58	19.62	19.61	20.70
20	256QAM	50	24	19.57	19.58	19.50	20.70
20	256QAM	50	50	19.52	19.55	19.51	20.70
20	256QAM	100	0	19.55	19.52	19.51	20.70
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.71	19.64	19.57	20.70
15	QPSK	1	37	19.51	19.52	19.48	20.70
15	QPSK	1	74	19.50	19.46	19.35	20.70
15	QPSK	36	0	19.57	19.63	19.54	20.70
15	QPSK	36	20	19.54	19.55	19.53	20.70
15	QPSK	36	39	19.51	19.43	19.39	20.70
15	QPSK	75	0	19.53	19.51	19.49	20.70
15	16QAM	1	0	19.52	19.47	19.47	20.70
15	16QAM	1	37	19.44	19.46	19.39	20.70
15	16QAM	1	74	19.45	19.45	19.32	20.70
15	16QAM	36	0	19.44	19.56	19.49	20.70
15	16QAM	36	20	19.54	19.46	19.45	20.70
15	16QAM	36	39	19.45	19.43	19.37	20.70
15	16QAM	75	0	19.44	19.51	19.51	20.70
15	64QAM	1	0	19.55	19.56	19.49	20.70
15	64QAM	1	37	19.41	19.46	19.40	20.70
15	64QAM	1	74	19.43	19.45	19.37	20.70



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15	64QAM	36	0	19.57	19.46	19.57	20.70
15	64QAM	36	20	19.46	19.55	19.44	20.70
15	64QAM	36	39	19.44	19.40	19.43	20.70
15	64QAM	75	0	19.51	19.54	19.49	20.70
15	256QAM	1	0	19.53	19.44	19.48	20.70
15	256QAM	1	37	19.42	19.49	19.50	20.70
15	256QAM	1	74	19.54	19.51	19.41	20.70
15	256QAM	36	0	19.46	19.60	19.54	20.70
15	256QAM	36	20	19.47	19.46	19.37	20.70
15	256QAM	36	39	19.38	19.44	19.39	20.70
15	256QAM	75	0	19.44	19.42	19.38	20.70
Channel				37800	38000	38200	Tune-up limit
Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	19.68	19.70	19.56	20.70
10	QPSK	1	25	19.47	19.53	19.47	20.70
10	QPSK	1	49	19.49	19.49	19.41	20.70
10	QPSK	25	0	19.55	19.59	19.54	20.70
10	QPSK	25	12	19.50	19.47	19.43	20.70
10	QPSK	25	25	19.48	19.53	19.45	20.70
10	QPSK	50	0	19.62	19.61	19.52	20.70
10	16QAM	1	0	19.54	19.48	19.43	20.70
10	16QAM	1	25	19.40	19.48	19.36	20.70
10	16QAM	1	49	19.49	19.41	19.33	20.70
10	16QAM	25	0	19.53	19.54	19.51	20.70
10	16QAM	25	12	19.46	19.48	19.45	20.70
10	16QAM	25	25	19.42	19.55	19.31	20.70
10	16QAM	50	0	19.46	19.42	19.41	20.70
10	64QAM	1	0	19.55	19.53	19.53	20.70
10	64QAM	1	25	19.41	19.53	19.39	20.70
10	64QAM	1	49	19.42	19.44	19.33	20.70
10	64QAM	25	0	19.51	19.47	19.58	20.70
10	64QAM	25	12	19.43	19.43	19.35	20.70
10	64QAM	25	25	19.54	19.48	19.38	20.70
10	64QAM	50	0	19.49	19.55	19.48	20.70
10	256QAM	1	0	19.61	19.50	19.58	20.70
10	256QAM	1	25	19.41	19.38	19.39	20.70
10	256QAM	1	49	19.45	19.49	19.31	20.70
10	256QAM	25	0	19.52	19.48	19.48	20.70
10	256QAM	25	12	19.51	19.53	19.38	20.70
10	256QAM	25	25	19.50	19.51	19.44	20.70
10	256QAM	50	0	19.41	19.42	19.36	20.70
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.64	19.61	19.56	20.70
5	QPSK	1	12	19.46	19.41	19.38	20.70
5	QPSK	1	24	19.49	19.53	19.45	20.70
5	QPSK	12	0	19.61	19.60	19.47	20.70
5	QPSK	12	7	19.61	19.51	19.51	20.70
5	QPSK	12	13	19.50	19.52	19.50	20.70
5	QPSK	25	0	19.51	19.58	19.44	20.70
5	16QAM	1	0	19.51	19.52	19.52	20.70
5	16QAM	1	12	19.49	19.44	19.40	20.70
5	16QAM	1	24	19.52	19.50	19.41	20.70
5	16QAM	12	0	19.46	19.58	19.52	20.70
5	16QAM	12	7	19.51	19.47	19.36	20.70
5	16QAM	12	13	19.46	19.51	19.34	20.70
5	16QAM	25	0	19.52	19.41	19.47	20.70
5	64QAM	1	0	19.57	19.54	19.57	20.70
5	64QAM	1	12	19.49	19.55	19.34	20.70
5	64QAM	1	24	19.46	19.54	19.44	20.70
5	64QAM	12	0	19.52	19.49	19.55	20.70
5	64QAM	12	7	19.45	19.51	19.39	20.70
5	64QAM	12	13	19.43	19.45	19.43	20.70
5	64QAM	25	0	19.47	19.47	19.40	20.70
5	256QAM	1	0	19.51	19.44	19.52	20.70
5	256QAM	1	12	19.51	19.41	19.46	20.70
5	256QAM	1	24	19.44	19.53	19.40	20.70
5	256QAM	12	0	19.54	19.49	19.47	20.70
5	256QAM	12	7	19.47	19.54	19.47	20.70
5	256QAM	12	13	19.49	19.47	19.36	20.70
5	256QAM	25	0	19.51	19.40	19.41	20.70

【LTE Band 38 HPUE_Ant 2_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.75	19.74	19.68	20.00
20	QPSK	1	49	19.59	19.56	19.52	20.00
20	QPSK	1	99	19.61	19.55	19.49	20.00
20	QPSK	50	0	19.66	19.65	19.61	20.00
20	QPSK	50	24	19.64	19.59	19.56	20.00
20	QPSK	50	50	19.62	19.57	19.52	20.00
20	QPSK	100	0	19.65	19.62	19.55	20.00
20	16QAM	1	0	19.61	19.58	19.55	20.00
20	16QAM	1	49	19.53	19.54	19.46	20.00
20	16QAM	1	99	19.54	19.51	19.45	20.00
20	16QAM	50	0	19.57	19.65	19.54	20.00
20	16QAM	50	24	19.57	19.54	19.51	20.00
20	16QAM	50	50	19.55	19.57	19.44	20.00
20	16QAM	100	0	19.58	19.56	19.55	20.00
20	64QAM	1	0	19.65	19.60	19.61	20.00
20	64QAM	1	49	19.54	19.56	19.43	20.00
20	64QAM	1	99	19.54	19.55	19.45	20.00
20	64QAM	50	0	19.64	19.59	19.61	20.00
20	64QAM	50	24	19.57	19.56	19.47	20.00
20	64QAM	50	50	19.55	19.50	19.47	20.00
20	64QAM	100	0	19.59	19.57	19.50	20.00
20	256QAM	1	0	19.64	19.59	19.61	20.00
20	256QAM	1	49	19.53	19.52	19.52	20.00
20	256QAM	1	99	19.59	19.55	19.42	20.00
20	256QAM	50	0	19.58	19.62	19.61	20.00
20	256QAM	50	24	19.57	19.58	19.50	20.00
20	256QAM	50	50	19.52	19.55	19.51	20.00
20	256QAM	100	0	19.55	19.52	19.51	20.00
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.71	19.65	19.57	20.00
15	QPSK	1	37	19.56	19.50	19.48	20.00
15	QPSK	1	74	19.56	19.43	19.42	20.00
15	QPSK	36	0	19.64	19.61	19.58	20.00
15	QPSK	36	20	19.49	19.54	19.51	20.00
15	QPSK	36	39	19.49	19.47	19.40	20.00
15	QPSK	75	0	19.61	19.55	19.52	20.00
15	16QAM	1	0	19.55	19.57	19.51	20.00
15	16QAM	1	37	19.38	19.41	19.39	20.00
15	16QAM	1	74	19.41	19.47	19.32	20.00
15	16QAM	36	0	19.43	19.60	19.40	20.00
15	16QAM	36	20	19.47	19.43	19.38	20.00
15	16QAM	36	39	19.48	19.49	19.40	20.00
15	16QAM	75	0	19.52	19.49	19.46	20.00
15	64QAM	1	0	19.57	19.55	19.53	20.00
15	64QAM	1	37	19.50	19.51	19.38	20.00
15	64QAM	1	74	19.43	19.52	19.38	20.00
15	64QAM	36	0	19.59	19.56	19.57	20.00
15	64QAM	36	20	19.43	19.52	19.37	20.00
15	64QAM	36	39	19.46	19.40	19.36	20.00
15	64QAM	75	0	19.50	19.48	19.47	20.00
15	256QAM	1	0	19.54	19.51	19.52	20.00
15	256QAM	1	37	19.46	19.39	19.39	20.00
15	256QAM	1	74	19.46	19.49	19.33	20.00
15	256QAM	36	0	19.55	19.52	19.51	20.00
15	256QAM	36	20	19.43	19.50	19.38	20.00
15	256QAM	36	39	19.51	19.50	19.46	20.00
15	256QAM	75	0	19.46	19.46	19.49	20.00
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.63	19.62	19.55	20.00
10	QPSK	1	25	19.54	19.41	19.39	20.00
10	QPSK	1	49	19.50	19.45	19.43	20.00
10	QPSK	25	0	19.54	19.53	19.54	20.00
10	QPSK	25	12	19.60	19.51	19.47	20.00
10	QPSK	25	25	19.54	19.56	19.41	20.00
10	QPSK	50	0	19.61	19.59	19.45	20.00
10	16QAM	1	0	19.54	19.46	19.49	20.00
10	16QAM	1	25	19.44	19.47	19.32	20.00
10	16QAM	1	49	19.49	19.42	19.31	20.00
10	16QAM	25	0	19.55	19.57	19.52	20.00

10	16QAM	25	12	19.49	19.51	19.50	20.00
10	16QAM	25	25	19.51	19.48	19.33	20.00
10	16QAM	50	0	19.50	19.54	19.50	20.00
10	64QAM	1	0	19.55	19.45	19.46	20.00
10	64QAM	1	25	19.47	19.47	19.34	20.00
10	64QAM	1	49	19.47	19.41	19.35	20.00
10	64QAM	25	0	19.51	19.51	19.58	20.00
10	64QAM	25	12	19.52	19.43	19.42	20.00
10	64QAM	25	25	19.43	19.37	19.42	20.00
10	64QAM	50	0	19.51	19.44	19.48	20.00
10	256QAM	1	0	19.60	19.49	19.55	20.00
10	256QAM	1	25	19.45	19.45	19.41	20.00
10	256QAM	1	49	19.50	19.46	19.31	20.00
10	256QAM	25	0	19.53	19.52	19.52	20.00
10	256QAM	25	12	19.46	19.46	19.37	20.00
10	256QAM	25	25	19.45	19.53	19.47	20.00
10	256QAM	50	0	19.42	19.46	19.43	20.00
Channel				37775	38000	38225	Tune-up limit
Frequency (MHz)				2572.5	2595	2617.5	(dBm)
5	QPSK	1	0	19.64	19.60	19.58	20.00
5	QPSK	1	12	19.49	19.53	19.47	20.00
5	QPSK	1	24	19.54	19.43	19.37	20.00
5	QPSK	12	0	19.64	19.59	19.46	20.00
5	QPSK	12	7	19.61	19.57	19.42	20.00
5	QPSK	12	13	19.49	19.56	19.43	20.00
5	QPSK	25	0	19.50	19.58	19.49	20.00
5	16QAM	1	0	19.51	19.55	19.48	20.00
5	16QAM	1	12	19.40	19.46	19.37	20.00
5	16QAM	1	24	19.52	19.46	19.35	20.00
5	16QAM	12	0	19.50	19.60	19.48	20.00
5	16QAM	12	7	19.49	19.39	19.46	20.00
5	16QAM	12	13	19.48	19.51	19.36	20.00
5	16QAM	25	0	19.56	19.46	19.52	20.00
5	64QAM	1	0	19.56	19.47	19.51	20.00
5	64QAM	1	12	19.44	19.52	19.38	20.00
5	64QAM	1	24	19.44	19.53	19.43	20.00
5	64QAM	12	0	19.63	19.57	19.56	20.00
5	64QAM	12	7	19.46	19.44	19.34	20.00
5	64QAM	12	13	19.48	19.47	19.32	20.00
5	64QAM	25	0	19.49	19.48	19.37	20.00
5	256QAM	1	0	19.59	19.47	19.47	20.00
5	256QAM	1	12	19.48	19.40	19.40	20.00
5	256QAM	1	24	19.50	19.51	19.36	20.00
5	256QAM	12	0	19.54	19.60	19.57	20.00
5	256QAM	12	7	19.42	19.45	19.36	20.00
5	256QAM	12	13	19.43	19.44	19.40	20.00
5	256QAM	25	0	19.50	19.51	19.40	20.00

【LTE Band 41_FCC (2496~2690MHz)_Ant

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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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.81	23.80	23.84	23.87	24.60
20	QPSK	1	49	23.34	23.35	23.39	23.42	23.46	24.60
20	QPSK	1	99	23.49	23.48	23.49	23.48	23.53	24.60
20	QPSK	50	0	21.75	21.77	21.79	21.85	21.87	23.60
20	QPSK	50	24	21.66	21.67	21.62	21.63	21.69	23.60
20	QPSK	50	50	21.64	21.63	21.64	21.67	21.68	23.60
20	QPSK	100	0	21.68	21.64	21.65	21.68	21.71	23.60
20	16QAM	1	0	21.69	21.73	21.73	21.77	21.81	23.60
20	16QAM	1	49	21.76	21.86	21.82	21.88	21.88	23.60
20	16QAM	1	99	21.77	21.61	21.72	21.78	21.74	23.60
20	16QAM	50	0	21.70	21.72	21.76	21.77	21.71	22.60
20	16QAM	50	24	21.62	21.69	21.64	21.69	21.79	22.60
20	16QAM	50	50	21.71	21.63	21.66	21.72	21.68	22.60
20	16QAM	100	0	21.73	21.59	21.62	21.73	21.70	22.60
20	64QAM	1	0	21.20	21.33	21.35	21.38	21.42	22.60
20	64QAM	1	49	21.35	21.39	21.46	21.41	21.51	22.60
20	64QAM	1	99	21.25	21.16	21.17	21.22	21.31	22.60
20	64QAM	50	0	20.68	20.61	20.73	20.78	20.66	21.60
20	64QAM	50	24	20.64	20.61	20.72	20.71	20.71	21.60
20	64QAM	50	50	20.64	20.56	20.63	20.65	20.72	21.60
20	64QAM	100	0	20.68	20.61	20.60	20.68	20.64	21.60
20	256QAM	1	0	18.75	18.72	18.75	18.79	18.91	19.60

20	256QAM	1	49	18.77	18.73	18.69	18.77	18.73	19.60
20	256QAM	1	99	18.78	18.63	18.62	18.69	18.67	19.60
20	256QAM	50	0	18.93	18.94	18.92	19.00	19.02	19.60
20	256QAM	50	24	18.89	18.92	18.90	18.96	18.99	19.60
20	256QAM	50	50	18.95	18.87	18.87	18.93	18.95	19.60
20	256QAM	100	0	18.90	18.89	18.86	18.95	18.95	19.60
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.72	23.84	23.78	23.82	23.86	24.60
15	QPSK	1	37	23.60	23.78	23.71	23.81	23.76	24.60
15	QPSK	1	74	23.75	23.73	23.75	23.79	23.83	24.60
15	QPSK	36	0	21.82	21.90	21.84	21.90	21.95	23.60
15	QPSK	36	20	21.78	21.85	21.80	21.87	21.92	23.60
15	QPSK	36	39	21.81	21.82	21.80	21.84	21.91	23.60
15	QPSK	75	0	21.81	21.86	21.84	21.91	21.93	23.60
15	16QAM	1	0	21.85	21.96	21.87	21.96	22.02	23.60
15	16QAM	1	37	21.99	22.06	22.07	22.08	22.19	23.60
15	16QAM	1	74	21.87	21.85	21.82	21.86	22.02	23.60
15	16QAM	36	0	21.73	21.83	21.77	21.85	21.90	22.60
15	16QAM	36	20	21.73	21.79	21.74	21.80	21.88	22.60
15	16QAM	36	39	21.76	21.76	21.74	21.79	21.88	22.60
15	16QAM	75	0	21.85	21.89	21.87	21.92	21.96	22.60
15	64QAM	1	0	21.32	21.47	21.41	21.50	21.52	22.60
15	64QAM	1	37	21.29	21.36	21.39	21.43	21.44	22.60
15	64QAM	1	74	21.36	21.36	21.31	21.41	21.47	22.60
15	64QAM	36	0	20.66	20.76	20.74	20.80	20.80	21.60
15	64QAM	36	20	20.66	20.73	20.72	20.76	20.78	21.60
15	64QAM	36	39	20.67	20.71	20.69	20.74	20.75	21.60
15	64QAM	75	0	20.68	20.73	20.71	20.77	20.78	21.60
15	256QAM	1	0	18.60	18.73	18.71	18.78	18.76	19.60
15	256QAM	1	37	18.28	18.45	18.35	18.52	18.44	19.60
15	256QAM	1	74	18.63	18.64	18.56	18.68	18.65	19.60
15	256QAM	36	0	18.80	18.91	18.86	18.95	18.93	19.60
15	256QAM	36	20	18.80	18.86	18.84	18.91	18.89	19.60
15	256QAM	36	39	18.82	18.85	18.82	18.90	18.90	19.60
15	256QAM	75	0	18.80	18.87	18.78	18.92	18.89	19.60
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.72	23.69	23.75	23.81	24.60
10	QPSK	1	25	23.58	23.64	23.64	23.69	23.74	24.60
10	QPSK	1	49	23.67	23.70	23.68	23.70	23.82	24.60
10	QPSK	25	0	21.75	21.85	21.82	21.87	21.90	23.60
10	QPSK	25	12	21.75	21.80	21.80	21.84	21.87	23.60
10	QPSK	25	25	21.77	21.80	21.79	21.84	21.88	23.60
10	QPSK	50	0	21.77	21.81	21.80	21.86	21.85	23.60
10	16QAM	1	0	21.79	21.91	21.82	21.89	22.00	23.60
10	16QAM	1	25	21.79	21.88	21.81	21.83	22.00	23.60
10	16QAM	1	49	21.77	21.79	21.75	21.81	21.95	23.60
10	16QAM	25	0	21.75	21.83	21.80	21.86	21.92	22.60
10	16QAM	25	12	21.73	21.81	21.79	21.83	21.90	22.60
10	16QAM	25	25	21.75	21.79	21.77	21.84	21.90	22.60
10	16QAM	50	0	21.77	21.83	21.82	21.88	21.91	22.60
10	64QAM	1	0	21.31	21.44	21.40	21.47	21.53	22.60
10	64QAM	1	25	20.81	20.87	21.43	20.89	20.96	22.60
10	64QAM	1	49	21.31	21.34	21.34	21.39	21.47	22.60
10	64QAM	25	0	20.68	20.78	20.73	20.79	20.84	21.60
10	64QAM	25	12	20.67	20.76	20.72	20.75	20.82	21.60
10	64QAM	25	25	20.68	20.74	20.72	20.76	20.83	21.60
10	64QAM	50	0	20.68	20.76	20.72	20.78	20.83	21.60
10	256QAM	1	0	18.52	18.62	18.61	18.68	18.67	19.60
10	256QAM	1	25	18.53	18.58	18.54	18.62	18.60	19.60
10	256QAM	1	49	18.58	18.60	18.58	18.58	18.65	19.60
10	256QAM	25	0	18.72	18.82	18.80	18.87	18.85	19.60
10	256QAM	25	12	18.71	18.77	18.75	18.84	18.81	19.60
10	256QAM	25	25	18.73	18.78	18.75	18.83	18.81	19.60
10	256QAM	50	0	18.80	18.84	18.82	18.90	18.95	19.60
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.62	23.71	23.72	23.76	23.82	24.60
5	QPSK	1	12	23.73	23.59	23.48	23.66	23.61	24.60
5	QPSK	1	24	23.61	23.68	23.64	23.70	23.75	24.60
5	QPSK	12	0	21.72	21.78	21.80	21.86	21.91	23.60
5	QPSK	12	7	21.69	21.74	21.80	21.82	21.84	23.60
5	QPSK	12	13	21.73	21.76	21.78	21.85	21.87	23.60
5	QPSK	25	0	21.73	21.79	21.83	21.86	21.89	23.60

5	16QAM	1	0	21.69	21.77	21.73	21.80	21.92	23.60
5	16QAM	1	12	21.90	21.98	21.90	21.99	22.16	23.60
5	16QAM	1	24	21.73	21.78	21.75	21.82	21.94	23.60
5	16QAM	12	0	21.69	21.76	21.78	21.82	21.87	22.60
5	16QAM	12	7	21.66	21.73	21.78	21.79	21.84	22.60
5	16QAM	12	13	21.69	21.74	21.76	21.81	21.85	22.60
5	16QAM	25	0	21.72	21.79	21.81	21.84	21.88	22.60
5	64QAM	1	0	21.25	21.35	21.34	21.43	21.46	22.60
5	64QAM	1	12	21.30	21.46	21.39	21.40	21.44	22.60
5	64QAM	1	24	21.27	21.34	21.35	21.41	21.48	22.60
5	64QAM	12	0	20.66	20.75	20.74	20.79	20.84	21.60
5	64QAM	12	7	20.64	20.71	20.72	20.77	20.80	21.60
5	64QAM	12	13	20.65	20.73	20.72	20.78	20.84	21.60
5	64QAM	25	0	20.66	20.72	20.71	20.75	20.82	21.60
5	256QAM	1	0	18.52	18.60	18.59	18.68	18.65	19.60
5	256QAM	1	12	18.23	18.30	18.22	18.39	18.29	19.60
5	256QAM	1	24	18.46	18.56	18.54	18.61	18.59	19.60
5	256QAM	12	0	18.78	18.85	18.86	18.93	18.91	19.60
5	256QAM	12	7	18.79	18.87	18.86	18.94	18.91	19.60
5	256QAM	12	13	18.77	18.83	18.84	18.91	18.90	19.60
5	256QAM	25	0	18.70	18.77	18.78	18.85	18.81	19.60

【LTE Band 41__FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.81	23.80	23.83	23.87	24.60
20	QPSK	1	49	23.34	23.35	23.39	23.42	23.46	24.60
20	QPSK	1	99	23.49	23.48	23.49	23.48	23.53	24.60
20	QPSK	50	0	21.75	21.77	21.79	21.82	21.85	23.60
20	QPSK	50	24	21.66	21.67	21.62	21.63	21.69	23.60
20	QPSK	50	50	21.64	21.63	21.64	21.67	21.68	23.60
20	QPSK	100	0	21.68	21.64	21.65	21.68	21.71	23.60
20	16QAM	1	0	21.69	21.73	21.73	21.77	21.81	23.60
20	16QAM	1	49	21.76	21.86	21.82	21.88	21.88	23.60
20	16QAM	1	99	21.77	21.61	21.72	21.78	21.74	23.60
20	16QAM	50	0	21.70	21.72	21.76	21.77	21.71	22.60
20	16QAM	50	24	21.62	21.69	21.64	21.69	21.79	22.60
20	16QAM	50	50	21.71	21.63	21.66	21.72	21.68	22.60
20	16QAM	100	0	21.73	21.59	21.62	21.73	21.70	22.60
20	64QAM	1	0	21.20	21.33	21.35	21.38	21.42	22.60
20	64QAM	1	49	21.35	21.39	21.46	21.41	21.51	22.60
20	64QAM	1	99	21.25	21.16	21.17	21.22	21.31	22.60
20	64QAM	50	0	20.68	20.61	20.73	20.78	20.66	21.60
20	64QAM	50	24	20.64	20.61	20.72	20.71	20.71	21.60
20	64QAM	50	50	20.64	20.56	20.63	20.65	20.72	21.60
20	64QAM	100	0	20.68	20.61	20.60	20.68	20.64	21.60
20	256QAM	1	0	18.75	18.72	18.75	18.79	18.91	19.60
20	256QAM	1	49	18.77	18.73	18.69	18.77	18.73	19.60
20	256QAM	1	99	18.78	18.63	18.62	18.69	18.67	19.60
20	256QAM	50	0	18.93	18.94	18.92	19.00	19.02	19.60
20	256QAM	50	24	18.89	18.92	18.90	18.96	18.99	19.60
20	256QAM	50	50	18.95	18.87	18.87	18.93	18.95	19.60
20	256QAM	100	0	18.90	18.89	18.86	18.95	18.95	19.60
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.72	23.84	23.78	23.82	23.86	24.60
15	QPSK	1	37	23.60	23.78	23.71	23.81	23.76	24.60
15	QPSK	1	74	23.75	23.73	23.75	23.79	23.83	24.60
15	QPSK	36	0	21.82	21.90	21.84	21.90	21.95	23.60
15	QPSK	36	20	21.78	21.85	21.80	21.87	21.92	23.60
15	QPSK	36	39	21.81	21.82	21.80	21.84	21.91	23.60
15	QPSK	75	0	21.81	21.86	21.84	21.91	21.93	23.60
15	16QAM	1	0	21.85	21.96	21.87	21.96	22.02	23.60
15	16QAM	1	37	21.99	22.06	22.07	22.08	22.19	23.60
15	16QAM	1	74	21.87	21.85	21.82	21.86	22.02	23.60
15	16QAM	36	0	21.73	21.83	21.77	21.85	21.90	22.60
15	16QAM	36	20	21.73	21.79	21.74	21.80	21.88	22.60
15	16QAM	36	39	21.76	21.76	21.74	21.79	21.88	22.60
15	16QAM	75	0	21.85	21.89	21.87	21.92	21.96	22.60
15	64QAM	1	0	21.32	21.47	21.41	21.50	21.52	22.60
15	64QAM	1	37	21.29	21.36	21.39	21.43	21.44	22.60
15	64QAM	1	74	21.36	21.36	21.31	21.41	21.47	22.60

15	64QAM	36	0	20.66	20.76	20.74	20.80	20.80	21.60
15	64QAM	36	20	20.66	20.73	20.72	20.76	20.78	21.60
15	64QAM	36	39	20.67	20.71	20.69	20.74	20.75	21.60
15	64QAM	75	0	20.68	20.73	20.71	20.77	20.78	21.60
15	256QAM	1	0	18.60	18.73	18.71	18.78	18.76	19.60
15	256QAM	1	37	18.28	18.45	18.35	18.52	18.44	19.60
15	256QAM	1	74	18.63	18.64	18.56	18.68	18.65	19.60
15	256QAM	36	0	18.80	18.91	18.86	18.95	18.93	19.60
15	256QAM	36	20	18.80	18.86	18.84	18.91	18.89	19.60
15	256QAM	36	39	18.82	18.85	18.82	18.90	18.90	19.60
15	256QAM	75	0	18.80	18.87	18.78	18.92	18.89	19.60
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.72	23.69	23.75	23.81	24.60
10	QPSK	1	25	23.58	23.64	23.64	23.69	23.74	24.60
10	QPSK	1	49	23.67	23.70	23.68	23.70	23.82	24.60
10	QPSK	25	0	21.75	21.85	21.82	21.87	21.90	23.60
10	QPSK	25	12	21.75	21.80	21.80	21.84	21.87	23.60
10	QPSK	25	25	21.77	21.80	21.79	21.84	21.88	23.60
10	QPSK	50	0	21.77	21.81	21.80	21.86	21.85	23.60
10	16QAM	1	0	21.79	21.91	21.82	21.89	22.00	23.60
10	16QAM	1	25	21.79	21.88	21.81	21.83	22.00	23.60
10	16QAM	1	49	21.77	21.79	21.75	21.81	21.95	23.60
10	16QAM	25	0	21.75	21.83	21.80	21.86	21.92	22.60
10	16QAM	25	12	21.73	21.81	21.79	21.83	21.90	22.60
10	16QAM	25	25	21.75	21.79	21.77	21.84	21.90	22.60
10	16QAM	50	0	21.77	21.83	21.82	21.88	21.91	22.60
10	64QAM	1	0	21.31	21.44	21.40	21.47	21.53	22.60
10	64QAM	1	25	20.81	20.87	21.43	20.89	20.96	22.60
10	64QAM	1	49	21.31	21.34	21.34	21.39	21.47	22.60
10	64QAM	25	0	20.68	20.78	20.73	20.79	20.84	21.60
10	64QAM	25	12	20.67	20.76	20.72	20.75	20.82	21.60
10	64QAM	25	25	20.68	20.74	20.72	20.76	20.83	21.60
10	64QAM	50	0	20.68	20.76	20.72	20.78	20.83	21.60
10	256QAM	1	0	18.52	18.62	18.61	18.68	18.67	19.60
10	256QAM	1	25	18.53	18.58	18.54	18.62	18.60	19.60
10	256QAM	1	49	18.58	18.60	18.58	18.58	18.65	19.60
10	256QAM	25	0	18.72	18.82	18.80	18.87	18.85	19.60
10	256QAM	25	12	18.71	18.77	18.75	18.84	18.81	19.60
10	256QAM	25	25	18.73	18.78	18.75	18.83	18.81	19.60
10	256QAM	50	0	18.80	18.84	18.82	18.90	18.95	19.60
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.62	23.71	23.72	23.76	23.82	24.60
5	QPSK	1	12	23.73	23.59	23.48	23.66	23.61	24.60
5	QPSK	1	24	23.61	23.68	23.64	23.70	23.75	24.60
5	QPSK	12	0	21.72	21.78	21.80	21.86	21.91	23.60
5	QPSK	12	7	21.69	21.74	21.80	21.82	21.84	23.60
5	QPSK	12	13	21.73	21.76	21.78	21.85	21.87	23.60
5	QPSK	25	0	21.73	21.79	21.83	21.86	21.89	23.60
5	16QAM	1	0	21.69	21.77	21.73	21.80	21.92	23.60
5	16QAM	1	12	21.90	21.98	21.90	21.99	22.16	23.60
5	16QAM	1	24	21.73	21.78	21.75	21.82	21.94	23.60
5	16QAM	12	0	21.69	21.76	21.78	21.82	21.87	22.60
5	16QAM	12	7	21.66	21.73	21.78	21.79	21.84	22.60
5	16QAM	12	13	21.69	21.74	21.76	21.81	21.85	22.60
5	16QAM	25	0	21.72	21.79	21.81	21.84	21.88	22.60
5	64QAM	1	0	21.25	21.35	21.34	21.43	21.46	22.60
5	64QAM	1	12	21.30	21.46	21.39	21.40	21.44	22.60
5	64QAM	1	24	21.27	21.34	21.35	21.41	21.48	22.60
5	64QAM	12	0	20.66	20.75	20.74	20.79	20.84	21.60
5	64QAM	12	7	20.64	20.71	20.72	20.77	20.80	21.60
5	64QAM	12	13	20.65	20.73	20.72	20.78	20.84	21.60
5	64QAM	25	0	20.66	20.72	20.71	20.75	20.82	21.60
5	256QAM	1	0	18.52	18.60	18.59	18.68	18.65	19.60
5	256QAM	1	12	18.23	18.30	18.22	18.39	18.29	19.60
5	256QAM	1	24	18.46	18.56	18.54	18.61	18.59	19.60
5	256QAM	12	0	18.78	18.85	18.86	18.93	18.91	19.60
5	256QAM	12	7	18.79	18.87	18.86	18.94	18.91	19.60
5	256QAM	12	13	18.77	18.83	18.84	18.91	18.90	19.60
5	256QAM	25	0	18.70	18.77	18.78	18.85	18.81	19.60



【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.81	23.80	23.83	23.87	24.60
20	QPSK	1	49	23.34	23.35	23.39	23.42	23.46	24.60
20	QPSK	1	99	23.49	23.48	23.49	23.48	23.53	24.60
20	QPSK	50	0	21.75	21.77	21.79	21.82	21.85	23.60
20	QPSK	50	24	21.66	21.67	21.62	21.63	21.69	23.60
20	QPSK	50	50	21.64	21.63	21.64	21.67	21.68	23.60
20	QPSK	100	0	21.68	21.64	21.65	21.68	21.71	23.60
20	16QAM	1	0	21.69	21.73	21.73	21.77	21.81	23.60
20	16QAM	1	49	21.76	21.86	21.82	21.88	21.88	23.60
20	16QAM	1	99	21.77	21.61	21.72	21.78	21.74	23.60
20	16QAM	50	0	21.70	21.72	21.76	21.77	21.71	22.60
20	16QAM	50	24	21.62	21.69	21.64	21.69	21.79	22.60
20	16QAM	50	50	21.71	21.63	21.66	21.72	21.68	22.60
20	16QAM	100	0	21.73	21.59	21.62	21.73	21.70	22.60
20	64QAM	1	0	21.20	21.33	21.35	21.38	21.42	22.60
20	64QAM	1	49	21.35	21.39	21.46	21.41	21.51	22.60
20	64QAM	1	99	21.25	21.16	21.17	21.22	21.31	22.60
20	64QAM	50	0	20.68	20.61	20.73	20.78	20.66	21.60
20	64QAM	50	24	20.64	20.61	20.72	20.71	20.71	21.60
20	64QAM	50	50	20.64	20.56	20.63	20.65	20.72	21.60
20	64QAM	100	0	20.68	20.61	20.60	20.68	20.64	21.60
20	256QAM	1	0	18.75	18.72	18.75	18.79	18.91	19.60
20	256QAM	1	49	18.77	18.73	18.69	18.77	18.73	19.60
20	256QAM	1	99	18.78	18.63	18.62	18.69	18.67	19.60
20	256QAM	50	0	18.93	18.94	18.92	19.00	19.02	19.60
20	256QAM	50	24	18.89	18.92	18.90	18.96	18.99	19.60
20	256QAM	50	50	18.95	18.87	18.87	18.93	18.95	19.60
20	256QAM	100	0	18.90	18.89	18.86	18.95	18.95	19.60
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.72	23.84	23.78	23.82	23.86	24.60
15	QPSK	1	37	23.60	23.78	23.71	23.81	23.76	24.60
15	QPSK	1	74	23.75	23.73	23.75	23.79	23.83	24.60
15	QPSK	36	0	21.82	21.90	21.84	21.90	21.95	23.60
15	QPSK	36	20	21.78	21.85	21.80	21.87	21.92	23.60
15	QPSK	36	39	21.81	21.82	21.80	21.84	21.91	23.60
15	QPSK	75	0	21.81	21.86	21.84	21.91	21.93	23.60
15	16QAM	1	0	21.85	21.96	21.87	21.96	22.02	23.60
15	16QAM	1	37	21.99	22.06	22.07	22.08	22.19	23.60
15	16QAM	1	74	21.87	21.85	21.82	21.86	22.02	23.60
15	16QAM	36	0	21.73	21.83	21.77	21.85	21.90	22.60
15	16QAM	36	20	21.73	21.79	21.74	21.80	21.88	22.60
15	16QAM	36	39	21.76	21.76	21.74	21.79	21.88	22.60
15	16QAM	75	0	21.85	21.89	21.87	21.92	21.96	22.60
15	64QAM	1	0	21.32	21.47	21.41	21.50	21.52	22.60
15	64QAM	1	37	21.29	21.36	21.39	21.43	21.44	22.60
15	64QAM	1	74	21.36	21.36	21.31	21.41	21.47	22.60
15	64QAM	36	0	20.66	20.76	20.74	20.80	20.80	21.60
15	64QAM	36	20	20.66	20.73	20.72	20.76	20.78	21.60
15	64QAM	36	39	20.67	20.71	20.69	20.74	20.75	21.60
15	64QAM	75	0	20.68	20.73	20.71	20.77	20.78	21.60
15	256QAM	1	0	18.60	18.73	18.71	18.78	18.76	19.60
15	256QAM	1	37	18.28	18.45	18.35	18.52	18.44	19.60
15	256QAM	1	74	18.63	18.64	18.56	18.68	18.65	19.60
15	256QAM	36	0	18.80	18.91	18.86	18.95	18.93	19.60
15	256QAM	36	20	18.80	18.86	18.84	18.91	18.89	19.60
15	256QAM	36	39	18.82	18.85	18.82	18.90	18.90	19.60
15	256QAM	75	0	18.80	18.87	18.78	18.92	18.89	19.60
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.72	23.69	23.75	23.81	24.60
10	QPSK	1	25	23.58	23.64	23.64	23.69	23.74	24.60
10	QPSK	1	49	23.67	23.70	23.68	23.70	23.82	24.60
10	QPSK	25	0	21.75	21.85	21.82	21.87	21.90	23.60
10	QPSK	25	12	21.75	21.80	21.80	21.84	21.87	23.60
10	QPSK	25	25	21.77	21.80	21.79	21.84	21.88	23.60
10	QPSK	50	0	21.77	21.81	21.80	21.86	21.85	23.60
10	16QAM	1	0	21.79	21.91	21.82	21.89	22.00	23.60

10	16QAM	1	25	21.79	21.88	21.81	21.83	22.00	23.60
10	16QAM	1	49	21.77	21.79	21.75	21.81	21.95	23.60
10	16QAM	25	0	21.75	21.83	21.80	21.86	21.92	22.60
10	16QAM	25	12	21.73	21.81	21.79	21.83	21.90	22.60
10	16QAM	25	25	21.75	21.79	21.77	21.84	21.90	22.60
10	16QAM	50	0	21.77	21.83	21.82	21.88	21.91	22.60
10	64QAM	1	0	21.31	21.44	21.40	21.47	21.53	22.60
10	64QAM	1	25	20.81	20.87	21.43	20.89	20.96	22.60
10	64QAM	1	49	21.31	21.34	21.34	21.39	21.47	22.60
10	64QAM	25	0	20.68	20.78	20.73	20.79	20.84	21.60
10	64QAM	25	12	20.67	20.76	20.72	20.75	20.82	21.60
10	64QAM	25	25	20.68	20.74	20.72	20.76	20.83	21.60
10	64QAM	50	0	20.68	20.76	20.72	20.78	20.83	21.60
10	256QAM	1	0	18.52	18.62	18.61	18.68	18.67	19.60
10	256QAM	1	25	18.53	18.58	18.54	18.62	18.60	19.60
10	256QAM	1	49	18.58	18.60	18.58	18.58	18.65	19.60
10	256QAM	25	0	18.72	18.82	18.80	18.87	18.85	19.60
10	256QAM	25	12	18.71	18.77	18.75	18.84	18.81	19.60
10	256QAM	25	25	18.73	18.78	18.75	18.83	18.81	19.60
10	256QAM	50	0	18.80	18.84	18.82	18.90	18.95	19.60
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.62	23.71	23.72	23.76	23.82	24.60
5	QPSK	1	12	23.73	23.59	23.48	23.66	23.61	24.60
5	QPSK	1	24	23.61	23.68	23.64	23.70	23.75	24.60
5	QPSK	12	0	21.72	21.78	21.80	21.86	21.91	23.60
5	QPSK	12	7	21.69	21.74	21.80	21.82	21.84	23.60
5	QPSK	12	13	21.73	21.76	21.78	21.85	21.87	23.60
5	QPSK	25	0	21.73	21.79	21.83	21.86	21.89	23.60
5	16QAM	1	0	21.69	21.77	21.73	21.80	21.92	23.60
5	16QAM	1	12	21.90	21.98	21.90	21.99	22.16	23.60
5	16QAM	1	24	21.73	21.78	21.75	21.82	21.94	23.60
5	16QAM	12	0	21.69	21.76	21.78	21.82	21.87	22.60
5	16QAM	12	7	21.66	21.73	21.78	21.79	21.84	22.60
5	16QAM	12	13	21.69	21.74	21.76	21.81	21.85	22.60
5	16QAM	25	0	21.72	21.79	21.81	21.84	21.88	22.60
5	64QAM	1	0	21.25	21.35	21.34	21.43	21.46	22.60
5	64QAM	1	12	21.30	21.46	21.39	21.40	21.44	22.60
5	64QAM	1	24	21.27	21.34	21.35	21.41	21.48	22.60
5	64QAM	12	0	20.66	20.75	20.74	20.79	20.84	21.60
5	64QAM	12	7	20.64	20.71	20.72	20.77	20.80	21.60
5	64QAM	12	13	20.65	20.73	20.72	20.78	20.84	21.60
5	64QAM	25	0	20.66	20.72	20.71	20.75	20.82	21.60
5	256QAM	1	0	18.52	18.60	18.59	18.68	18.65	19.60
5	256QAM	1	12	18.23	18.30	18.22	18.39	18.29	19.60
5	256QAM	1	24	18.46	18.56	18.54	18.61	18.59	19.60
5	256QAM	12	0	18.78	18.85	18.86	18.93	18.91	19.60
5	256QAM	12	7	18.79	18.87	18.86	18.94	18.91	19.60
5	256QAM	12	13	18.77	18.83	18.84	18.91	18.90	19.60
5	256QAM	25	0	18.70	18.77	18.78	18.85	18.81	19.60

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.14	19.15	19.18	19.22	19.23	20.50
20	QPSK	1	49	18.96	19.04	19.05	19.03	19.16	20.50
20	QPSK	1	99	19.05	18.92	19.03	19.03	19.08	20.50
20	QPSK	50	0	19.12	19.14	19.15	19.18	19.20	20.50
20	QPSK	50	24	19.10	19.07	19.09	19.16	19.18	20.50
20	QPSK	50	50	19.11	19.02	19.04	19.13	19.16	20.50
20	QPSK	100	0	19.06	19.07	19.07	19.15	19.19	20.50
20	16QAM	1	0	19.09	19.10	19.13	19.21	19.22	20.50
20	16QAM	1	49	18.92	18.95	18.97	19.01	19.06	20.50
20	16QAM	1	99	19.02	18.88	19.01	18.96	19.05	20.50
20	16QAM	50	0	19.05	19.04	19.09	19.14	19.12	20.50
20	16QAM	50	24	19.07	19.05	19.01	19.06	19.17	20.50
20	16QAM	50	50	19.01	18.96	18.98	19.05	19.10	20.50
20	16QAM	100	0	19.03	18.98	18.98	19.08	19.12	20.50
20	64QAM	1	0	18.75	18.80	18.82	18.91	18.93	20.50
20	64QAM	1	49	18.73	18.71	18.72	18.82	18.78	20.50
20	64QAM	1	99	18.76	18.66	18.66	18.77	18.81	20.50
20	64QAM	50	0	18.66	18.73	18.82	18.84	18.85	20.50

20	64QAM	50	24	18.72	18.70	18.70	18.75	18.77	20.50
20	64QAM	50	50	18.72	18.56	18.58	18.70	18.81	20.50
20	64QAM	100	0	18.70	18.65	18.62	18.82	18.68	20.50
20	256QAM	1	0	18.32	18.37	18.40	18.49	18.49	20.10
20	256QAM	1	49	18.31	18.29	18.29	18.39	18.37	20.10
20	256QAM	1	99	18.35	18.27	18.29	18.37	18.37	20.10
20	256QAM	50	0	18.56	18.56	18.58	18.67	18.70	20.10
20	256QAM	50	24	18.55	18.51	18.55	18.65	18.67	20.10
20	256QAM	50	50	18.59	18.50	18.53	18.62	18.66	20.10
20	256QAM	100	0	18.55	18.51	18.53	18.62	18.64	20.10
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.07	19.07	19.17	19.18	19.09	20.50
15	QPSK	1	37	18.93	18.96	19.04	18.98	19.05	20.50
15	QPSK	1	74	18.97	18.89	19.01	18.94	19.04	20.50
15	QPSK	36	0	19.00	19.11	19.05	19.03	19.11	20.50
15	QPSK	36	20	19.02	18.97	19.03	19.13	19.06	20.50
15	QPSK	36	39	19.02	18.93	19.03	19.00	19.03	20.50
15	QPSK	75	0	19.00	19.04	19.03	19.12	19.11	20.50
15	16QAM	1	0	19.05	19.04	19.08	19.10	19.14	20.50
15	16QAM	1	37	18.80	18.83	18.95	18.92	19.00	20.50
15	16QAM	1	74	18.97	18.79	18.94	18.83	18.97	20.50
15	16QAM	36	0	18.96	19.00	18.96	19.11	19.02	20.50
15	16QAM	36	20	18.97	19.00	18.93	18.94	19.05	20.50
15	16QAM	36	39	18.98	18.91	18.91	19.03	18.99	20.50
15	16QAM	75	0	18.93	18.86	18.94	18.94	19.05	20.50
15	64QAM	1	0	18.67	18.76	18.69	18.89	18.82	20.50
15	64QAM	1	37	18.68	18.56	18.67	18.76	18.63	20.50
15	64QAM	1	74	18.73	18.63	18.59	18.71	18.70	20.50
15	64QAM	36	0	18.51	18.58	18.69	18.69	18.79	20.50
15	64QAM	36	20	18.59	18.62	18.64	18.74	18.71	20.50
15	64QAM	36	39	18.63	18.49	18.47	18.68	18.72	20.50
15	64QAM	75	0	18.68	18.57	18.50	18.80	18.62	20.50
15	256QAM	1	0	18.29	18.31	18.31	18.35	18.48	20.10
15	256QAM	1	37	18.21	18.15	18.25	18.26	18.33	20.10
15	256QAM	1	74	18.22	18.25	18.25	18.26	18.34	20.10
15	256QAM	36	0	18.47	18.44	18.47	18.60	18.62	20.10
15	256QAM	36	20	18.49	18.45	18.50	18.63	18.62	20.10
15	256QAM	36	39	18.55	18.40	18.42	18.49	18.61	20.10
15	256QAM	75	0	18.54	18.37	18.52	18.57	18.56	20.10
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.01	19.10	19.07	19.11	19.13	20.50
10	QPSK	1	25	18.85	18.98	18.91	18.95	19.09	20.50
10	QPSK	1	49	19.03	18.77	18.96	18.92	19.05	20.50
10	QPSK	25	0	18.98	19.12	19.13	19.04	19.13	20.50
10	QPSK	25	12	19.03	19.03	19.02	19.01	19.07	20.50
10	QPSK	25	25	19.07	18.99	18.99	19.11	19.13	20.50
10	QPSK	50	0	18.93	18.94	19.00	19.07	19.11	20.50
10	16QAM	1	0	18.98	19.07	19.01	19.08	19.13	20.50
10	16QAM	1	25	18.89	18.87	18.93	18.91	19.03	20.50
10	16QAM	1	49	18.96	18.85	18.88	18.88	18.93	20.50
10	16QAM	25	0	19.02	18.91	18.98	19.08	18.99	20.50
10	16QAM	25	12	19.03	18.96	18.92	18.99	19.03	20.50
10	16QAM	25	25	18.92	18.90	18.94	19.02	18.96	20.50
10	16QAM	50	0	18.93	18.83	18.85	19.02	19.04	20.50
10	64QAM	1	0	18.61	18.69	18.70	18.79	18.79	20.50
10	64QAM	1	25	18.71	18.65	18.67	18.81	18.67	20.50
10	64QAM	1	49	18.62	18.51	18.64	18.76	18.68	20.50
10	64QAM	25	0	18.62	18.62	18.69	18.75	18.70	20.50
10	64QAM	25	12	18.69	18.62	18.60	18.66	18.74	20.50
10	64QAM	25	25	18.67	18.53	18.50	18.61	18.73	20.50
10	64QAM	50	0	18.61	18.54	18.55	18.78	18.61	20.50
10	256QAM	1	0	18.30	18.22	18.31	18.37	18.46	20.10
10	256QAM	1	25	18.17	18.22	18.18	18.34	18.32	20.10
10	256QAM	1	49	18.24	18.25	18.16	18.26	18.30	20.10
10	256QAM	25	0	18.46	18.48	18.46	18.58	18.61	20.10
10	256QAM	25	12	18.42	18.42	18.52	18.61	18.65	20.10
10	256QAM	25	25	18.51	18.43	18.49	18.52	18.60	20.10
10	256QAM	50	0	18.44	18.44	18.41	18.55	18.63	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.13	19.07	19.06	19.13	19.19	20.50
5	QPSK	1	12	18.83	18.94	18.96	18.94	19.13	20.50
5	QPSK	1	24	18.95	18.83	18.91	19.02	19.02	20.50

5	QPSK	12	0	19.11	19.02	19.01	19.15	19.15	20.50
5	QPSK	12	7	18.97	19.04	19.02	19.05	19.10	20.50
5	QPSK	12	13	19.03	18.99	18.96	19.09	19.09	20.50
5	QPSK	25	0	18.99	18.99	19.05	19.09	19.06	20.50
5	16QAM	1	0	19.07	18.95	19.06	19.09	19.14	20.50
5	16QAM	1	12	18.82	18.81	18.92	18.98	19.01	20.50
5	16QAM	1	24	18.94	18.76	18.90	18.91	18.96	20.50
5	16QAM	12	0	18.90	18.99	19.00	19.06	18.98	20.50
5	16QAM	12	7	18.93	18.93	18.99	18.93	19.09	20.50
5	16QAM	12	13	18.91	18.88	18.89	18.92	19.08	20.50
5	16QAM	25	0	18.90	18.89	18.92	19.03	18.99	20.50
5	64QAM	1	0	18.67	18.72	18.73	18.82	18.89	20.50
5	64QAM	1	12	18.67	18.67	18.64	18.80	18.67	20.50
5	64QAM	1	24	18.64	18.64	18.62	18.75	18.71	20.50
5	64QAM	12	0	18.64	18.69	18.69	18.70	18.75	20.50
5	64QAM	12	7	18.69	18.62	18.61	18.69	18.73	20.50
5	64QAM	12	13	18.65	18.43	18.53	18.61	18.74	20.50
5	64QAM	25	0	18.67	18.63	18.55	18.68	18.55	20.50
5	256QAM	1	0	18.30	18.22	18.26	18.39	18.35	20.10
5	256QAM	1	12	18.22	18.18	18.20	18.27	18.27	20.10
5	256QAM	1	24	18.33	18.17	18.17	18.29	18.26	20.10
5	256QAM	12	0	18.44	18.47	18.53	18.52	18.60	20.10
5	256QAM	12	7	18.43	18.45	18.45	18.56	18.65	20.10
5	256QAM	12	13	18.49	18.41	18.50	18.51	18.59	20.10
5	256QAM	25	0	18.53	18.43	18.46	18.60	18.57	20.10

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	19.30
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.14	19.15	19.18	19.22	19.23	19.30
20	QPSK	1	49	18.96	19.04	19.05	19.03	19.16	19.30
20	QPSK	1	99	19.05	18.92	19.03	19.03	19.08	19.30
20	QPSK	50	0	19.12	19.14	19.15	19.18	19.20	19.30
20	QPSK	50	24	19.10	19.07	19.09	19.16	19.18	19.30
20	QPSK	50	50	19.11	19.02	19.04	19.13	19.16	19.30
20	QPSK	100	0	19.06	19.07	19.07	19.15	19.19	19.30
20	16QAM	1	0	19.09	19.10	19.13	19.21	19.22	19.30
20	16QAM	1	49	18.92	18.95	18.97	19.01	19.06	19.30
20	16QAM	1	99	19.02	18.88	19.01	18.96	19.05	19.30
20	16QAM	50	0	19.05	19.04	19.09	19.14	19.12	19.30
20	16QAM	50	24	19.07	19.05	19.01	19.06	19.17	19.30
20	16QAM	50	50	19.01	18.96	18.98	19.05	19.10	19.30
20	16QAM	100	0	19.03	18.98	18.98	19.08	19.12	19.30
20	64QAM	1	0	18.75	18.80	18.82	18.91	18.93	19.30
20	64QAM	1	49	18.73	18.71	18.72	18.82	18.78	19.30
20	64QAM	1	99	18.76	18.66	18.66	18.77	18.81	19.30
20	64QAM	50	0	18.66	18.73	18.82	18.84	18.85	19.30
20	64QAM	50	24	18.72	18.70	18.70	18.75	18.77	19.30
20	64QAM	50	50	18.72	18.56	18.58	18.70	18.81	19.30
20	64QAM	100	0	18.70	18.65	18.62	18.82	18.68	19.30
20	256QAM	1	0	18.32	18.37	18.40	18.49	18.49	19.30
20	256QAM	1	49	18.31	18.29	18.29	18.39	18.37	19.30
20	256QAM	1	99	18.35	18.27	18.29	18.37	18.37	19.30
20	256QAM	50	0	18.56	18.56	18.58	18.67	18.70	19.30
20	256QAM	50	24	18.55	18.51	18.55	18.65	18.67	19.30
20	256QAM	50	50	18.59	18.50	18.53	18.62	18.66	19.30
20	256QAM	100	0	18.55	18.51	18.53	18.62	18.64	19.30
Channel				39725	40173	40620	41068	41515	19.30
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.07	19.07	19.17	19.18	19.09	19.30
15	QPSK	1	37	18.93	18.96	19.04	18.98	19.05	19.30
15	QPSK	1	74	18.97	18.89	19.01	18.94	19.04	19.30
15	QPSK	36	0	19.00	19.11	19.05	19.03	19.11	19.30
15	QPSK	36	20	19.02	18.97	19.03	19.13	19.06	19.30
15	QPSK	36	39	19.02	18.93	19.03	19.00	19.03	19.30
15	QPSK	75	0	19.00	19.04	19.03	19.12	19.11	19.30
15	16QAM	1	0	19.05	19.04	19.08	19.10	19.14	19.30
15	16QAM	1	37	18.80	18.83	18.95	18.92	19.00	19.30
15	16QAM	1	74	18.97	18.79	18.94	18.83	18.97	19.30
15	16QAM	36	0	18.96	19.00	18.96	19.11	19.02	19.30
15	16QAM	36	20	18.97	19.00	18.93	18.94	19.05	19.30
15	16QAM	36	39	18.98	18.91	18.91	19.03	18.99	19.30

15	16QAM	75	0	18.93	18.86	18.94	18.94	19.05	19.30
15	64QAM	1	0	18.67	18.76	18.69	18.89	18.82	19.30
15	64QAM	1	37	18.68	18.56	18.67	18.76	18.63	19.30
15	64QAM	1	74	18.73	18.63	18.59	18.71	18.70	19.30
15	64QAM	36	0	18.51	18.58	18.69	18.69	18.79	19.30
15	64QAM	36	20	18.59	18.62	18.64	18.74	18.71	19.30
15	64QAM	36	39	18.63	18.49	18.47	18.68	18.72	19.30
15	64QAM	75	0	18.68	18.57	18.50	18.80	18.62	19.30
15	256QAM	1	0	18.29	18.31	18.31	18.35	18.48	19.30
15	256QAM	1	37	18.21	18.15	18.25	18.26	18.33	19.30
15	256QAM	1	74	18.22	18.25	18.25	18.26	18.34	19.30
15	256QAM	36	0	18.47	18.44	18.47	18.60	18.62	19.30
15	256QAM	36	20	18.49	18.45	18.50	18.63	18.62	19.30
15	256QAM	36	39	18.55	18.40	18.42	18.49	18.61	19.30
15	256QAM	75	0	18.54	18.37	18.52	18.57	18.56	19.30
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.01	19.10	19.07	19.11	19.13	19.30
10	QPSK	1	25	18.85	18.98	18.91	18.95	19.09	19.30
10	QPSK	1	49	19.03	18.77	18.96	18.92	19.05	19.30
10	QPSK	25	0	18.98	19.12	19.13	19.04	19.13	19.30
10	QPSK	25	12	19.03	19.03	19.02	19.01	19.07	19.30
10	QPSK	25	25	19.07	18.99	18.99	19.11	19.13	19.30
10	QPSK	50	0	18.93	18.94	19.00	19.07	19.11	19.30
10	16QAM	1	0	18.98	19.07	19.01	19.08	19.13	19.30
10	16QAM	1	25	18.89	18.87	18.93	18.91	19.03	19.30
10	16QAM	1	49	18.96	18.85	18.88	18.88	18.93	19.30
10	16QAM	25	0	19.02	18.91	18.98	19.08	18.99	19.30
10	16QAM	25	12	19.03	18.96	18.92	18.99	19.03	19.30
10	16QAM	25	25	18.92	18.90	18.94	19.02	18.96	19.30
10	16QAM	50	0	18.93	18.83	18.85	19.02	19.04	19.30
10	64QAM	1	0	18.61	18.69	18.70	18.79	18.79	19.30
10	64QAM	1	25	18.71	18.65	18.67	18.81	18.67	19.30
10	64QAM	1	49	18.62	18.51	18.64	18.76	18.68	19.30
10	64QAM	25	0	18.62	18.62	18.69	18.75	18.70	19.30
10	64QAM	25	12	18.69	18.62	18.60	18.66	18.74	19.30
10	64QAM	25	25	18.67	18.53	18.50	18.61	18.73	19.30
10	64QAM	50	0	18.61	18.54	18.55	18.78	18.61	19.30
10	256QAM	1	0	18.30	18.22	18.31	18.37	18.46	19.30
10	256QAM	1	25	18.17	18.22	18.18	18.34	18.32	19.30
10	256QAM	1	49	18.24	18.25	18.16	18.26	18.30	19.30
10	256QAM	25	0	18.46	18.48	18.46	18.58	18.61	19.30
10	256QAM	25	12	18.42	18.42	18.52	18.61	18.65	19.30
10	256QAM	25	25	18.51	18.43	18.49	18.52	18.60	19.30
10	256QAM	50	0	18.44	18.44	18.41	18.55	18.63	19.30
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.13	19.07	19.06	19.13	19.19	19.30
5	QPSK	1	12	18.83	18.94	18.96	18.94	19.13	19.30
5	QPSK	1	24	18.95	18.83	18.91	19.02	19.02	19.30
5	QPSK	12	0	19.11	19.02	19.01	19.15	19.15	19.30
5	QPSK	12	7	18.97	19.04	19.02	19.05	19.10	19.30
5	QPSK	12	13	19.03	18.99	18.96	19.09	19.09	19.30
5	QPSK	25	0	18.99	18.99	19.05	19.09	19.06	19.30
5	16QAM	1	0	19.07	18.95	19.06	19.09	19.14	19.30
5	16QAM	1	12	18.82	18.81	18.92	18.98	19.01	19.30
5	16QAM	1	24	18.94	18.76	18.90	18.91	18.96	19.30
5	16QAM	12	0	18.90	18.99	19.00	19.06	18.98	19.30
5	16QAM	12	7	18.93	18.93	18.99	18.93	19.09	19.30
5	16QAM	12	13	18.91	18.88	18.89	18.92	19.08	19.30
5	16QAM	25	0	18.90	18.89	18.92	19.03	18.99	19.30
5	64QAM	1	0	18.67	18.72	18.73	18.82	18.89	19.30
5	64QAM	1	12	18.67	18.67	18.64	18.80	18.67	19.30
5	64QAM	1	24	18.64	18.64	18.62	18.75	18.71	19.30
5	64QAM	12	0	18.64	18.69	18.69	18.70	18.75	19.30
5	64QAM	12	7	18.69	18.62	18.61	18.69	18.73	19.30
5	64QAM	12	13	18.65	18.43	18.53	18.61	18.74	19.30
5	64QAM	25	0	18.67	18.63	18.55	18.68	18.55	19.30
5	256QAM	1	0	18.30	18.22	18.26	18.39	18.35	19.30
5	256QAM	1	12	18.22	18.18	18.20	18.27	18.27	19.30
5	256QAM	1	24	18.33	18.17	18.17	18.29	18.26	19.30
5	256QAM	12	0	18.44	18.47	18.53	18.52	18.60	19.30
5	256QAM	12	7	18.43	18.45	18.45	18.56	18.65	19.30
5	256QAM	12	13	18.49	18.41	18.50	18.51	18.59	19.30
5	256QAM	25	0	18.53	18.43	18.46	18.60	18.57	19.30

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 0_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.40	25.60	25.59	25.61	25.68	26.40
20	QPSK	1	49	25.32	25.46	25.48	25.50	25.54	26.40
20	QPSK	1	99	25.35	25.46	25.50	25.48	25.55	26.40
20	QPSK	50	0	23.58	23.58	23.57	23.64	23.67	25.40
20	QPSK	50	24	23.56	23.54	23.53	23.64	23.58	25.40
20	QPSK	50	50	23.56	23.52	23.49	23.60	23.54	25.40
20	QPSK	100	0	23.54	23.54	23.53	23.61	23.57	25.40
20	16QAM	1	0	23.74	23.92	23.86	23.94	23.93	25.40
20	16QAM	1	49	23.72	23.76	23.75	23.78	23.86	25.40
20	16QAM	1	99	23.83	23.76	23.78	23.78	23.91	25.40
20	16QAM	50	0	23.59	23.63	23.60	23.69	23.68	24.40
20	16QAM	50	24	23.60	23.61	23.59	23.66	23.65	24.40
20	16QAM	50	50	23.61	23.57	23.56	23.63	23.63	24.40
20	16QAM	100	0	23.58	23.58	23.57	23.63	23.62	24.40
20	64QAM	1	0	23.50	23.68	23.61	23.68	23.67	24.40
20	64QAM	1	49	23.49	23.53	23.51	23.54	23.62	24.40
20	64QAM	1	99	23.57	23.47	23.51	23.51	23.64	24.40
20	64QAM	50	0	22.53	22.60	22.56	22.64	22.63	23.40
20	64QAM	50	24	22.53	22.54	22.53	22.61	22.60	23.40
20	64QAM	50	50	22.55	22.53	22.52	22.58	22.58	23.40
20	64QAM	100	0	22.53	22.54	22.53	22.60	22.60	23.40
20	256QAM	1	0	20.41	20.52	20.45	20.55	20.53	21.40
20	256QAM	1	49	20.35	20.37	20.36	20.44	20.43	21.40
20	256QAM	1	99	20.43	20.33	20.35	20.40	20.45	21.40
20	256QAM	50	0	20.56	20.62	20.61	20.67	20.66	21.40
20	256QAM	50	24	20.58	20.58	20.58	20.65	20.63	21.40
20	256QAM	50	50	20.59	20.55	20.56	20.62	20.62	21.40
20	256QAM	100	0	20.52	20.54	20.54	20.60	20.59	21.40
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.59	25.59	25.59	25.62	25.63	26.40
15	QPSK	1	37	25.36	25.42	25.40	25.44	25.44	26.40
15	QPSK	1	74	25.51	25.53	25.51	25.53	25.59	26.40
15	QPSK	36	0	23.63	23.73	23.70	23.74	23.78	25.40
15	QPSK	36	20	23.64	23.69	23.65	23.71	23.76	25.40
15	QPSK	36	39	23.66	23.67	23.65	23.69	23.75	25.40
15	QPSK	75	0	23.64	23.68	23.66	23.72	23.70	25.40
15	16QAM	1	0	23.82	24.02	23.96	24.01	24.07	25.40
15	16QAM	1	37	23.91	23.97	24.00	23.99	24.08	25.40
15	16QAM	1	74	23.89	23.89	23.92	23.89	24.03	25.40
15	16QAM	36	0	23.60	23.72	23.67	23.71	23.79	24.40
15	16QAM	36	20	23.62	23.69	23.64	23.67	23.78	24.40
15	16QAM	36	39	23.63	23.65	23.63	23.66	23.77	24.40
15	16QAM	75	0	23.67	23.72	23.70	23.73	23.77	24.40
15	64QAM	1	0	23.56	23.75	23.70	23.75	23.80	24.40
15	64QAM	1	37	23.54	23.63	23.67	23.67	23.79	24.40
15	64QAM	1	74	23.63	23.62	23.63	23.61	23.77	24.40
15	64QAM	36	0	22.58	22.70	22.62	22.68	22.77	23.40
15	64QAM	36	20	22.59	22.66	22.59	22.65	22.76	23.40
15	64QAM	36	39	22.60	22.62	22.59	22.62	22.75	23.40
15	64QAM	75	0	22.63	22.68	22.65	22.70	22.73	23.40
15	256QAM	1	0	20.47	20.59	20.53	20.61	20.62	21.40
15	256QAM	1	37	20.42	20.44	20.42	20.48	20.46	21.40
15	256QAM	1	74	20.51	20.50	20.47	20.53	20.60	21.40
15	256QAM	36	0	20.52	20.62	20.58	20.66	20.67	21.40
15	256QAM	36	20	20.53	20.59	20.56	20.64	20.66	21.40
15	256QAM	36	39	20.54	20.57	20.55	20.61	20.65	21.40
15	256QAM	75	0	20.59	20.64	20.61	20.66	20.71	21.40
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.34	25.54	25.54	25.56	25.60	26.40
10	QPSK	1	25	25.41	25.54	25.57	25.55	25.59	26.40
10	QPSK	1	49	25.44	25.48	25.52	25.50	25.58	26.40
10	QPSK	25	0	23.50	23.56	23.56	23.62	23.65	25.40
10	QPSK	25	12	23.51	23.56	23.54	23.61	23.63	25.40
10	QPSK	25	25	23.52	23.54	23.53	23.60	23.63	25.40
10	QPSK	50	0	23.51	23.55	23.53	23.61	23.62	25.40
10	16QAM	1	0	23.67	23.87	23.81	23.87	24.01	25.40

10	16QAM	1	25	23.86	23.98	23.95	24.02	24.21	25.40
10	16QAM	1	49	23.72	23.79	23.80	23.78	23.97	25.40
10	16QAM	25	0	23.50	23.60	23.59	23.65	23.72	24.40
10	16QAM	25	12	23.51	23.59	23.56	23.63	23.71	24.40
10	16QAM	25	25	23.52	23.57	23.56	23.61	23.71	24.40
10	16QAM	50	0	23.54	23.60	23.56	23.65	23.71	24.40
10	64QAM	1	0	23.43	23.64	23.58	23.64	23.78	24.40
10	64QAM	1	25	23.55	23.66	23.63	23.71	23.88	24.40
10	64QAM	1	49	23.48	23.53	23.53	23.54	23.73	24.40
10	64QAM	25	0	22.52	22.63	22.61	22.67	22.75	23.40
10	64QAM	25	12	22.53	22.61	22.59	22.66	22.76	23.40
10	64QAM	25	25	22.54	22.59	22.59	22.63	22.74	23.40
10	64QAM	50	0	22.49	22.55	22.54	22.61	22.67	23.40
10	256QAM	1	0	20.37	20.47	20.42	20.52	20.58	21.40
10	256QAM	1	25	20.14	20.23	20.22	20.42	20.56	21.40
10	256QAM	1	49	20.33	20.37	20.34	20.43	20.52	21.40
10	256QAM	25	0	20.47	20.55	20.53	20.61	20.68	21.40
10	256QAM	25	12	20.46	20.53	20.50	20.58	20.68	21.40
10	256QAM	25	25	20.48	20.52	20.49	20.58	20.66	21.40
10	256QAM	50	0	20.51	20.59	20.57	20.65	20.71	21.40
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.48	25.66	25.67	25.67	25.67	26.40
5	QPSK	1	12	25.51	25.60	25.62	25.66	25.65	26.40
5	QPSK	1	24	25.50	25.59	25.65	25.61	25.67	26.40
5	QPSK	12	0	23.56	23.62	23.65	23.71	23.68	25.40
5	QPSK	12	7	23.55	23.61	23.61	23.66	23.66	25.40
5	QPSK	12	13	23.58	23.62	23.63	23.69	23.66	25.40
5	QPSK	25	0	23.62	23.66	23.66	23.72	23.70	25.40
5	16QAM	1	0	23.77	23.93	23.93	23.94	24.07	25.40
5	16QAM	1	12	23.88	23.98	23.98	24.01	24.09	25.40
5	16QAM	1	24	23.81	23.88	23.91	23.90	24.04	25.40
5	16QAM	12	0	23.59	23.68	23.70	23.73	23.77	24.40
5	16QAM	12	7	23.59	23.68	23.67	23.71	23.76	24.40
5	16QAM	12	13	23.59	23.67	23.68	23.71	23.76	24.40
5	16QAM	25	0	23.61	23.68	23.67	23.72	23.77	24.40
5	64QAM	1	0	23.47	23.61	23.61	23.63	23.76	24.40
5	64QAM	1	12	23.44	23.53	23.57	23.62	23.73	24.40
5	64QAM	1	24	23.52	23.60	23.61	23.60	23.76	24.40
5	64QAM	12	0	22.59	22.69	22.70	22.73	22.79	23.40
5	64QAM	12	7	22.61	22.70	22.69	22.72	22.80	23.40
5	64QAM	12	13	22.60	22.67	22.68	22.72	22.78	23.40
5	64QAM	25	0	22.63	22.70	22.69	22.74	22.80	23.40
5	256QAM	1	0	20.42	20.49	20.47	20.56	20.59	21.40
5	256QAM	1	12	20.41	20.46	20.42	20.53	20.51	21.40
5	256QAM	1	24	20.43	20.49	20.49	20.54	20.62	21.40
5	256QAM	12	0	20.61	20.68	20.67	20.72	20.78	21.40
5	256QAM	12	7	20.60	20.68	20.63	20.70	20.78	21.40
5	256QAM	12	13	20.61	20.66	20.65	20.70	20.77	21.40
5	256QAM	25	0	20.57	20.63	20.60	20.68	20.73	21.40

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 0_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.40	25.60	25.59	25.61	25.68	26.40
20	QPSK	1	49	25.32	25.46	25.48	25.50	25.54	26.40
20	QPSK	1	99	25.35	25.46	25.50	25.48	25.55	26.40
20	QPSK	50	0	23.58	23.58	23.57	23.64	23.67	25.40
20	QPSK	50	24	23.56	23.54	23.53	23.64	23.58	25.40
20	QPSK	50	50	23.56	23.52	23.49	23.60	23.54	25.40
20	QPSK	100	0	23.54	23.54	23.53	23.61	23.57	25.40
20	16QAM	1	0	23.74	23.92	23.86	23.94	23.93	25.40
20	16QAM	1	49	23.72	23.76	23.75	23.78	23.86	25.40
20	16QAM	1	99	23.83	23.76	23.78	23.78	23.91	25.40
20	16QAM	50	0	23.59	23.63	23.60	23.69	23.68	24.40
20	16QAM	50	24	23.60	23.61	23.59	23.66	23.65	24.40
20	16QAM	50	50	23.61	23.57	23.56	23.63	23.63	24.40
20	16QAM	100	0	23.58	23.58	23.57	23.63	23.62	24.40
20	64QAM	1	0	23.50	23.68	23.61	23.68	23.67	24.40
20	64QAM	1	49	23.49	23.53	23.51	23.54	23.62	24.40
20	64QAM	1	99	23.57	23.47	23.51	23.51	23.64	24.40
20	64QAM	50	0	22.53	22.60	22.56	22.64	22.63	23.40
20	64QAM	50	24	22.53	22.54	22.53	22.61	22.60	23.40

20	64QAM	50	50	22.55	22.53	22.52	22.58	22.58	23.40
20	64QAM	100	0	22.53	22.54	22.53	22.60	22.60	23.40
20	256QAM	1	0	20.41	20.52	20.45	20.55	20.53	21.40
20	256QAM	1	49	20.35	20.37	20.36	20.44	20.43	21.40
20	256QAM	1	99	20.43	20.33	20.35	20.40	20.45	21.40
20	256QAM	50	0	20.56	20.62	20.61	20.67	20.66	21.40
20	256QAM	50	24	20.58	20.58	20.58	20.65	20.63	21.40
20	256QAM	50	50	20.59	20.55	20.56	20.62	20.62	21.40
20	256QAM	100	0	20.52	20.54	20.54	20.60	20.59	21.40
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.59	25.59	25.59	25.62	25.63	26.40
15	QPSK	1	37	25.36	25.42	25.40	25.44	25.44	26.40
15	QPSK	1	74	25.51	25.53	25.51	25.53	25.59	26.40
15	QPSK	36	0	23.63	23.73	23.70	23.74	23.78	25.40
15	QPSK	36	20	23.64	23.69	23.65	23.71	23.76	25.40
15	QPSK	36	39	23.66	23.67	23.65	23.69	23.75	25.40
15	QPSK	75	0	23.64	23.68	23.66	23.72	23.70	25.40
15	16QAM	1	0	23.82	24.02	23.96	24.01	24.07	25.40
15	16QAM	1	37	23.91	23.97	24.00	23.99	24.08	25.40
15	16QAM	1	74	23.89	23.89	23.92	23.89	24.03	25.40
15	16QAM	36	0	23.60	23.72	23.67	23.71	23.79	24.40
15	16QAM	36	20	23.62	23.69	23.64	23.67	23.78	24.40
15	16QAM	36	39	23.63	23.65	23.63	23.66	23.77	24.40
15	16QAM	75	0	23.67	23.72	23.70	23.73	23.77	24.40
15	64QAM	1	0	23.56	23.75	23.70	23.75	23.80	24.40
15	64QAM	1	37	23.54	23.63	23.67	23.67	23.79	24.40
15	64QAM	1	74	23.63	23.62	23.63	23.61	23.77	24.40
15	64QAM	36	0	22.58	22.70	22.62	22.68	22.77	23.40
15	64QAM	36	20	22.59	22.66	22.59	22.65	22.76	23.40
15	64QAM	36	39	22.60	22.62	22.59	22.62	22.75	23.40
15	64QAM	75	0	22.63	22.68	22.65	22.70	22.73	23.40
15	256QAM	1	0	20.47	20.59	20.53	20.61	20.62	21.40
15	256QAM	1	37	20.42	20.44	20.42	20.48	20.46	21.40
15	256QAM	1	74	20.51	20.50	20.47	20.53	20.60	21.40
15	256QAM	36	0	20.52	20.62	20.58	20.66	20.67	21.40
15	256QAM	36	20	20.53	20.59	20.56	20.64	20.66	21.40
15	256QAM	36	39	20.54	20.57	20.55	20.61	20.65	21.40
15	256QAM	75	0	20.59	20.64	20.61	20.66	20.71	21.40
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.34	25.54	25.54	25.56	25.60	26.40
10	QPSK	1	25	25.41	25.54	25.57	25.55	25.59	26.40
10	QPSK	1	49	25.44	25.48	25.52	25.50	25.58	26.40
10	QPSK	25	0	23.50	23.56	23.56	23.62	23.65	25.40
10	QPSK	25	12	23.51	23.56	23.54	23.61	23.63	25.40
10	QPSK	25	25	23.52	23.54	23.53	23.60	23.63	25.40
10	QPSK	50	0	23.51	23.55	23.53	23.61	23.62	25.40
10	16QAM	1	0	23.67	23.87	23.81	23.87	24.01	25.40
10	16QAM	1	25	23.86	23.98	23.95	24.02	24.21	25.40
10	16QAM	1	49	23.72	23.79	23.80	23.78	23.97	25.40
10	16QAM	25	0	23.50	23.60	23.59	23.65	23.72	24.40
10	16QAM	25	12	23.51	23.59	23.56	23.63	23.71	24.40
10	16QAM	25	25	23.52	23.57	23.56	23.61	23.71	24.40
10	16QAM	50	0	23.54	23.60	23.56	23.65	23.71	24.40
10	64QAM	1	0	23.43	23.64	23.58	23.64	23.78	24.40
10	64QAM	1	25	23.55	23.66	23.63	23.71	23.88	24.40
10	64QAM	1	49	23.48	23.53	23.53	23.54	23.73	24.40
10	64QAM	25	0	22.52	22.63	22.61	22.67	22.75	23.40
10	64QAM	25	12	22.53	22.61	22.59	22.66	22.76	23.40
10	64QAM	25	25	22.54	22.59	22.59	22.63	22.74	23.40
10	64QAM	50	0	22.49	22.55	22.54	22.61	22.67	23.40
10	256QAM	1	0	20.37	20.47	20.42	20.52	20.58	21.40
10	256QAM	1	25	20.14	20.23	20.22	20.42	20.56	21.40
10	256QAM	1	49	20.33	20.37	20.34	20.43	20.52	21.40
10	256QAM	25	0	20.47	20.55	20.53	20.61	20.68	21.40
10	256QAM	25	12	20.46	20.53	20.50	20.58	20.68	21.40
10	256QAM	25	25	20.48	20.52	20.49	20.58	20.66	21.40
10	256QAM	50	0	20.51	20.59	20.57	20.65	20.71	21.40
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.48	25.66	25.67	25.67	25.67	26.40
5	QPSK	1	12	25.51	25.60	25.62	25.66	25.65	26.40
5	QPSK	1	24	25.50	25.59	25.65	25.61	25.67	26.40
5	QPSK	12	0	23.56	23.62	23.65	23.71	23.68	25.40

5	QPSK	12	7	23.55	23.61	23.61	23.66	23.66	25.40
5	QPSK	12	13	23.58	23.62	23.63	23.69	23.66	25.40
5	QPSK	25	0	23.62	23.66	23.66	23.72	23.70	25.40
5	16QAM	1	0	23.77	23.93	23.93	23.94	24.07	25.40
5	16QAM	1	12	23.88	23.98	23.98	24.01	24.09	25.40
5	16QAM	1	24	23.81	23.88	23.91	23.90	24.04	25.40
5	16QAM	12	0	23.59	23.68	23.70	23.73	23.77	24.40
5	16QAM	12	7	23.59	23.68	23.67	23.71	23.76	24.40
5	16QAM	12	13	23.59	23.67	23.68	23.71	23.76	24.40
5	16QAM	25	0	23.61	23.68	23.67	23.72	23.77	24.40
5	64QAM	1	0	23.47	23.61	23.61	23.63	23.76	24.40
5	64QAM	1	12	23.44	23.53	23.57	23.62	23.73	24.40
5	64QAM	1	24	23.52	23.60	23.61	23.60	23.76	24.40
5	64QAM	12	0	22.59	22.69	22.70	22.73	22.79	23.40
5	64QAM	12	7	22.61	22.70	22.69	22.72	22.80	23.40
5	64QAM	12	13	22.60	22.67	22.68	22.72	22.78	23.40
5	64QAM	25	0	22.63	22.70	22.69	22.74	22.80	23.40
5	256QAM	1	0	20.42	20.49	20.47	20.56	20.59	21.40
5	256QAM	1	12	20.41	20.46	20.42	20.53	20.51	21.40
5	256QAM	1	24	20.43	20.49	20.49	20.54	20.62	21.40
5	256QAM	12	0	20.61	20.68	20.67	20.72	20.78	21.40
5	256QAM	12	7	20.60	20.68	20.63	20.70	20.78	21.40
5	256QAM	12	13	20.61	20.66	20.65	20.70	20.77	21.40
5	256QAM	25	0	20.57	20.63	20.60	20.68	20.73	21.40

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 0_Index 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.40	25.60	25.59	25.61	25.68	26.40
20	QPSK	1	49	25.32	25.46	25.48	25.50	25.54	26.40
20	QPSK	1	99	25.35	25.46	25.50	25.48	25.55	26.40
20	QPSK	50	0	23.58	23.58	23.57	23.64	23.67	25.40
20	QPSK	50	24	23.56	23.54	23.53	23.64	23.58	25.40
20	QPSK	50	50	23.56	23.52	23.49	23.60	23.54	25.40
20	QPSK	100	0	23.54	23.54	23.53	23.61	23.57	25.40
20	16QAM	1	0	23.74	23.92	23.86	23.94	23.93	25.40
20	16QAM	1	49	23.72	23.76	23.75	23.78	23.86	25.40
20	16QAM	1	99	23.83	23.76	23.78	23.78	23.91	25.40
20	16QAM	50	0	23.59	23.63	23.60	23.69	23.68	24.40
20	16QAM	50	24	23.60	23.61	23.59	23.66	23.65	24.40
20	16QAM	50	50	23.61	23.57	23.56	23.63	23.63	24.40
20	16QAM	100	0	23.58	23.58	23.57	23.63	23.62	24.40
20	64QAM	1	0	23.50	23.68	23.61	23.68	23.67	24.40
20	64QAM	1	49	23.49	23.53	23.51	23.54	23.62	24.40
20	64QAM	1	99	23.57	23.47	23.51	23.51	23.64	24.40
20	64QAM	50	0	22.53	22.60	22.56	22.64	22.63	23.40
20	64QAM	50	24	22.53	22.54	22.53	22.61	22.60	23.40
20	64QAM	50	50	22.55	22.53	22.52	22.58	22.58	23.40
20	64QAM	100	0	22.53	22.54	22.53	22.60	22.60	23.40
20	256QAM	1	0	20.41	20.52	20.45	20.55	20.53	21.40
20	256QAM	1	49	20.35	20.37	20.36	20.44	20.43	21.40
20	256QAM	1	99	20.43	20.33	20.35	20.40	20.45	21.40
20	256QAM	50	0	20.56	20.62	20.61	20.67	20.66	21.40
20	256QAM	50	24	20.58	20.58	20.58	20.65	20.63	21.40
20	256QAM	50	50	20.59	20.55	20.56	20.62	20.62	21.40
20	256QAM	100	0	20.52	20.54	20.54	20.60	20.59	21.40
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.59	25.59	25.59	25.62	25.63	26.40
15	QPSK	1	37	25.36	25.42	25.40	25.44	25.44	26.40
15	QPSK	1	74	25.51	25.53	25.51	25.53	25.59	26.40
15	QPSK	36	0	23.63	23.73	23.70	23.74	23.78	25.40
15	QPSK	36	20	23.64	23.69	23.65	23.71	23.76	25.40
15	QPSK	36	39	23.66	23.67	23.65	23.69	23.75	25.40
15	QPSK	75	0	23.64	23.68	23.66	23.72	23.70	25.40
15	16QAM	1	0	23.82	24.02	23.96	24.01	24.07	25.40
15	16QAM	1	37	23.91	23.97	24.00	23.99	24.08	25.40
15	16QAM	1	74	23.89	23.89	23.92	23.89	24.03	25.40
15	16QAM	36	0	23.60	23.72	23.67	23.71	23.79	24.40
15	16QAM	36	20	23.62	23.69	23.64	23.67	23.78	24.40
15	16QAM	36	39	23.63	23.65	23.63	23.66	23.77	24.40
15	16QAM	75	0	23.67	23.72	23.70	23.73	23.77	24.40

15	64QAM	1	0	23.56	23.75	23.70	23.75	23.80	24.40
15	64QAM	1	37	23.54	23.63	23.67	23.67	23.79	24.40
15	64QAM	1	74	23.63	23.62	23.63	23.61	23.77	24.40
15	64QAM	36	0	22.58	22.70	22.62	22.68	22.77	23.40
15	64QAM	36	20	22.59	22.66	22.59	22.65	22.76	23.40
15	64QAM	36	39	22.60	22.62	22.59	22.62	22.75	23.40
15	64QAM	75	0	22.63	22.68	22.65	22.70	22.73	23.40
15	256QAM	1	0	20.47	20.59	20.53	20.61	20.62	21.40
15	256QAM	1	37	20.42	20.44	20.42	20.48	20.46	21.40
15	256QAM	1	74	20.51	20.50	20.47	20.53	20.60	21.40
15	256QAM	36	0	20.52	20.62	20.58	20.66	20.67	21.40
15	256QAM	36	20	20.53	20.59	20.56	20.64	20.66	21.40
15	256QAM	36	39	20.54	20.57	20.55	20.61	20.65	21.40
15	256QAM	75	0	20.59	20.64	20.61	20.66	20.71	21.40
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.34	25.54	25.54	25.56	25.60	26.40
10	QPSK	1	25	25.41	25.54	25.57	25.55	25.59	26.40
10	QPSK	1	49	25.44	25.48	25.52	25.50	25.58	26.40
10	QPSK	25	0	23.50	23.56	23.56	23.62	23.65	25.40
10	QPSK	25	12	23.51	23.56	23.54	23.61	23.63	25.40
10	QPSK	25	25	23.52	23.54	23.53	23.60	23.63	25.40
10	QPSK	50	0	23.51	23.55	23.53	23.61	23.62	25.40
10	16QAM	1	0	23.67	23.87	23.81	23.87	24.01	25.40
10	16QAM	1	25	23.86	23.98	23.95	24.02	24.21	25.40
10	16QAM	1	49	23.72	23.79	23.80	23.78	23.97	25.40
10	16QAM	25	0	23.50	23.60	23.59	23.65	23.72	24.40
10	16QAM	25	12	23.51	23.59	23.56	23.63	23.71	24.40
10	16QAM	25	25	23.52	23.57	23.56	23.61	23.71	24.40
10	16QAM	50	0	23.54	23.60	23.56	23.65	23.71	24.40
10	64QAM	1	0	23.43	23.64	23.58	23.64	23.78	24.40
10	64QAM	1	25	23.55	23.66	23.63	23.71	23.88	24.40
10	64QAM	1	49	23.48	23.53	23.53	23.54	23.73	24.40
10	64QAM	25	0	22.52	22.63	22.61	22.67	22.75	23.40
10	64QAM	25	12	22.53	22.61	22.59	22.66	22.76	23.40
10	64QAM	25	25	22.54	22.59	22.59	22.63	22.74	23.40
10	64QAM	50	0	22.49	22.55	22.54	22.61	22.67	23.40
10	256QAM	1	0	20.37	20.47	20.42	20.52	20.58	21.40
10	256QAM	1	25	20.14	20.23	20.22	20.42	20.56	21.40
10	256QAM	1	49	20.33	20.37	20.34	20.43	20.52	21.40
10	256QAM	25	0	20.47	20.55	20.53	20.61	20.68	21.40
10	256QAM	25	12	20.46	20.53	20.50	20.58	20.68	21.40
10	256QAM	25	25	20.48	20.52	20.49	20.58	20.66	21.40
10	256QAM	50	0	20.51	20.59	20.57	20.65	20.71	21.40
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	25.48	25.66	25.67	25.67	25.67	26.40
5	QPSK	1	12	25.51	25.60	25.62	25.66	25.65	26.40
5	QPSK	1	24	25.50	25.59	25.65	25.61	25.67	26.40
5	QPSK	12	0	23.56	23.62	23.65	23.71	23.68	25.40
5	QPSK	12	7	23.55	23.61	23.61	23.66	23.66	25.40
5	QPSK	12	13	23.58	23.62	23.63	23.69	23.66	25.40
5	QPSK	25	0	23.62	23.66	23.66	23.72	23.70	25.40
5	16QAM	1	0	23.77	23.93	23.93	23.94	24.07	25.40
5	16QAM	1	12	23.88	23.98	23.98	24.01	24.09	25.40
5	16QAM	1	24	23.81	23.88	23.91	23.90	24.04	25.40
5	16QAM	12	0	23.59	23.68	23.70	23.73	23.77	24.40
5	16QAM	12	7	23.59	23.68	23.67	23.71	23.76	24.40
5	16QAM	12	13	23.59	23.67	23.68	23.71	23.76	24.40
5	16QAM	25	0	23.61	23.68	23.67	23.72	23.77	24.40
5	64QAM	1	0	23.47	23.61	23.61	23.63	23.76	24.40
5	64QAM	1	12	23.44	23.53	23.57	23.62	23.73	24.40
5	64QAM	1	24	23.52	23.60	23.61	23.60	23.76	24.40
5	64QAM	12	0	22.59	22.69	22.70	22.73	22.79	23.40
5	64QAM	12	7	22.61	22.70	22.69	22.72	22.80	23.40
5	64QAM	12	13	22.60	22.67	22.68	22.72	22.78	23.40
5	64QAM	25	0	22.63	22.70	22.69	22.74	22.80	23.40
5	256QAM	1	0	20.42	20.49	20.47	20.56	20.59	21.40
5	256QAM	1	12	20.41	20.46	20.42	20.53	20.51	21.40
5	256QAM	1	24	20.43	20.49	20.49	20.54	20.62	21.40
5	256QAM	12	0	20.61	20.68	20.67	20.72	20.78	21.40
5	256QAM	12	7	20.60	20.68	20.63	20.70	20.78	21.40
5	256QAM	12	13	20.61	20.66	20.65	20.70	20.77	21.40
5	256QAM	25	0	20.57	20.63	20.60	20.68	20.73	21.40

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 0_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	2680
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.64	20.70	20.72	20.80	20.86	22.10
20	QPSK	1	49	20.58	20.48	20.50	20.56	20.66	22.10
20	QPSK	1	99	20.54	20.47	20.53	20.57	20.68	22.10
20	QPSK	50	0	20.62	20.69	20.71	20.78	20.80	22.10
20	QPSK	50	24	20.60	20.65	20.67	20.76	20.76	22.10
20	QPSK	50	50	20.60	20.61	20.63	20.73	20.72	22.10
20	QPSK	100	0	20.59	20.63	20.65	20.74	20.76	22.10
20	16QAM	1	0	20.53	20.60	20.69	20.72	20.77	22.10
20	16QAM	1	49	20.56	20.41	20.39	20.46	20.65	22.10
20	16QAM	1	99	20.51	20.38	20.46	20.49	20.67	22.10
20	16QAM	50	0	20.53	20.58	20.67	20.68	20.75	22.10
20	16QAM	50	24	20.59	20.55	20.58	20.65	20.71	22.10
20	16QAM	50	50	20.55	20.55	20.62	20.72	20.68	22.10
20	16QAM	100	0	20.56	20.57	20.62	20.71	20.74	22.10
20	64QAM	1	0	20.63	20.62	20.71	20.76	20.85	22.10
20	64QAM	1	49	20.49	20.39	20.39	20.50	20.56	22.10
20	64QAM	1	99	20.46	20.41	20.45	20.56	20.63	22.10
20	64QAM	50	0	20.58	20.68	20.61	20.67	20.77	22.10
20	64QAM	50	24	20.58	20.62	20.65	20.65	20.73	22.10
20	64QAM	50	50	20.53	20.50	20.52	20.65	20.64	22.10
20	64QAM	100	0	20.55	20.54	20.62	20.73	20.74	22.10
20	256QAM	1	0	20.54	20.62	20.71	20.70	20.85	21.90
20	256QAM	1	49	20.57	20.38	20.43	20.54	20.64	21.90
20	256QAM	1	99	20.51	20.46	20.44	20.47	20.67	21.90
20	256QAM	50	0	20.53	20.66	20.61	20.67	20.70	21.90
20	256QAM	50	24	20.59	20.64	20.62	20.69	20.67	21.90
20	256QAM	50	50	20.51	20.51	20.58	20.66	20.70	21.90
20	256QAM	100	0	20.50	20.60	20.64	20.68	20.72	21.90
Channel				39725	40173	40620	41068	41515	2682.5
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.61	20.60	20.61	20.68	20.77	22.10
15	QPSK	1	37	20.53	20.46	20.45	20.53	20.55	22.10
15	QPSK	1	74	20.46	20.32	20.43	20.47	20.65	22.10
15	QPSK	36	0	20.61	20.55	20.64	20.71	20.74	22.10
15	QPSK	36	20	20.59	20.59	20.61	20.63	20.70	22.10
15	QPSK	36	39	20.46	20.56	20.52	20.69	20.58	22.10
15	QPSK	75	0	20.53	20.51	20.61	20.70	20.64	22.10
15	16QAM	1	0	20.38	20.49	20.57	20.64	20.71	22.10
15	16QAM	1	37	20.51	20.35	20.34	20.38	20.59	22.10
15	16QAM	1	74	20.47	20.24	20.37	20.48	20.66	22.10
15	16QAM	36	0	20.45	20.50	20.61	20.55	20.66	22.10
15	16QAM	36	20	20.51	20.50	20.48	20.57	20.62	22.10
15	16QAM	36	39	20.41	20.48	20.59	20.68	20.56	22.10
15	16QAM	75	0	20.47	20.44	20.58	20.64	20.72	22.10
15	64QAM	1	0	20.61	20.47	20.58	20.73	20.74	22.10
15	64QAM	1	37	20.47	20.27	20.33	20.42	20.50	22.10
15	64QAM	1	74	20.36	20.38	20.37	20.42	20.50	22.10
15	64QAM	36	0	20.54	20.62	20.59	20.58	20.69	22.10
15	64QAM	36	20	20.55	20.60	20.52	20.54	20.64	22.10
15	64QAM	36	39	20.46	20.44	20.51	20.64	20.54	22.10
15	64QAM	75	0	20.49	20.48	20.50	20.59	20.61	22.10
15	256QAM	1	0	20.39	20.50	20.61	20.66	20.77	21.90
15	256QAM	1	37	20.48	20.32	20.31	20.48	20.51	21.90
15	256QAM	1	74	20.49	20.43	20.36	20.45	20.52	21.90
15	256QAM	36	0	20.48	20.58	20.60	20.60	20.67	21.90
15	256QAM	36	20	20.45	20.54	20.57	20.65	20.65	21.90
15	256QAM	36	39	20.39	20.42	20.52	20.59	20.68	21.90
15	256QAM	75	0	20.47	20.56	20.54	20.62	20.68	21.90
Channel				39700	40150	40620	41080	41540	2685
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.50	20.64	20.64	20.73	20.71	22.10
10	QPSK	1	25	20.55	20.40	20.38	20.51	20.62	22.10
10	QPSK	1	49	20.48	20.35	20.44	20.47	20.62	22.10
10	QPSK	25	0	20.55	20.61	20.65	20.75	20.73	22.10
10	QPSK	25	12	20.54	20.52	20.66	20.61	20.65	22.10
10	QPSK	25	25	20.49	20.49	20.58	20.68	20.61	22.10
10	QPSK	50	0	20.54	20.54	20.64	20.64	20.62	22.10
10	16QAM	1	0	20.40	20.52	20.60	20.68	20.72	22.10
10	16QAM	1	25	20.41	20.27	20.35	20.36	20.61	22.10

10	16QAM	1	49	20.40	20.36	20.35	20.38	20.62	22.10
10	16QAM	25	0	20.44	20.49	20.61	20.62	20.68	22.10
10	16QAM	25	12	20.55	20.51	20.57	20.52	20.68	22.10
10	16QAM	25	25	20.53	20.52	20.57	20.63	20.62	22.10
10	16QAM	50	0	20.50	20.45	20.55	20.68	20.66	22.10
10	64QAM	1	0	20.62	20.57	20.60	20.67	20.84	22.10
10	64QAM	1	25	20.35	20.33	20.32	20.39	20.49	22.10
10	64QAM	1	49	20.36	20.35	20.39	20.42	20.54	22.10
10	64QAM	25	0	20.48	20.55	20.57	20.57	20.75	22.10
10	64QAM	25	12	20.47	20.49	20.61	20.52	20.70	22.10
10	64QAM	25	25	20.50	20.49	20.51	20.57	20.62	22.10
10	64QAM	50	0	20.43	20.41	20.49	20.64	20.65	22.10
10	256QAM	1	0	20.46	20.57	20.69	20.65	20.84	21.90
10	256QAM	1	25	20.55	20.35	20.40	20.41	20.49	21.90
10	256QAM	1	49	20.46	20.32	20.36	20.32	20.61	21.90
10	256QAM	25	0	20.49	20.64	20.50	20.61	20.62	21.90
10	256QAM	25	12	20.49	20.59	20.53	20.66	20.58	21.90
10	256QAM	25	25	20.47	20.40	20.46	20.52	20.65	21.90
10	256QAM	50	0	20.41	20.54	20.55	20.57	20.61	21.90
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	20.57	20.68	20.69	20.66	20.80	22.10
5	QPSK	1	12	20.51	20.38	20.37	20.47	20.64	22.10
5	QPSK	1	24	20.39	20.33	20.51	20.48	20.59	22.10
5	QPSK	12	0	20.51	20.56	20.69	20.66	20.77	22.10
5	QPSK	12	7	20.56	20.64	20.63	20.66	20.74	22.10
5	QPSK	12	13	20.58	20.57	20.58	20.68	20.61	22.10
5	QPSK	25	0	20.57	20.59	20.60	20.61	20.71	22.10
5	16QAM	1	0	20.47	20.52	20.64	20.63	20.68	22.10
5	16QAM	1	12	20.50	20.37	20.25	20.34	20.62	22.10
5	16QAM	1	24	20.45	20.28	20.44	20.37	20.55	22.10
5	16QAM	12	0	20.47	20.46	20.52	20.54	20.67	22.10
5	16QAM	12	7	20.54	20.44	20.51	20.60	20.58	22.10
5	16QAM	12	13	20.52	20.54	20.60	20.58	20.58	22.10
5	16QAM	25	0	20.48	20.55	20.54	20.66	20.62	22.10
5	64QAM	1	0	20.53	20.57	20.67	20.66	20.70	22.10
5	64QAM	1	12	20.48	20.27	20.27	20.47	20.46	22.10
5	64QAM	1	24	20.33	20.40	20.36	20.52	20.54	22.10
5	64QAM	12	0	20.46	20.67	20.57	20.62	20.72	22.10
5	64QAM	12	7	20.50	20.58	20.56	20.51	20.65	22.10
5	64QAM	12	13	20.38	20.45	20.44	20.58	20.62	22.10
5	64QAM	25	0	20.43	20.44	20.55	20.66	20.59	22.10
5	256QAM	1	0	20.43	20.55	20.60	20.63	20.72	21.90
5	256QAM	1	12	20.44	20.28	20.28	20.46	20.60	21.90
5	256QAM	1	24	20.40	20.38	20.36	20.44	20.60	21.90
5	256QAM	12	0	20.42	20.55	20.51	20.62	20.61	21.90
5	256QAM	12	7	20.44	20.58	20.55	20.59	20.64	21.90
5	256QAM	12	13	20.40	20.43	20.50	20.61	20.60	21.90
5	256QAM	25	0	20.46	20.57	20.54	20.59	20.70	21.90

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 0_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.64	20.70	20.72	20.80	20.86	20.90
20	QPSK	1	49	20.58	20.48	20.50	20.56	20.66	20.90
20	QPSK	1	99	20.54	20.47	20.53	20.57	20.68	20.90
20	QPSK	50	0	20.62	20.69	20.71	20.78	20.80	20.90
20	QPSK	50	24	20.60	20.65	20.67	20.76	20.76	20.90
20	QPSK	50	50	20.60	20.61	20.63	20.73	20.72	20.90
20	QPSK	100	0	20.59	20.63	20.65	20.74	20.76	20.90
20	16QAM	1	0	20.53	20.60	20.69	20.72	20.77	20.90
20	16QAM	1	49	20.56	20.41	20.39	20.46	20.65	20.90
20	16QAM	1	99	20.51	20.38	20.46	20.49	20.67	20.90
20	16QAM	50	0	20.53	20.58	20.67	20.68	20.75	20.90
20	16QAM	50	24	20.59	20.55	20.58	20.65	20.71	20.90
20	16QAM	50	50	20.55	20.55	20.62	20.72	20.68	20.90
20	16QAM	100	0	20.56	20.57	20.62	20.71	20.74	20.90
20	64QAM	1	0	20.63	20.62	20.71	20.76	20.85	20.90
20	64QAM	1	49	20.49	20.39	20.39	20.50	20.56	20.90
20	64QAM	1	99	20.46	20.41	20.45	20.56	20.63	20.90
20	64QAM	50	0	20.58	20.68	20.61	20.67	20.77	20.90
20	64QAM	50	24	20.58	20.62	20.65	20.65	20.73	20.90

20	64QAM	50	50	20.53	20.50	20.52	20.65	20.64	20.90
20	64QAM	100	0	20.55	20.54	20.62	20.73	20.74	20.90
20	256QAM	1	0	20.54	20.62	20.71	20.70	20.85	20.90
20	256QAM	1	49	20.57	20.38	20.43	20.54	20.64	20.90
20	256QAM	1	99	20.51	20.46	20.44	20.47	20.67	20.90
20	256QAM	50	0	20.53	20.66	20.61	20.67	20.70	20.90
20	256QAM	50	24	20.59	20.64	20.62	20.69	20.67	20.90
20	256QAM	50	50	20.51	20.51	20.58	20.66	20.70	20.90
20	256QAM	100	0	20.50	20.60	20.64	20.68	20.72	20.90
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.61	20.60	20.61	20.68	20.77	20.90
15	QPSK	1	37	20.53	20.46	20.45	20.53	20.55	20.90
15	QPSK	1	74	20.46	20.32	20.43	20.47	20.65	20.90
15	QPSK	36	0	20.61	20.55	20.64	20.71	20.74	20.90
15	QPSK	36	20	20.59	20.59	20.61	20.63	20.70	20.90
15	QPSK	36	39	20.46	20.56	20.52	20.69	20.58	20.90
15	QPSK	75	0	20.53	20.51	20.61	20.70	20.64	20.90
15	16QAM	1	0	20.38	20.49	20.57	20.64	20.71	20.90
15	16QAM	1	37	20.51	20.35	20.34	20.38	20.59	20.90
15	16QAM	1	74	20.47	20.24	20.37	20.48	20.66	20.90
15	16QAM	36	0	20.45	20.50	20.61	20.55	20.66	20.90
15	16QAM	36	20	20.51	20.50	20.48	20.57	20.62	20.90
15	16QAM	36	39	20.41	20.48	20.59	20.68	20.56	20.90
15	16QAM	75	0	20.47	20.44	20.58	20.64	20.72	20.90
15	64QAM	1	0	20.61	20.47	20.58	20.73	20.74	20.90
15	64QAM	1	37	20.47	20.27	20.33	20.42	20.50	20.90
15	64QAM	1	74	20.36	20.38	20.37	20.42	20.50	20.90
15	64QAM	36	0	20.54	20.62	20.59	20.58	20.69	20.90
15	64QAM	36	20	20.55	20.60	20.52	20.54	20.64	20.90
15	64QAM	36	39	20.46	20.44	20.51	20.64	20.54	20.90
15	64QAM	75	0	20.49	20.48	20.50	20.59	20.61	20.90
15	256QAM	1	0	20.39	20.50	20.61	20.66	20.77	20.90
15	256QAM	1	37	20.48	20.32	20.31	20.48	20.51	20.90
15	256QAM	1	74	20.49	20.43	20.36	20.45	20.52	20.90
15	256QAM	36	0	20.48	20.58	20.60	20.60	20.67	20.90
15	256QAM	36	20	20.45	20.54	20.57	20.65	20.65	20.90
15	256QAM	36	39	20.39	20.42	20.52	20.59	20.68	20.90
15	256QAM	75	0	20.47	20.56	20.54	20.62	20.68	20.90
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.50	20.64	20.64	20.73	20.71	20.90
10	QPSK	1	25	20.55	20.40	20.38	20.51	20.62	20.90
10	QPSK	1	49	20.48	20.35	20.44	20.47	20.62	20.90
10	QPSK	25	0	20.55	20.61	20.65	20.75	20.73	20.90
10	QPSK	25	12	20.54	20.52	20.66	20.61	20.65	20.90
10	QPSK	25	25	20.49	20.49	20.58	20.68	20.61	20.90
10	QPSK	50	0	20.54	20.54	20.64	20.64	20.62	20.90
10	16QAM	1	0	20.40	20.52	20.60	20.68	20.72	20.90
10	16QAM	1	25	20.41	20.27	20.35	20.36	20.61	20.90
10	16QAM	1	49	20.40	20.36	20.35	20.38	20.62	20.90
10	16QAM	25	0	20.44	20.49	20.61	20.62	20.68	20.90
10	16QAM	25	12	20.55	20.51	20.57	20.52	20.68	20.90
10	16QAM	25	25	20.53	20.52	20.57	20.63	20.62	20.90
10	16QAM	50	0	20.50	20.45	20.55	20.68	20.66	20.90
10	64QAM	1	0	20.62	20.57	20.60	20.67	20.84	20.90
10	64QAM	1	25	20.35	20.33	20.32	20.39	20.49	20.90
10	64QAM	1	49	20.36	20.35	20.39	20.42	20.54	20.90
10	64QAM	25	0	20.48	20.55	20.57	20.57	20.75	20.90
10	64QAM	25	12	20.47	20.49	20.61	20.52	20.70	20.90
10	64QAM	25	25	20.50	20.49	20.51	20.57	20.62	20.90
10	64QAM	50	0	20.43	20.41	20.49	20.64	20.65	20.90
10	256QAM	1	0	20.46	20.57	20.69	20.65	20.84	20.90
10	256QAM	1	25	20.55	20.35	20.40	20.41	20.49	20.90
10	256QAM	1	49	20.46	20.32	20.36	20.32	20.61	20.90
10	256QAM	25	0	20.49	20.64	20.50	20.61	20.62	20.90
10	256QAM	25	12	20.49	20.59	20.53	20.66	20.58	20.90
10	256QAM	25	25	20.47	20.40	20.46	20.52	20.65	20.90
10	256QAM	50	0	20.41	20.54	20.55	20.57	20.61	20.90
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	20.57	20.68	20.69	20.66	20.80	20.90
5	QPSK	1	12	20.51	20.38	20.37	20.47	20.64	20.90
5	QPSK	1	24	20.39	20.33	20.51	20.48	20.59	20.90
5	QPSK	12	0	20.51	20.56	20.69	20.66	20.77	20.90

5	QPSK	12	7	20.56	20.64	20.63	20.66	20.74	20.90
5	QPSK	12	13	20.58	20.57	20.58	20.68	20.61	20.90
5	QPSK	25	0	20.57	20.59	20.60	20.61	20.71	20.90
5	16QAM	1	0	20.47	20.52	20.64	20.63	20.68	20.90
5	16QAM	1	12	20.50	20.37	20.25	20.34	20.62	20.90
5	16QAM	1	24	20.45	20.28	20.44	20.37	20.55	20.90
5	16QAM	12	0	20.47	20.46	20.52	20.54	20.67	20.90
5	16QAM	12	7	20.54	20.44	20.51	20.60	20.58	20.90
5	16QAM	12	13	20.52	20.54	20.60	20.58	20.58	20.90
5	16QAM	25	0	20.48	20.55	20.54	20.66	20.62	20.90
5	64QAM	1	0	20.53	20.57	20.67	20.66	20.70	20.90
5	64QAM	1	12	20.48	20.27	20.27	20.47	20.46	20.90
5	64QAM	1	24	20.33	20.40	20.36	20.52	20.54	20.90
5	64QAM	12	0	20.46	20.67	20.57	20.62	20.72	20.90
5	64QAM	12	7	20.50	20.58	20.56	20.51	20.65	20.90
5	64QAM	12	13	20.38	20.45	20.44	20.58	20.62	20.90
5	64QAM	25	0	20.43	20.44	20.55	20.66	20.59	20.90
5	256QAM	1	0	20.43	20.55	20.60	20.63	20.72	20.90
5	256QAM	1	12	20.44	20.28	20.28	20.46	20.60	20.90
5	256QAM	1	24	20.40	20.38	20.36	20.44	20.60	20.90
5	256QAM	12	0	20.42	20.55	20.51	20.62	20.61	20.90
5	256QAM	12	7	20.44	20.58	20.55	20.59	20.64	20.90
5	256QAM	12	13	20.40	20.43	20.50	20.61	20.60	20.90
5	256QAM	25	0	20.46	20.57	20.54	20.59	20.70	20.90

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.39	24.28	24.46	24.32	24.41	25.10
20	QPSK	1	49	24.36	24.17	24.42	24.29	24.28	25.10
20	QPSK	1	99	24.26	24.19	24.28	24.17	24.27	25.10
20	QPSK	50	0	22.43	22.35	22.49	22.38	22.40	24.10
20	QPSK	50	24	22.40	22.32	22.44	22.31	22.38	24.10
20	QPSK	50	50	22.35	22.29	22.41	22.27	22.35	24.10
20	QPSK	100	0	22.35	22.31	22.44	22.30	22.38	24.10
20	16QAM	1	0	22.48	22.37	22.54	22.38	22.48	24.10
20	16QAM	1	49	22.43	22.30	22.45	22.27	22.43	24.10
20	16QAM	1	99	22.39	22.31	22.38	22.30	22.42	24.10
20	16QAM	50	0	22.41	22.34	22.50	22.39	22.42	23.10
20	16QAM	50	24	22.40	22.33	22.46	22.35	22.42	23.10
20	16QAM	50	50	22.37	22.30	22.42	22.31	22.40	23.10
20	16QAM	100	0	22.38	22.31	22.45	22.34	22.41	23.10
20	64QAM	1	0	22.06	21.97	22.15	22.02	22.09	23.10
20	64QAM	1	49	22.07	21.99	22.13	21.98	22.09	23.10
20	64QAM	1	99	21.98	21.90	22.01	21.89	22.01	23.10
20	64QAM	50	0	21.40	21.32	21.48	21.35	21.38	22.10
20	64QAM	50	24	21.37	21.28	21.41	21.31	21.37	22.10
20	64QAM	50	50	21.34	21.27	21.39	21.27	21.36	22.10
20	64QAM	100	0	21.37	21.30	21.43	21.32	21.37	22.10
20	256QAM	1	0	19.19	19.13	19.29	19.18	19.19	20.10
20	256QAM	1	49	19.15	19.19	19.33	19.18	19.24	20.10
20	256QAM	1	99	19.13	19.09	19.19	19.04	19.13	20.10
20	256QAM	50	0	19.42	19.33	19.49	19.36	19.43	20.10
20	256QAM	50	24	19.40	19.33	19.47	19.33	19.40	20.10
20	256QAM	50	50	19.38	19.31	19.42	19.30	19.39	20.10
20	256QAM	100	0	19.38	19.30	19.43	19.30	19.37	20.10
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.33	24.23	24.43	24.21	24.38	25.10
15	QPSK	1	37	24.35	24.03	24.37	24.26	24.17	25.10
15	QPSK	1	74	24.12	24.15	24.24	24.06	24.12	25.10
15	QPSK	36	0	22.41	22.32	22.41	22.30	22.32	24.10
15	QPSK	36	20	22.37	22.30	22.32	22.28	22.36	24.10
15	QPSK	36	39	22.22	22.23	22.35	22.17	22.31	24.10
15	QPSK	75	0	22.35	22.20	22.42	22.22	22.26	24.10
15	16QAM	1	0	22.43	22.25	22.46	22.36	22.47	24.10
15	16QAM	1	37	22.38	22.16	22.44	22.25	22.30	24.10
15	16QAM	1	74	22.27	22.28	22.27	22.21	22.34	24.10
15	16QAM	36	0	22.40	22.31	22.35	22.32	22.41	23.10
15	16QAM	36	20	22.29	22.26	22.44	22.24	22.41	23.10
15	16QAM	36	39	22.27	22.17	22.28	22.25	22.36	23.10
15	16QAM	75	0	22.32	22.19	22.30	22.32	22.37	23.10

15	64QAM	1	0	22.01	21.86	22.11	21.94	21.98	23.10
15	64QAM	1	37	22.02	21.87	22.09	21.97	22.04	23.10
15	64QAM	1	74	21.87	21.82	21.92	21.82	21.93	23.10
15	64QAM	36	0	21.26	21.28	21.45	21.30	21.33	22.10
15	64QAM	36	20	21.25	21.27	21.40	21.26	21.29	22.10
15	64QAM	36	39	21.31	21.22	21.29	21.26	21.34	22.10
15	64QAM	75	0	21.25	21.15	21.35	21.27	21.31	22.10
15	256QAM	1	0	19.13	19.04	19.25	19.15	19.05	20.10
15	256QAM	1	37	19.11	19.18	19.26	19.07	19.22	20.10
15	256QAM	1	74	19.02	18.95	19.16	18.98	19.04	20.10
15	256QAM	36	0	19.30	19.26	19.36	19.27	19.40	20.10
15	256QAM	36	20	19.37	19.21	19.44	19.21	19.26	20.10
15	256QAM	36	39	19.26	19.23	19.40	19.23	19.30	20.10
15	256QAM	75	0	19.29	19.16	19.29	19.18	19.36	20.10
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.30	24.26	24.41	24.22	24.27	25.10
10	QPSK	1	25	24.26	24.11	24.32	24.22	24.25	25.10
10	QPSK	1	49	24.11	24.18	24.20	24.03	24.15	25.10
10	QPSK	25	0	22.39	22.28	22.48	22.30	22.39	24.10
10	QPSK	25	12	22.27	22.20	22.33	22.26	22.27	24.10
10	QPSK	25	25	22.24	22.16	22.38	22.19	22.29	24.10
10	QPSK	50	0	22.36	22.27	22.31	22.21	22.27	24.10
10	16QAM	1	0	22.44	22.30	22.47	22.34	22.46	24.10
10	16QAM	1	25	22.39	22.23	22.36	22.24	22.41	24.10
10	16QAM	1	49	22.29	22.17	22.25	22.21	22.40	24.10
10	16QAM	25	0	22.40	22.20	22.45	22.33	22.39	23.10
10	16QAM	25	12	22.25	22.24	22.43	22.33	22.29	23.10
10	16QAM	25	25	22.28	22.20	22.28	22.18	22.38	23.10
10	16QAM	50	0	22.33	22.17	22.41	22.32	22.40	23.10
10	64QAM	1	0	21.93	21.95	22.04	21.88	22.04	23.10
10	64QAM	1	25	22.06	21.94	22.07	21.93	22.05	23.10
10	64QAM	1	49	21.84	21.83	21.89	21.74	21.88	23.10
10	64QAM	25	0	21.31	21.26	21.46	21.25	21.28	22.10
10	64QAM	25	12	21.22	21.16	21.37	21.19	21.33	22.10
10	64QAM	25	25	21.21	21.16	21.26	21.24	21.23	22.10
10	64QAM	50	0	21.30	21.28	21.32	21.29	21.23	22.10
10	256QAM	1	0	19.16	19.05	19.20	19.10	19.13	20.10
10	256QAM	1	25	19.04	19.07	19.19	19.07	19.21	20.10
10	256QAM	1	49	19.05	19.02	19.14	19.03	19.08	20.10
10	256QAM	25	0	19.38	19.30	19.43	19.23	19.35	20.10
10	256QAM	25	12	19.33	19.20	19.41	19.19	19.31	20.10
10	256QAM	25	25	19.26	19.26	19.33	19.17	19.30	20.10
10	256QAM	50	0	19.29	19.20	19.34	19.25	19.31	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	24.24	24.21	24.43	24.28	24.28	25.10
5	QPSK	1	12	24.25	24.11	24.39	24.22	24.23	25.10
5	QPSK	1	24	24.18	24.06	24.22	24.11	24.23	25.10
5	QPSK	12	0	22.33	22.25	22.43	22.25	22.33	24.10
5	QPSK	12	7	22.25	22.22	22.36	22.27	22.27	24.10
5	QPSK	12	13	22.23	22.23	22.32	22.19	22.21	24.10
5	QPSK	25	0	22.34	22.21	22.32	22.21	22.28	24.10
5	16QAM	1	0	22.36	22.24	22.43	22.35	22.36	24.10
5	16QAM	1	12	22.30	22.23	22.39	22.26	22.37	24.10
5	16QAM	1	24	22.32	22.23	22.28	22.18	22.39	24.10
5	16QAM	12	0	22.30	22.26	22.42	22.28	22.29	23.10
5	16QAM	12	7	22.28	22.19	22.39	22.33	22.40	23.10
5	16QAM	12	13	22.32	22.21	22.39	22.30	22.38	23.10
5	16QAM	25	0	22.29	22.26	22.31	22.26	22.32	23.10
5	64QAM	1	0	22.04	21.83	22.02	21.91	22.04	23.10
5	64QAM	1	12	22.04	21.92	22.10	21.87	22.06	23.10
5	64QAM	1	24	21.96	21.83	21.95	21.82	21.91	23.10
5	64QAM	12	0	21.33	21.17	21.40	21.27	21.27	22.10
5	64QAM	12	7	21.28	21.24	21.39	21.28	21.35	22.10
5	64QAM	12	13	21.25	21.25	21.37	21.25	21.30	22.10
5	64QAM	25	0	21.26	21.19	21.34	21.31	21.34	22.10
5	256QAM	1	0	19.09	19.10	19.27	19.15	19.13	20.10
5	256QAM	1	12	19.01	19.07	19.19	19.11	19.14	20.10
5	256QAM	1	24	19.07	19.02	19.18	18.93	19.01	20.10
5	256QAM	12	0	19.31	19.32	19.40	19.22	19.34	20.10
5	256QAM	12	7	19.27	19.18	19.39	19.32	19.37	20.10
5	256QAM	12	13	19.27	19.18	19.41	19.20	19.35	20.10
5	256QAM	25	0	19.34	19.26	19.40	19.16	19.24	20.10

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	24.10
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.11	22.12	22.22	22.16	22.10	24.10
20	QPSK	1	49	22.12	22.10	22.17	22.14	22.11	24.10
20	QPSK	1	99	22.16	22.17	22.16	22.16	22.15	24.10
20	QPSK	50	0	22.14	22.17	22.19	22.10	22.11	24.10
20	QPSK	50	24	22.15	22.14	22.16	22.13	22.18	24.10
20	QPSK	50	50	22.17	22.12	22.11	22.10	22.14	24.10
20	QPSK	100	0	22.17	22.13	22.18	22.13	22.16	24.10
20	16QAM	1	0	22.12	22.12	22.17	22.11	22.11	24.10
20	16QAM	1	49	22.10	22.10	22.12	22.16	22.19	24.10
20	16QAM	1	99	22.13	22.14	22.10	22.11	22.14	24.10
20	16QAM	50	0	22.05	21.99	22.12	21.99	22.05	23.10
20	16QAM	50	24	22.03	21.97	22.09	21.95	22.03	23.10
20	16QAM	50	50	22.01	21.94	22.05	21.92	21.99	23.10
20	16QAM	100	0	22.13	22.06	22.17	22.04	22.12	23.10
20	64QAM	1	0	21.81	21.72	21.88	21.74	21.81	23.10
20	64QAM	1	49	21.79	21.68	21.84	21.72	21.81	23.10
20	64QAM	1	99	21.71	21.64	21.73	21.63	21.74	23.10
20	64QAM	50	0	21.34	21.26	21.40	21.28	21.31	22.10
20	64QAM	50	24	21.30	21.22	21.36	21.25	21.31	22.10
20	64QAM	50	50	21.30	21.22	21.32	21.21	21.28	22.10
20	64QAM	100	0	21.32	21.25	21.34	21.25	21.30	22.10
20	256QAM	1	0	19.11	19.09	19.22	19.11	19.13	20.10
20	256QAM	1	49	19.14	18.95	19.20	19.06	19.12	20.10
20	256QAM	1	99	19.08	19.03	19.07	18.98	19.05	20.10
20	256QAM	50	0	19.36	19.29	19.43	19.30	19.36	20.10
20	256QAM	50	24	19.33	19.27	19.39	19.27	19.34	20.10
20	256QAM	50	50	19.33	19.26	19.36	19.24	19.33	20.10
20	256QAM	100	0	19.31	19.26	19.37	19.20	19.32	20.10
Channel				39725	40173	40620	41068	41515	24.10
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.19	22.17	22.19	22.13	22.16	24.10
15	QPSK	1	37	22.14	22.14	22.15	22.12	22.12	24.10
15	QPSK	1	74	22.16	22.13	22.19	22.14	22.13	24.10
15	QPSK	36	0	22.19	22.16	22.17	22.11	22.18	24.10
15	QPSK	36	20	22.18	22.15	22.14	22.11	22.13	24.10
15	QPSK	36	39	22.10	22.10	22.13	22.16	22.18	24.10
15	QPSK	75	0	22.17	22.13	22.19	22.19	22.12	24.10
15	16QAM	1	0	22.11	22.10	22.15	22.15	22.16	24.10
15	16QAM	1	37	22.16	22.17	22.17	22.18	22.12	24.10
15	16QAM	1	74	22.10	22.15	22.19	22.18	22.16	24.10
15	16QAM	36	0	22.00	21.84	22.00	21.85	21.91	23.10
15	16QAM	36	20	21.99	21.84	22.00	21.94	21.93	23.10
15	16QAM	36	39	21.92	21.82	21.93	21.78	21.95	23.10
15	16QAM	75	0	22.04	22.03	22.13	21.94	21.99	23.10
15	64QAM	1	0	21.73	21.64	21.80	21.63	21.69	23.10
15	64QAM	1	37	21.64	21.56	21.77	21.63	21.73	23.10
15	64QAM	1	74	21.56	21.49	21.65	21.54	21.72	23.10
15	64QAM	36	0	21.29	21.14	21.31	21.13	21.22	22.10
15	64QAM	36	20	21.28	21.13	21.32	21.16	21.23	22.10
15	64QAM	36	39	21.26	21.15	21.23	21.15	21.26	22.10
15	64QAM	75	0	21.22	21.22	21.30	21.23	21.18	22.10
15	256QAM	1	0	18.98	19.00	19.08	19.08	18.99	20.10
15	256QAM	1	37	19.00	18.80	19.12	18.91	19.09	20.10
15	256QAM	1	74	19.06	18.99	18.99	18.97	18.94	20.10
15	256QAM	36	0	19.32	19.25	19.36	19.15	19.26	20.10
15	256QAM	36	20	19.24	19.18	19.32	19.24	19.22	20.10
15	256QAM	36	39	19.21	19.24	19.29	19.12	19.30	20.10
15	256QAM	75	0	19.19	19.21	19.30	19.11	19.23	20.10
Channel				39700	40150	40620	41080	41540	24.10
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.18	22.10	22.19	22.15	22.10	24.10
10	QPSK	1	25	22.17	22.13	22.10	22.13	22.10	24.10
10	QPSK	1	49	22.11	22.12	22.18	22.15	22.11	24.10
10	QPSK	25	0	22.11	22.10	22.18	22.10	22.13	24.10
10	QPSK	25	12	22.10	22.13	22.13	22.12	22.16	24.10
10	QPSK	25	25	22.14	22.12	22.12	22.10	22.19	24.10
10	QPSK	50	0	22.15	22.13	22.17	22.13	22.15	24.10
10	16QAM	1	0	22.17	22.17	22.14	22.18	22.16	24.10
10	16QAM	1	25	22.14	22.18	22.11	22.17	22.11	24.10

10	16QAM	1	49	22.17	22.10	22.19	22.10	22.17	24.10
10	16QAM	25	0	22.01	21.90	22.05	21.90	21.94	23.10
10	16QAM	25	12	21.93	21.82	22.07	21.80	21.98	23.10
10	16QAM	25	25	21.87	21.93	21.94	21.80	21.88	23.10
10	16QAM	50	0	21.99	21.94	22.02	21.98	22.05	23.10
10	64QAM	1	0	21.76	21.57	21.78	21.66	21.77	23.10
10	64QAM	1	25	21.70	21.64	21.79	21.67	21.73	23.10
10	64QAM	1	49	21.64	21.51	21.59	21.62	21.68	23.10
10	64QAM	25	0	21.31	21.18	21.35	21.18	21.29	22.10
10	64QAM	25	12	21.26	21.11	21.28	21.22	21.22	22.10
10	64QAM	25	25	21.23	21.16	21.29	21.14	21.16	22.10
10	64QAM	50	0	21.18	21.15	21.26	21.12	21.22	22.10
10	256QAM	1	0	19.02	19.04	19.19	18.99	19.02	20.10
10	256QAM	1	25	19.12	18.86	19.11	18.99	19.00	20.10
10	256QAM	1	49	19.04	18.97	18.95	18.94	19.03	20.10
10	256QAM	25	0	19.33	19.23	19.40	19.23	19.27	20.10
10	256QAM	25	12	19.27	19.17	19.25	19.23	19.24	20.10
10	256QAM	25	25	19.20	19.14	19.21	19.16	19.30	20.10
10	256QAM	50	0	19.25	19.21	19.31	19.15	19.30	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.17	22.10	22.17	22.19	22.19	24.10
5	QPSK	1	12	22.14	22.15	22.14	22.13	22.19	24.10
5	QPSK	1	24	22.13	22.17	22.15	22.10	22.12	24.10
5	QPSK	12	0	22.15	22.19	22.12	22.11	22.13	24.10
5	QPSK	12	7	22.19	22.19	22.15	22.14	22.12	24.10
5	QPSK	12	13	22.18	22.18	22.17	22.17	22.19	24.10
5	QPSK	25	0	22.13	22.13	22.11	22.14	22.11	24.10
5	16QAM	1	0	22.11	22.10	22.16	22.18	22.19	24.10
5	16QAM	1	12	22.15	22.15	22.12	22.11	22.17	24.10
5	16QAM	1	24	22.12	22.19	22.16	22.17	22.17	24.10
5	16QAM	12	0	22.02	21.91	22.09	21.97	22.04	23.10
5	16QAM	12	7	21.88	21.89	21.98	21.91	21.99	23.10
5	16QAM	12	13	21.91	21.88	21.93	21.80	21.94	23.10
5	16QAM	25	0	22.05	21.97	22.10	21.94	22.10	23.10
5	64QAM	1	0	21.69	21.62	21.86	21.70	21.79	23.10
5	64QAM	1	12	21.69	21.57	21.71	21.67	21.68	23.10
5	64QAM	1	24	21.62	21.51	21.72	21.50	21.61	23.10
5	64QAM	12	0	21.23	21.22	21.36	21.17	21.18	22.10
5	64QAM	12	7	21.28	21.17	21.23	21.13	21.17	22.10
5	64QAM	12	13	21.21	21.07	21.19	21.12	21.26	22.10
5	64QAM	25	0	21.31	21.17	21.23	21.12	21.24	22.10
5	256QAM	1	0	19.04	18.97	19.10	19.01	19.05	20.10
5	256QAM	1	12	19.01	18.88	19.11	18.91	19.01	20.10
5	256QAM	1	24	19.03	18.90	19.01	18.93	18.97	20.10
5	256QAM	12	0	19.30	19.21	19.39	19.19	19.29	20.10
5	256QAM	12	7	19.29	19.23	19.26	19.19	19.21	20.10
5	256QAM	12	13	19.19	19.22	19.25	19.21	19.24	20.10
5	256QAM	25	0	19.21	19.15	19.26	19.15	19.30	20.10

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.11	22.12	22.22	22.16	22.10	22.60
20	QPSK	1	49	22.12	22.10	22.17	22.14	22.11	22.60
20	QPSK	1	99	22.16	22.17	22.16	22.16	22.15	22.60
20	QPSK	50	0	22.14	22.17	22.19	22.10	22.11	22.60
20	QPSK	50	24	22.15	22.14	22.16	22.13	22.18	22.60
20	QPSK	50	50	22.17	22.12	22.11	22.10	22.14	22.60
20	QPSK	100	0	22.17	22.13	22.18	22.13	22.16	22.60
20	16QAM	1	0	22.12	22.12	22.17	22.11	22.11	22.60
20	16QAM	1	49	22.10	22.10	22.12	22.16	22.19	22.60
20	16QAM	1	99	22.13	22.14	22.10	22.11	22.14	22.60
20	16QAM	50	0	22.05	21.99	22.12	21.99	22.05	22.60
20	16QAM	50	24	22.03	21.97	22.09	21.95	22.03	22.60
20	16QAM	50	50	22.01	21.94	22.05	21.92	21.99	22.60
20	16QAM	100	0	22.13	22.06	22.17	22.04	22.12	22.60
20	64QAM	1	0	21.81	21.72	21.88	21.74	21.81	22.60
20	64QAM	1	49	21.79	21.68	21.84	21.72	21.81	22.60
20	64QAM	1	99	21.71	21.64	21.73	21.63	21.74	22.60
20	64QAM	50	0	21.34	21.26	21.40	21.28	21.31	22.10
20	64QAM	50	24	21.30	21.22	21.36	21.25	21.31	22.10



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20	64QAM	50	50	21.30	21.22	21.32	21.21	21.28	22.10
20	64QAM	100	0	21.32	21.25	21.34	21.25	21.30	22.10
20	256QAM	1	0	19.11	19.09	19.22	19.11	19.13	20.10
20	256QAM	1	49	19.14	18.95	19.20	19.06	19.12	20.10
20	256QAM	1	99	19.08	19.03	19.07	18.98	19.05	20.10
20	256QAM	50	0	19.36	19.29	19.43	19.30	19.36	20.10
20	256QAM	50	24	19.33	19.27	19.39	19.27	19.34	20.10
20	256QAM	50	50	19.33	19.26	19.36	19.24	19.33	20.10
20	256QAM	100	0	19.31	19.26	19.37	19.20	19.32	20.10
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.19	22.17	22.19	22.13	22.16	22.60
15	QPSK	1	37	22.14	22.14	22.15	22.12	22.12	22.60
15	QPSK	1	74	22.16	22.13	22.19	22.14	22.13	22.60
15	QPSK	36	0	22.19	22.16	22.17	22.11	22.18	22.60
15	QPSK	36	20	22.18	22.15	22.14	22.11	22.13	22.60
15	QPSK	36	39	22.10	22.10	22.13	22.16	22.18	22.60
15	QPSK	75	0	22.17	22.13	22.19	22.19	22.12	22.60
15	16QAM	1	0	22.11	22.10	22.15	22.15	22.16	22.60
15	16QAM	1	37	22.16	22.17	22.17	22.18	22.12	22.60
15	16QAM	1	74	22.10	22.15	22.19	22.18	22.16	22.60
15	16QAM	36	0	22.00	21.84	22.00	21.85	21.91	22.60
15	16QAM	36	20	21.99	21.84	22.00	21.94	21.93	22.60
15	16QAM	36	39	21.92	21.82	21.93	21.78	21.95	22.60
15	16QAM	75	0	22.04	22.03	22.13	21.94	21.99	22.60
15	64QAM	1	0	21.73	21.64	21.80	21.63	21.69	22.60
15	64QAM	1	37	21.64	21.56	21.77	21.63	21.73	22.60
15	64QAM	1	74	21.56	21.49	21.65	21.54	21.72	22.60
15	64QAM	36	0	21.29	21.14	21.31	21.13	21.22	22.10
15	64QAM	36	20	21.28	21.13	21.32	21.16	21.23	22.10
15	64QAM	36	39	21.26	21.15	21.23	21.15	21.26	22.10
15	64QAM	75	0	21.22	21.22	21.30	21.23	21.18	22.10
15	256QAM	1	0	18.98	19.00	19.08	19.08	18.99	20.10
15	256QAM	1	37	19.00	18.80	19.12	18.91	19.09	20.10
15	256QAM	1	74	19.06	18.99	18.99	18.97	18.94	20.10
15	256QAM	36	0	19.32	19.25	19.36	19.15	19.26	20.10
15	256QAM	36	20	19.24	19.18	19.32	19.24	19.22	20.10
15	256QAM	36	39	19.21	19.24	19.29	19.12	19.30	20.10
15	256QAM	75	0	19.19	19.21	19.30	19.11	19.23	20.10
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.18	22.10	22.19	22.15	22.10	22.60
10	QPSK	1	25	22.17	22.13	22.10	22.13	22.10	22.60
10	QPSK	1	49	22.11	22.12	22.18	22.15	22.11	22.60
10	QPSK	25	0	22.11	22.10	22.18	22.10	22.13	22.60
10	QPSK	25	12	22.10	22.13	22.13	22.12	22.16	22.60
10	QPSK	25	25	22.14	22.12	22.12	22.10	22.19	22.60
10	QPSK	50	0	22.15	22.13	22.17	22.13	22.15	22.60
10	16QAM	1	0	22.17	22.17	22.14	22.18	22.16	22.60
10	16QAM	1	25	22.14	22.18	22.11	22.17	22.11	22.60
10	16QAM	1	49	22.17	22.10	22.19	22.10	22.17	22.60
10	16QAM	25	0	22.01	21.90	22.05	21.90	21.94	22.60
10	16QAM	25	12	21.93	21.82	22.07	21.80	21.98	22.60
10	16QAM	25	25	21.87	21.93	21.94	21.80	21.88	22.60
10	16QAM	50	0	21.99	21.94	22.02	21.98	22.05	22.60
10	64QAM	1	0	21.76	21.57	21.78	21.66	21.77	22.60
10	64QAM	1	25	21.70	21.64	21.79	21.67	21.73	22.60
10	64QAM	1	49	21.64	21.51	21.59	21.62	21.68	22.60
10	64QAM	25	0	21.31	21.18	21.35	21.18	21.29	22.10
10	64QAM	25	12	21.26	21.11	21.28	21.22	21.22	22.10
10	64QAM	25	25	21.23	21.16	21.29	21.14	21.16	22.10
10	64QAM	50	0	21.18	21.15	21.26	21.12	21.22	22.10
10	256QAM	1	0	19.02	19.04	19.19	18.99	19.02	20.10
10	256QAM	1	25	19.12	18.86	19.11	18.99	19.00	20.10
10	256QAM	1	49	19.04	18.97	18.95	18.94	19.03	20.10
10	256QAM	25	0	19.33	19.23	19.40	19.23	19.27	20.10
10	256QAM	25	12	19.27	19.17	19.25	19.23	19.24	20.10
10	256QAM	25	25	19.20	19.14	19.21	19.16	19.30	20.10
10	256QAM	50	0	19.25	19.21	19.31	19.15	19.30	20.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	22.17	22.10	22.17	22.19	22.19	22.60
5	QPSK	1	12	22.14	22.15	22.14	22.13	22.19	22.60
5	QPSK	1	24	22.13	22.17	22.15	22.10	22.12	22.60
5	QPSK	12	0	22.15	22.19	22.12	22.11	22.13	22.60

5	QPSK	12	7	22.19	22.19	22.15	22.14	22.12	22.60
5	QPSK	12	13	22.18	22.18	22.17	22.17	22.19	22.60
5	QPSK	25	0	22.13	22.13	22.11	22.14	22.11	22.60
5	16QAM	1	0	22.11	22.10	22.16	22.18	22.19	22.60
5	16QAM	1	12	22.15	22.15	22.12	22.11	22.17	22.60
5	16QAM	1	24	22.12	22.19	22.16	22.17	22.17	22.60
5	16QAM	12	0	22.02	21.91	22.09	21.97	22.04	22.60
5	16QAM	12	7	21.88	21.89	21.98	21.91	21.99	22.60
5	16QAM	12	13	21.91	21.88	21.93	21.80	21.94	22.60
5	16QAM	25	0	22.05	21.97	22.10	21.94	22.10	22.60
5	64QAM	1	0	21.69	21.62	21.86	21.70	21.79	22.60
5	64QAM	1	12	21.69	21.57	21.71	21.67	21.68	22.60
5	64QAM	1	24	21.62	21.51	21.72	21.50	21.61	22.60
5	64QAM	12	0	21.23	21.22	21.36	21.17	21.18	22.10
5	64QAM	12	7	21.28	21.17	21.23	21.13	21.17	22.10
5	64QAM	12	13	21.21	21.07	21.19	21.12	21.26	22.10
5	64QAM	25	0	21.31	21.17	21.23	21.12	21.24	22.10
5	256QAM	1	0	19.04	18.97	19.10	19.01	19.05	20.10
5	256QAM	1	12	19.01	18.88	19.11	18.91	19.01	20.10
5	256QAM	1	24	19.03	18.90	19.01	18.93	18.97	20.10
5	256QAM	12	0	19.30	19.21	19.39	19.19	19.29	20.10
5	256QAM	12	7	19.29	19.23	19.26	19.19	19.21	20.10
5	256QAM	12	13	19.19	19.22	19.25	19.21	19.24	20.10
5	256QAM	25	0	19.21	19.15	19.26	19.15	19.30	20.10

【LTE Band 41_FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.24	18.17	18.30	18.18	18.28	19.10
20	QPSK	1	49	18.10	18.06	18.07	18.07	18.15	19.10
20	QPSK	1	99	18.07	17.97	18.05	17.98	18.07	19.10
20	QPSK	50	0	18.13	18.03	18.28	18.13	18.18	19.10
20	QPSK	50	24	18.09	18.01	18.11	18.01	18.13	19.10
20	QPSK	50	50	18.07	17.98	18.05	17.97	18.10	19.10
20	QPSK	100	0	18.10	17.98	18.19	18.01	18.09	19.10
20	16QAM	1	0	18.13	18.05	18.14	18.06	18.13	19.10
20	16QAM	1	49	18.02	18.02	18.15	18.02	18.08	19.10
20	16QAM	1	99	18.07	18.06	18.13	18.01	18.08	19.10
20	16QAM	50	0	18.05	18.08	18.11	18.08	18.14	19.10
20	16QAM	50	24	18.04	18.08	18.10	18.04	18.15	19.10
20	16QAM	50	50	18.02	18.05	18.13	18.02	18.13	19.10
20	16QAM	100	0	18.03	18.06	18.16	18.02	18.15	19.10
20	64QAM	1	0	17.78	17.75	17.88	17.79	17.85	19.10
20	64QAM	1	49	17.79	17.75	17.85	17.72	17.81	19.10
20	64QAM	1	99	17.71	17.67	17.73	17.64	17.70	19.10
20	64QAM	50	0	18.04	18.05	18.14	18.06	18.15	19.10
20	64QAM	50	24	18.01	18.03	18.14	18.03	18.15	19.10
20	64QAM	50	50	18.10	18.03	18.10	18.01	18.12	19.10
20	64QAM	100	0	18.01	18.05	18.13	18.05	18.16	19.10
20	256QAM	1	0	17.94	17.93	18.06	17.96	18.03	19.10
20	256QAM	1	49	17.96	17.93	18.03	17.92	17.98	19.10
20	256QAM	1	99	17.90	17.86	17.94	17.82	17.88	19.10
20	256QAM	50	0	18.08	18.02	18.15	18.10	18.14	19.10
20	256QAM	50	24	18.08	18.09	18.11	18.08	18.14	19.10
20	256QAM	50	50	18.07	18.08	18.18	18.06	18.14	19.10
20	256QAM	100	0	18.04	18.08	18.18	18.07	18.08	19.10
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.13	18.08	18.17	18.05	18.21	19.10
15	QPSK	1	37	18.09	17.97	18.01	17.97	18.05	19.10
15	QPSK	1	74	17.97	17.85	17.95	17.94	17.92	19.10
15	QPSK	36	0	18.07	17.96	18.21	18.08	18.08	19.10
15	QPSK	36	20	18.03	17.93	18.02	17.86	17.98	19.10
15	QPSK	36	39	18.04	17.86	17.93	17.90	18.01	19.10
15	QPSK	75	0	18.05	17.94	18.12	17.97	18.08	19.10
15	16QAM	1	0	18.01	17.96	18.13	18.03	18.09	19.10
15	16QAM	1	37	17.94	18.00	18.01	17.88	17.94	19.10
15	16QAM	1	74	18.05	17.95	18.09	17.92	17.97	19.10
15	16QAM	36	0	17.96	17.97	18.10	18.07	18.10	19.10
15	16QAM	36	20	17.91	17.95	18.07	17.93	18.11	19.10
15	16QAM	36	39	17.93	17.95	18.01	17.97	18.02	19.10
15	16QAM	75	0	17.88	17.98	18.02	18.01	18.10	19.10

15	64QAM	1	0	17.63	17.73	17.84	17.71	17.75	19.10
15	64QAM	1	37	17.77	17.72	17.83	17.61	17.75	19.10
15	64QAM	1	74	17.58	17.63	17.65	17.61	17.64	19.10
15	64QAM	36	0	18.02	17.95	18.08	17.97	18.08	19.10
15	64QAM	36	20	17.98	17.88	18.10	17.88	18.14	19.10
15	64QAM	36	39	17.97	17.95	18.05	17.95	18.00	19.10
15	64QAM	75	0	17.91	17.91	18.01	17.99	18.09	19.10
15	256QAM	1	0	17.79	17.83	17.97	17.90	17.95	19.10
15	256QAM	1	37	17.83	17.85	17.99	17.90	17.86	19.10
15	256QAM	1	74	17.82	17.77	17.82	17.72	17.80	19.10
15	256QAM	36	0	17.96	17.90	18.13	17.96	18.00	19.10
15	256QAM	36	20	17.94	18.05	18.03	17.94	18.12	19.10
15	256QAM	36	39	17.98	18.06	18.03	17.93	18.11	19.10
15	256QAM	75	0	18.01	18.00	18.14	18.02	18.04	19.10
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.15	18.07	18.26	18.04	18.20	19.10
10	QPSK	1	25	18.06	17.95	17.98	17.99	18.09	19.10
10	QPSK	1	49	17.93	17.91	17.99	17.87	17.99	19.10
10	QPSK	25	0	18.06	17.97	18.23	18.01	18.15	19.10
10	QPSK	25	12	18.07	17.97	18.08	17.93	18.02	19.10
10	QPSK	25	25	17.96	17.94	18.02	17.93	18.08	19.10
10	QPSK	50	0	18.06	17.86	18.07	17.86	17.98	19.10
10	16QAM	1	0	18.11	18.03	18.06	17.93	18.07	19.10
10	16QAM	1	25	17.98	17.95	18.08	17.99	17.95	19.10
10	16QAM	1	49	17.93	17.97	18.05	17.98	18.06	19.10
10	16QAM	25	0	17.92	17.96	18.10	18.01	18.03	19.10
10	16QAM	25	12	18.02	17.98	17.95	17.94	18.09	19.10
10	16QAM	25	25	17.97	18.04	18.05	18.01	18.05	19.10
10	16QAM	50	0	17.99	18.00	18.06	17.88	18.12	19.10
10	64QAM	1	0	17.66	17.62	17.82	17.75	17.83	19.10
10	64QAM	1	25	17.77	17.71	17.81	17.68	17.76	19.10
10	64QAM	1	49	17.66	17.58	17.66	17.52	17.58	19.10
10	64QAM	25	0	18.00	17.95	18.06	17.98	18.08	19.10
10	64QAM	25	12	17.88	17.95	18.04	17.89	18.06	19.10
10	64QAM	25	25	18.07	17.99	17.97	17.93	18.02	19.10
10	64QAM	50	0	17.96	18.01	18.02	17.96	18.03	19.10
10	256QAM	1	0	17.81	17.89	18.02	17.88	17.96	19.10
10	256QAM	1	25	17.90	17.90	17.92	17.81	17.92	19.10
10	256QAM	1	49	17.87	17.79	17.91	17.79	17.85	19.10
10	256QAM	25	0	17.96	17.93	18.08	18.05	18.00	19.10
10	256QAM	25	12	17.97	18.00	18.01	18.00	18.00	19.10
10	256QAM	25	25	18.05	17.94	18.12	18.02	18.09	19.10
10	256QAM	50	0	17.95	18.03	18.09	18.03	17.98	19.10
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	18.09	18.11	18.24	18.03	18.15	19.10
5	QPSK	1	12	17.97	18.05	18.01	18.05	18.00	19.10
5	QPSK	1	24	17.92	17.90	17.91	17.94	17.97	19.10
5	QPSK	12	0	18.08	17.93	18.15	18.09	18.11	19.10
5	QPSK	12	7	18.07	17.88	17.96	17.93	18.08	19.10
5	QPSK	12	13	18.02	17.93	18.03	17.85	18.06	19.10
5	QPSK	25	0	18.05	17.86	18.13	17.97	17.96	19.10
5	16QAM	1	0	18.11	17.97	18.05	17.96	18.00	19.10
5	16QAM	1	12	17.93	17.97	18.10	17.95	18.00	19.10
5	16QAM	1	24	18.01	17.99	18.03	17.94	18.00	19.10
5	16QAM	12	0	17.92	18.05	17.98	17.96	18.05	19.10
5	16QAM	12	7	18.00	17.98	18.04	17.96	18.05	19.10
5	16QAM	12	13	17.94	18.03	18.06	17.90	17.99	19.10
5	16QAM	25	0	17.99	18.02	18.07	17.99	18.14	19.10
5	64QAM	1	0	17.64	17.62	17.75	17.74	17.79	19.10
5	64QAM	1	12	17.66	17.67	17.77	17.67	17.73	19.10
5	64QAM	1	24	17.65	17.56	17.71	17.58	17.60	19.10
5	64QAM	12	0	17.96	18.02	18.12	17.94	18.03	19.10
5	64QAM	12	7	17.87	17.93	18.11	17.90	18.11	19.10
5	64QAM	12	13	18.03	17.99	18.01	17.90	18.11	19.10
5	64QAM	25	0	17.86	17.97	18.08	18.02	18.03	19.10
5	256QAM	1	0	17.80	17.85	18.04	17.91	17.91	19.10
5	256QAM	1	12	17.92	17.88	17.97	17.89	17.93	19.10
5	256QAM	1	24	17.82	17.74	17.83	17.69	17.76	19.10
5	256QAM	12	0	17.95	17.99	18.02	18.02	18.13	19.10
5	256QAM	12	7	17.97	17.96	18.09	18.03	18.02	19.10
5	256QAM	12	13	17.94	18.03	18.05	17.92	18.02	19.10
5	256QAM	25	0	17.96	17.96	18.14	17.98	17.96	19.10

【LTE Band 41__FCC (2496~2690MHz)_Ant
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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				39750	40185	40620	41055	41490	18.40
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.24	18.17	18.30	18.18	18.28	18.40
20	QPSK	1	49	18.10	18.06	18.07	18.07	18.15	18.40
20	QPSK	1	99	18.07	17.97	18.05	17.98	18.07	18.40
20	QPSK	50	0	18.13	18.03	18.28	18.13	18.18	18.40
20	QPSK	50	24	18.09	18.01	18.11	18.01	18.13	18.40
20	QPSK	50	50	18.07	17.98	18.05	17.97	18.10	18.40
20	QPSK	100	0	18.10	17.98	18.19	18.01	18.09	18.40
20	16QAM	1	0	18.13	18.05	18.14	18.06	18.13	18.40
20	16QAM	1	49	18.02	18.02	18.15	18.02	18.08	18.40
20	16QAM	1	99	18.07	18.06	18.13	18.01	18.08	18.40
20	16QAM	50	0	18.05	18.08	18.11	18.08	18.14	18.40
20	16QAM	50	24	18.04	18.08	18.10	18.04	18.15	18.40
20	16QAM	50	50	18.02	18.05	18.13	18.02	18.13	18.40
20	16QAM	100	0	18.03	18.06	18.16	18.02	18.15	18.40
20	64QAM	1	0	17.78	17.75	17.88	17.79	17.85	18.40
20	64QAM	1	49	17.79	17.75	17.85	17.72	17.81	18.40
20	64QAM	1	99	17.71	17.67	17.73	17.64	17.70	18.40
20	64QAM	50	0	18.04	18.05	18.14	18.06	18.15	18.40
20	64QAM	50	24	18.01	18.03	18.14	18.03	18.15	18.40
20	64QAM	50	50	18.10	18.03	18.10	18.01	18.12	18.40
20	64QAM	100	0	18.01	18.05	18.13	18.05	18.16	18.40
20	256QAM	1	0	17.94	17.93	18.06	17.96	18.03	18.40
20	256QAM	1	49	17.96	17.93	18.03	17.92	17.98	18.40
20	256QAM	1	99	17.90	17.86	17.94	17.82	17.88	18.40
20	256QAM	50	0	18.08	18.02	18.15	18.10	18.14	18.40
20	256QAM	50	24	18.08	18.09	18.11	18.08	18.14	18.40
20	256QAM	50	50	18.07	18.08	18.18	18.06	18.14	18.40
20	256QAM	100	0	18.04	18.08	18.18	18.07	18.08	18.40
Channel				39725	40173	40620	41068	41515	18.40
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.13	18.08	18.17	18.05	18.21	18.40
15	QPSK	1	37	18.09	17.97	18.01	17.97	18.05	18.40
15	QPSK	1	74	17.97	17.85	17.95	17.94	17.92	18.40
15	QPSK	36	0	18.07	17.96	18.21	18.08	18.08	18.40
15	QPSK	36	20	18.03	17.93	18.02	17.86	17.98	18.40
15	QPSK	36	39	18.04	17.86	17.93	17.90	18.01	18.40
15	QPSK	75	0	18.05	17.94	18.12	17.97	18.08	18.40
15	16QAM	1	0	18.01	17.96	18.13	18.03	18.09	18.40
15	16QAM	1	37	17.94	18.00	18.01	17.88	17.94	18.40
15	16QAM	1	74	18.05	17.95	18.09	17.92	17.97	18.40
15	16QAM	36	0	17.96	17.97	18.10	18.07	18.10	18.40
15	16QAM	36	20	17.91	17.95	18.07	17.93	18.11	18.40
15	16QAM	36	39	17.93	17.95	18.01	17.97	18.02	18.40
15	16QAM	75	0	17.88	17.98	18.02	18.01	18.10	18.40
15	64QAM	1	0	17.63	17.73	17.84	17.71	17.75	18.40
15	64QAM	1	37	17.77	17.72	17.83	17.61	17.75	18.40
15	64QAM	1	74	17.58	17.63	17.65	17.61	17.64	18.40
15	64QAM	36	0	18.02	17.95	18.08	17.97	18.08	18.40
15	64QAM	36	20	17.98	17.88	18.10	17.88	18.14	18.40
15	64QAM	36	39	17.97	17.95	18.05	17.95	18.00	18.40
15	64QAM	75	0	17.91	17.91	18.01	17.99	18.09	18.40
15	256QAM	1	0	17.79	17.83	17.97	17.90	17.95	18.40
15	256QAM	1	37	17.83	17.85	17.99	17.90	17.86	18.40
15	256QAM	1	74	17.82	17.77	17.82	17.72	17.80	18.40
15	256QAM	36	0	17.96	17.90	18.13	17.96	18.00	18.40
15	256QAM	36	20	17.94	18.05	18.03	17.94	18.12	18.40
15	256QAM	36	39	17.98	18.06	18.03	17.93	18.11	18.40
15	256QAM	75	0	18.01	18.00	18.14	18.02	18.04	18.40
Channel				39700	40150	40620	41080	41540	18.40
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.15	18.07	18.26	18.04	18.20	18.40
10	QPSK	1	25	18.06	17.95	17.98	17.99	18.09	18.40
10	QPSK	1	49	17.93	17.91	17.99	17.87	17.99	18.40
10	QPSK	25	0	18.06	17.97	18.23	18.01	18.15	18.40
10	QPSK	25	12	18.07	17.97	18.08	17.93	18.02	18.40
10	QPSK	25	25	17.96	17.94	18.02	17.93	18.08	18.40
10	QPSK	50	0	18.06	17.86	18.07	17.86	17.98	18.40
10	16QAM	1	0	18.11	18.03	18.06	17.93	18.07	18.40
10	16QAM	1	25	17.98	17.95	18.08	17.99	17.95	18.40

10	16QAM	1	49	17.93	17.97	18.05	17.98	18.06	18.40
10	16QAM	25	0	17.92	17.96	18.10	18.01	18.03	18.40
10	16QAM	25	12	18.02	17.98	17.95	17.94	18.09	18.40
10	16QAM	25	25	17.97	18.04	18.05	18.01	18.05	18.40
10	16QAM	50	0	17.99	18.00	18.06	17.88	18.12	18.40
10	64QAM	1	0	17.66	17.62	17.82	17.75	17.83	18.40
10	64QAM	1	25	17.77	17.71	17.81	17.68	17.76	18.40
10	64QAM	1	49	17.66	17.58	17.66	17.52	17.58	18.40
10	64QAM	25	0	18.00	17.95	18.06	17.98	18.08	18.40
10	64QAM	25	12	17.88	17.95	18.04	17.89	18.06	18.40
10	64QAM	25	25	18.07	17.99	17.97	17.93	18.02	18.40
10	64QAM	50	0	17.96	18.01	18.02	17.96	18.03	18.40
10	256QAM	1	0	17.81	17.89	18.02	17.88	17.96	18.40
10	256QAM	1	25	17.90	17.90	17.92	17.81	17.92	18.40
10	256QAM	1	49	17.87	17.79	17.91	17.79	17.85	18.40
10	256QAM	25	0	17.96	17.93	18.08	18.05	18.00	18.40
10	256QAM	25	12	17.97	18.00	18.01	18.00	18.00	18.40
10	256QAM	25	25	18.05	17.94	18.12	18.02	18.09	18.40
10	256QAM	50	0	17.95	18.03	18.09	18.03	17.98	18.40
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	18.09	18.11	18.24	18.03	18.15	18.40
5	QPSK	1	12	17.97	18.05	18.01	18.05	18.00	18.40
5	QPSK	1	24	17.92	17.90	17.91	17.94	17.97	18.40
5	QPSK	12	0	18.08	17.93	18.15	18.09	18.11	18.40
5	QPSK	12	7	18.07	17.88	17.96	17.93	18.08	18.40
5	QPSK	12	13	18.02	17.93	18.03	17.85	18.06	18.40
5	QPSK	25	0	18.05	17.86	18.13	17.97	17.96	18.40
5	16QAM	1	0	18.11	17.97	18.05	17.96	18.00	18.40
5	16QAM	1	12	17.93	17.97	18.10	17.95	18.00	18.40
5	16QAM	1	24	18.01	17.99	18.03	17.94	18.00	18.40
5	16QAM	12	0	17.92	18.05	17.98	17.96	18.05	18.40
5	16QAM	12	7	18.00	17.98	18.04	17.96	18.05	18.40
5	16QAM	12	13	17.94	18.03	18.06	17.90	17.99	18.40
5	16QAM	25	0	17.99	18.02	18.07	17.99	18.14	18.40
5	64QAM	1	0	17.64	17.62	17.75	17.74	17.79	18.40
5	64QAM	1	12	17.66	17.67	17.77	17.67	17.73	18.40
5	64QAM	1	24	17.65	17.56	17.71	17.58	17.60	18.40
5	64QAM	12	0	17.96	18.02	18.12	17.94	18.03	18.40
5	64QAM	12	7	17.87	17.93	18.11	17.90	18.11	18.40
5	64QAM	12	13	18.03	17.99	18.01	17.90	18.11	18.40
5	64QAM	25	0	17.86	17.97	18.08	18.02	18.03	18.40
5	256QAM	1	0	17.80	17.85	18.04	17.91	17.91	18.40
5	256QAM	1	12	17.92	17.88	17.97	17.89	17.93	18.40
5	256QAM	1	24	17.82	17.74	17.83	17.69	17.76	18.40
5	256QAM	12	0	17.95	17.99	18.02	18.02	18.13	18.40
5	256QAM	12	7	17.97	17.96	18.09	18.03	18.02	18.40
5	256QAM	12	13	17.94	18.03	18.05	17.92	18.02	18.40
5	256QAM	25	0	17.96	17.96	18.14	17.98	17.96	18.40

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.18	26.19	26.32	26.17	26.19	26.90
20	QPSK	1	49	26.15	26.15	26.24	26.11	26.14	26.90
20	QPSK	1	99	26.15	26.14	26.18	26.07	26.13	26.90
20	QPSK	50	0	24.26	24.28	24.35	24.21	24.30	25.90
20	QPSK	50	24	24.23	24.17	24.29	24.16	24.25	25.90
20	QPSK	50	50	24.21	24.13	24.26	24.12	24.21	25.90
20	QPSK	100	0	24.20	24.15	24.28	24.18	24.22	25.90
20	16QAM	1	0	24.49	24.49	24.63	24.46	24.54	25.90
20	16QAM	1	49	24.51	24.47	24.58	24.43	24.54	25.90
20	16QAM	1	99	24.46	24.43	24.48	24.38	24.51	25.90
20	16QAM	50	0	24.31	24.24	24.38	24.23	24.30	24.90
20	16QAM	50	24	24.30	24.23	24.34	24.20	24.29	24.90
20	16QAM	50	50	24.27	24.20	24.30	24.16	24.25	24.90
20	16QAM	100	0	24.29	24.20	24.32	24.17	24.25	24.90
20	64QAM	1	0	24.26	24.22	24.38	24.19	24.27	24.90
20	64QAM	1	49	24.26	24.20	24.31	24.13	24.25	24.90
20	64QAM	1	99	24.20	24.15	24.21	24.11	24.22	24.90
20	64QAM	50	0	23.26	23.17	23.31	23.17	23.24	23.90
20	64QAM	50	24	23.24	23.16	23.27	23.12	23.22	23.90

20	64QAM	50	50	23.21	23.14	23.24	23.10	23.19	23.90
20	64QAM	100	0	23.24	23.16	23.27	23.12	23.21	23.90
20	256QAM	1	0	21.18	21.06	21.22	21.08	21.13	21.90
20	256QAM	1	49	21.14	21.02	21.16	21.00	21.11	21.90
20	256QAM	1	99	21.08	20.97	21.07	20.92	21.07	21.90
20	256QAM	50	0	21.28	21.20	21.35	21.20	21.26	21.90
20	256QAM	50	24	21.27	21.19	21.32	21.17	21.25	21.90
20	256QAM	50	50	21.24	21.17	21.28	21.14	21.22	21.90
20	256QAM	100	0	21.21	21.14	21.25	21.12	21.20	21.90
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.04	26.16	26.18	26.03	26.10	26.90
15	QPSK	1	37	26.12	26.08	26.11	25.98	26.10	26.90
15	QPSK	1	74	26.11	26.10	26.04	26.00	26.06	26.90
15	QPSK	36	0	24.16	24.18	24.31	24.16	24.16	25.90
15	QPSK	36	20	24.08	24.07	24.16	24.10	24.18	25.90
15	QPSK	36	39	24.14	24.03	24.14	24.07	24.17	25.90
15	QPSK	75	0	24.18	24.06	24.25	24.09	24.15	25.90
15	16QAM	1	0	24.36	24.37	24.54	24.32	24.42	25.90
15	16QAM	1	37	24.41	24.33	24.46	24.38	24.46	25.90
15	16QAM	1	74	24.39	24.37	24.45	24.27	24.48	25.90
15	16QAM	36	0	24.26	24.21	24.29	24.17	24.16	24.90
15	16QAM	36	20	24.27	24.16	24.29	24.19	24.21	24.90
15	16QAM	36	39	24.13	24.13	24.23	24.15	24.19	24.90
15	16QAM	75	0	24.25	24.10	24.20	24.06	24.11	24.90
15	64QAM	1	0	24.13	24.17	24.26	24.13	24.20	24.90
15	64QAM	1	37	24.12	24.18	24.16	24.03	24.16	24.90
15	64QAM	1	74	24.11	24.03	24.06	24.03	24.14	24.90
15	64QAM	36	0	23.14	23.07	23.27	23.03	23.16	23.90
15	64QAM	36	20	23.16	23.13	23.13	23.05	23.09	23.90
15	64QAM	36	39	23.20	23.13	23.20	23.01	23.16	23.90
15	64QAM	75	0	23.22	23.02	23.19	23.00	23.19	23.90
15	256QAM	1	0	21.09	21.01	21.10	21.02	21.02	21.90
15	256QAM	1	37	21.10	21.00	21.13	20.85	20.97	21.90
15	256QAM	1	74	21.03	20.93	20.96	20.88	20.93	21.90
15	256QAM	36	0	21.17	21.10	21.22	21.14	21.21	21.90
15	256QAM	36	20	21.15	21.17	21.29	21.06	21.23	21.90
15	256QAM	36	39	21.21	21.03	21.26	21.00	21.09	21.90
15	256QAM	75	0	21.12	21.12	21.12	21.02	21.08	21.90
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.12	26.17	26.27	26.04	26.11	26.90
10	QPSK	1	25	26.01	26.11	26.14	26.07	26.09	26.90
10	QPSK	1	49	26.05	26.06	26.04	26.03	25.99	26.90
10	QPSK	25	0	24.27	24.13	24.28	24.20	24.25	25.90
10	QPSK	25	12	24.11	24.05	24.15	24.13	24.19	25.90
10	QPSK	25	25	24.14	24.10	24.12	23.98	24.15	25.90
10	QPSK	50	0	24.10	24.01	24.17	24.00	24.12	25.90
10	16QAM	1	0	24.44	24.48	24.57	24.42	24.45	25.90
10	16QAM	1	25	24.36	24.43	24.50	24.35	24.52	25.90
10	16QAM	1	49	24.38	24.30	24.46	24.35	24.43	25.90
10	16QAM	25	0	24.25	24.17	24.28	24.19	24.26	24.90
10	16QAM	25	12	24.22	24.16	24.23	24.15	24.15	24.90
10	16QAM	25	25	24.21	24.08	24.27	24.05	24.23	24.90
10	16QAM	50	0	24.18	24.10	24.26	24.03	24.18	24.90
10	64QAM	1	0	24.19	24.16	24.25	24.05	24.20	24.90
10	64QAM	1	25	24.25	24.16	24.19	24.04	24.17	24.90
10	64QAM	1	49	24.16	24.10	24.11	23.98	24.10	24.90
10	64QAM	25	0	23.21	23.11	23.26	23.06	23.15	23.90
10	64QAM	25	12	23.20	23.07	23.22	23.10	23.12	23.90
10	64QAM	25	25	23.16	23.09	23.20	22.96	23.12	23.90
10	64QAM	50	0	23.19	23.09	23.22	23.03	23.10	23.90
10	256QAM	1	0	21.12	21.04	21.11	20.98	21.12	21.90
10	256QAM	1	25	21.09	20.96	21.12	20.92	21.07	21.90
10	256QAM	1	49	21.06	20.87	21.05	20.85	21.03	21.90
10	256QAM	25	0	21.15	21.17	21.22	21.06	21.19	21.90
10	256QAM	25	12	21.14	21.09	21.20	21.07	21.13	21.90
10	256QAM	25	25	21.22	21.11	21.20	21.04	21.16	21.90
10	256QAM	50	0	21.15	21.05	21.24	21.11	21.17	21.90
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	26.13	26.11	26.25	26.03	26.05	26.90
5	QPSK	1	12	26.09	26.02	26.19	25.98	26.06	26.90
5	QPSK	1	24	26.07	26.04	26.06	26.00	26.08	26.90
5	QPSK	12	0	24.14	24.13	24.22	24.12	24.22	25.90



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5	QPSK	12	7	24.13	24.11	24.28	24.14	24.20	25.90
5	QPSK	12	13	24.14	24.07	24.16	24.07	24.16	25.90
5	QPSK	25	0	24.08	24.06	24.20	24.06	24.09	25.90
5	16QAM	1	0	24.39	24.42	24.60	24.34	24.50	25.90
5	16QAM	1	12	24.47	24.38	24.56	24.31	24.52	25.90
5	16QAM	1	24	24.33	24.36	24.46	24.29	24.43	25.90
5	16QAM	12	0	24.16	24.10	24.28	24.15	24.28	24.90
5	16QAM	12	7	24.19	24.21	24.28	24.08	24.15	24.90
5	16QAM	12	13	24.26	24.06	24.27	24.01	24.14	24.90
5	16QAM	25	0	24.27	24.05	24.19	24.09	24.19	24.90
5	64QAM	1	0	24.16	24.14	24.32	24.08	24.19	24.90
5	64QAM	1	12	24.19	24.16	24.20	23.99	24.13	24.90
5	64QAM	1	24	24.18	24.08	24.10	24.04	24.20	24.90
5	64QAM	12	0	23.17	23.03	23.24	23.08	23.18	23.90
5	64QAM	12	7	23.22	23.12	23.22	23.08	23.19	23.90
5	64QAM	12	13	23.20	23.04	23.13	23.02	23.06	23.90
5	64QAM	25	0	23.19	23.11	23.26	23.09	23.14	23.90
5	256QAM	1	0	21.12	21.02	21.17	20.96	21.10	21.90
5	256QAM	1	12	21.06	20.95	21.12	20.93	21.04	21.90
5	256QAM	1	24	21.03	20.95	21.00	20.88	21.04	21.90
5	256QAM	12	0	21.22	21.14	21.29	21.19	21.22	21.90
5	256QAM	12	7	21.17	21.11	21.20	21.11	21.22	21.90
5	256QAM	12	13	21.12	21.12	21.23	21.04	21.09	21.90
5	256QAM	25	0	21.08	21.10	21.22	20.98	21.18	21.90

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

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.06	24.04	24.18	24.04	24.09	25.70
20	QPSK	1	49	23.99	23.96	24.06	23.93	24.01	25.70
20	QPSK	1	99	24.04	24.00	24.05	23.95	24.03	25.70
20	QPSK	50	0	24.09	24.00	24.14	24.04	24.09	25.70
20	QPSK	50	24	24.04	23.95	24.11	23.98	24.03	25.70
20	QPSK	50	50	24.02	23.93	24.06	23.94	24.00	25.70
20	QPSK	100	0	24.04	23.95	24.09	23.96	24.03	25.70
20	16QAM	1	0	24.00	24.00	24.12	24.12	24.16	25.70
20	16QAM	1	49	24.13	24.11	24.00	24.15	24.16	25.70
20	16QAM	1	99	24.17	24.14	24.12	24.13	24.00	25.70
20	16QAM	50	0	24.12	24.04	24.17	24.05	24.11	24.90
20	16QAM	50	24	24.09	24.02	24.15	24.01	24.08	24.90
20	16QAM	50	50	24.09	24.01	24.10	23.98	24.06	24.90
20	16QAM	100	0	24.08	24.00	24.12	23.98	24.07	24.90
20	64QAM	1	0	24.13	24.13	24.16	24.09	24.17	24.90
20	64QAM	1	49	24.07	24.02	24.13	24.00	24.08	24.90
20	64QAM	1	99	24.10	24.05	24.09	24.00	24.12	24.90
20	64QAM	50	0	23.15	23.07	23.19	23.06	23.13	23.90
20	64QAM	50	24	23.11	23.03	23.16	23.02	23.09	23.90
20	64QAM	50	50	23.12	23.04	23.13	23.01	23.10	23.90
20	64QAM	100	0	23.12	23.05	23.16	23.02	23.10	23.90
20	256QAM	1	0	21.08	20.97	21.12	20.98	21.05	21.90
20	256QAM	1	49	20.98	20.87	21.00	20.84	20.96	21.90
20	256QAM	1	99	20.98	20.87	20.96	20.83	20.97	21.90
20	256QAM	50	0	21.15	21.10	21.22	21.09	21.15	21.90
20	256QAM	50	24	21.14	21.07	21.20	21.07	21.13	21.90
20	256QAM	50	50	21.13	21.06	21.17	21.04	21.11	21.90
20	256QAM	100	0	21.09	21.03	21.15	21.02	21.09	21.90
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.97	23.99	24.07	23.93	23.98	25.70
15	QPSK	1	37	23.87	23.92	24.02	23.86	23.98	25.70
15	QPSK	1	74	23.94	23.86	24.03	23.91	24.01	25.70
15	QPSK	36	0	24.04	23.99	24.04	23.96	24.03	25.70
15	QPSK	36	20	23.97	23.85	24.09	23.96	23.93	25.70
15	QPSK	36	39	23.90	23.83	23.92	23.81	23.96	25.70
15	QPSK	75	0	24.00	23.87	24.05	23.88	24.00	25.70
15	16QAM	1	0	23.92	23.91	24.04	24.10	24.06	25.70
15	16QAM	1	37	24.12	23.98	23.87	24.12	24.03	25.70
15	16QAM	1	74	24.14	24.10	24.01	24.05	23.90	25.70
15	16QAM	36	0	23.97	23.91	24.07	23.98	23.96	24.90
15	16QAM	36	20	24.00	23.92	24.13	23.98	23.95	24.90
15	16QAM	36	39	23.95	23.97	24.05	23.86	23.92	24.90
15	16QAM	75	0	24.05	23.86	24.01	23.84	23.95	24.90

15	64QAM	1	0	23.99	24.06	24.13	24.05	24.07	24.90
15	64QAM	1	37	24.04	23.91	24.06	23.95	23.94	24.90
15	64QAM	1	74	24.06	23.96	24.02	23.91	24.04	24.90
15	64QAM	36	0	23.11	23.05	23.18	23.04	22.99	23.90
15	64QAM	36	20	22.99	22.89	23.12	23.01	23.02	23.90
15	64QAM	36	39	23.01	22.97	23.10	22.98	23.00	23.90
15	64QAM	75	0	23.00	22.95	23.01	22.91	23.07	23.90
15	256QAM	1	0	20.99	20.89	21.01	20.94	20.99	21.90
15	256QAM	1	37	20.92	20.81	20.98	20.72	20.83	21.90
15	256QAM	1	74	20.86	20.80	20.90	20.73	20.94	21.90
15	256QAM	36	0	21.00	21.06	21.17	21.08	21.03	21.90
15	256QAM	36	20	21.12	21.02	21.06	21.06	21.07	21.90
15	256QAM	36	39	21.10	21.01	21.04	20.97	20.97	21.90
15	256QAM	75	0	20.98	20.97	21.07	20.99	20.95	21.90
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.92	24.01	24.08	23.93	24.03	25.70
10	QPSK	1	25	23.87	23.85	23.94	23.80	23.94	25.70
10	QPSK	1	49	24.02	23.93	24.02	23.86	23.92	25.70
10	QPSK	25	0	23.97	23.86	24.05	24.01	24.04	25.70
10	QPSK	25	12	23.91	23.87	24.09	23.93	23.97	25.70
10	QPSK	25	25	24.01	23.85	23.98	23.88	23.91	25.70
10	QPSK	50	0	23.90	23.84	24.06	23.93	23.98	25.70
10	16QAM	1	0	23.89	23.93	24.01	23.98	24.11	25.70
10	16QAM	1	25	24.11	24.07	23.87	24.10	24.08	25.70
10	16QAM	1	49	24.11	24.04	24.11	24.09	23.89	25.70
10	16QAM	25	0	24.03	23.91	24.14	23.94	23.96	24.90
10	16QAM	25	12	23.98	23.95	24.02	23.97	23.94	24.90
10	16QAM	25	25	23.97	23.97	24.06	23.88	24.01	24.90
10	16QAM	50	0	24.07	23.86	23.98	23.94	23.97	24.90
10	64QAM	1	0	23.99	24.00	24.10	23.98	24.08	24.90
10	64QAM	1	25	23.98	23.94	24.06	23.98	24.04	24.90
10	64QAM	1	49	24.09	23.96	24.01	23.98	24.00	24.90
10	64QAM	25	0	23.14	23.00	23.16	22.96	23.02	23.90
10	64QAM	25	12	23.07	22.94	23.07	22.93	23.03	23.90
10	64QAM	25	25	23.09	22.98	23.09	22.96	23.01	23.90
10	64QAM	50	0	23.04	22.94	23.12	22.91	22.96	23.90
10	256QAM	1	0	20.98	20.94	21.10	20.92	20.97	21.90
10	256QAM	1	25	20.92	20.85	20.97	20.72	20.92	21.90
10	256QAM	1	49	20.93	20.78	20.83	20.77	20.90	21.90
10	256QAM	25	0	21.05	21.03	21.19	20.96	21.03	21.90
10	256QAM	25	12	20.99	20.99	21.18	20.95	21.01	21.90
10	256QAM	25	25	21.06	20.94	21.13	20.98	21.09	21.90
10	256QAM	50	0	20.96	20.90	21.09	20.96	21.07	21.90
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.98	23.89	24.12	23.99	24.05	25.70
5	QPSK	1	12	23.95	23.81	23.93	23.79	23.90	25.70
5	QPSK	1	24	23.95	23.93	23.91	23.87	24.01	25.70
5	QPSK	12	0	24.04	23.92	24.08	23.96	23.99	25.70
5	QPSK	12	7	24.02	23.82	24.05	23.95	24.01	25.70
5	QPSK	12	13	23.89	23.83	24.04	23.86	23.97	25.70
5	QPSK	25	0	24.00	23.84	23.96	23.93	23.99	25.70
5	16QAM	1	0	23.95	23.86	24.07	23.99	24.14	25.70
5	16QAM	1	12	24.00	24.03	23.92	24.12	24.13	25.70
5	16QAM	1	24	24.14	24.01	24.10	24.04	23.96	25.70
5	16QAM	12	0	24.06	24.00	24.09	24.03	23.96	24.90
5	16QAM	12	7	23.97	24.01	24.07	23.89	24.07	24.90
5	16QAM	12	13	23.96	23.98	24.04	23.83	23.98	24.90
5	16QAM	25	0	23.98	23.88	24.02	23.86	23.99	24.90
5	64QAM	1	0	24.07	24.11	24.05	23.96	24.04	24.90
5	64QAM	1	12	23.99	23.95	24.06	23.90	23.96	24.90
5	64QAM	1	24	24.08	23.97	24.08	23.85	24.05	24.90
5	64QAM	12	0	23.12	22.94	23.09	22.91	23.10	23.90
5	64QAM	12	7	22.99	22.89	23.11	22.94	23.03	23.90
5	64QAM	12	13	22.99	22.92	23.07	22.92	22.98	23.90
5	64QAM	25	0	23.08	23.03	23.10	23.01	22.99	23.90
5	256QAM	1	0	21.00	20.95	21.04	20.84	20.98	21.90
5	256QAM	1	12	20.90	20.83	20.93	20.77	20.81	21.90
5	256QAM	1	24	20.86	20.74	20.82	20.79	20.93	21.90
5	256QAM	12	0	21.11	20.99	21.10	20.95	21.09	21.90
5	256QAM	12	7	21.12	20.99	21.15	21.01	21.06	21.90
5	256QAM	12	13	21.07	20.95	21.05	20.92	21.08	21.90
5	256QAM	25	0	20.96	20.90	21.09	20.94	20.98	21.90

【LTE Band 41_FCC
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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				39750	40185	40620	41055	41490	2680
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.06	24.04	24.18	24.04	24.09	24.20
20	QPSK	1	49	23.99	23.96	24.06	23.93	24.01	24.20
20	QPSK	1	99	24.04	24.00	24.05	23.95	24.03	24.20
20	QPSK	50	0	24.09	24.00	24.14	24.04	24.09	24.20
20	QPSK	50	24	24.04	23.95	24.11	23.98	24.03	24.20
20	QPSK	50	50	24.02	23.93	24.06	23.94	24.00	24.20
20	QPSK	100	0	24.04	23.95	24.09	23.96	24.03	24.20
20	16QAM	1	0	24.00	24.00	24.12	24.12	24.16	24.20
20	16QAM	1	49	24.13	24.11	24.00	24.15	24.16	24.20
20	16QAM	1	99	24.17	24.14	24.12	24.13	24.00	24.20
20	16QAM	50	0	24.12	24.04	24.17	24.05	24.11	24.20
20	16QAM	50	24	24.09	24.02	24.15	24.01	24.08	24.20
20	16QAM	50	50	24.09	24.01	24.10	23.98	24.06	24.20
20	16QAM	100	0	24.08	24.00	24.12	23.98	24.07	24.20
20	64QAM	1	0	24.13	24.13	24.16	24.09	24.17	24.20
20	64QAM	1	49	24.07	24.02	24.13	24.00	24.08	24.20
20	64QAM	1	99	24.10	24.05	24.09	24.00	24.12	24.20
20	64QAM	50	0	23.15	23.07	23.19	23.06	23.13	23.90
20	64QAM	50	24	23.11	23.03	23.16	23.02	23.09	23.90
20	64QAM	50	50	23.12	23.04	23.13	23.01	23.10	23.90
20	64QAM	100	0	23.12	23.05	23.16	23.02	23.10	23.90
20	256QAM	1	0	21.08	20.97	21.12	20.98	21.05	21.90
20	256QAM	1	49	20.98	20.87	21.00	20.84	20.96	21.90
20	256QAM	1	99	20.98	20.87	20.96	20.83	20.97	21.90
20	256QAM	50	0	21.15	21.10	21.22	21.09	21.15	21.90
20	256QAM	50	24	21.14	21.07	21.20	21.07	21.13	21.90
20	256QAM	50	50	21.13	21.06	21.17	21.04	21.11	21.90
20	256QAM	100	0	21.09	21.03	21.15	21.02	21.09	21.90
Channel				39725	40173	40620	41068	41515	2682.5
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.97	23.99	24.07	23.93	23.98	24.20
15	QPSK	1	37	23.87	23.92	24.02	23.86	23.98	24.20
15	QPSK	1	74	23.94	23.86	24.03	23.91	24.01	24.20
15	QPSK	36	0	24.04	23.99	24.04	23.96	24.03	24.20
15	QPSK	36	20	23.97	23.85	24.09	23.96	23.93	24.20
15	QPSK	36	39	23.90	23.83	23.92	23.81	23.96	24.20
15	QPSK	75	0	24.00	23.87	24.05	23.88	24.00	24.20
15	16QAM	1	0	23.92	23.91	24.04	24.10	24.06	24.20
15	16QAM	1	37	24.12	23.98	23.87	24.12	24.03	24.20
15	16QAM	1	74	24.14	24.10	24.01	24.05	23.90	24.20
15	16QAM	36	0	23.97	23.91	24.07	23.98	23.96	24.20
15	16QAM	36	20	24.00	23.92	24.13	23.98	23.95	24.20
15	16QAM	36	39	23.95	23.97	24.05	23.86	23.92	24.20
15	16QAM	75	0	24.05	23.86	24.01	23.84	23.95	24.20
15	64QAM	1	0	23.99	24.06	24.13	24.05	24.07	24.20
15	64QAM	1	37	24.04	23.91	24.06	23.95	23.94	24.20
15	64QAM	1	74	24.06	23.96	24.02	23.91	24.04	24.20
15	64QAM	36	0	23.11	23.05	23.18	23.04	22.99	23.90
15	64QAM	36	20	22.99	22.89	23.12	23.01	23.02	23.90
15	64QAM	36	39	23.01	22.97	23.10	22.98	23.00	23.90
15	64QAM	75	0	23.00	22.95	23.01	22.91	23.07	23.90
15	256QAM	1	0	20.99	20.89	21.01	20.94	20.99	21.90
15	256QAM	1	37	20.92	20.81	20.98	20.72	20.83	21.90
15	256QAM	1	74	20.86	20.80	20.90	20.73	20.94	21.90
15	256QAM	36	0	21.00	21.06	21.17	21.08	21.03	21.90
15	256QAM	36	20	21.12	21.02	21.06	21.06	21.07	21.90
15	256QAM	36	39	21.10	21.01	21.04	20.97	20.97	21.90
15	256QAM	75	0	20.98	20.97	21.07	20.99	20.95	21.90
Channel				39700	40150	40620	41080	41540	2685
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.92	24.01	24.08	23.93	24.03	24.20
10	QPSK	1	25	23.87	23.85	23.94	23.80	23.94	24.20
10	QPSK	1	49	24.02	23.93	24.02	23.86	23.92	24.20
10	QPSK	25	0	23.97	23.86	24.05	24.01	24.04	24.20
10	QPSK	25	12	23.91	23.87	24.09	23.93	23.97	24.20
10	QPSK	25	25	24.01	23.85	23.98	23.88	23.91	24.20
10	QPSK	50	0	23.90	23.84	24.06	23.93	23.98	24.20
10	16QAM	1	0	23.89	23.93	24.01	23.98	24.11	24.20
10	16QAM	1	25	24.11	24.07	23.87	24.10	24.08	24.20

10	16QAM	1	49	24.11	24.04	24.11	24.09	23.89	24.20
10	16QAM	25	0	24.03	23.91	24.14	23.94	23.96	24.20
10	16QAM	25	12	23.98	23.95	24.02	23.97	23.94	24.20
10	16QAM	25	25	23.97	23.97	24.06	23.88	24.01	24.20
10	16QAM	50	0	24.07	23.86	23.98	23.94	23.97	24.20
10	64QAM	1	0	23.99	24.00	24.10	23.98	24.08	24.20
10	64QAM	1	25	23.98	23.94	24.06	23.98	24.04	24.20
10	64QAM	1	49	24.09	23.96	24.01	23.98	24.00	24.20
10	64QAM	25	0	23.14	23.00	23.16	22.96	23.02	23.90
10	64QAM	25	12	23.07	22.94	23.07	22.93	23.03	23.90
10	64QAM	25	25	23.09	22.98	23.09	22.96	23.01	23.90
10	64QAM	50	0	23.04	22.94	23.12	22.91	22.96	23.90
10	256QAM	1	0	20.98	20.94	21.10	20.92	20.97	21.90
10	256QAM	1	25	20.92	20.85	20.97	20.72	20.92	21.90
10	256QAM	1	49	20.93	20.78	20.83	20.77	20.90	21.90
10	256QAM	25	0	21.05	21.03	21.19	20.96	21.03	21.90
10	256QAM	25	12	20.99	20.99	21.18	20.95	21.01	21.90
10	256QAM	25	25	21.06	20.94	21.13	20.98	21.09	21.90
10	256QAM	50	0	20.96	20.90	21.09	20.96	21.07	21.90
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	23.98	23.89	24.12	23.99	24.05	24.20
5	QPSK	1	12	23.95	23.81	23.93	23.79	23.90	24.20
5	QPSK	1	24	23.95	23.93	23.91	23.87	24.01	24.20
5	QPSK	12	0	24.04	23.92	24.08	23.96	23.99	24.20
5	QPSK	12	7	24.02	23.82	24.05	23.95	24.01	24.20
5	QPSK	12	13	23.89	23.83	24.04	23.86	23.97	24.20
5	QPSK	25	0	24.00	23.84	23.96	23.93	23.99	24.20
5	16QAM	1	0	23.95	23.86	24.07	23.99	24.14	24.20
5	16QAM	1	12	24.00	24.03	23.92	24.12	24.13	24.20
5	16QAM	1	24	24.14	24.01	24.10	24.04	23.96	24.20
5	16QAM	12	0	24.06	24.00	24.09	24.03	23.96	24.20
5	16QAM	12	7	23.97	24.01	24.07	23.89	24.07	24.20
5	16QAM	12	13	23.96	23.98	24.04	23.83	23.98	24.20
5	16QAM	25	0	23.98	23.88	24.02	23.86	23.99	24.20
5	64QAM	1	0	24.07	24.11	24.05	23.96	24.04	24.20
5	64QAM	1	12	23.99	23.95	24.06	23.90	23.96	24.20
5	64QAM	1	24	24.08	23.97	24.08	23.85	24.05	24.20
5	64QAM	12	0	23.12	22.94	23.09	22.91	23.10	23.90
5	64QAM	12	7	22.99	22.89	23.11	22.94	23.03	23.90
5	64QAM	12	13	22.99	22.92	23.07	22.92	22.98	23.90
5	64QAM	25	0	23.08	23.03	23.10	23.01	22.99	23.90
5	256QAM	1	0	21.00	20.95	21.04	20.84	20.98	21.90
5	256QAM	1	12	20.90	20.83	20.93	20.77	20.81	21.90
5	256QAM	1	24	20.86	20.74	20.82	20.79	20.93	21.90
5	256QAM	12	0	21.11	20.99	21.10	20.95	21.09	21.90
5	256QAM	12	7	21.12	20.99	21.15	21.01	21.06	21.90
5	256QAM	12	13	21.07	20.95	21.05	20.92	21.08	21.90
5	256QAM	25	0	20.96	20.90	21.09	20.94	20.98	21.90

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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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.67	19.60	19.76	19.63	19.74	20.70
20	QPSK	1	49	19.52	19.46	19.58	19.44	19.59	20.70
20	QPSK	1	99	19.57	19.51	19.57	19.45	19.60	20.70
20	QPSK	50	0	19.63	19.56	19.67	19.57	19.66	20.70
20	QPSK	50	24	19.61	19.53	19.62	19.55	19.64	20.70
20	QPSK	50	50	19.58	19.51	19.58	19.52	19.59	20.70
20	QPSK	100	0	19.60	19.52	19.61	19.53	19.62	20.70
20	16QAM	1	0	19.45	19.42	19.55	19.44	19.55	20.70
20	16QAM	1	49	19.33	19.29	19.43	19.30	19.44	20.70
20	16QAM	1	99	19.39	19.35	19.44	19.32	19.42	20.70
20	16QAM	50	0	19.55	19.51	19.63	19.50	19.64	20.70
20	16QAM	50	24	19.54	19.49	19.58	19.50	19.61	20.70
20	16QAM	50	50	19.52	19.47	19.54	19.45	19.58	20.70
20	16QAM	100	0	19.52	19.46	19.56	19.44	19.59	20.70
20	64QAM	1	0	19.47	19.46	19.58	19.47	19.58	20.70
20	64QAM	1	49	19.39	19.34	19.46	19.37	19.47	20.70
20	64QAM	1	99	19.42	19.35	19.44	19.35	19.46	20.70
20	64QAM	50	0	19.53	19.47	19.60	19.47	19.59	20.70
20	64QAM	50	24	19.50	19.43	19.53	19.44	19.57	20.70

20	64QAM	50	50	19.49	19.43	19.52	19.44	19.54	20.70
20	64QAM	100	0	19.50	19.45	19.53	19.45	19.57	20.70
20	256QAM	1	0	19.48	19.46	19.59	19.51	19.57	20.70
20	256QAM	1	49	19.39	19.36	19.47	19.40	19.48	20.70
20	256QAM	1	99	19.40	19.37	19.45	19.34	19.44	20.70
20	256QAM	50	0	19.49	19.43	19.55	19.43	19.57	20.70
20	256QAM	50	24	19.48	19.43	19.51	19.40	19.53	20.70
20	256QAM	50	50	19.46	19.41	19.48	19.40	19.52	20.70
20	256QAM	100	0	19.43	19.36	19.46	19.36	19.49	20.70
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.53	19.49	19.74	19.51	19.70	20.70
15	QPSK	1	37	19.48	19.40	19.43	19.37	19.45	20.70
15	QPSK	1	74	19.50	19.46	19.52	19.33	19.57	20.70
15	QPSK	36	0	19.54	19.48	19.58	19.46	19.65	20.70
15	QPSK	36	20	19.56	19.48	19.49	19.46	19.51	20.70
15	QPSK	36	39	19.45	19.37	19.45	19.43	19.51	20.70
15	QPSK	75	0	19.53	19.38	19.54	19.52	19.54	20.70
15	16QAM	1	0	19.31	19.39	19.46	19.41	19.45	20.70
15	16QAM	1	37	19.30	19.18	19.40	19.25	19.29	20.70
15	16QAM	1	74	19.27	19.21	19.38	19.31	19.31	20.70
15	16QAM	36	0	19.50	19.36	19.52	19.43	19.59	20.70
15	16QAM	36	20	19.48	19.37	19.52	19.35	19.55	20.70
15	16QAM	36	39	19.38	19.45	19.44	19.40	19.44	20.70
15	16QAM	75	0	19.44	19.36	19.46	19.32	19.51	20.70
15	64QAM	1	0	19.36	19.41	19.56	19.33	19.54	20.70
15	64QAM	1	37	19.24	19.26	19.45	19.34	19.38	20.70
15	64QAM	1	74	19.27	19.25	19.42	19.20	19.32	20.70
15	64QAM	36	0	19.42	19.33	19.58	19.33	19.48	20.70
15	64QAM	36	20	19.41	19.38	19.46	19.39	19.48	20.70
15	64QAM	36	39	19.38	19.39	19.48	19.42	19.43	20.70
15	64QAM	75	0	19.46	19.32	19.40	19.40	19.43	20.70
15	256QAM	1	0	19.39	19.36	19.48	19.37	19.49	20.70
15	256QAM	1	37	19.25	19.27	19.41	19.37	19.37	20.70
15	256QAM	1	74	19.32	19.27	19.37	19.24	19.32	20.70
15	256QAM	36	0	19.40	19.41	19.50	19.40	19.43	20.70
15	256QAM	36	20	19.40	19.36	19.49	19.26	19.52	20.70
15	256QAM	36	39	19.40	19.35	19.39	19.37	19.39	20.70
15	256QAM	75	0	19.38	19.29	19.33	19.26	19.45	20.70
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.57	19.49	19.65	19.55	19.72	20.70
10	QPSK	1	25	19.50	19.39	19.46	19.35	19.58	20.70
10	QPSK	1	49	19.53	19.44	19.53	19.40	19.49	20.70
10	QPSK	25	0	19.52	19.46	19.53	19.53	19.53	20.70
10	QPSK	25	12	19.54	19.38	19.57	19.43	19.57	20.70
10	QPSK	25	25	19.54	19.50	19.48	19.46	19.52	20.70
10	QPSK	50	0	19.48	19.49	19.48	19.48	19.59	20.70
10	16QAM	1	0	19.33	19.36	19.49	19.41	19.54	20.70
10	16QAM	1	25	19.23	19.26	19.34	19.15	19.32	20.70
10	16QAM	1	49	19.28	19.20	19.33	19.21	19.36	20.70
10	16QAM	25	0	19.47	19.44	19.49	19.48	19.61	20.70
10	16QAM	25	12	19.50	19.37	19.56	19.43	19.51	20.70
10	16QAM	25	25	19.51	19.34	19.49	19.43	19.46	20.70
10	16QAM	50	0	19.49	19.45	19.45	19.40	19.52	20.70
10	64QAM	1	0	19.45	19.38	19.49	19.45	19.49	20.70
10	64QAM	1	25	19.30	19.22	19.40	19.29	19.45	20.70
10	64QAM	1	49	19.40	19.30	19.40	19.33	19.45	20.70
10	64QAM	25	0	19.42	19.41	19.46	19.44	19.51	20.70
10	64QAM	25	12	19.42	19.41	19.46	19.31	19.47	20.70
10	64QAM	25	25	19.40	19.40	19.39	19.29	19.39	20.70
10	64QAM	50	0	19.42	19.43	19.49	19.39	19.42	20.70
10	256QAM	1	0	19.38	19.41	19.58	19.39	19.52	20.70
10	256QAM	1	25	19.33	19.23	19.45	19.35	19.36	20.70
10	256QAM	1	49	19.38	19.33	19.34	19.28	19.40	20.70
10	256QAM	25	0	19.44	19.33	19.45	19.39	19.45	20.70
10	256QAM	25	12	19.34	19.34	19.47	19.26	19.39	20.70
10	256QAM	25	25	19.33	19.35	19.44	19.27	19.51	20.70
10	256QAM	50	0	19.34	19.26	19.44	19.33	19.45	20.70
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.60	19.53	19.72	19.55	19.65	20.70
5	QPSK	1	12	19.39	19.32	19.53	19.31	19.55	20.70
5	QPSK	1	24	19.42	19.36	19.56	19.30	19.52	20.70
5	QPSK	12	0	19.52	19.52	19.54	19.53	19.54	20.70

5	QPSK	12	7	19.48	19.44	19.52	19.42	19.51	20.70
5	QPSK	12	13	19.53	19.42	19.54	19.38	19.54	20.70
5	QPSK	25	0	19.52	19.48	19.48	19.41	19.48	20.70
5	16QAM	1	0	19.31	19.29	19.42	19.35	19.53	20.70
5	16QAM	1	12	19.23	19.21	19.41	19.22	19.33	20.70
5	16QAM	1	24	19.25	19.33	19.31	19.18	19.30	20.70
5	16QAM	12	0	19.53	19.36	19.51	19.41	19.58	20.70
5	16QAM	12	7	19.49	19.45	19.43	19.38	19.59	20.70
5	16QAM	12	13	19.44	19.37	19.46	19.41	19.44	20.70
5	16QAM	25	0	19.38	19.39	19.47	19.35	19.54	20.70
5	64QAM	1	0	19.38	19.39	19.51	19.33	19.57	20.70
5	64QAM	1	12	19.28	19.31	19.36	19.29	19.34	20.70
5	64QAM	1	24	19.41	19.32	19.31	19.28	19.36	20.70
5	64QAM	12	0	19.49	19.37	19.47	19.37	19.53	20.70
5	64QAM	12	7	19.43	19.30	19.40	19.40	19.51	20.70
5	64QAM	12	13	19.44	19.41	19.44	19.29	19.46	20.70
5	64QAM	25	0	19.35	19.38	19.48	19.30	19.48	20.70
5	256QAM	1	0	19.43	19.33	19.48	19.39	19.48	20.70
5	256QAM	1	12	19.25	19.31	19.41	19.34	19.37	20.70
5	256QAM	1	24	19.38	19.24	19.42	19.25	19.36	20.70
5	256QAM	12	0	19.39	19.41	19.48	19.33	19.50	20.70
5	256QAM	12	7	19.44	19.41	19.46	19.33	19.41	20.70
5	256QAM	12	13	19.39	19.31	19.34	19.31	19.43	20.70
5	256QAM	25	0	19.29	19.34	19.33	19.26	19.39	20.70

【LTE Band 41_FCC
(2496~2690MHz)_HPUE_Ant 2_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.67	19.60	19.76	19.63	19.74	20.00
20	QPSK	1	49	19.52	19.46	19.58	19.44	19.59	20.00
20	QPSK	1	99	19.57	19.51	19.57	19.45	19.60	20.00
20	QPSK	50	0	19.63	19.56	19.67	19.57	19.66	20.00
20	QPSK	50	24	19.61	19.53	19.62	19.55	19.64	20.00
20	QPSK	50	50	19.58	19.51	19.58	19.52	19.59	20.00
20	QPSK	100	0	19.60	19.52	19.61	19.53	19.62	20.00
20	16QAM	1	0	19.45	19.42	19.55	19.44	19.55	20.00
20	16QAM	1	49	19.33	19.29	19.43	19.30	19.44	20.00
20	16QAM	1	99	19.39	19.35	19.44	19.32	19.42	20.00
20	16QAM	50	0	19.55	19.51	19.63	19.50	19.64	20.00
20	16QAM	50	24	19.54	19.49	19.58	19.50	19.61	20.00
20	16QAM	50	50	19.52	19.47	19.54	19.45	19.58	20.00
20	16QAM	100	0	19.52	19.46	19.56	19.44	19.59	20.00
20	64QAM	1	0	19.47	19.46	19.58	19.47	19.58	20.00
20	64QAM	1	49	19.39	19.34	19.46	19.37	19.47	20.00
20	64QAM	1	99	19.42	19.35	19.44	19.35	19.46	20.00
20	64QAM	50	0	19.53	19.47	19.60	19.47	19.59	20.00
20	64QAM	50	24	19.50	19.43	19.53	19.44	19.57	20.00
20	64QAM	50	50	19.49	19.43	19.52	19.44	19.54	20.00
20	64QAM	100	0	19.50	19.45	19.53	19.45	19.57	20.00
20	256QAM	1	0	19.48	19.46	19.59	19.51	19.57	20.00
20	256QAM	1	49	19.39	19.36	19.47	19.40	19.48	20.00
20	256QAM	1	99	19.40	19.37	19.45	19.34	19.44	20.00
20	256QAM	50	0	19.49	19.43	19.55	19.43	19.57	20.00
20	256QAM	50	24	19.48	19.43	19.51	19.40	19.53	20.00
20	256QAM	50	50	19.46	19.41	19.48	19.40	19.52	20.00
20	256QAM	100	0	19.43	19.36	19.46	19.36	19.49	20.00
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.59	19.56	19.74	19.49	19.70	20.00
15	QPSK	1	37	19.48	19.39	19.55	19.43	19.56	20.00
15	QPSK	1	74	19.51	19.43	19.44	19.36	19.51	20.00
15	QPSK	36	0	19.56	19.54	19.64	19.45	19.64	20.00
15	QPSK	36	20	19.57	19.38	19.58	19.41	19.51	20.00
15	QPSK	36	39	19.43	19.37	19.57	19.46	19.52	20.00
15	QPSK	75	0	19.59	19.43	19.47	19.51	19.48	20.00
15	16QAM	1	0	19.37	19.31	19.43	19.36	19.44	20.00
15	16QAM	1	37	19.18	19.15	19.37	19.18	19.34	20.00
15	16QAM	1	74	19.35	19.33	19.30	19.21	19.35	20.00
15	16QAM	36	0	19.42	19.45	19.58	19.39	19.52	20.00
15	16QAM	36	20	19.53	19.43	19.43	19.37	19.47	20.00
15	16QAM	36	39	19.38	19.38	19.40	19.42	19.45	20.00
15	16QAM	75	0	19.47	19.42	19.42	19.34	19.45	20.00

15	64QAM	1	0	19.44	19.39	19.54	19.39	19.50	20.00
15	64QAM	1	37	19.30	19.24	19.43	19.24	19.38	20.00
15	64QAM	1	74	19.27	19.25	19.43	19.23	19.37	20.00
15	64QAM	36	0	19.51	19.43	19.55	19.35	19.48	20.00
15	64QAM	36	20	19.47	19.33	19.43	19.32	19.45	20.00
15	64QAM	36	39	19.47	19.40	19.49	19.35	19.42	20.00
15	64QAM	75	0	19.47	19.41	19.40	19.35	19.54	20.00
15	256QAM	1	0	19.34	19.36	19.58	19.46	19.49	20.00
15	256QAM	1	37	19.38	19.33	19.42	19.33	19.42	20.00
15	256QAM	1	74	19.26	19.34	19.41	19.28	19.30	20.00
15	256QAM	36	0	19.42	19.32	19.54	19.41	19.43	20.00
15	256QAM	36	20	19.42	19.31	19.45	19.30	19.46	20.00
15	256QAM	36	39	19.39	19.27	19.37	19.28	19.45	20.00
15	256QAM	75	0	19.34	19.31	19.39	19.29	19.42	20.00
Channel				39700	40150	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.60	19.45	19.64	19.58	19.72	20.00
10	QPSK	1	25	19.41	19.45	19.46	19.33	19.51	20.00
10	QPSK	1	49	19.43	19.49	19.55	19.36	19.50	20.00
10	QPSK	25	0	19.61	19.46	19.62	19.53	19.61	20.00
10	QPSK	25	12	19.58	19.45	19.50	19.45	19.49	20.00
10	QPSK	25	25	19.57	19.39	19.54	19.51	19.57	20.00
10	QPSK	50	0	19.58	19.43	19.57	19.44	19.58	20.00
10	16QAM	1	0	19.35	19.28	19.42	19.33	19.53	20.00
10	16QAM	1	25	19.20	19.27	19.41	19.25	19.32	20.00
10	16QAM	1	49	19.37	19.31	19.39	19.18	19.37	20.00
10	16QAM	25	0	19.43	19.43	19.55	19.47	19.50	20.00
10	16QAM	25	12	19.46	19.46	19.51	19.43	19.49	20.00
10	16QAM	25	25	19.37	19.42	19.49	19.42	19.52	20.00
10	16QAM	50	0	19.51	19.35	19.44	19.36	19.47	20.00
10	64QAM	1	0	19.45	19.33	19.50	19.41	19.47	20.00
10	64QAM	1	25	19.38	19.22	19.45	19.28	19.44	20.00
10	64QAM	1	49	19.27	19.34	19.33	19.31	19.38	20.00
10	64QAM	25	0	19.45	19.37	19.45	19.43	19.54	20.00
10	64QAM	25	12	19.44	19.41	19.42	19.36	19.48	20.00
10	64QAM	25	25	19.42	19.28	19.41	19.33	19.50	20.00
10	64QAM	50	0	19.42	19.31	19.40	19.35	19.51	20.00
10	256QAM	1	0	19.44	19.43	19.54	19.46	19.45	20.00
10	256QAM	1	25	19.33	19.32	19.45	19.27	19.36	20.00
10	256QAM	1	49	19.29	19.26	19.39	19.25	19.33	20.00
10	256QAM	25	0	19.38	19.39	19.42	19.41	19.44	20.00
10	256QAM	25	12	19.36	19.40	19.42	19.25	19.42	20.00
10	256QAM	25	25	19.40	19.39	19.43	19.31	19.47	20.00
10	256QAM	50	0	19.33	19.33	19.32	19.32	19.44	20.00
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	
5	QPSK	1	0	19.55	19.47	19.66	19.52	19.67	20.00
5	QPSK	1	12	19.44	19.33	19.56	19.37	19.48	20.00
5	QPSK	1	24	19.47	19.48	19.47	19.33	19.49	20.00
5	QPSK	12	0	19.60	19.43	19.53	19.51	19.60	20.00
5	QPSK	12	7	19.49	19.40	19.56	19.52	19.52	20.00
5	QPSK	12	13	19.50	19.50	19.44	19.47	19.50	20.00
5	QPSK	25	0	19.57	19.45	19.56	19.52	19.53	20.00
5	16QAM	1	0	19.36	19.30	19.53	19.38	19.53	20.00
5	16QAM	1	12	19.25	19.25	19.34	19.29	19.34	20.00
5	16QAM	1	24	19.32	19.21	19.41	19.25	19.41	20.00
5	16QAM	12	0	19.42	19.39	19.58	19.38	19.53	20.00
5	16QAM	12	7	19.46	19.40	19.47	19.36	19.54	20.00
5	16QAM	12	13	19.44	19.42	19.52	19.39	19.55	20.00
5	16QAM	25	0	19.40	19.36	19.42	19.31	19.56	20.00
5	64QAM	1	0	19.40	19.42	19.49	19.38	19.51	20.00
5	64QAM	1	12	19.30	19.20	19.33	19.31	19.38	20.00
5	64QAM	1	24	19.31	19.24	19.29	19.29	19.42	20.00
5	64QAM	12	0	19.48	19.41	19.54	19.38	19.58	20.00
5	64QAM	12	7	19.41	19.39	19.38	19.37	19.44	20.00
5	64QAM	12	13	19.46	19.40	19.39	19.34	19.50	20.00
5	64QAM	25	0	19.47	19.36	19.42	19.38	19.54	20.00
5	256QAM	1	0	19.36	19.34	19.54	19.41	19.43	20.00
5	256QAM	1	12	19.31	19.22	19.39	19.27	19.41	20.00
5	256QAM	1	24	19.38	19.32	19.39	19.30	19.37	20.00
5	256QAM	12	0	19.41	19.41	19.46	19.34	19.51	20.00
5	256QAM	12	7	19.38	19.33	19.38	19.29	19.42	20.00
5	256QAM	12	13	19.37	19.35	19.38	19.26	19.37	20.00
5	256QAM	25	0	19.29	19.29	19.40	19.23	19.41	20.00

【LTE Band 48__FCC_Part 96
(3550~3700MHz)_Ant 2_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.35	23.57	23.47	23.29	23.36	24.60
20	QPSK	1	49	23.33	23.52	23.40	23.24	23.34	24.60
20	QPSK	1	99	23.15	23.43	23.29	23.16	23.30	24.60
20	QPSK	50	0	21.87	22.10	21.99	21.82	21.87	23.60
20	QPSK	50	24	21.79	21.97	21.97	21.67	21.76	23.60
20	QPSK	50	50	21.82	21.96	21.82	21.67	21.76	23.60
20	QPSK	100	0	21.79	22.00	21.83	21.66	21.80	23.60
20	16QAM	1	0	22.27	22.52	22.43	22.22	22.26	23.60
20	16QAM	1	49	22.28	22.49	22.35	22.19	22.29	23.60
20	16QAM	1	99	22.31	22.44	22.33	22.19	22.33	23.60
20	16QAM	50	0	20.78	20.99	20.90	20.72	20.78	22.60
20	16QAM	50	24	20.79	20.99	20.87	20.71	20.80	22.60
20	16QAM	50	50	20.82	20.99	20.85	20.70	20.81	22.60
20	16QAM	100	0	20.78	20.99	20.86	20.70	20.78	22.60
20	64QAM	1	0	21.00	21.30	21.15	20.95	21.03	22.60
20	64QAM	1	49	21.12	21.33	21.17	21.00	21.12	22.60
20	64QAM	1	99	21.12	21.24	21.08	20.95	20.97	22.60
20	64QAM	50	0	19.92	20.15	20.01	19.84	19.90	21.60
20	64QAM	50	24	19.94	20.11	19.97	19.81	19.90	21.60
20	64QAM	50	50	19.94	20.11	19.96	19.81	19.92	21.60
20	64QAM	100	0	19.93	20.13	19.99	19.81	19.92	21.60
20	256QAM	1	0	18.20	18.47	18.33	18.16	18.20	19.60
20	256QAM	1	49	18.31	18.53	18.16	18.21	18.33	19.60
20	256QAM	1	99	18.28	18.42	18.25	18.13	18.27	19.60
20	256QAM	50	0	18.44	18.69	18.53	18.35	18.44	19.60
20	256QAM	50	24	18.47	18.66	18.51	18.35	18.47	19.60
20	256QAM	50	50	18.49	18.64	18.41	18.36	18.49	19.60
20	256QAM	100	0	18.43	18.61	18.47	18.31	18.43	19.60
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.20	23.47	23.35	23.19	23.28	24.60
15	QPSK	1	37	23.27	23.40	23.33	23.21	23.25	24.60
15	QPSK	1	74	23.10	23.34	23.17	23.14	23.16	24.60
15	QPSK	36	0	21.66	22.05	21.86	21.69	21.81	23.60
15	QPSK	36	20	21.74	21.88	21.92	21.61	21.71	23.60
15	QPSK	36	39	21.79	21.82	21.70	21.66	21.71	23.60
15	QPSK	75	0	21.72	21.86	21.74	21.63	21.65	23.60
15	16QAM	1	0	22.16	22.46	22.34	22.08	22.16	23.60
15	16QAM	1	37	22.20	22.41	22.25	22.17	22.26	23.60
15	16QAM	1	74	22.20	22.30	22.29	22.13	22.26	23.60
15	16QAM	36	0	20.72	20.96	20.84	20.69	20.71	22.60
15	16QAM	36	20	20.77	20.95	20.78	20.66	20.65	22.60
15	16QAM	36	39	20.73	20.97	20.70	21.67	20.77	22.60
15	16QAM	75	0	20.75	20.97	20.82	20.66	20.70	22.60
15	64QAM	1	0	20.87	21.16	21.09	20.82	20.92	22.60
15	64QAM	1	37	21.10	21.21	21.02	20.87	21.10	22.60
15	64QAM	1	74	21.03	21.12	21.02	20.90	20.84	22.60
15	64QAM	36	0	19.82	20.07	19.87	19.82	19.89	21.60
15	64QAM	36	20	19.91	20.03	19.88	19.68	19.79	21.60
15	64QAM	36	39	19.82	20.07	19.93	19.74	19.89	21.60
15	64QAM	75	0	19.83	20.08	19.92	19.70	19.82	21.60
15	256QAM	1	0	18.05	18.40	18.25	18.05	18.05	19.60
15	256QAM	1	37	18.19	18.39	18.03	18.15	18.31	19.60
15	256QAM	1	74	18.20	18.33	18.18	18.08	18.13	19.60
15	256QAM	36	0	18.38	18.63	18.41	18.21	18.37	19.60
15	256QAM	36	20	18.41	18.55	18.40	18.33	18.37	19.60
15	256QAM	36	39	18.39	18.59	18.37	18.34	18.40	19.60
15	256QAM	75	0	18.30	18.58	18.35	18.21	18.41	19.60
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.30	23.45	23.40	23.21	23.31	24.60
10	QPSK	1	25	23.28	23.45	23.32	23.10	23.22	24.60
10	QPSK	1	49	23.07	23.31	23.25	23.08	23.23	24.60
10	QPSK	25	0	21.71	21.98	21.93	21.75	21.77	23.60
10	QPSK	25	12	21.75	21.92	21.92	21.69	21.62	23.60
10	QPSK	25	25	21.69	21.92	21.77	21.64	21.73	23.60
10	QPSK	50	0	21.70	21.89	21.70	21.65	21.65	23.60
10	16QAM	1	0	22.18	22.38	22.33	22.18	22.21	23.60
10	16QAM	1	25	22.21	22.43	22.23	22.08	22.14	23.60

10	16QAM	1	49	22.25	22.33	22.23	22.08	22.29	23.60
10	16QAM	25	0	20.64	20.88	20.87	20.68	20.72	22.60
10	16QAM	25	12	20.69	20.85	20.83	20.69	20.67	22.60
10	16QAM	25	25	20.77	20.92	20.71	20.67	20.69	22.60
10	16QAM	50	0	20.74	20.90	20.74	20.67	20.69	22.60
10	64QAM	1	0	20.95	21.20	21.06	20.93	20.89	22.60
10	64QAM	1	25	20.98	21.21	21.02	20.86	21.02	22.60
10	64QAM	1	49	21.09	21.13	21.06	20.85	20.92	22.60
10	64QAM	25	0	19.81	20.10	19.91	19.79	19.81	21.60
10	64QAM	25	12	19.84	20.07	19.94	19.72	19.77	21.60
10	64QAM	25	25	19.90	20.04	19.83	19.72	19.79	21.60
10	64QAM	50	0	19.89	20.09	19.91	19.72	19.87	21.60
10	256QAM	1	0	18.13	18.33	18.29	18.03	18.09	19.60
10	256QAM	1	25	18.21	18.40	18.13	18.16	18.28	19.60
10	256QAM	1	49	18.23	18.36	18.11	17.99	18.20	19.60
10	256QAM	25	0	18.40	18.65	18.44	18.32	18.36	19.60
10	256QAM	25	12	18.41	18.56	18.45	18.22	18.35	19.60
10	256QAM	25	25	18.42	18.59	18.35	18.27	18.39	19.60
10	256QAM	50	0	18.39	18.52	18.40	18.20	18.39	19.60
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.22	23.55	23.33	23.28	23.27	24.60
5	QPSK	1	12	23.32	23.40	23.38	23.22	23.19	24.60
5	QPSK	1	24	23.08	23.30	23.19	23.10	23.25	24.60
5	QPSK	12	0	21.66	22.09	21.87	21.78	21.86	23.60
5	QPSK	12	7	21.76	21.94	21.94	21.60	21.70	23.60
5	QPSK	12	13	21.67	21.92	21.78	21.62	21.75	23.60
5	QPSK	25	0	21.65	21.90	21.82	21.64	21.65	23.60
5	16QAM	1	0	22.12	22.50	22.28	22.09	22.14	23.60
5	16QAM	1	12	22.23	22.44	22.28	22.12	22.16	23.60
5	16QAM	1	24	22.23	22.36	22.25	22.15	22.25	23.60
5	16QAM	12	0	20.67	20.85	20.84	20.61	20.66	22.60
5	16QAM	12	7	20.67	20.92	20.78	20.61	20.66	22.60
5	16QAM	12	13	20.73	20.93	20.79	20.60	20.66	22.60
5	16QAM	25	0	20.77	20.98	20.81	20.68	20.68	22.60
5	64QAM	1	0	20.87	21.21	21.01	20.85	20.90	22.60
5	64QAM	1	12	21.04	21.23	21.13	20.95	20.99	22.60
5	64QAM	1	24	21.03	21.19	21.01	20.81	20.90	22.60
5	64QAM	12	0	19.77	20.10	19.88	19.82	19.76	21.60
5	64QAM	12	7	19.89	19.96	19.92	19.66	19.78	21.60
5	64QAM	12	13	19.84	20.05	19.93	19.77	19.87	21.60
5	64QAM	25	0	19.85	20.00	19.87	19.73	19.77	21.60
5	256QAM	1	0	18.19	18.36	18.31	18.10	18.19	19.60
5	256QAM	1	12	18.24	18.46	18.02	18.10	18.18	19.60
5	256QAM	1	24	18.15	18.29	18.12	18.08	18.24	19.60
5	256QAM	12	0	18.30	18.63	18.40	18.33	18.31	19.60
5	256QAM	12	7	18.45	18.58	18.44	18.20	18.41	19.60
5	256QAM	12	13	18.38	18.62	18.29	18.23	18.40	19.60
5	256QAM	25	0	18.35	18.50	18.44	18.24	18.38	19.60

【LTE Band 48 _FCC_ Part 96
(3550~3700MHz)_Ant 2_Index 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	23.35	23.57	23.47	23.29	23.36	24.60
20	QPSK	1	49	23.33	23.52	23.40	23.24	23.34	24.60
20	QPSK	1	99	23.15	23.43	23.29	23.16	23.30	24.60
20	QPSK	50	0	21.87	22.10	21.99	21.82	21.87	23.60
20	QPSK	50	24	21.79	21.97	21.97	21.67	21.76	23.60
20	QPSK	50	50	21.82	21.96	21.82	21.67	21.76	23.60
20	QPSK	100	0	21.79	22.00	21.83	21.66	21.80	23.60
20	16QAM	1	0	22.27	22.52	22.43	22.22	22.26	23.60
20	16QAM	1	49	22.28	22.49	22.35	22.19	22.29	23.60
20	16QAM	1	99	22.31	22.44	22.33	22.19	22.33	23.60
20	16QAM	50	0	20.78	20.99	20.90	20.72	20.78	22.60
20	16QAM	50	24	20.79	20.99	20.87	20.71	20.80	22.60
20	16QAM	50	50	20.82	20.99	20.85	20.70	20.81	22.60
20	16QAM	100	0	20.78	20.99	20.86	20.70	20.78	22.60
20	64QAM	1	0	21.00	21.30	21.15	20.95	21.03	22.60
20	64QAM	1	49	21.12	21.33	21.17	21.00	21.12	22.60
20	64QAM	1	99	21.12	21.24	21.08	20.95	20.97	22.60
20	64QAM	50	0	19.92	20.15	20.01	19.84	19.90	21.60
20	64QAM	50	24	19.94	20.11	19.97	19.81	19.90	21.60

20	64QAM	50	50	19.94	20.11	19.96	19.81	19.92	21.60
20	64QAM	100	0	19.93	20.13	19.99	19.81	19.92	21.60
20	256QAM	1	0	18.20	18.47	18.33	18.16	18.20	19.60
20	256QAM	1	49	18.31	18.53	18.16	18.21	18.33	19.60
20	256QAM	1	99	18.28	18.42	18.25	18.13	18.27	19.60
20	256QAM	50	0	18.44	18.69	18.53	18.35	18.44	19.60
20	256QAM	50	24	18.47	18.66	18.51	18.35	18.47	19.60
20	256QAM	50	50	18.49	18.64	18.41	18.36	18.49	19.60
20	256QAM	100	0	18.43	18.61	18.47	18.31	18.43	19.60
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.20	23.47	23.35	23.19	23.28	24.60
15	QPSK	1	37	23.27	23.40	23.33	23.21	23.25	24.60
15	QPSK	1	74	23.10	23.34	23.17	23.14	23.16	24.60
15	QPSK	36	0	21.66	22.05	21.86	21.69	21.81	23.60
15	QPSK	36	20	21.74	21.88	21.92	21.61	21.71	23.60
15	QPSK	36	39	21.79	21.82	21.70	21.66	21.71	23.60
15	QPSK	75	0	21.72	21.86	21.74	21.63	21.65	23.60
15	16QAM	1	0	22.16	22.46	22.34	22.08	22.16	23.60
15	16QAM	1	37	22.20	22.41	22.25	22.17	22.26	23.60
15	16QAM	1	74	22.20	22.30	22.29	22.13	22.26	23.60
15	16QAM	36	0	20.72	20.96	20.84	20.69	20.71	22.60
15	16QAM	36	20	20.77	20.95	20.78	20.66	20.65	22.60
15	16QAM	36	39	20.73	20.97	20.70	21.67	20.77	22.60
15	16QAM	75	0	20.75	20.97	20.82	20.66	20.70	22.60
15	64QAM	1	0	20.87	21.16	21.09	20.82	20.92	22.60
15	64QAM	1	37	21.10	21.21	21.02	20.87	21.10	22.60
15	64QAM	1	74	21.03	21.12	21.02	20.90	20.84	22.60
15	64QAM	36	0	19.82	20.07	19.87	19.82	19.89	21.60
15	64QAM	36	20	19.91	20.03	19.88	19.68	19.79	21.60
15	64QAM	36	39	19.82	20.07	19.93	19.74	19.89	21.60
15	64QAM	75	0	19.83	20.08	19.92	19.70	19.82	21.60
15	256QAM	1	0	18.05	18.40	18.25	18.05	18.05	19.60
15	256QAM	1	37	18.19	18.39	18.03	18.15	18.31	19.60
15	256QAM	1	74	18.20	18.33	18.18	18.08	18.13	19.60
15	256QAM	36	0	18.38	18.63	18.41	18.21	18.37	19.60
15	256QAM	36	20	18.41	18.55	18.40	18.33	18.37	19.60
15	256QAM	36	39	18.39	18.59	18.37	18.34	18.40	19.60
15	256QAM	75	0	18.30	18.58	18.35	18.21	18.41	19.60
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.30	23.45	23.40	23.21	23.31	24.60
10	QPSK	1	25	23.28	23.45	23.32	23.10	23.22	24.60
10	QPSK	1	49	23.07	23.31	23.25	23.08	23.23	24.60
10	QPSK	25	0	21.71	21.98	21.93	21.75	21.77	23.60
10	QPSK	25	12	21.75	21.92	21.92	21.69	21.62	23.60
10	QPSK	25	25	21.69	21.92	21.77	21.64	21.73	23.60
10	QPSK	50	0	21.70	21.89	21.70	21.65	21.65	23.60
10	16QAM	1	0	22.18	22.38	22.33	22.18	22.21	23.60
10	16QAM	1	25	22.21	22.43	22.23	22.08	22.14	23.60
10	16QAM	1	49	22.25	22.33	22.23	22.08	22.29	23.60
10	16QAM	25	0	20.64	20.88	20.87	20.68	20.72	22.60
10	16QAM	25	12	20.69	20.85	20.83	20.69	20.67	22.60
10	16QAM	25	25	20.77	20.92	20.71	20.67	20.69	22.60
10	16QAM	50	0	20.74	20.90	20.74	20.67	20.69	22.60
10	64QAM	1	0	20.95	21.20	21.06	20.93	20.89	22.60
10	64QAM	1	25	20.98	21.21	21.02	20.86	21.02	22.60
10	64QAM	1	49	21.09	21.13	21.06	20.85	20.92	22.60
10	64QAM	25	0	19.81	20.10	19.91	19.79	19.81	21.60
10	64QAM	25	12	19.84	20.07	19.94	19.72	19.77	21.60
10	64QAM	25	25	19.90	20.04	19.83	19.72	19.79	21.60
10	64QAM	50	0	19.89	20.09	19.91	19.72	19.87	21.60
10	256QAM	1	0	18.13	18.33	18.29	18.03	18.09	19.60
10	256QAM	1	25	18.21	18.40	18.13	18.16	18.28	19.60
10	256QAM	1	49	18.23	18.36	18.11	17.99	18.20	19.60
10	256QAM	25	0	18.40	18.65	18.44	18.32	18.36	19.60
10	256QAM	25	12	18.41	18.56	18.45	18.22	18.35	19.60
10	256QAM	25	25	18.42	18.59	18.35	18.27	18.39	19.60
10	256QAM	50	0	18.39	18.52	18.40	18.20	18.39	19.60
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.22	23.55	23.33	23.28	23.27	24.60
5	QPSK	1	12	23.32	23.40	23.38	23.22	23.19	24.60
5	QPSK	1	24	23.08	23.30	23.19	23.10	23.25	24.60
5	QPSK	12	0	21.66	22.09	21.87	21.78	21.86	23.60

5	QPSK	12	7	21.76	21.94	21.94	21.60	21.70	23.60
5	QPSK	12	13	21.67	21.92	21.78	21.62	21.75	23.60
5	QPSK	25	0	21.65	21.90	21.82	21.64	21.65	23.60
5	16QAM	1	0	22.12	22.50	22.28	22.09	22.14	23.60
5	16QAM	1	12	22.23	22.44	22.28	22.12	22.16	23.60
5	16QAM	1	24	22.23	22.36	22.25	22.15	22.25	23.60
5	16QAM	12	0	20.67	20.85	20.84	20.61	20.66	22.60
5	16QAM	12	7	20.67	20.92	20.78	20.61	20.66	22.60
5	16QAM	12	13	20.73	20.93	20.79	20.60	20.66	22.60
5	16QAM	25	0	20.77	20.98	20.81	20.68	20.68	22.60
5	64QAM	1	0	20.87	21.21	21.01	20.85	20.90	22.60
5	64QAM	1	12	21.04	21.23	21.13	20.95	20.99	22.60
5	64QAM	1	24	21.03	21.19	21.01	20.81	20.90	22.60
5	64QAM	12	0	19.77	20.10	19.88	19.82	19.76	21.60
5	64QAM	12	7	19.89	19.96	19.92	19.66	19.78	21.60
5	64QAM	12	13	19.84	20.05	19.93	19.77	19.87	21.60
5	64QAM	25	0	19.85	20.00	19.87	19.73	19.77	21.60
5	256QAM	1	0	18.19	18.36	18.31	18.10	18.19	19.60
5	256QAM	1	12	18.24	18.46	18.02	18.10	18.18	19.60
5	256QAM	1	24	18.15	18.29	18.12	18.08	18.24	19.60
5	256QAM	12	0	18.30	18.63	18.40	18.33	18.31	19.60
5	256QAM	12	7	18.45	18.58	18.44	18.20	18.41	19.60
5	256QAM	12	13	18.38	18.62	18.29	18.23	18.40	19.60
5	256QAM	25	0	18.35	18.50	18.44	18.24	18.38	19.60

【LTE Band 48_FCC_Part 96
(3550~3700MHz)_Ant 2_Index 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.35	23.57	23.47	23.29	23.36	24.10
20	QPSK	1	49	23.33	23.52	23.40	23.24	23.34	24.10
20	QPSK	1	99	23.15	23.43	23.29	23.16	23.30	24.10
20	QPSK	50	0	21.87	22.10	21.99	21.82	21.87	23.60
20	QPSK	50	24	21.79	21.97	21.97	21.67	21.76	23.60
20	QPSK	50	50	21.82	21.96	21.82	21.67	21.76	23.60
20	QPSK	100	0	21.79	22.00	21.83	21.66	21.80	23.60
20	16QAM	1	0	22.27	22.52	22.43	22.22	22.26	23.60
20	16QAM	1	49	22.28	22.49	22.35	22.19	22.29	23.60
20	16QAM	1	99	22.31	22.44	22.33	22.19	22.33	23.60
20	16QAM	50	0	20.78	20.99	20.90	20.72	20.78	22.60
20	16QAM	50	24	20.79	20.99	20.87	20.71	20.80	22.60
20	16QAM	50	50	20.82	20.99	20.85	20.70	20.81	22.60
20	16QAM	100	0	20.78	20.99	20.86	20.70	20.78	22.60
20	64QAM	1	0	21.00	21.30	21.15	20.95	21.03	22.60
20	64QAM	1	49	21.12	21.33	21.17	21.00	21.12	22.60
20	64QAM	1	99	21.12	21.24	21.08	20.95	20.97	22.60
20	64QAM	50	0	19.92	20.15	20.01	19.84	19.90	21.60
20	64QAM	50	24	19.94	20.11	19.97	19.81	19.90	21.60
20	64QAM	50	50	19.94	20.11	19.96	19.81	19.92	21.60
20	64QAM	100	0	19.93	20.13	19.99	19.81	19.92	21.60
20	256QAM	1	0	18.20	18.47	18.33	18.16	18.20	19.60
20	256QAM	1	49	18.31	18.53	18.16	18.21	18.33	19.60
20	256QAM	1	99	18.28	18.42	18.25	18.13	18.27	19.60
20	256QAM	50	0	18.44	18.69	18.53	18.35	18.44	19.60
20	256QAM	50	24	18.47	18.66	18.51	18.35	18.47	19.60
20	256QAM	50	50	18.49	18.64	18.41	18.36	18.49	19.60
20	256QAM	100	0	18.43	18.61	18.47	18.31	18.43	19.60
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.20	23.47	23.35	23.19	23.28	24.10
15	QPSK	1	37	23.27	23.40	23.33	23.21	23.25	24.10
15	QPSK	1	74	23.10	23.34	23.17	23.14	23.16	24.10
15	QPSK	36	0	21.66	22.05	21.86	21.69	21.81	23.60
15	QPSK	36	20	21.74	21.88	21.92	21.61	21.71	23.60
15	QPSK	36	39	21.79	21.82	21.70	21.66	21.71	23.60
15	QPSK	75	0	21.72	21.86	21.74	21.63	21.65	23.60
15	16QAM	1	0	22.16	22.46	22.34	22.08	22.16	23.60
15	16QAM	1	37	22.20	22.41	22.25	22.17	22.26	23.60
15	16QAM	1	74	22.20	22.30	22.29	22.13	22.26	23.60
15	16QAM	36	0	20.72	20.96	20.84	20.69	20.71	22.60
15	16QAM	36	20	20.77	20.95	20.78	20.66	20.65	22.60
15	16QAM	36	39	20.73	20.97	20.70	21.67	20.77	22.60
15	16QAM	75	0	20.75	20.97	20.82	20.66	20.70	22.60

15	64QAM	1	0	20.87	21.16	21.09	20.82	20.92	22.60
15	64QAM	1	37	21.10	21.21	21.02	20.87	21.10	22.60
15	64QAM	1	74	21.03	21.12	21.02	20.90	20.84	22.60
15	64QAM	36	0	19.82	20.07	19.87	19.82	19.89	21.60
15	64QAM	36	20	19.91	20.03	19.88	19.68	19.79	21.60
15	64QAM	36	39	19.82	20.07	19.93	19.74	19.89	21.60
15	64QAM	75	0	19.83	20.08	19.92	19.70	19.82	21.60
15	256QAM	1	0	18.05	18.40	18.25	18.05	18.05	19.60
15	256QAM	1	37	18.19	18.39	18.03	18.15	18.31	19.60
15	256QAM	1	74	18.20	18.33	18.18	18.08	18.13	19.60
15	256QAM	36	0	18.38	18.63	18.41	18.21	18.37	19.60
15	256QAM	36	20	18.41	18.55	18.40	18.33	18.37	19.60
15	256QAM	36	39	18.39	18.59	18.37	18.34	18.40	19.60
15	256QAM	75	0	18.30	18.58	18.35	18.21	18.41	19.60
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.30	23.45	23.40	23.21	23.31	24.10
10	QPSK	1	25	23.28	23.45	23.32	23.10	23.22	24.10
10	QPSK	1	49	23.07	23.31	23.25	23.08	23.23	24.10
10	QPSK	25	0	21.71	21.98	21.93	21.75	21.77	23.60
10	QPSK	25	12	21.75	21.92	21.92	21.69	21.62	23.60
10	QPSK	25	25	21.69	21.92	21.77	21.64	21.73	23.60
10	QPSK	50	0	21.70	21.89	21.70	21.65	21.65	23.60
10	16QAM	1	0	22.18	22.38	22.33	22.18	22.21	23.60
10	16QAM	1	25	22.21	22.43	22.23	22.08	22.14	23.60
10	16QAM	1	49	22.25	22.33	22.23	22.08	22.29	23.60
10	16QAM	25	0	20.64	20.88	20.87	20.68	20.72	22.60
10	16QAM	25	12	20.69	20.85	20.83	20.69	20.67	22.60
10	16QAM	25	25	20.77	20.92	20.71	20.67	20.69	22.60
10	16QAM	50	0	20.74	20.90	20.74	20.67	20.69	22.60
10	64QAM	1	0	20.95	21.20	21.06	20.93	20.89	22.60
10	64QAM	1	25	20.98	21.21	21.02	20.86	21.02	22.60
10	64QAM	1	49	21.09	21.13	21.06	20.85	20.92	22.60
10	64QAM	25	0	19.81	20.10	19.91	19.79	19.81	21.60
10	64QAM	25	12	19.84	20.07	19.94	19.72	19.77	21.60
10	64QAM	25	25	19.90	20.04	19.83	19.72	19.79	21.60
10	64QAM	50	0	19.89	20.09	19.91	19.72	19.87	21.60
10	256QAM	1	0	18.13	18.33	18.29	18.03	18.09	19.60
10	256QAM	1	25	18.21	18.40	18.13	18.16	18.28	19.60
10	256QAM	1	49	18.23	18.36	18.11	17.99	18.20	19.60
10	256QAM	25	0	18.40	18.65	18.44	18.32	18.36	19.60
10	256QAM	25	12	18.41	18.56	18.45	18.22	18.35	19.60
10	256QAM	25	25	18.42	18.59	18.35	18.27	18.39	19.60
10	256QAM	50	0	18.39	18.52	18.40	18.20	18.39	19.60
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.22	23.55	23.33	23.28	23.27	24.10
5	QPSK	1	12	23.32	23.40	23.38	23.22	23.19	24.10
5	QPSK	1	24	23.08	23.30	23.19	23.10	23.25	24.10
5	QPSK	12	0	21.66	22.09	21.87	21.78	21.86	23.60
5	QPSK	12	7	21.76	21.94	21.94	21.60	21.70	23.60
5	QPSK	12	13	21.67	21.92	21.78	21.62	21.75	23.60
5	QPSK	25	0	21.65	21.90	21.82	21.64	21.65	23.60
5	16QAM	1	0	22.12	22.50	22.28	22.09	22.14	23.60
5	16QAM	1	12	22.23	22.44	22.28	22.12	22.16	23.60
5	16QAM	1	24	22.23	22.36	22.25	22.15	22.25	23.60
5	16QAM	12	0	20.67	20.85	20.84	20.61	20.66	22.60
5	16QAM	12	7	20.67	20.92	20.78	20.61	20.66	22.60
5	16QAM	12	13	20.73	20.93	20.79	20.60	20.66	22.60
5	16QAM	25	0	20.77	20.98	20.81	20.68	20.68	22.60
5	64QAM	1	0	20.87	21.21	21.01	20.85	20.90	22.60
5	64QAM	1	12	21.04	21.23	21.13	20.95	20.99	22.60
5	64QAM	1	24	21.03	21.19	21.01	20.81	20.90	22.60
5	64QAM	12	0	19.77	20.10	19.88	19.82	19.76	21.60
5	64QAM	12	7	19.89	19.96	19.92	19.66	19.78	21.60
5	64QAM	12	13	19.84	20.05	19.93	19.77	19.87	21.60
5	64QAM	25	0	19.85	20.00	19.87	19.73	19.77	21.60
5	256QAM	1	0	18.19	18.36	18.31	18.10	18.19	19.60
5	256QAM	1	12	18.24	18.46	18.02	18.10	18.18	19.60
5	256QAM	1	24	18.15	18.29	18.12	18.08	18.24	19.60
5	256QAM	12	0	18.30	18.63	18.40	18.33	18.31	19.60
5	256QAM	12	7	18.45	18.58	18.44	18.20	18.41	19.60
5	256QAM	12	13	18.38	18.62	18.29	18.23	18.40	19.60
5	256QAM	25	0	18.35	18.50	18.44	18.24	18.38	19.60

【LTE Band 48__FCC_Part 96
(3550~3700MHz)_Ant 2_Index 5】

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	18.40
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	17.85	17.90	17.80	17.78	17.71	18.40
20	QPSK	1	49	17.76	17.80	17.67	17.64	17.63	18.40
20	QPSK	1	99	17.83	17.80	17.68	17.68	17.62	18.40
20	QPSK	50	0	17.82	17.87	17.76	17.73	17.66	18.40
20	QPSK	50	24	17.79	17.86	17.70	17.70	17.61	18.40
20	QPSK	50	50	17.79	17.85	17.68	17.73	17.64	18.40
20	QPSK	100	0	17.77	17.81	17.68	17.72	17.61	18.40
20	16QAM	1	0	17.84	17.81	17.73	17.68	17.70	18.40
20	16QAM	1	49	17.71	17.79	17.62	17.56	17.58	18.40
20	16QAM	1	99	17.75	17.78	17.65	17.62	17.59	18.40
20	16QAM	50	0	17.75	17.82	17.71	17.69	17.62	18.40
20	16QAM	50	24	17.73	17.82	17.70	17.68	17.64	18.40
20	16QAM	50	50	17.74	17.82	17.69	17.67	17.67	18.40
20	16QAM	100	0	17.73	17.82	17.69	17.68	17.61	18.40
20	64QAM	1	0	17.46	17.60	17.48	17.43	17.36	18.40
20	64QAM	1	49	17.31	17.52	17.39	17.37	17.35	18.40
20	64QAM	1	99	17.47	17.42	17.38	17.37	17.39	18.40
20	64QAM	50	0	17.70	17.83	17.74	17.67	17.55	18.40
20	64QAM	50	24	17.71	17.78	17.65	17.65	17.58	18.40
20	64QAM	50	50	17.71	17.76	17.67	17.70	17.54	18.40
20	64QAM	100	0	17.76	17.70	17.58	17.69	17.53	18.40
20	256QAM	1	0	17.54	17.71	17.61	17.57	17.49	18.40
20	256QAM	1	49	17.60	17.67	17.52	17.52	17.49	18.40
20	256QAM	1	99	17.68	17.59	17.55	17.56	17.58	18.40
20	256QAM	50	0	17.77	17.81	17.73	17.69	17.56	18.40
20	256QAM	50	24	17.76	17.79	17.68	17.59	17.56	18.40
20	256QAM	50	50	17.71	17.75	17.59	17.63	17.60	18.40
20	256QAM	100	0	17.72	17.72	17.59	17.70	17.59	18.40
Channel				55315	55820	55990	56160	56665	18.40
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	17.82	17.76	17.67	17.70	17.58	18.40
15	QPSK	1	37	17.69	17.69	17.65	17.52	17.59	18.40
15	QPSK	1	74	17.70	17.70	17.55	17.60	17.55	18.40
15	QPSK	36	0	17.67	17.86	17.74	17.68	17.61	18.40
15	QPSK	36	20	17.66	17.76	17.69	17.63	17.58	18.40
15	QPSK	36	39	17.75	17.84	17.56	17.65	17.59	18.40
15	QPSK	75	0	17.69	17.72	17.65	17.69	17.60	18.40
15	16QAM	1	0	17.82	17.80	17.66	17.55	17.57	18.40
15	16QAM	1	37	17.56	17.76	17.58	17.53	17.52	18.40
15	16QAM	1	74	17.63	17.69	17.56	17.52	17.49	18.40
15	16QAM	36	0	17.73	17.78	17.67	17.64	17.49	18.40
15	16QAM	36	20	17.66	17.75	17.66	17.64	17.60	18.40
15	16QAM	36	39	17.69	17.78	17.64	17.55	17.61	18.40
15	16QAM	75	0	17.63	17.80	17.66	17.59	17.51	18.40
15	64QAM	1	0	17.38	17.50	17.39	17.29	17.24	18.40
15	64QAM	1	37	17.16	17.44	17.27	17.22	17.29	18.40
15	64QAM	1	74	17.32	17.33	17.25	17.31	17.30	18.40
15	64QAM	36	0	17.60	17.78	17.68	17.56	17.52	18.40
15	64QAM	36	20	17.63	17.74	17.54	17.59	17.53	18.40
15	64QAM	36	39	17.69	17.73	17.56	17.56	17.43	18.40
15	64QAM	75	0	17.75	17.67	17.47	17.67	17.43	18.40
15	256QAM	1	0	17.53	17.69	17.48	17.56	17.38	18.40
15	256QAM	1	37	17.51	17.55	17.37	17.38	17.38	18.40
15	256QAM	1	74	17.62	17.51	17.54	17.43	17.49	18.40
15	256QAM	36	0	17.64	17.69	17.72	17.66	17.47	18.40
15	256QAM	36	20	17.66	17.72	17.56	17.50	17.50	18.40
15	256QAM	36	39	17.64	17.63	17.48	17.61	17.56	18.40
15	256QAM	75	0	17.65	17.61	17.48	17.58	17.49	18.40
Channel				55290	55815	55990	56165	56690	18.40
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	17.74	17.77	17.79	17.66	17.61	18.40
10	QPSK	1	25	17.63	17.71	17.55	17.62	17.55	18.40
10	QPSK	1	49	17.75	17.71	17.64	17.56	17.51	18.40
10	QPSK	25	0	17.72	17.82	17.67	17.61	17.54	18.40
10	QPSK	25	12	17.77	17.73	17.58	17.59	17.58	18.40
10	QPSK	25	25	17.76	17.83	17.54	17.62	17.54	18.40
10	QPSK	50	0	17.74	17.74	17.61	17.61	17.57	18.40
10	16QAM	1	0	17.78	17.68	17.63	17.56	17.62	18.40
10	16QAM	1	25	17.58	17.78	17.58	17.44	17.55	18.40

10	16QAM	1	49	17.62	17.70	17.63	17.57	17.49	18.40
10	16QAM	25	0	17.64	17.76	17.63	17.68	17.60	18.40
10	16QAM	25	12	17.67	17.68	17.67	17.64	17.50	18.40
10	16QAM	25	25	17.67	17.78	17.67	17.63	17.57	18.40
10	16QAM	50	0	17.61	17.69	17.60	17.61	17.51	18.40
10	64QAM	1	0	17.45	17.52	17.37	17.40	17.32	18.40
10	64QAM	1	25	17.24	17.49	17.27	17.35	17.32	18.40
10	64QAM	1	49	17.36	17.40	17.35	17.22	17.25	18.40
10	64QAM	25	0	17.66	17.81	17.69	17.57	17.43	18.40
10	64QAM	25	12	17.69	17.70	17.60	17.58	17.48	18.40
10	64QAM	25	25	17.70	17.65	17.60	17.57	17.46	18.40
10	64QAM	50	0	17.68	17.66	17.51	17.61	17.44	18.40
10	256QAM	1	0	17.49	17.69	17.55	17.44	17.40	18.40
10	256QAM	1	25	17.52	17.64	17.48	17.50	17.38	18.40
10	256QAM	1	49	17.64	17.49	17.51	17.51	17.56	18.40
10	256QAM	25	0	17.63	17.78	17.59	17.61	17.44	18.40
10	256QAM	25	12	17.70	17.64	17.58	17.49	17.41	18.40
10	256QAM	25	25	17.70	17.64	17.47	17.51	17.53	18.40
10	256QAM	50	0	17.58	17.58	17.45	17.64	17.49	18.40
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	17.78	17.88	17.77	17.69	17.69	18.40
5	QPSK	1	12	17.69	17.72	17.59	17.54	17.52	18.40
5	QPSK	1	24	17.75	17.73	17.62	17.61	17.52	18.40
5	QPSK	12	0	17.77	17.74	17.75	17.68	17.60	18.40
5	QPSK	12	7	17.66	17.74	17.60	17.58	17.56	18.40
5	QPSK	12	13	17.71	17.79	17.58	17.65	17.58	18.40
5	QPSK	25	0	17.71	17.76	17.55	17.64	17.47	18.40
5	16QAM	1	0	17.77	17.70	17.60	17.67	17.65	18.40
5	16QAM	1	12	17.64	17.72	17.55	17.45	17.55	18.40
5	16QAM	1	24	17.64	17.66	17.51	17.51	17.48	18.40
5	16QAM	12	0	17.65	17.72	17.64	17.65	17.58	18.40
5	16QAM	12	7	17.64	17.76	17.56	17.66	17.51	18.40
5	16QAM	12	13	17.64	17.72	17.65	17.53	17.54	18.40
5	16QAM	25	0	17.66	17.77	17.65	17.58	17.51	18.40
5	64QAM	1	0	17.34	17.45	17.43	17.41	17.30	18.40
5	64QAM	1	12	17.21	17.44	17.32	17.36	17.32	18.40
5	64QAM	1	24	17.45	17.27	17.35	17.28	17.36	18.40
5	64QAM	12	0	17.67	17.77	17.73	17.65	17.53	18.40
5	64QAM	12	7	17.56	17.69	17.51	17.58	17.50	18.40
5	64QAM	12	13	17.57	17.62	17.54	17.56	17.52	18.40
5	64QAM	25	0	17.61	17.64	17.47	17.54	17.41	18.40
5	256QAM	1	0	17.47	17.58	17.51	17.53	17.37	18.40
5	256QAM	1	12	17.50	17.61	17.46	17.48	17.44	18.40
5	256QAM	1	24	17.58	17.46	17.45	17.54	17.46	18.40
5	256QAM	12	0	17.71	17.72	17.60	17.59	17.53	18.40
5	256QAM	12	7	17.72	17.70	17.57	17.54	17.49	18.40
5	256QAM	12	13	17.65	17.71	17.49	17.58	17.52	18.40
5	256QAM	25	0	17.68	17.58	17.56	17.56	17.47	18.40

【LTE Band 48 _FCC_ Part 96
(3550~3700MHz)_Ant 2_Index 4/6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	17.85	17.90	17.80	17.78	17.71	18.40
20	QPSK	1	49	17.76	17.80	17.67	17.64	17.63	18.40
20	QPSK	1	99	17.83	17.80	17.68	17.68	17.62	18.40
20	QPSK	50	0	17.82	17.87	17.76	17.73	17.66	18.40
20	QPSK	50	24	17.79	17.86	17.70	17.70	17.61	18.40
20	QPSK	50	50	17.79	17.85	17.68	17.73	17.64	18.40
20	QPSK	100	0	17.77	17.81	17.68	17.72	17.61	18.40
20	16QAM	1	0	17.84	17.81	17.73	17.68	17.70	18.40
20	16QAM	1	49	17.71	17.79	17.62	17.56	17.58	18.40
20	16QAM	1	99	17.75	17.78	17.65	17.62	17.59	18.40
20	16QAM	50	0	17.75	17.82	17.71	17.69	17.62	18.40
20	16QAM	50	24	17.73	17.82	17.70	17.68	17.64	18.40
20	16QAM	50	50	17.74	17.82	17.69	17.67	17.67	18.40
20	16QAM	100	0	17.73	17.82	17.69	17.68	17.61	18.40
20	64QAM	1	0	17.46	17.60	17.48	17.43	17.36	18.40
20	64QAM	1	49	17.31	17.52	17.39	17.37	17.35	18.40
20	64QAM	1	99	17.47	17.42	17.38	17.37	17.39	18.40
20	64QAM	50	0	17.70	17.83	17.74	17.67	17.55	18.40
20	64QAM	50	24	17.71	17.78	17.65	17.65	17.58	18.40



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20	64QAM	50	50	17.71	17.76	17.67	17.70	17.54	18.40
20	64QAM	100	0	17.76	17.70	17.58	17.69	17.53	18.40
20	256QAM	1	0	17.54	17.71	17.61	17.57	17.49	18.40
20	256QAM	1	49	17.60	17.67	17.52	17.52	17.49	18.40
20	256QAM	1	99	17.68	17.59	17.55	17.56	17.58	18.40
20	256QAM	50	0	17.77	17.81	17.73	17.69	17.56	18.40
20	256QAM	50	24	17.76	17.79	17.68	17.59	17.56	18.40
20	256QAM	50	50	17.71	17.75	17.59	17.63	17.60	18.40
20	256QAM	100	0	17.72	17.72	17.59	17.70	17.59	18.40
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	17.82	17.76	17.67	17.70	17.58	18.40
15	QPSK	1	37	17.69	17.69	17.65	17.52	17.59	18.40
15	QPSK	1	74	17.70	17.70	17.55	17.60	17.55	18.40
15	QPSK	36	0	17.67	17.86	17.74	17.68	17.61	18.40
15	QPSK	36	20	17.66	17.76	17.69	17.63	17.58	18.40
15	QPSK	36	39	17.75	17.84	17.56	17.65	17.59	18.40
15	QPSK	75	0	17.69	17.72	17.65	17.69	17.60	18.40
15	16QAM	1	0	17.82	17.80	17.66	17.55	17.57	18.40
15	16QAM	1	37	17.56	17.76	17.58	17.53	17.52	18.40
15	16QAM	1	74	17.63	17.69	17.56	17.52	17.49	18.40
15	16QAM	36	0	17.73	17.78	17.67	17.64	17.49	18.40
15	16QAM	36	20	17.66	17.75	17.66	17.64	17.60	18.40
15	16QAM	36	39	17.69	17.78	17.64	17.55	17.61	18.40
15	16QAM	75	0	17.63	17.80	17.66	17.59	17.51	18.40
15	64QAM	1	0	17.38	17.50	17.39	17.29	17.24	18.40
15	64QAM	1	37	17.16	17.44	17.27	17.22	17.29	18.40
15	64QAM	1	74	17.32	17.33	17.25	17.31	17.30	18.40
15	64QAM	36	0	17.60	17.78	17.68	17.56	17.52	18.40
15	64QAM	36	20	17.63	17.74	17.54	17.59	17.53	18.40
15	64QAM	36	39	17.69	17.73	17.56	17.56	17.43	18.40
15	64QAM	75	0	17.75	17.67	17.47	17.67	17.43	18.40
15	256QAM	1	0	17.53	17.69	17.48	17.56	17.38	18.40
15	256QAM	1	37	17.51	17.55	17.37	17.38	17.38	18.40
15	256QAM	1	74	17.62	17.51	17.54	17.43	17.49	18.40
15	256QAM	36	0	17.64	17.69	17.72	17.66	17.47	18.40
15	256QAM	36	20	17.66	17.72	17.56	17.50	17.50	18.40
15	256QAM	36	39	17.64	17.63	17.48	17.61	17.56	18.40
15	256QAM	75	0	17.65	17.61	17.48	17.58	17.49	18.40
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	17.74	17.77	17.79	17.66	17.61	18.40
10	QPSK	1	25	17.63	17.71	17.55	17.62	17.55	18.40
10	QPSK	1	49	17.75	17.71	17.64	17.56	17.51	18.40
10	QPSK	25	0	17.72	17.82	17.67	17.61	17.54	18.40
10	QPSK	25	12	17.77	17.73	17.58	17.59	17.58	18.40
10	QPSK	25	25	17.76	17.83	17.54	17.62	17.54	18.40
10	QPSK	50	0	17.74	17.74	17.61	17.61	17.57	18.40
10	16QAM	1	0	17.78	17.68	17.63	17.56	17.62	18.40
10	16QAM	1	25	17.58	17.78	17.58	17.44	17.55	18.40
10	16QAM	1	49	17.62	17.70	17.63	17.57	17.49	18.40
10	16QAM	25	0	17.64	17.76	17.63	17.68	17.60	18.40
10	16QAM	25	12	17.67	17.68	17.67	17.64	17.50	18.40
10	16QAM	25	25	17.67	17.78	17.67	17.63	17.57	18.40
10	16QAM	50	0	17.61	17.69	17.60	17.61	17.51	18.40
10	64QAM	1	0	17.45	17.52	17.37	17.40	17.32	18.40
10	64QAM	1	25	17.24	17.49	17.27	17.35	17.32	18.40
10	64QAM	1	49	17.36	17.40	17.35	17.22	17.25	18.40
10	64QAM	25	0	17.66	17.81	17.69	17.57	17.43	18.40
10	64QAM	25	12	17.69	17.70	17.60	17.58	17.48	18.40
10	64QAM	25	25	17.70	17.65	17.60	17.57	17.46	18.40
10	64QAM	50	0	17.68	17.66	17.51	17.61	17.44	18.40
10	256QAM	1	0	17.49	17.69	17.55	17.44	17.40	18.40
10	256QAM	1	25	17.52	17.64	17.48	17.50	17.38	18.40
10	256QAM	1	49	17.64	17.49	17.51	17.51	17.56	18.40
10	256QAM	25	0	17.63	17.78	17.59	17.61	17.44	18.40
10	256QAM	25	12	17.70	17.64	17.58	17.49	17.41	18.40
10	256QAM	25	25	17.70	17.64	17.47	17.51	17.53	18.40
10	256QAM	50	0	17.58	17.58	17.45	17.64	17.49	18.40
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	17.78	17.88	17.77	17.69	17.69	18.40
5	QPSK	1	12	17.69	17.72	17.59	17.54	17.52	18.40
5	QPSK	1	24	17.75	17.73	17.62	17.61	17.52	18.40
5	QPSK	12	0	17.77	17.74	17.75	17.68	17.60	18.40

5	QPSK	12	7	17.66	17.74	17.60	17.58	17.56	18.40
5	QPSK	12	13	17.71	17.79	17.58	17.65	17.58	18.40
5	QPSK	25	0	17.71	17.76	17.55	17.64	17.47	18.40
5	16QAM	1	0	17.77	17.70	17.60	17.67	17.65	18.40
5	16QAM	1	12	17.64	17.72	17.55	17.45	17.55	18.40
5	16QAM	1	24	17.64	17.66	17.51	17.51	17.48	18.40
5	16QAM	12	0	17.65	17.72	17.64	17.65	17.58	18.40
5	16QAM	12	7	17.64	17.76	17.56	17.66	17.51	18.40
5	16QAM	12	13	17.64	17.72	17.65	17.53	17.54	18.40
5	16QAM	25	0	17.66	17.77	17.65	17.58	17.51	18.40
5	64QAM	1	0	17.34	17.45	17.43	17.41	17.30	18.40
5	64QAM	1	12	17.21	17.44	17.32	17.36	17.32	18.40
5	64QAM	1	24	17.45	17.27	17.35	17.28	17.36	18.40
5	64QAM	12	0	17.67	17.77	17.73	17.65	17.53	18.40
5	64QAM	12	7	17.56	17.69	17.51	17.58	17.50	18.40
5	64QAM	12	13	17.57	17.62	17.54	17.56	17.52	18.40
5	64QAM	25	0	17.61	17.64	17.47	17.54	17.41	18.40
5	256QAM	1	0	17.47	17.58	17.51	17.53	17.37	18.40
5	256QAM	1	12	17.50	17.61	17.46	17.48	17.44	18.40
5	256QAM	1	24	17.58	17.46	17.45	17.54	17.46	18.40
5	256QAM	12	0	17.71	17.72	17.60	17.59	17.53	18.40
5	256QAM	12	7	17.72	17.70	17.57	17.54	17.49	18.40
5	256QAM	12	13	17.65	17.71	17.49	17.58	17.52	18.40
5	256QAM	25	0	17.68	17.58	17.56	17.56	17.47	18.40

【LTE Band 48_FCC_Part 96
(3550~3700MHz)_Ant 6_Index 1】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.75	23.90	23.84	23.75	23.66	25.10
20	QPSK	1	49	23.50	23.77	23.60	23.58	23.64	25.10
20	QPSK	1	99	23.57	23.77	23.61	23.45	23.65	25.10
20	QPSK	50	0	22.26	22.47	22.32	22.18	22.16	24.10
20	QPSK	50	24	22.24	22.44	22.29	22.13	22.12	24.10
20	QPSK	50	50	22.23	22.45	22.27	22.11	22.15	24.10
20	QPSK	100	0	22.24	22.42	22.28	22.13	22.12	24.10
20	16QAM	1	0	22.62	22.92	22.81	22.62	22.54	24.10
20	16QAM	1	49	22.60	22.84	22.70	22.51	22.50	24.10
20	16QAM	1	99	22.66	22.85	22.69	22.51	22.59	24.10
20	16QAM	50	0	21.23	21.49	21.35	21.17	21.14	23.10
20	16QAM	50	24	21.24	21.48	21.33	21.15	21.16	23.10
20	16QAM	50	50	21.25	21.47	21.29	21.15	21.17	23.10
20	16QAM	100	0	21.22	21.46	21.31	21.15	21.14	23.10
20	64QAM	1	0	21.26	21.67	21.55	21.39	21.27	23.10
20	64QAM	1	49	21.45	21.70	21.55	21.34	21.36	23.10
20	64QAM	1	99	21.45	21.60	21.43	21.28	21.36	23.10
20	64QAM	50	0	20.27	20.49	20.40	20.22	20.14	22.10
20	64QAM	50	24	20.25	20.51	20.37	20.17	20.22	22.10
20	64QAM	50	50	20.27	20.49	20.34	20.15	20.16	22.10
20	64QAM	100	0	20.27	20.49	20.34	20.17	20.15	22.10
20	256QAM	1	0	18.33	18.41	18.27	18.25	18.42	20.10
20	256QAM	1	49	18.38	18.64	18.51	18.32	18.31	20.10
20	256QAM	1	99	18.38	18.58	18.31	18.23	18.32	20.10
20	256QAM	50	0	18.57	18.83	18.71	18.55	18.49	20.10
20	256QAM	50	24	18.58	18.82	18.68	18.50	18.52	20.10
20	256QAM	50	50	18.60	18.82	18.66	18.48	18.50	20.10
20	256QAM	100	0	18.54	18.79	18.55	18.46	18.45	20.10
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.70	23.85	23.86	23.71	23.64	25.10
15	QPSK	1	37	23.63	23.84	23.74	23.55	23.53	25.10
15	QPSK	1	74	23.72	23.73	23.77	23.62	23.68	25.10
15	QPSK	36	0	22.22	22.61	22.36	22.33	22.27	24.10
15	QPSK	36	20	22.23	22.48	22.34	22.17	22.25	24.10
15	QPSK	36	39	22.24	22.45	22.31	22.16	22.16	24.10
15	QPSK	75	0	22.23	22.47	22.35	22.19	22.15	24.10
15	16QAM	1	0	22.61	22.91	22.81	22.61	22.53	24.10
15	16QAM	1	37	22.45	22.74	22.57	22.40	22.38	24.10
15	16QAM	1	74	22.65	22.89	22.71	22.56	22.60	24.10
15	16QAM	36	0	21.18	21.46	21.32	21.15	21.10	23.10
15	16QAM	36	20	21.19	21.45	21.30	21.12	21.11	23.10
15	16QAM	36	39	21.20	21.44	21.31	21.11	21.16	23.10
15	16QAM	75	0	21.23	21.48	21.37	21.20	21.19	23.10

15	64QAM	1	0	21.36	21.64	21.54	21.36	21.31	23.10
15	64QAM	1	37	21.35	21.62	21.48	21.29	21.28	23.10
15	64QAM	1	74	21.40	21.62	21.45	21.28	21.34	23.10
15	64QAM	36	0	20.20	20.48	20.34	20.16	20.12	22.10
15	64QAM	36	20	20.20	20.47	20.31	20.14	20.13	22.10
15	64QAM	36	39	20.21	20.45	20.30	20.13	20.15	22.10
15	64QAM	75	0	20.22	20.48	20.32	20.17	20.14	22.10
15	256QAM	1	0	18.53	18.84	18.70	18.49	18.45	20.10
15	256QAM	1	37	18.44	18.71	18.57	18.40	18.39	20.10
15	256QAM	1	74	18.57	18.79	18.62	18.45	18.50	20.10
15	256QAM	36	0	18.70	19.01	18.88	18.70	18.65	20.10
15	256QAM	36	20	18.71	19.00	18.85	18.62	18.66	20.10
15	256QAM	36	39	18.73	18.97	18.85	18.69	18.70	20.10
15	256QAM	75	0	18.73	18.97	18.86	18.70	18.68	20.10
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.60	23.87	23.80	23.63	23.59	25.10
10	QPSK	1	25	23.53	23.83	23.68	23.50	23.51	25.10
10	QPSK	1	49	23.54	23.80	23.78	23.62	23.65	25.10
10	QPSK	25	0	22.17	22.43	22.30	22.23	22.23	24.10
10	QPSK	25	12	22.17	22.42	22.29	22.14	22.16	24.10
10	QPSK	25	25	22.20	22.44	22.29	22.16	22.15	24.10
10	QPSK	50	0	22.19	22.45	22.28	22.12	22.12	24.10
10	16QAM	1	0	22.62	22.93	22.78	22.61	22.56	24.10
10	16QAM	1	25	22.84	23.11	22.97	22.80	22.78	24.10
10	16QAM	1	49	22.57	22.88	22.70	22.53	22.58	24.10
10	16QAM	25	0	21.15	21.47	21.30	21.14	21.11	23.10
10	16QAM	25	12	21.15	21.44	21.28	21.11	21.11	23.10
10	16QAM	25	25	21.16	21.44	21.28	21.14	21.13	23.10
10	16QAM	50	0	21.19	21.47	21.32	21.18	21.17	23.10
10	64QAM	1	0	21.35	21.66	21.52	21.34	21.29	23.10
10	64QAM	1	25	21.30	21.69	21.39	21.27	21.21	23.10
10	64QAM	1	49	21.37	21.62	21.45	21.29	21.33	23.10
10	64QAM	25	0	20.12	20.53	20.39	20.20	20.18	22.10
10	64QAM	25	12	20.20	20.51	20.35	20.18	20.17	22.10
10	64QAM	25	25	20.21	20.50	20.34	20.16	20.18	22.10
10	64QAM	50	0	20.21	20.38	20.32	20.17	20.17	22.10
10	256QAM	1	0	18.49	18.79	18.65	18.43	18.43	20.10
10	256QAM	1	25	18.55	18.83	18.68	18.49	18.49	20.10
10	256QAM	1	49	18.43	18.80	18.64	18.47	18.51	20.10
10	256QAM	25	0	18.70	19.02	18.87	18.70	18.66	20.10
10	256QAM	25	12	18.67	18.99	18.84	18.58	18.65	20.10
10	256QAM	25	25	18.69	19.00	18.85	18.67	18.68	20.10
10	256QAM	50	0	18.66	19.05	18.91	18.74	18.74	20.10
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.44	23.84	23.76	23.64	23.63	25.10
5	QPSK	1	12	23.42	23.76	23.58	23.42	23.41	25.10
5	QPSK	1	24	23.49	23.75	23.73	23.46	23.48	25.10
5	QPSK	12	0	22.19	22.47	22.47	22.19	22.18	24.10
5	QPSK	12	7	22.22	22.49	22.49	22.20	22.22	24.10
5	QPSK	12	13	22.20	22.47	22.33	22.18	22.20	24.10
5	QPSK	25	0	22.23	22.50	22.37	22.21	22.22	24.10
5	16QAM	1	0	22.48	22.82	22.70	22.51	22.51	24.10
5	16QAM	1	12	22.36	22.69	22.54	22.36	22.36	24.10
5	16QAM	1	24	22.55	22.84	22.72	22.52	22.57	24.10
5	16QAM	12	0	21.17	21.45	21.34	21.14	21.14	23.10
5	16QAM	12	7	21.13	21.42	21.29	21.10	21.11	23.10
5	16QAM	12	13	21.16	21.45	21.32	21.13	21.18	23.10
5	16QAM	25	0	21.20	21.48	21.37	21.18	21.22	23.10
5	64QAM	1	0	21.30	21.60	21.48	21.29	21.29	23.10
5	64QAM	1	12	21.30	21.60	21.46	21.29	21.34	23.10
5	64QAM	1	24	21.32	21.61	21.45	21.28	21.31	23.10
5	64QAM	12	0	20.17	20.51	20.36	20.20	20.19	22.10
5	64QAM	12	7	20.16	20.48	20.33	20.15	20.17	22.10
5	64QAM	12	13	20.18	20.49	20.34	20.17	20.18	22.10
5	64QAM	25	0	20.16	20.48	20.35	20.16	20.10	22.10
5	256QAM	1	0	18.48	18.77	18.64	18.47	18.46	20.10
5	256QAM	1	12	18.41	18.69	18.57	18.39	18.41	20.10
5	256QAM	1	24	18.45	18.73	18.58	18.40	18.46	20.10
5	256QAM	12	0	18.74	19.05	18.91	18.74	18.74	20.10
5	256QAM	12	7	18.72	19.02	18.87	18.70	18.71	20.10
5	256QAM	12	13	18.75	19.05	18.90	18.73	18.75	20.10
5	256QAM	25	0	18.68	18.98	18.83	18.61	18.68	20.10



FCC SAR TEST REPORT

Report No. :FA550731B

【LTE Band 48__FCC_Part 96
(3550~3700MHz)_Ant 6_Index 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.75	23.90	23.84	23.75	23.66	25.10
20	QPSK	1	49	23.50	23.77	23.60	23.58	23.64	25.10
20	QPSK	1	99	23.57	23.77	23.61	23.45	23.65	25.10
20	QPSK	50	0	22.26	22.47	22.32	22.18	22.16	24.10
20	QPSK	50	24	22.24	22.44	22.29	22.13	22.12	24.10
20	QPSK	50	50	22.23	22.45	22.27	22.11	22.15	24.10
20	QPSK	100	0	22.24	22.42	22.28	22.13	22.12	24.10
20	16QAM	1	0	22.62	22.92	22.81	22.62	22.54	24.10
20	16QAM	1	49	22.60	22.84	22.70	22.51	22.50	24.10
20	16QAM	1	99	22.66	22.85	22.69	22.51	22.59	24.10
20	16QAM	50	0	21.23	21.49	21.35	21.17	21.14	23.10
20	16QAM	50	24	21.24	21.48	21.33	21.15	21.16	23.10
20	16QAM	50	50	21.25	21.47	21.29	21.15	21.17	23.10
20	16QAM	100	0	21.22	21.46	21.31	21.15	21.14	23.10
20	64QAM	1	0	21.26	21.67	21.55	21.39	21.27	23.10
20	64QAM	1	49	21.45	21.70	21.55	21.34	21.36	23.10
20	64QAM	1	99	21.45	21.60	21.43	21.28	21.36	23.10
20	64QAM	50	0	20.27	20.49	20.40	20.22	20.14	22.10
20	64QAM	50	24	20.25	20.51	20.37	20.17	20.22	22.10
20	64QAM	50	50	20.27	20.49	20.34	20.15	20.16	22.10
20	64QAM	100	0	20.27	20.49	20.34	20.17	20.15	22.10
20	256QAM	1	0	18.33	18.41	18.27	18.25	18.42	20.10
20	256QAM	1	49	18.38	18.64	18.51	18.32	18.31	20.10
20	256QAM	1	99	18.38	18.58	18.31	18.23	18.32	20.10
20	256QAM	50	0	18.57	18.83	18.71	18.55	18.49	20.10
20	256QAM	50	24	18.58	18.82	18.68	18.50	18.52	20.10
20	256QAM	50	50	18.60	18.82	18.66	18.48	18.50	20.10
20	256QAM	100	0	18.54	18.79	18.55	18.46	18.45	20.10
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.70	23.85	23.86	23.71	23.64	25.10
15	QPSK	1	37	23.63	23.84	23.74	23.55	23.53	25.10
15	QPSK	1	74	23.72	23.73	23.77	23.62	23.68	25.10
15	QPSK	36	0	22.22	22.61	22.36	22.33	22.27	24.10
15	QPSK	36	20	22.23	22.48	22.34	22.17	22.25	24.10
15	QPSK	36	39	22.24	22.45	22.31	22.16	22.16	24.10
15	QPSK	75	0	22.23	22.47	22.35	22.19	22.15	24.10
15	16QAM	1	0	22.61	22.91	22.81	22.61	22.53	24.10
15	16QAM	1	37	22.45	22.74	22.57	22.40	22.38	24.10
15	16QAM	1	74	22.65	22.89	22.71	22.56	22.60	24.10
15	16QAM	36	0	21.18	21.46	21.32	21.15	21.10	23.10
15	16QAM	36	20	21.19	21.45	21.30	21.12	21.11	23.10
15	16QAM	36	39	21.20	21.44	21.31	21.11	21.16	23.10
15	16QAM	75	0	21.23	21.48	21.37	21.20	21.19	23.10
15	64QAM	1	0	21.36	21.64	21.54	21.36	21.31	23.10
15	64QAM	1	37	21.35	21.62	21.48	21.29	21.28	23.10
15	64QAM	1	74	21.40	21.62	21.45	21.28	21.34	23.10
15	64QAM	36	0	20.20	20.48	20.34	20.16	20.12	22.10
15	64QAM	36	20	20.20	20.47	20.31	20.14	20.13	22.10
15	64QAM	36	39	20.21	20.45	20.30	20.13	20.15	22.10
15	64QAM	75	0	20.22	20.48	20.32	20.17	20.14	22.10
15	256QAM	1	0	18.53	18.84	18.70	18.49	18.45	20.10
15	256QAM	1	37	18.44	18.71	18.57	18.40	18.39	20.10
15	256QAM	1	74	18.57	18.79	18.62	18.45	18.50	20.10
15	256QAM	36	0	18.70	19.01	18.88	18.70	18.65	20.10
15	256QAM	36	20	18.71	19.00	18.85	18.62	18.66	20.10
15	256QAM	36	39	18.73	18.97	18.85	18.69	18.70	20.10
15	256QAM	75	0	18.73	18.97	18.86	18.70	18.68	20.10
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.60	23.87	23.80	23.63	23.59	25.10
10	QPSK	1	25	23.53	23.83	23.68	23.50	23.51	25.10
10	QPSK	1	49	23.54	23.80	23.78	23.62	23.65	25.10
10	QPSK	25	0	22.17	22.43	22.30	22.23	22.23	24.10
10	QPSK	25	12	22.17	22.42	22.29	22.14	22.16	24.10
10	QPSK	25	25	22.20	22.44	22.29	22.16	22.15	24.10
10	QPSK	50	0	22.19	22.45	22.28	22.12	22.12	24.10
10	16QAM	1	0	22.62	22.93	22.78	22.61	22.56	24.10
10	16QAM	1	25	22.84	23.11	22.97	22.80	22.78	24.10

10	16QAM	1	49	22.57	22.88	22.70	22.53	22.58	24.10
10	16QAM	25	0	21.15	21.47	21.30	21.14	21.11	23.10
10	16QAM	25	12	21.15	21.44	21.28	21.11	21.11	23.10
10	16QAM	25	25	21.16	21.44	21.28	21.14	21.13	23.10
10	16QAM	50	0	21.19	21.47	21.32	21.18	21.17	23.10
10	64QAM	1	0	21.35	21.66	21.52	21.34	21.29	23.10
10	64QAM	1	25	21.30	21.69	21.39	21.27	21.21	23.10
10	64QAM	1	49	21.37	21.62	21.45	21.29	21.33	23.10
10	64QAM	25	0	20.12	20.53	20.39	20.20	20.18	22.10
10	64QAM	25	12	20.20	20.51	20.35	20.18	20.17	22.10
10	64QAM	25	25	20.21	20.50	20.34	20.16	20.18	22.10
10	64QAM	50	0	20.21	20.38	20.32	20.17	20.17	22.10
10	256QAM	1	0	18.49	18.79	18.65	18.43	18.43	20.10
10	256QAM	1	25	18.55	18.83	18.68	18.49	18.49	20.10
10	256QAM	1	49	18.43	18.80	18.64	18.47	18.51	20.10
10	256QAM	25	0	18.70	19.02	18.87	18.70	18.66	20.10
10	256QAM	25	12	18.67	18.99	18.84	18.58	18.65	20.10
10	256QAM	25	25	18.69	19.00	18.85	18.67	18.68	20.10
10	256QAM	50	0	18.66	19.05	18.91	18.74	18.74	20.10
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.44	23.84	23.76	23.64	23.63	25.10
5	QPSK	1	12	23.42	23.76	23.58	23.42	23.41	25.10
5	QPSK	1	24	23.49	23.75	23.73	23.46	23.48	25.10
5	QPSK	12	0	22.19	22.47	22.47	22.19	22.18	24.10
5	QPSK	12	7	22.22	22.49	22.49	22.20	22.22	24.10
5	QPSK	12	13	22.20	22.47	22.33	22.18	22.20	24.10
5	QPSK	25	0	22.23	22.50	22.37	22.21	22.22	24.10
5	16QAM	1	0	22.48	22.82	22.70	22.51	22.51	24.10
5	16QAM	1	12	22.36	22.69	22.54	22.36	22.36	24.10
5	16QAM	1	24	22.55	22.84	22.72	22.52	22.57	24.10
5	16QAM	12	0	21.17	21.45	21.34	21.14	21.14	23.10
5	16QAM	12	7	21.13	21.42	21.29	21.10	21.11	23.10
5	16QAM	12	13	21.16	21.45	21.32	21.13	21.18	23.10
5	16QAM	25	0	21.20	21.48	21.37	21.18	21.22	23.10
5	64QAM	1	0	21.30	21.60	21.48	21.29	21.29	23.10
5	64QAM	1	12	21.30	21.60	21.46	21.29	21.34	23.10
5	64QAM	1	24	21.32	21.61	21.45	21.28	21.31	23.10
5	64QAM	12	0	20.17	20.51	20.36	20.20	20.19	22.10
5	64QAM	12	7	20.16	20.48	20.33	20.15	20.17	22.10
5	64QAM	12	13	20.18	20.49	20.34	20.17	20.18	22.10
5	64QAM	25	0	20.16	20.48	20.35	20.16	20.10	22.10
5	256QAM	1	0	18.48	18.77	18.64	18.47	18.46	20.10
5	256QAM	1	12	18.41	18.69	18.57	18.39	18.41	20.10
5	256QAM	1	24	18.45	18.73	18.58	18.40	18.46	20.10
5	256QAM	12	0	18.74	19.05	18.91	18.74	18.74	20.10
5	256QAM	12	7	18.72	19.02	18.87	18.70	18.71	20.10
5	256QAM	12	13	18.75	19.05	18.90	18.73	18.75	20.10
5	256QAM	25	0	18.68	18.98	18.83	18.61	18.68	20.10

【LTE Band 48 _FCC_ Part 96
(3550~3700MHz)_Ant 6 _Index 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	23.75	23.90	23.84	23.75	23.66	25.10
20	QPSK	1	49	23.50	23.77	23.60	23.58	23.64	25.10
20	QPSK	1	99	23.57	23.77	23.61	23.45	23.65	25.10
20	QPSK	50	0	22.26	22.47	22.32	22.18	22.16	24.10
20	QPSK	50	24	22.24	22.44	22.29	22.13	22.12	24.10
20	QPSK	50	50	22.23	22.45	22.27	22.11	22.15	24.10
20	QPSK	100	0	22.24	22.42	22.28	22.13	22.12	24.10
20	16QAM	1	0	22.62	22.92	22.81	22.62	22.54	24.10
20	16QAM	1	49	22.60	22.84	22.70	22.51	22.50	24.10
20	16QAM	1	99	22.66	22.85	22.69	22.51	22.59	24.10
20	16QAM	50	0	21.23	21.49	21.35	21.17	21.14	23.10
20	16QAM	50	24	21.24	21.48	21.33	21.15	21.16	23.10
20	16QAM	50	50	21.25	21.47	21.29	21.15	21.17	23.10
20	16QAM	100	0	21.22	21.46	21.31	21.15	21.14	23.10
20	64QAM	1	0	21.26	21.67	21.55	21.39	21.27	23.10
20	64QAM	1	49	21.45	21.70	21.55	21.34	21.36	23.10
20	64QAM	1	99	21.45	21.60	21.43	21.28	21.36	23.10
20	64QAM	50	0	20.27	20.49	20.40	20.22	20.14	22.10
20	64QAM	50	24	20.25	20.51	20.37	20.17	20.22	22.10

20	64QAM	50	50	20.27	20.49	20.34	20.15	20.16	22.10
20	64QAM	100	0	20.27	20.49	20.34	20.17	20.15	22.10
20	256QAM	1	0	18.33	18.41	18.27	18.25	18.42	20.10
20	256QAM	1	49	18.38	18.64	18.51	18.32	18.31	20.10
20	256QAM	1	99	18.38	18.58	18.31	18.23	18.32	20.10
20	256QAM	50	0	18.57	18.83	18.71	18.55	18.49	20.10
20	256QAM	50	24	18.58	18.82	18.68	18.50	18.52	20.10
20	256QAM	50	50	18.60	18.82	18.66	18.48	18.50	20.10
20	256QAM	100	0	18.54	18.79	18.55	18.46	18.45	20.10
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	23.70	23.85	23.86	23.71	23.64	25.10
15	QPSK	1	37	23.63	23.84	23.74	23.55	23.53	25.10
15	QPSK	1	74	23.72	23.73	23.77	23.62	23.68	25.10
15	QPSK	36	0	22.22	22.61	22.36	22.33	22.27	24.10
15	QPSK	36	20	22.23	22.48	22.34	22.17	22.25	24.10
15	QPSK	36	39	22.24	22.45	22.31	22.16	22.16	24.10
15	QPSK	75	0	22.23	22.47	22.35	22.19	22.15	24.10
15	16QAM	1	0	22.61	22.91	22.81	22.61	22.53	24.10
15	16QAM	1	37	22.45	22.74	22.57	22.40	22.38	24.10
15	16QAM	1	74	22.65	22.89	22.71	22.56	22.60	24.10
15	16QAM	36	0	21.18	21.46	21.32	21.15	21.10	23.10
15	16QAM	36	20	21.19	21.45	21.30	21.12	21.11	23.10
15	16QAM	36	39	21.20	21.44	21.31	21.11	21.16	23.10
15	16QAM	75	0	21.23	21.48	21.37	21.20	21.19	23.10
15	64QAM	1	0	21.36	21.64	21.54	21.36	21.31	23.10
15	64QAM	1	37	21.35	21.62	21.48	21.29	21.28	23.10
15	64QAM	1	74	21.40	21.62	21.45	21.28	21.34	23.10
15	64QAM	36	0	20.20	20.48	20.34	20.16	20.12	22.10
15	64QAM	36	20	20.20	20.47	20.31	20.14	20.13	22.10
15	64QAM	36	39	20.21	20.45	20.30	20.13	20.15	22.10
15	64QAM	75	0	20.22	20.48	20.32	20.17	20.14	22.10
15	256QAM	1	0	18.53	18.84	18.70	18.49	18.45	20.10
15	256QAM	1	37	18.44	18.71	18.57	18.40	18.39	20.10
15	256QAM	1	74	18.57	18.79	18.62	18.45	18.50	20.10
15	256QAM	36	0	18.70	19.01	18.88	18.70	18.65	20.10
15	256QAM	36	20	18.71	19.00	18.85	18.62	18.66	20.10
15	256QAM	36	39	18.73	18.97	18.85	18.69	18.70	20.10
15	256QAM	75	0	18.73	18.97	18.86	18.70	18.68	20.10
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	23.60	23.87	23.80	23.63	23.59	25.10
10	QPSK	1	25	23.53	23.83	23.68	23.50	23.51	25.10
10	QPSK	1	49	23.54	23.80	23.78	23.62	23.65	25.10
10	QPSK	25	0	22.17	22.43	22.30	22.23	22.23	24.10
10	QPSK	25	12	22.17	22.42	22.29	22.14	22.16	24.10
10	QPSK	25	25	22.20	22.44	22.29	22.16	22.15	24.10
10	QPSK	50	0	22.19	22.45	22.28	22.12	22.12	24.10
10	16QAM	1	0	22.62	22.93	22.78	22.61	22.56	24.10
10	16QAM	1	25	22.84	23.11	22.97	22.80	22.78	24.10
10	16QAM	1	49	22.57	22.88	22.70	22.53	22.58	24.10
10	16QAM	25	0	21.15	21.47	21.30	21.14	21.11	23.10
10	16QAM	25	12	21.15	21.44	21.28	21.11	21.11	23.10
10	16QAM	25	25	21.16	21.44	21.28	21.14	21.13	23.10
10	16QAM	50	0	21.19	21.47	21.32	21.18	21.17	23.10
10	64QAM	1	0	21.35	21.66	21.52	21.34	21.29	23.10
10	64QAM	1	25	21.30	21.69	21.39	21.27	21.21	23.10
10	64QAM	1	49	21.37	21.62	21.45	21.29	21.33	23.10
10	64QAM	25	0	20.12	20.53	20.39	20.20	20.18	22.10
10	64QAM	25	12	20.20	20.51	20.35	20.18	20.17	22.10
10	64QAM	25	25	20.21	20.50	20.34	20.16	20.18	22.10
10	64QAM	50	0	20.21	20.38	20.32	20.17	20.17	22.10
10	256QAM	1	0	18.49	18.79	18.65	18.43	18.43	20.10
10	256QAM	1	25	18.55	18.83	18.68	18.49	18.49	20.10
10	256QAM	1	49	18.43	18.80	18.64	18.47	18.51	20.10
10	256QAM	25	0	18.70	19.02	18.87	18.70	18.66	20.10
10	256QAM	25	12	18.67	18.99	18.84	18.58	18.65	20.10
10	256QAM	25	25	18.69	19.00	18.85	18.67	18.68	20.10
10	256QAM	50	0	18.66	19.05	18.91	18.74	18.74	20.10
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	23.44	23.84	23.76	23.64	23.63	25.10
5	QPSK	1	12	23.42	23.76	23.58	23.42	23.41	25.10
5	QPSK	1	24	23.49	23.75	23.73	23.46	23.48	25.10
5	QPSK	12	0	22.19	22.47	22.47	22.19	22.18	24.10

5	QPSK	12	7	22.22	22.49	22.49	22.20	22.22	24.10
5	QPSK	12	13	22.20	22.47	22.33	22.18	22.20	24.10
5	QPSK	25	0	22.23	22.50	22.37	22.21	22.22	24.10
5	16QAM	1	0	22.48	22.82	22.70	22.51	22.51	24.10
5	16QAM	1	12	22.36	22.69	22.54	22.36	22.36	24.10
5	16QAM	1	24	22.55	22.84	22.72	22.52	22.57	24.10
5	16QAM	12	0	21.17	21.45	21.34	21.14	21.14	23.10
5	16QAM	12	7	21.13	21.42	21.29	21.10	21.11	23.10
5	16QAM	12	13	21.16	21.45	21.32	21.13	21.18	23.10
5	16QAM	25	0	21.20	21.48	21.37	21.18	21.22	23.10
5	64QAM	1	0	21.30	21.60	21.48	21.29	21.29	23.10
5	64QAM	1	12	21.30	21.60	21.46	21.29	21.34	23.10
5	64QAM	1	24	21.32	21.61	21.45	21.28	21.31	23.10
5	64QAM	12	0	20.17	20.51	20.36	20.20	20.19	22.10
5	64QAM	12	7	20.16	20.48	20.33	20.15	20.17	22.10
5	64QAM	12	13	20.18	20.49	20.34	20.17	20.18	22.10
5	64QAM	25	0	20.16	20.48	20.35	20.16	20.10	22.10
5	256QAM	1	0	18.48	18.77	18.64	18.47	18.46	20.10
5	256QAM	1	12	18.41	18.69	18.57	18.39	18.41	20.10
5	256QAM	1	24	18.45	18.73	18.58	18.40	18.46	20.10
5	256QAM	12	0	18.74	19.05	18.91	18.74	18.74	20.10
5	256QAM	12	7	18.72	19.02	18.87	18.70	18.71	20.10
5	256QAM	12	13	18.75	19.05	18.90	18.73	18.75	20.10
5	256QAM	25	0	18.68	18.98	18.83	18.61	18.68	20.10

【LTE Band 48_FCC_Part 96
(3550~3700MHz)_Ant 6_Index 5】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	18.32	18.45	18.33	18.22	18.19	18.80
20	QPSK	1	49	18.25	18.42	18.32	18.07	18.15	18.80
20	QPSK	1	99	18.26	18.40	18.23	18.09	18.17	18.80
20	QPSK	50	0	18.28	18.43	18.28	18.18	18.16	18.80
20	QPSK	50	24	18.23	18.39	18.24	18.17	18.06	18.80
20	QPSK	50	50	18.25	18.37	18.22	18.15	18.14	18.80
20	QPSK	100	0	18.25	18.38	18.24	18.16	18.16	18.80
20	16QAM	1	0	18.23	18.40	18.31	18.21	18.07	18.80
20	16QAM	1	49	18.18	18.34	18.16	18.09	18.02	18.80
20	16QAM	1	99	18.26	18.32	18.17	18.11	18.13	18.80
20	16QAM	50	0	18.14	18.35	18.20	18.14	18.04	18.80
20	16QAM	50	24	18.16	18.32	18.18	18.10	18.05	18.80
20	16QAM	50	50	18.18	18.30	18.14	18.07	18.08	18.80
20	16QAM	100	0	18.15	18.31	18.16	18.08	18.05	18.80
20	64QAM	1	0	17.90	18.10	17.99	17.81	17.73	18.80
20	64QAM	1	49	17.95	18.11	17.95	17.85	17.76	18.80
20	64QAM	1	99	17.95	18.04	17.85	17.77	17.78	18.80
20	64QAM	50	0	18.24	18.43	18.28	18.08	18.07	18.80
20	64QAM	50	24	18.25	18.41	18.24	18.14	18.10	18.80
20	64QAM	50	50	18.28	18.39	18.22	18.12	18.13	18.80
20	64QAM	100	0	18.17	18.41	18.23	18.16	18.10	18.80
20	256QAM	1	0	18.04	18.26	18.12	18.03	17.88	18.80
20	256QAM	1	49	18.14	18.27	18.10	17.99	17.91	18.80
20	256QAM	1	99	18.12	18.18	18.03	17.95	17.97	18.80
20	256QAM	50	0	18.24	18.39	18.31	18.22	18.12	18.80
20	256QAM	50	24	18.27	18.41	18.29	18.20	18.15	18.80
20	256QAM	50	50	18.29	18.40	18.23	18.19	18.18	18.80
20	256QAM	100	0	18.23	18.37	18.21	18.15	18.10	18.80
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	18.28	18.43	18.25	18.20	18.13	18.80
15	QPSK	1	37	18.23	18.31	18.20	17.95	18.03	18.80
15	QPSK	1	74	18.16	18.39	18.14	17.98	18.09	18.80
15	QPSK	36	0	18.14	18.35	18.13	18.07	18.11	18.80
15	QPSK	36	20	18.17	18.37	18.17	18.13	17.94	18.80
15	QPSK	36	39	18.14	18.24	18.16	18.14	18.08	18.80
15	QPSK	75	0	18.11	18.27	18.16	18.06	18.06	18.80
15	16QAM	1	0	18.16	18.30	18.28	18.15	18.01	18.80
15	16QAM	1	37	18.15	18.32	18.09	17.98	17.99	18.80
15	16QAM	1	74	18.11	18.22	18.06	18.08	18.03	18.80
15	16QAM	36	0	18.02	18.31	18.15	18.00	17.95	18.80
15	16QAM	36	20	18.02	18.29	18.13	17.97	18.03	18.80
15	16QAM	36	39	18.16	18.25	18.12	17.99	17.96	18.80
15	16QAM	75	0	18.05	18.29	18.11	18.04	17.93	18.80

15	64QAM	1	0	17.81	18.08	17.85	17.75	17.69	18.80
15	64QAM	1	37	17.88	18.04	17.85	17.77	17.74	18.80
15	64QAM	1	74	17.88	17.91	17.75	17.70	17.71	18.80
15	64QAM	36	0	18.18	18.37	18.22	17.95	17.94	18.80
15	64QAM	36	20	18.14	18.30	18.19	18.13	18.07	18.80
15	64QAM	36	39	18.13	18.34	18.15	17.97	18.05	18.80
15	64QAM	75	0	18.12	18.37	18.13	18.08	18.02	18.80
15	256QAM	1	0	17.97	18.24	18.03	17.97	17.78	18.80
15	256QAM	1	37	18.08	18.12	18.08	17.93	17.84	18.80
15	256QAM	1	74	18.08	18.07	17.94	17.84	17.86	18.80
15	256QAM	36	0	18.12	18.24	18.17	18.09	18.02	18.80
15	256QAM	36	20	18.20	18.35	18.26	18.12	18.11	18.80
15	256QAM	36	39	18.19	18.31	18.09	18.13	18.07	18.80
15	256QAM	75	0	18.11	18.29	18.06	18.13	18.03	18.80
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	18.27	18.41	18.20	18.13	18.16	18.80
10	QPSK	1	25	18.23	18.32	18.21	17.98	18.13	18.80
10	QPSK	1	49	18.20	18.31	18.08	18.08	18.06	18.80
10	QPSK	25	0	18.20	18.29	18.20	18.06	18.11	18.80
10	QPSK	25	12	18.09	18.24	18.19	18.06	18.03	18.80
10	QPSK	25	25	18.12	18.23	18.16	18.14	18.00	18.80
10	QPSK	50	0	18.22	18.27	18.20	18.02	18.03	18.80
10	16QAM	1	0	18.08	18.27	18.22	18.16	17.94	18.80
10	16QAM	1	25	18.12	18.26	18.03	17.95	17.97	18.80
10	16QAM	1	49	18.20	18.23	18.05	18.03	18.00	18.80
10	16QAM	25	0	18.11	18.21	18.15	18.02	18.02	18.80
10	16QAM	25	12	18.04	18.25	18.14	17.98	18.04	18.80
10	16QAM	25	25	18.14	18.20	18.11	17.98	17.95	18.80
10	16QAM	50	0	18.13	18.19	18.03	17.93	17.92	18.80
10	64QAM	1	0	17.85	17.96	17.92	17.68	17.64	18.80
10	64QAM	1	25	17.81	17.99	17.90	17.80	17.72	18.80
10	64QAM	1	49	17.91	18.01	17.79	17.64	17.66	18.80
10	64QAM	25	0	18.13	18.32	18.26	18.00	17.98	18.80
10	64QAM	25	12	18.11	18.28	18.20	18.03	18.03	18.80
10	64QAM	25	25	18.18	18.36	18.20	18.06	17.99	18.80
10	64QAM	50	0	18.07	18.35	18.19	18.06	18.02	18.80
10	256QAM	1	0	18.01	18.15	18.10	17.91	17.84	18.80
10	256QAM	1	25	18.04	18.25	17.98	17.95	17.82	18.80
10	256QAM	1	49	18.04	18.08	17.89	17.93	17.83	18.80
10	256QAM	25	0	18.18	18.30	18.30	18.14	17.98	18.80
10	256QAM	25	12	18.16	18.32	18.15	18.12	18.10	18.80
10	256QAM	25	25	18.21	18.26	18.18	18.13	18.04	18.80
10	256QAM	50	0	18.19	18.28	18.10	18.01	17.99	18.80
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	18.25	18.33	18.28	18.14	18.13	18.80
5	QPSK	1	12	18.14	18.36	18.28	17.97	18.08	18.80
5	QPSK	1	24	18.15	18.30	18.13	17.99	18.15	18.80
5	QPSK	12	0	18.22	18.36	18.18	18.15	18.11	18.80
5	QPSK	12	7	18.17	18.29	18.14	18.15	17.95	18.80
5	QPSK	12	13	18.10	18.26	18.09	18.08	18.11	18.80
5	QPSK	25	0	18.14	18.26	18.13	18.04	18.11	18.80
5	16QAM	1	0	18.21	18.30	18.25	18.11	18.01	18.80
5	16QAM	1	12	18.09	18.28	18.06	18.07	17.97	18.80
5	16QAM	1	24	18.25	18.31	18.03	18.03	18.04	18.80
5	16QAM	12	0	18.08	18.28	18.12	18.02	18.02	18.80
5	16QAM	12	7	18.11	18.18	18.13	18.05	18.02	18.80
5	16QAM	12	13	18.08	18.23	18.07	18.01	18.03	18.80
5	16QAM	25	0	18.00	18.17	18.12	18.02	18.00	18.80
5	64QAM	1	0	17.89	17.99	17.91	17.78	17.64	18.80
5	64QAM	1	12	17.88	18.07	17.94	17.78	17.72	18.80
5	64QAM	1	24	17.93	17.90	17.83	17.67	17.67	18.80
5	64QAM	12	0	18.11	18.40	18.25	18.04	18.00	18.80
5	64QAM	12	7	18.21	18.38	18.21	18.00	17.97	18.80
5	64QAM	12	13	18.23	18.32	18.09	18.11	18.00	18.80
5	64QAM	25	0	18.02	18.29	18.08	18.04	17.95	18.80
5	256QAM	1	0	18.01	18.24	18.00	17.97	17.74	18.80
5	256QAM	1	12	18.10	18.21	17.98	17.88	17.85	18.80
5	256QAM	1	24	18.01	18.06	17.89	17.89	17.85	18.80
5	256QAM	12	0	18.20	18.35	18.21	18.15	18.01	18.80
5	256QAM	12	7	18.23	18.40	18.24	18.11	18.08	18.80
5	256QAM	12	13	18.26	18.34	18.13	18.17	18.14	18.80
5	256QAM	25	0	18.21	18.33	18.10	18.06	17.98	18.80



FCC SAR TEST REPORT

Report No. :FA550731B

【LTE Band 48__FCC_Part 96
(3550~3700MHz)_Ant 6_Index 4/6】

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	17.40
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	17.31	17.40	17.30	17.22	17.15	17.40
20	QPSK	1	49	17.19	17.38	17.24	17.06	17.12	17.40
20	QPSK	1	99	17.20	17.36	17.20	17.04	17.13	17.40
20	QPSK	50	0	17.25	17.36	17.22	17.14	17.10	17.40
20	QPSK	50	24	17.17	17.33	17.16	17.03	17.08	17.40
20	QPSK	50	50	17.23	17.31	17.15	17.07	16.98	17.40
20	QPSK	100	0	17.22	17.31	17.21	17.10	17.08	17.40
20	16QAM	1	0	17.23	17.31	17.21	17.15	16.98	17.40
20	16QAM	1	49	17.15	17.24	17.12	17.03	16.96	17.40
20	16QAM	1	99	17.19	17.29	17.14	17.08	17.05	17.40
20	16QAM	50	0	17.10	17.32	17.18	17.04	17.00	17.40
20	16QAM	50	24	17.12	17.28	17.11	17.05	17.03	17.40
20	16QAM	50	50	17.10	17.28	17.09	17.05	17.07	17.40
20	16QAM	100	0	17.08	17.30	17.07	17.05	16.96	17.40
20	64QAM	1	0	16.85	17.06	16.93	16.75	16.63	17.40
20	64QAM	1	49	16.86	17.03	16.86	16.75	16.72	17.40
20	64QAM	1	99	16.86	16.97	16.78	16.70	16.77	17.40
20	64QAM	50	0	17.23	17.38	17.20	16.99	17.01	17.40
20	64QAM	50	24	17.15	17.38	17.15	17.08	17.06	17.40
20	64QAM	50	50	17.20	17.34	17.16	17.04	17.06	17.40
20	64QAM	100	0	17.11	17.34	17.19	17.14	17.08	17.40
20	256QAM	1	0	17.02	17.18	17.11	17.00	16.81	17.40
20	256QAM	1	49	17.11	17.27	17.02	16.96	16.85	17.40
20	256QAM	1	99	17.11	17.08	16.97	16.92	16.97	17.40
20	256QAM	50	0	17.14	17.29	17.23	17.20	17.12	17.40
20	256QAM	50	24	17.19	17.33	17.22	17.18	17.15	17.40
20	256QAM	50	50	17.19	17.35	17.20	17.14	17.17	17.40
20	256QAM	100	0	17.20	17.36	17.20	17.13	17.07	17.40
Channel				55315	55820	55990	56160	56665	17.40
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	17.21	17.34	17.20	17.10	16.99	17.40
15	QPSK	1	37	17.17	17.29	17.15	16.93	17.10	17.40
15	QPSK	1	74	17.18	17.24	17.06	16.99	17.05	17.40
15	QPSK	36	0	17.16	17.31	17.09	17.12	17.04	17.40
15	QPSK	36	20	17.14	17.23	17.13	17.04	16.86	17.40
15	QPSK	36	39	17.22	17.28	17.05	16.96	17.06	17.40
15	QPSK	75	0	17.18	17.16	17.07	17.06	17.06	17.40
15	16QAM	1	0	17.10	17.21	17.06	17.04	16.85	17.40
15	16QAM	1	37	17.04	17.18	16.99	16.98	16.89	17.40
15	16QAM	1	74	17.09	17.25	17.12	16.94	16.91	17.40
15	16QAM	36	0	16.98	17.25	17.03	16.93	16.88	17.40
15	16QAM	36	20	17.01	17.25	17.01	16.99	16.97	17.40
15	16QAM	36	39	17.07	17.21	16.97	16.97	16.97	17.40
15	16QAM	75	0	17.05	17.27	17.06	16.95	16.82	17.40
15	64QAM	1	0	16.75	16.92	16.81	16.70	16.58	17.40
15	64QAM	1	37	16.83	17.01	16.78	16.60	16.65	17.40
15	64QAM	1	74	16.75	16.84	16.75	16.58	16.71	17.40
15	64QAM	36	0	17.13	17.32	17.10	16.95	16.86	17.40
15	64QAM	36	20	17.02	17.26	17.14	17.05	16.98	17.40
15	64QAM	36	39	17.12	17.32	17.12	17.03	16.94	17.40
15	64QAM	75	0	16.97	17.31	17.15	17.06	17.07	17.40
15	256QAM	1	0	17.00	17.06	17.01	16.92	16.71	17.40
15	256QAM	1	37	16.99	17.24	16.92	16.86	16.81	17.40
15	256QAM	1	74	17.05	16.95	16.91	16.79	16.94	17.40
15	256QAM	36	0	17.04	17.20	17.17	17.07	17.01	17.40
15	256QAM	36	20	17.10	17.23	17.10	17.08	17.05	17.40
15	256QAM	36	39	17.17	17.33	17.09	17.01	17.13	17.40
15	256QAM	75	0	17.15	17.21	17.07	17.05	17.03	17.40
Channel				55290	55815	55990	56165	56690	17.40
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	17.26	17.26	17.21	17.14	17.10	17.40
10	QPSK	1	25	17.12	17.34	17.22	17.01	16.99	17.40
10	QPSK	1	49	17.14	17.29	17.15	16.99	17.05	17.40
10	QPSK	25	0	17.15	17.28	17.16	17.09	17.03	17.40
10	QPSK	25	12	17.03	17.24	17.09	17.07	16.92	17.40
10	QPSK	25	25	17.19	17.28	17.08	16.96	17.01	17.40
10	QPSK	50	0	17.07	17.30	17.16	16.96	16.96	17.40
10	16QAM	1	0	17.20	17.30	17.16	17.11	16.92	17.40
10	16QAM	1	25	17.08	17.19	16.97	16.98	16.91	17.40

10	16QAM	1	49	17.16	17.21	17.00	17.00	17.00	17.40
10	16QAM	25	0	17.07	17.19	17.06	16.91	16.99	17.40
10	16QAM	25	12	16.97	17.14	17.04	16.92	16.94	17.40
10	16QAM	25	25	17.00	17.16	17.08	17.03	16.95	17.40
10	16QAM	50	0	17.05	17.18	16.94	16.96	16.83	17.40
10	64QAM	1	0	16.83	17.00	16.84	16.68	16.52	17.40
10	64QAM	1	25	16.77	17.01	16.83	16.65	16.69	17.40
10	64QAM	1	49	16.75	16.94	16.66	16.61	16.70	17.40
10	64QAM	25	0	17.11	17.32	17.11	16.86	16.86	17.40
10	64QAM	25	12	17.13	17.24	17.08	16.98	17.02	17.40
10	64QAM	25	25	17.08	17.25	17.10	16.95	16.97	17.40
10	64QAM	50	0	16.98	17.26	17.09	17.04	17.01	17.40
10	256QAM	1	0	16.98	17.03	17.06	16.87	16.69	17.40
10	256QAM	1	25	16.99	17.25	16.88	16.92	16.81	17.40
10	256QAM	1	49	17.09	17.03	16.90	16.90	16.88	17.40
10	256QAM	25	0	17.02	17.16	17.09	17.11	17.06	17.40
10	256QAM	25	12	17.12	17.20	17.10	17.12	17.09	17.40
10	256QAM	25	25	17.06	17.29	17.11	17.01	17.15	17.40
10	256QAM	50	0	17.10	17.23	17.13	17.11	17.06	17.40
Channel				55265	55810	55990	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	17.30	17.28	17.15	17.08	17.10	17.40
5	QPSK	1	12	17.05	17.24	17.18	16.96	17.09	17.40
5	QPSK	1	24	17.08	17.27	17.10	16.91	17.08	17.40
5	QPSK	12	0	17.11	17.20	17.10	17.11	16.96	17.40
5	QPSK	12	7	17.15	17.32	17.10	17.07	16.94	17.40
5	QPSK	12	13	17.21	17.26	17.14	16.95	16.98	17.40
5	QPSK	25	0	17.15	17.22	17.19	17.03	16.98	17.40
5	16QAM	1	0	17.21	17.18	17.19	17.08	16.94	17.40
5	16QAM	1	12	17.06	17.19	17.02	16.91	16.84	17.40
5	16QAM	1	24	17.15	17.26	17.05	16.98	16.92	17.40
5	16QAM	12	0	17.08	17.26	17.10	16.90	16.90	17.40
5	16QAM	12	7	17.09	17.21	17.01	16.94	16.94	17.40
5	16QAM	12	13	17.01	17.22	17.04	16.91	16.94	17.40
5	16QAM	25	0	17.03	17.26	16.94	17.03	16.90	17.40
5	64QAM	1	0	16.81	17.03	16.79	16.62	16.56	17.40
5	64QAM	1	12	16.72	16.89	16.75	16.63	16.59	17.40
5	64QAM	1	24	16.83	16.88	16.65	16.55	16.71	17.40
5	64QAM	12	0	17.13	17.35	17.15	16.93	17.00	17.40
5	64QAM	12	7	17.00	17.37	17.05	17.04	17.01	17.40
5	64QAM	12	13	17.13	17.25	17.04	16.93	16.99	17.40
5	64QAM	25	0	17.09	17.29	17.07	17.00	16.93	17.40
5	256QAM	1	0	16.88	17.12	17.01	16.90	16.71	17.40
5	256QAM	1	12	17.09	17.22	16.93	16.84	16.70	17.40
5	256QAM	1	24	17.05	16.96	16.85	16.81	16.95	17.40
5	256QAM	12	0	17.10	17.21	17.16	17.12	17.07	17.40
5	256QAM	12	7	17.06	17.23	17.20	17.05	17.12	17.40
5	256QAM	12	13	17.11	17.33	17.18	17.08	17.11	17.40
5	256QAM	25	0	17.12	17.22	17.17	16.99	17.02	17.40

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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.96	23.82	23.88	24.70
20	QPSK	1	49	23.74	23.67	23.62	24.70
20	QPSK	1	99	23.69	23.72	23.56	24.70
20	QPSK	50	0	23.12	23.09	23.07	23.70
20	QPSK	50	24	22.99	23.03	22.97	23.70
20	QPSK	50	50	23.02	23.00	22.95	23.70
20	QPSK	100	0	23.06	23.05	22.96	23.70
20	16QAM	1	0	23.27	23.13	22.72	23.70
20	16QAM	1	49	23.26	23.06	23.67	23.70
20	16QAM	1	99	23.34	23.09	22.88	23.70
20	16QAM	50	0	22.09	22.05	22.00	22.70
20	16QAM	50	24	22.05	21.98	22.07	22.70
20	16QAM	50	50	22.10	21.94	22.00	22.70
20	16QAM	100	0	22.05	22.01	21.98	22.70
20	64QAM	1	0	22.52	22.27	22.18	22.70
20	64QAM	1	49	21.93	22.15	21.90	22.70
20	64QAM	1	99	21.97	22.16	21.90	22.70
20	64QAM	50	0	20.98	20.94	20.95	21.70
20	64QAM	50	24	20.97	21.05	20.88	21.70
20	64QAM	50	50	20.90	20.98	20.94	21.70



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20	64QAM	100	0	21.08	20.95	20.97	21.70
20	256QAM	1	0	19.24	19.22	19.06	19.70
20	256QAM	1	49	19.07	18.96	18.98	19.70
20	256QAM	1	99	19.19	19.15	19.23	19.70
20	256QAM	50	0	19.16	19.14	19.06	19.70
20	256QAM	50	24	19.16	19.11	19.08	19.70
20	256QAM	50	50	19.12	19.09	19.02	19.70
20	256QAM	100	0	19.17	19.12	19.09	19.70
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	23.83	23.85	23.81	24.70
15	QPSK	1	37	23.81	23.85	23.74	24.70
15	QPSK	1	74	23.82	23.79	23.74	24.70
15	QPSK	36	0	23.22	23.14	23.11	23.70
15	QPSK	36	20	23.16	23.11	23.07	23.70
15	QPSK	36	39	23.14	23.12	23.09	23.70
15	QPSK	75	0	23.18	23.12	23.14	23.70
15	16QAM	1	0	23.54	23.43	23.38	23.70
15	16QAM	1	37	23.63	23.61	23.45	23.70
15	16QAM	1	74	23.52	23.40	23.35	23.70
15	16QAM	36	0	22.23	22.10	22.09	22.70
15	16QAM	36	20	22.18	22.10	22.08	22.70
15	16QAM	36	39	22.18	22.15	22.09	22.70
15	16QAM	75	0	22.20	22.14	22.14	22.70
15	64QAM	1	0	22.42	22.31	22.34	22.70
15	64QAM	1	37	22.43	22.41	22.33	22.70
15	64QAM	1	74	22.40	22.26	22.29	22.70
15	64QAM	36	0	21.22	21.13	21.13	21.70
15	64QAM	36	20	21.16	21.12	21.12	21.70
15	64QAM	36	39	21.19	21.11	21.07	21.70
15	64QAM	75	0	21.15	21.10	21.06	21.70
15	256QAM	1	0	19.42	19.24	19.26	19.70
15	256QAM	1	37	19.24	19.10	19.19	19.70
15	256QAM	1	74	19.29	19.28	19.32	19.70
15	256QAM	36	0	19.19	19.10	19.10	19.70
15	256QAM	36	20	19.19	19.12	19.09	19.70
15	256QAM	36	39	19.10	19.05	19.09	19.70
15	256QAM	75	0	19.14	19.07	19.09	19.70
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.82	23.82	23.82	24.70
10	QPSK	1	25	23.81	23.78	23.78	24.70
10	QPSK	1	49	23.83	23.79	23.76	24.70
10	QPSK	25	0	23.11	23.15	23.11	23.70
10	QPSK	25	12	23.11	23.13	23.10	23.70
10	QPSK	25	25	23.09	23.12	23.05	23.70
10	QPSK	50	0	23.11	23.10	23.12	23.70
10	16QAM	1	0	23.42	23.32	23.38	23.70
10	16QAM	1	25	23.36	23.36	23.29	23.70
10	16QAM	1	49	23.42	23.41	23.27	23.70
10	16QAM	25	0	22.12	22.12	22.13	22.70
10	16QAM	25	12	22.15	22.13	22.12	22.70
10	16QAM	25	25	22.12	22.08	22.13	22.70
10	16QAM	50	0	22.16	22.12	22.13	22.70
10	64QAM	1	0	22.42	22.23	22.24	22.70
10	64QAM	1	25	22.38	22.22	22.22	22.70
10	64QAM	1	49	22.27	22.26	22.32	22.70
10	64QAM	25	0	21.14	21.09	21.17	21.70
10	64QAM	25	12	21.09	21.10	21.16	21.70
10	64QAM	25	25	21.09	21.09	21.14	21.70
10	64QAM	50	0	21.12	21.11	21.09	21.70
10	256QAM	1	0	19.35	19.32	19.30	19.70
10	256QAM	1	25	19.15	19.14	19.17	19.70
10	256QAM	1	49	19.19	19.19	19.21	19.70
10	256QAM	25	0	19.10	19.12	19.12	19.70
10	256QAM	25	12	19.09	19.14	19.15	19.70
10	256QAM	25	25	19.10	19.08	19.14	19.70
10	256QAM	50	0	19.05	19.11	19.08	19.70
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.88	23.88	23.79	24.70
5	QPSK	1	12	23.83	23.75	23.77	24.70
5	QPSK	1	24	23.87	23.81	23.83	24.70
5	QPSK	12	0	23.14	23.12	23.14	23.70
5	QPSK	12	7	23.10	23.08	23.09	23.70
5	QPSK	12	13	23.15	23.09	23.11	23.70
5	QPSK	25	0	23.09	23.08	23.10	23.70
5	16QAM	1	0	23.42	23.40	23.41	23.70



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5	16QAM	1	12	23.56	23.34	23.51	23.70
5	16QAM	1	24	23.46	23.34	23.36	23.70
5	16QAM	12	0	22.14	22.04	22.17	22.70
5	16QAM	12	7	22.19	22.07	22.20	22.70
5	16QAM	12	13	22.08	22.06	22.10	22.70
5	16QAM	25	0	22.13	22.06	22.16	22.70
5	64QAM	1	0	22.27	22.26	22.30	22.70
5	64QAM	1	12	22.38	22.31	22.45	22.70
5	64QAM	1	24	22.39	22.26	22.25	22.70
5	64QAM	12	0	21.20	21.10	21.22	21.70
5	64QAM	12	7	21.15	21.12	21.24	21.70
5	64QAM	12	13	21.14	21.15	21.19	21.70
5	64QAM	25	0	21.12	21.07	21.21	21.70
5	256QAM	1	0	19.29	19.09	19.31	19.70
5	256QAM	1	12	19.16	19.09	19.26	19.70
5	256QAM	1	24	19.28	19.29	19.33	19.70
5	256QAM	12	0	19.11	19.08	19.18	19.70
5	256QAM	12	7	19.13	19.13	19.15	19.70
5	256QAM	12	13	19.12	19.09	19.18	19.70
5	256QAM	25	0	19.10	19.08	19.15	19.70
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.95	23.88	23.95	24.70
3	QPSK	1	8	23.75	23.79	23.87	24.70
3	QPSK	1	14	23.75	23.68	23.91	24.70
3	QPSK	8	0	23.14	23.09	23.15	23.70
3	QPSK	8	4	23.03	22.98	23.05	23.70
3	QPSK	8	7	23.11	23.10	23.13	23.70
3	QPSK	15	0	23.08	23.13	23.20	23.70
3	16QAM	1	0	23.48	23.46	23.53	23.70
3	16QAM	1	8	23.43	23.33	23.41	23.70
3	16QAM	1	14	23.48	23.40	23.53	23.70
3	16QAM	8	0	22.18	22.15	22.22	22.70
3	16QAM	8	4	22.17	22.08	22.19	22.70
3	16QAM	8	7	22.16	22.07	22.16	22.70
3	16QAM	15	0	22.12	22.17	22.24	22.70
3	64QAM	1	0	22.34	22.26	22.48	22.70
3	64QAM	1	8	22.19	22.17	22.30	22.70
3	64QAM	1	14	22.20	22.17	22.28	22.70
3	64QAM	8	0	21.14	21.05	21.16	21.70
3	64QAM	8	4	21.17	21.11	21.17	21.70
3	64QAM	8	7	21.16	21.16	21.21	21.70
3	64QAM	15	0	21.17	21.13	21.23	21.70
3	256QAM	1	0	19.30	19.33	19.46	19.70
3	256QAM	1	8	19.15	19.19	19.32	19.70
3	256QAM	1	14	19.28	19.25	19.37	19.70
3	256QAM	8	0	19.14	19.12	19.22	19.70
3	256QAM	8	4	19.08	19.07	19.14	19.70
3	256QAM	8	7	19.18	19.14	19.21	19.70
3	256QAM	15	0	19.15	19.12	19.22	19.70
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.86	23.74	23.88	24.70
1.4	QPSK	1	3	23.76	23.71	23.74	24.70
1.4	QPSK	1	5	23.77	23.73	23.82	24.70
1.4	QPSK	3	0	23.76	23.77	23.78	24.70
1.4	QPSK	3	1	23.63	23.61	23.66	24.70
1.4	QPSK	3	3	23.73	23.73	23.77	24.70
1.4	QPSK	6	0	23.01	23.05	23.07	23.70
1.4	16QAM	1	0	23.54	23.27	23.44	23.70
1.4	16QAM	1	3	23.34	23.31	23.40	23.70
1.4	16QAM	1	5	23.38	23.27	23.45	23.70
1.4	16QAM	3	0	22.98	22.93	23.01	23.70
1.4	16QAM	3	1	23.06	23.03	23.05	23.70
1.4	16QAM	3	3	22.96	22.91	23.06	23.70
1.4	16QAM	6	0	22.09	22.10	22.14	22.70
1.4	64QAM	1	0	22.35	22.17	22.25	22.70
1.4	64QAM	1	3	22.33	22.20	22.31	22.70
1.4	64QAM	1	5	22.30	22.22	22.33	22.70
1.4	64QAM	3	0	22.13	22.05	22.14	22.70
1.4	64QAM	3	1	22.13	22.04	22.13	22.70
1.4	64QAM	3	3	22.14	22.12	22.25	22.70
1.4	64QAM	6	0	21.12	21.03	21.12	21.70
1.4	256QAM	1	0	19.12	19.20	19.22	19.70
1.4	256QAM	1	3	19.16	19.04	19.21	19.70
1.4	256QAM	1	5	19.18	19.26	19.25	19.70
1.4	256QAM	3	0	19.20	19.19	19.28	19.70
1.4	256QAM	3	1	19.09	19.12	19.17	19.70

1.4	256QAM	3	3	19.08	19.08	19.20	19.70
1.4	256QAM	6	0	19.10	19.06	19.01	19.70

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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.96	23.82	23.88	24.70
20	QPSK	1	49	23.74	23.67	23.62	24.70
20	QPSK	1	99	23.69	23.72	23.56	24.70
20	QPSK	50	0	23.12	23.09	23.07	23.70
20	QPSK	50	24	22.99	23.03	22.97	23.70
20	QPSK	50	50	23.02	23.00	22.95	23.70
20	QPSK	100	0	23.06	23.05	22.96	23.70
20	16QAM	1	0	23.27	23.13	22.72	23.70
20	16QAM	1	49	23.26	23.06	23.67	23.70
20	16QAM	1	99	23.34	23.09	22.88	23.70
20	16QAM	50	0	22.09	22.05	22.00	22.70
20	16QAM	50	24	22.05	21.98	22.07	22.70
20	16QAM	50	50	22.10	21.94	22.00	22.70
20	16QAM	100	0	22.05	22.01	21.98	22.70
20	64QAM	1	0	22.52	22.27	22.18	22.70
20	64QAM	1	49	21.93	22.15	21.90	22.70
20	64QAM	1	99	21.97	22.16	21.90	22.70
20	64QAM	50	0	20.98	20.94	20.95	21.70
20	64QAM	50	24	20.97	21.05	20.88	21.70
20	64QAM	50	50	20.90	20.98	20.94	21.70
20	64QAM	100	0	21.08	20.95	20.97	21.70
20	256QAM	1	0	19.24	19.22	19.06	19.70
20	256QAM	1	49	19.07	18.96	18.98	19.70
20	256QAM	1	99	19.19	19.15	19.23	19.70
20	256QAM	50	0	19.16	19.14	19.06	19.70
20	256QAM	50	24	19.16	19.11	19.08	19.70
20	256QAM	50	50	19.12	19.09	19.02	19.70
20	256QAM	100	0	19.17	19.12	19.09	19.70
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.83	23.85	23.81	24.70
15	QPSK	1	37	23.81	23.85	23.74	24.70
15	QPSK	1	74	23.82	23.79	23.74	24.70
15	QPSK	36	0	23.22	23.14	23.11	23.70
15	QPSK	36	20	23.16	23.11	23.07	23.70
15	QPSK	36	39	23.14	23.12	23.09	23.70
15	QPSK	75	0	23.18	23.12	23.14	23.70
15	16QAM	1	0	23.54	23.43	23.38	23.70
15	16QAM	1	37	23.63	23.61	23.45	23.70
15	16QAM	1	74	23.52	23.40	23.35	23.70
15	16QAM	36	0	22.23	22.10	22.09	22.70
15	16QAM	36	20	22.18	22.10	22.08	22.70
15	16QAM	36	39	22.18	22.15	22.09	22.70
15	16QAM	75	0	22.20	22.14	22.14	22.70
15	64QAM	1	0	22.42	22.31	22.34	22.70
15	64QAM	1	37	22.43	22.41	22.33	22.70
15	64QAM	1	74	22.40	22.26	22.29	22.70
15	64QAM	36	0	21.22	21.13	21.13	21.70
15	64QAM	36	20	21.16	21.12	21.12	21.70
15	64QAM	36	39	21.19	21.11	21.07	21.70
15	64QAM	75	0	21.15	21.10	21.06	21.70
15	256QAM	1	0	19.42	19.24	19.26	19.70
15	256QAM	1	37	19.24	19.10	19.19	19.70
15	256QAM	1	74	19.29	19.28	19.32	19.70
15	256QAM	36	0	19.19	19.10	19.10	19.70
15	256QAM	36	20	19.19	19.12	19.09	19.70
15	256QAM	36	39	19.10	19.05	19.09	19.70
15	256QAM	75	0	19.14	19.07	19.09	19.70
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.82	23.82	23.82	24.70
10	QPSK	1	25	23.81	23.78	23.78	24.70
10	QPSK	1	49	23.83	23.79	23.76	24.70
10	QPSK	25	0	23.11	23.15	23.11	23.70
10	QPSK	25	12	23.11	23.13	23.10	23.70
10	QPSK	25	25	23.09	23.12	23.05	23.70
10	QPSK	50	0	23.11	23.10	23.12	23.70
10	16QAM	1	0	23.42	23.32	23.38	23.70



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10	16QAM	1	25	23.36	23.36	23.29	23.70
10	16QAM	1	49	23.42	23.41	23.27	23.70
10	16QAM	25	0	22.12	22.12	22.13	22.70
10	16QAM	25	12	22.15	22.13	22.12	22.70
10	16QAM	25	25	22.12	22.08	22.13	22.70
10	16QAM	50	0	22.16	22.12	22.13	22.70
10	64QAM	1	0	22.42	22.23	22.24	22.70
10	64QAM	1	25	22.38	22.22	22.22	22.70
10	64QAM	1	49	22.27	22.26	22.32	22.70
10	64QAM	25	0	21.14	21.09	21.17	21.70
10	64QAM	25	12	21.09	21.10	21.16	21.70
10	64QAM	25	25	21.09	21.09	21.14	21.70
10	64QAM	50	0	21.12	21.11	21.09	21.70
10	256QAM	1	0	19.35	19.32	19.30	19.70
10	256QAM	1	25	19.15	19.14	19.17	19.70
10	256QAM	1	49	19.19	19.19	19.21	19.70
10	256QAM	25	0	19.10	19.12	19.12	19.70
10	256QAM	25	12	19.09	19.14	19.15	19.70
10	256QAM	25	25	19.10	19.08	19.14	19.70
10	256QAM	50	0	19.05	19.11	19.08	19.70
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.88	23.88	23.79	24.70
5	QPSK	1	12	23.83	23.75	23.77	24.70
5	QPSK	1	24	23.87	23.81	23.83	24.70
5	QPSK	12	0	23.14	23.12	23.14	23.70
5	QPSK	12	7	23.10	23.08	23.09	23.70
5	QPSK	12	13	23.15	23.09	23.11	23.70
5	QPSK	25	0	23.09	23.08	23.10	23.70
5	16QAM	1	0	23.42	23.40	23.41	23.70
5	16QAM	1	12	23.56	23.34	23.51	23.70
5	16QAM	1	24	23.46	23.34	23.36	23.70
5	16QAM	12	0	22.14	22.04	22.17	22.70
5	16QAM	12	7	22.19	22.07	22.20	22.70
5	16QAM	12	13	22.08	22.06	22.10	22.70
5	16QAM	25	0	22.13	22.06	22.16	22.70
5	64QAM	1	0	22.27	22.26	22.30	22.70
5	64QAM	1	12	22.38	22.31	22.45	22.70
5	64QAM	1	24	22.39	22.26	22.25	22.70
5	64QAM	12	0	21.20	21.10	21.22	21.70
5	64QAM	12	7	21.15	21.12	21.24	21.70
5	64QAM	12	13	21.14	21.15	21.19	21.70
5	64QAM	25	0	21.12	21.07	21.21	21.70
5	256QAM	1	0	19.29	19.09	19.31	19.70
5	256QAM	1	12	19.16	19.09	19.26	19.70
5	256QAM	1	24	19.28	19.29	19.33	19.70
5	256QAM	12	0	19.11	19.08	19.18	19.70
5	256QAM	12	7	19.13	19.13	19.15	19.70
5	256QAM	12	13	19.12	19.09	19.18	19.70
5	256QAM	25	0	19.10	19.08	19.15	19.70
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.95	23.88	23.95	24.70
3	QPSK	1	8	23.75	23.79	23.87	24.70
3	QPSK	1	14	23.75	23.68	23.91	24.70
3	QPSK	8	0	23.14	23.09	23.15	23.70
3	QPSK	8	4	23.03	22.98	23.05	23.70
3	QPSK	8	7	23.11	23.10	23.13	23.70
3	QPSK	15	0	23.08	23.13	23.20	23.70
3	16QAM	1	0	23.48	23.46	23.53	23.70
3	16QAM	1	8	23.43	23.33	23.41	23.70
3	16QAM	1	14	23.48	23.40	23.53	23.70
3	16QAM	8	0	22.18	22.15	22.22	22.70
3	16QAM	8	4	22.17	22.08	22.19	22.70
3	16QAM	8	7	22.16	22.07	22.16	22.70
3	16QAM	15	0	22.12	22.17	22.24	22.70
3	64QAM	1	0	22.34	22.26	22.48	22.70
3	64QAM	1	8	22.19	22.17	22.30	22.70
3	64QAM	1	14	22.20	22.17	22.28	22.70
3	64QAM	8	0	21.14	21.05	21.16	21.70
3	64QAM	8	4	21.17	21.11	21.17	21.70
3	64QAM	8	7	21.16	21.16	21.21	21.70
3	64QAM	15	0	21.17	21.13	21.23	21.70
3	256QAM	1	0	19.30	19.33	19.46	19.70
3	256QAM	1	8	19.15	19.19	19.32	19.70
3	256QAM	1	14	19.28	19.25	19.37	19.70
3	256QAM	8	0	19.14	19.12	19.22	19.70
3	256QAM	8	4	19.08	19.07	19.14	19.70

3	256QAM	8	7	19.18	19.14	19.21	19.70
3	256QAM	15	0	19.15	19.12	19.22	19.70
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.86	23.74	23.88	24.70
1.4	QPSK	1	3	23.76	23.71	23.74	24.70
1.4	QPSK	1	5	23.77	23.73	23.82	24.70
1.4	QPSK	3	0	23.76	23.77	23.78	24.70
1.4	QPSK	3	1	23.63	23.61	23.66	24.70
1.4	QPSK	3	3	23.73	23.73	23.77	24.70
1.4	QPSK	6	0	23.01	23.05	23.07	23.70
1.4	16QAM	1	0	23.54	23.27	23.44	23.70
1.4	16QAM	1	3	23.34	23.31	23.40	23.70
1.4	16QAM	1	5	23.38	23.27	23.45	23.70
1.4	16QAM	3	0	22.98	22.93	23.01	23.70
1.4	16QAM	3	1	23.06	23.03	23.05	23.70
1.4	16QAM	3	3	22.96	22.91	23.06	23.70
1.4	16QAM	6	0	22.09	22.10	22.14	22.70
1.4	64QAM	1	0	22.35	22.17	22.25	22.70
1.4	64QAM	1	3	22.33	22.20	22.31	22.70
1.4	64QAM	1	5	22.30	22.22	22.33	22.70
1.4	64QAM	3	0	22.13	22.05	22.14	22.70
1.4	64QAM	3	1	22.13	22.04	22.13	22.70
1.4	64QAM	3	3	22.14	22.12	22.25	22.70
1.4	64QAM	6	0	21.12	21.03	21.12	21.70
1.4	256QAM	1	0	19.12	19.20	19.22	19.70
1.4	256QAM	1	3	19.16	19.04	19.21	19.70
1.4	256QAM	1	5	19.18	19.26	19.25	19.70
1.4	256QAM	3	0	19.20	19.19	19.28	19.70
1.4	256QAM	3	1	19.09	19.12	19.17	19.70
1.4	256QAM	3	3	19.08	19.08	19.20	19.70
1.4	256QAM	6	0	19.10	19.06	19.01	19.70

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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.96	23.82	23.88	24.70
20	QPSK	1	49	23.74	23.67	23.62	24.70
20	QPSK	1	99	23.69	23.72	23.56	24.70
20	QPSK	50	0	23.12	23.09	23.07	23.70
20	QPSK	50	24	22.99	23.03	22.97	23.70
20	QPSK	50	50	23.02	23.00	22.95	23.70
20	QPSK	100	0	23.06	23.05	22.96	23.70
20	16QAM	1	0	23.27	23.13	22.72	23.70
20	16QAM	1	49	23.26	23.06	23.67	23.70
20	16QAM	1	99	23.34	23.09	22.88	23.70
20	16QAM	50	0	22.09	22.05	22.00	22.70
20	16QAM	50	24	22.05	21.98	22.07	22.70
20	16QAM	50	50	22.10	21.94	22.00	22.70
20	16QAM	100	0	22.05	22.01	21.98	22.70
20	64QAM	1	0	22.52	22.27	22.18	22.70
20	64QAM	1	49	21.93	22.15	21.90	22.70
20	64QAM	1	99	21.97	22.16	21.90	22.70
20	64QAM	50	0	20.98	20.94	20.95	21.70
20	64QAM	50	24	20.97	21.05	20.88	21.70
20	64QAM	50	50	20.90	20.98	20.94	21.70
20	64QAM	100	0	21.08	20.95	20.97	21.70
20	256QAM	1	0	19.24	19.22	19.06	19.70
20	256QAM	1	49	19.07	18.96	18.98	19.70
20	256QAM	1	99	19.19	19.15	19.23	19.70
20	256QAM	50	0	19.16	19.14	19.06	19.70
20	256QAM	50	24	19.16	19.11	19.08	19.70
20	256QAM	50	50	19.12	19.09	19.02	19.70
20	256QAM	100	0	19.17	19.12	19.09	19.70
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.83	23.85	23.81	24.70
15	QPSK	1	37	23.81	23.85	23.74	24.70
15	QPSK	1	74	23.82	23.79	23.74	24.70
15	QPSK	36	0	23.22	23.14	23.11	23.70
15	QPSK	36	20	23.16	23.11	23.07	23.70
15	QPSK	36	39	23.14	23.12	23.09	23.70
15	QPSK	75	0	23.18	23.12	23.14	23.70
15	16QAM	1	0	23.54	23.43	23.38	23.70



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15	16QAM	1	37	23.63	23.61	23.45	23.70
15	16QAM	1	74	23.52	23.40	23.35	23.70
15	16QAM	36	0	22.23	22.10	22.09	22.70
15	16QAM	36	20	22.18	22.10	22.08	22.70
15	16QAM	36	39	22.18	22.15	22.09	22.70
15	16QAM	75	0	22.20	22.14	22.14	22.70
15	64QAM	1	0	22.42	22.31	22.34	22.70
15	64QAM	1	37	22.43	22.41	22.33	22.70
15	64QAM	1	74	22.40	22.26	22.29	22.70
15	64QAM	36	0	21.22	21.13	21.13	21.70
15	64QAM	36	20	21.16	21.12	21.12	21.70
15	64QAM	36	39	21.19	21.11	21.07	21.70
15	64QAM	75	0	21.15	21.10	21.06	21.70
15	256QAM	1	0	19.42	19.24	19.26	19.70
15	256QAM	1	37	19.24	19.10	19.19	19.70
15	256QAM	1	74	19.29	19.28	19.32	19.70
15	256QAM	36	0	19.19	19.10	19.10	19.70
15	256QAM	36	20	19.19	19.12	19.09	19.70
15	256QAM	36	39	19.10	19.05	19.09	19.70
15	256QAM	75	0	19.14	19.07	19.09	19.70
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	23.82	23.82	23.82	24.70
10	QPSK	1	25	23.81	23.78	23.78	24.70
10	QPSK	1	49	23.83	23.79	23.76	24.70
10	QPSK	25	0	23.11	23.15	23.11	23.70
10	QPSK	25	12	23.11	23.13	23.10	23.70
10	QPSK	25	25	23.09	23.12	23.05	23.70
10	QPSK	50	0	23.11	23.10	23.12	23.70
10	16QAM	1	0	23.42	23.32	23.38	23.70
10	16QAM	1	25	23.36	23.36	23.29	23.70
10	16QAM	1	49	23.42	23.41	23.27	23.70
10	16QAM	25	0	22.12	22.12	22.13	22.70
10	16QAM	25	12	22.15	22.13	22.12	22.70
10	16QAM	25	25	22.12	22.08	22.13	22.70
10	16QAM	50	0	22.16	22.12	22.13	22.70
10	64QAM	1	0	22.42	22.23	22.24	22.70
10	64QAM	1	25	22.38	22.22	22.22	22.70
10	64QAM	1	49	22.27	22.26	22.32	22.70
10	64QAM	25	0	21.14	21.09	21.17	21.70
10	64QAM	25	12	21.09	21.10	21.16	21.70
10	64QAM	25	25	21.09	21.09	21.14	21.70
10	64QAM	50	0	21.12	21.11	21.09	21.70
10	256QAM	1	0	19.35	19.32	19.30	19.70
10	256QAM	1	25	19.15	19.14	19.17	19.70
10	256QAM	1	49	19.19	19.19	19.21	19.70
10	256QAM	25	0	19.10	19.12	19.12	19.70
10	256QAM	25	12	19.09	19.14	19.15	19.70
10	256QAM	25	25	19.10	19.08	19.14	19.70
10	256QAM	50	0	19.05	19.11	19.08	19.70
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	23.88	23.88	23.79	24.70
5	QPSK	1	12	23.83	23.75	23.77	24.70
5	QPSK	1	24	23.87	23.81	23.83	24.70
5	QPSK	12	0	23.14	23.12	23.14	23.70
5	QPSK	12	7	23.10	23.08	23.09	23.70
5	QPSK	12	13	23.15	23.09	23.11	23.70
5	QPSK	25	0	23.09	23.08	23.10	23.70
5	16QAM	1	0	23.42	23.40	23.41	23.70
5	16QAM	1	12	23.56	23.34	23.51	23.70
5	16QAM	1	24	23.46	23.34	23.36	23.70
5	16QAM	12	0	22.14	22.04	22.17	22.70
5	16QAM	12	7	22.19	22.07	22.20	22.70
5	16QAM	12	13	22.08	22.06	22.10	22.70
5	16QAM	25	0	22.13	22.06	22.16	22.70
5	64QAM	1	0	22.27	22.26	22.30	22.70
5	64QAM	1	12	22.38	22.31	22.45	22.70
5	64QAM	1	24	22.39	22.26	22.25	22.70
5	64QAM	12	0	21.20	21.10	21.22	21.70
5	64QAM	12	7	21.15	21.12	21.24	21.70
5	64QAM	12	13	21.14	21.15	21.19	21.70
5	64QAM	25	0	21.12	21.07	21.21	21.70
5	256QAM	1	0	19.29	19.09	19.31	19.70
5	256QAM	1	12	19.16	19.09	19.26	19.70
5	256QAM	1	24	19.28	19.29	19.33	19.70
5	256QAM	12	0	19.11	19.08	19.18	19.70
5	256QAM	12	7	19.13	19.13	19.15	19.70



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5	256QAM	12	13	19.12	19.09	19.18	19.70
5	256QAM	25	0	19.10	19.08	19.15	19.70
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.95	23.88	23.95	24.70
3	QPSK	1	8	23.75	23.79	23.87	24.70
3	QPSK	1	14	23.75	23.68	23.91	24.70
3	QPSK	8	0	23.14	23.09	23.15	23.70
3	QPSK	8	4	23.03	22.98	23.05	23.70
3	QPSK	8	7	23.11	23.10	23.13	23.70
3	QPSK	15	0	23.08	23.13	23.20	23.70
3	16QAM	1	0	23.48	23.46	23.53	23.70
3	16QAM	1	8	23.43	23.33	23.41	23.70
3	16QAM	1	14	23.48	23.40	23.53	23.70
3	16QAM	8	0	22.18	22.15	22.22	22.70
3	16QAM	8	4	22.17	22.08	22.19	22.70
3	16QAM	8	7	22.16	22.07	22.16	22.70
3	16QAM	15	0	22.12	22.17	22.24	22.70
3	64QAM	1	0	22.34	22.26	22.48	22.70
3	64QAM	1	8	22.19	22.17	22.30	22.70
3	64QAM	1	14	22.20	22.17	22.28	22.70
3	64QAM	8	0	21.14	21.05	21.16	21.70
3	64QAM	8	4	21.17	21.11	21.17	21.70
3	64QAM	8	7	21.16	21.16	21.21	21.70
3	64QAM	15	0	21.17	21.13	21.23	21.70
3	256QAM	1	0	19.30	19.33	19.46	19.70
3	256QAM	1	8	19.15	19.19	19.32	19.70
3	256QAM	1	14	19.28	19.25	19.37	19.70
3	256QAM	8	0	19.14	19.12	19.22	19.70
3	256QAM	8	4	19.08	19.07	19.14	19.70
3	256QAM	8	7	19.18	19.14	19.21	19.70
3	256QAM	15	0	19.15	19.12	19.22	19.70
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.86	23.74	23.88	24.70
1.4	QPSK	1	3	23.76	23.71	23.74	24.70
1.4	QPSK	1	5	23.77	23.73	23.82	24.70
1.4	QPSK	3	0	23.76	23.77	23.78	24.70
1.4	QPSK	3	1	23.63	23.61	23.66	24.70
1.4	QPSK	3	3	23.73	23.73	23.77	24.70
1.4	QPSK	6	0	23.01	23.05	23.07	23.70
1.4	16QAM	1	0	23.54	23.27	23.44	23.70
1.4	16QAM	1	3	23.34	23.31	23.40	23.70
1.4	16QAM	1	5	23.38	23.27	23.45	23.70
1.4	16QAM	3	0	22.98	22.93	23.01	23.70
1.4	16QAM	3	1	23.06	23.03	23.05	23.70
1.4	16QAM	3	3	22.96	22.91	23.06	23.70
1.4	16QAM	6	0	22.09	22.10	22.14	22.70
1.4	64QAM	1	0	22.35	22.17	22.25	22.70
1.4	64QAM	1	3	22.33	22.20	22.31	22.70
1.4	64QAM	1	5	22.30	22.22	22.33	22.70
1.4	64QAM	3	0	22.13	22.05	22.14	22.70
1.4	64QAM	3	1	22.13	22.04	22.13	22.70
1.4	64QAM	3	3	22.14	22.12	22.25	22.70
1.4	64QAM	6	0	21.12	21.03	21.12	21.70
1.4	256QAM	1	0	19.12	19.20	19.22	19.70
1.4	256QAM	1	3	19.16	19.04	19.21	19.70
1.4	256QAM	1	5	19.18	19.26	19.25	19.70
1.4	256QAM	3	0	19.20	19.19	19.28	19.70
1.4	256QAM	3	1	19.09	19.12	19.17	19.70
1.4	256QAM	3	3	19.08	19.08	19.20	19.70
1.4	256QAM	6	0	19.10	19.06	19.01	19.70

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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.70	17.65	17.78	18.10
20	QPSK	1	49	17.59	17.52	17.71	18.10
20	QPSK	1	99	17.59	17.52	17.64	18.10
20	QPSK	50	0	17.67	17.62	17.74	18.10
20	QPSK	50	24	17.60	17.57	17.72	18.10
20	QPSK	50	50	17.58	17.50	17.71	18.10
20	QPSK	100	0	17.62	17.59	17.72	18.10
20	16QAM	1	0	17.57	17.62	17.68	18.10
20	16QAM	1	49	17.49	17.42	17.62	18.10
20	16QAM	1	99	17.55	17.43	17.60	18.10
20	16QAM	50	0	17.69	17.56	17.74	18.10
20	16QAM	50	24	17.65	17.55	17.72	18.10
20	16QAM	50	50	17.58	17.54	17.71	18.10
20	16QAM	100	0	17.63	17.58	17.75	18.10
20	64QAM	1	0	17.56	17.54	17.67	18.10
20	64QAM	1	49	17.52	17.52	17.63	18.10
20	64QAM	1	99	17.47	17.45	17.68	18.10
20	64QAM	50	0	17.64	17.57	17.72	18.10
20	64QAM	50	24	17.60	17.55	17.69	18.10
20	64QAM	50	50	17.55	17.54	17.70	18.10
20	64QAM	100	0	17.57	17.54	17.71	18.10
20	256QAM	1	0	17.64	17.56	17.64	18.10
20	256QAM	1	49	17.55	17.54	17.68	18.10
20	256QAM	1	99	17.48	17.46	17.64	18.10
20	256QAM	50	0	17.61	17.58	17.70	18.10
20	256QAM	50	24	17.60	17.56	17.68	18.10
20	256QAM	50	50	17.53	17.53	17.71	18.10
20	256QAM	100	0	17.62	17.57	17.75	18.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.67	17.53	17.67	18.10
15	QPSK	1	37	17.49	17.41	17.66	18.10
15	QPSK	1	74	17.51	17.47	17.54	18.10
15	QPSK	36	0	17.64	17.55	17.67	18.10
15	QPSK	36	20	17.57	17.52	17.63	18.10
15	QPSK	36	39	17.52	17.36	17.60	18.10
15	QPSK	75	0	17.56	17.53	17.70	18.10
15	16QAM	1	0	17.52	17.48	17.56	18.10
15	16QAM	1	37	17.44	17.31	17.56	18.10
15	16QAM	1	74	17.53	17.31	17.57	18.10
15	16QAM	36	0	17.57	17.43	17.72	18.10
15	16QAM	36	20	17.55	17.40	17.70	18.10
15	16QAM	36	39	17.44	17.51	17.66	18.10
15	16QAM	75	0	17.55	17.55	17.68	18.10
15	64QAM	1	0	17.42	17.48	17.57	18.10
15	64QAM	1	37	17.45	17.39	17.49	18.10
15	64QAM	1	74	17.45	17.39	17.61	18.10
15	64QAM	36	0	17.60	17.51	17.70	18.10
15	64QAM	36	20	17.52	17.43	17.61	18.10
15	64QAM	36	39	17.52	17.48	17.62	18.10
15	64QAM	75	0	17.50	17.42	17.62	18.10
15	256QAM	1	0	17.58	17.49	17.52	18.10
15	256QAM	1	37	17.51	17.41	17.62	18.10
15	256QAM	1	74	17.36	17.44	17.60	18.10
15	256QAM	36	0	17.58	17.44	17.60	18.10
15	256QAM	36	20	17.45	17.52	17.59	18.10
15	256QAM	36	39	17.50	17.41	17.57	18.10
15	256QAM	75	0	17.54	17.52	17.64	18.10
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.60	17.56	17.70	18.10
10	QPSK	1	25	17.46	17.41	17.67	18.10
10	QPSK	1	49	17.57	17.48	17.54	18.10
10	QPSK	25	0	17.65	17.60	17.71	18.10
10	QPSK	25	12	17.50	17.55	17.70	18.10
10	QPSK	25	25	17.49	17.45	17.60	18.10
10	QPSK	50	0	17.60	17.49	17.68	18.10
10	16QAM	1	0	17.48	17.55	17.59	18.10
10	16QAM	1	25	17.40	17.35	17.53	18.10
10	16QAM	1	49	17.50	17.40	17.52	18.10
10	16QAM	25	0	17.66	17.48	17.69	18.10



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10	16QAM	25	12	17.55	17.53	17.62	18.10
10	16QAM	25	25	17.53	17.50	17.65	18.10
10	16QAM	50	0	17.51	17.44	17.74	18.10
10	64QAM	1	0	17.52	17.51	17.55	18.10
10	64QAM	1	25	17.50	17.43	17.51	18.10
10	64QAM	1	49	17.38	17.39	17.58	18.10
10	64QAM	25	0	17.57	17.52	17.66	18.10
10	64QAM	25	12	17.47	17.46	17.63	18.10
10	64QAM	25	25	17.50	17.45	17.57	18.10
10	64QAM	50	0	17.56	17.42	17.64	18.10
10	256QAM	1	0	17.52	17.47	17.52	18.10
10	256QAM	1	25	17.50	17.43	17.60	18.10
10	256QAM	1	49	17.45	17.35	17.61	18.10
10	256QAM	25	0	17.52	17.55	17.62	18.10
10	256QAM	25	12	17.51	17.54	17.55	18.10
10	256QAM	25	25	17.49	17.42	17.67	18.10
10	256QAM	50	0	17.49	17.53	17.71	18.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.60	17.60	17.73	18.10
5	QPSK	1	12	17.56	17.43	17.60	18.10
5	QPSK	1	24	17.54	17.46	17.59	18.10
5	QPSK	12	0	17.62	17.53	17.70	18.10
5	QPSK	12	7	17.45	17.44	17.64	18.10
5	QPSK	12	13	17.50	17.47	17.70	18.10
5	QPSK	25	0	17.59	17.53	17.71	18.10
5	16QAM	1	0	17.54	17.48	17.62	18.10
5	16QAM	1	12	17.40	17.39	17.47	18.10
5	16QAM	1	24	17.45	17.35	17.54	18.10
5	16QAM	12	0	17.67	17.48	17.62	18.10
5	16QAM	12	7	17.58	17.51	17.67	18.10
5	16QAM	12	13	17.56	17.49	17.64	18.10
5	16QAM	25	0	17.62	17.44	17.67	18.10
5	64QAM	1	0	17.52	17.45	17.59	18.10
5	64QAM	1	12	17.42	17.51	17.54	18.10
5	64QAM	1	24	17.42	17.36	17.63	18.10
5	64QAM	12	0	17.49	17.48	17.67	18.10
5	64QAM	12	7	17.47	17.47	17.55	18.10
5	64QAM	12	13	17.51	17.43	17.64	18.10
5	64QAM	25	0	17.43	17.52	17.59	18.10
5	256QAM	1	0	17.54	17.44	17.59	18.10
5	256QAM	1	12	17.52	17.51	17.60	18.10
5	256QAM	1	24	17.38	17.35	17.61	18.10
5	256QAM	12	0	17.59	17.49	17.62	18.10
5	256QAM	12	7	17.50	17.43	17.65	18.10
5	256QAM	12	13	17.46	17.42	17.62	18.10
5	256QAM	25	0	17.49	17.48	17.61	18.10
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.56	17.63	17.67	18.10
3	QPSK	1	8	17.53	17.49	17.68	18.10
3	QPSK	1	14	17.53	17.44	17.51	18.10
3	QPSK	8	0	17.59	17.57	17.72	18.10
3	QPSK	8	4	17.54	17.45	17.57	18.10
3	QPSK	8	7	17.44	17.45	17.61	18.10
3	QPSK	15	0	17.49	17.47	17.70	18.10
3	16QAM	1	0	17.56	17.59	17.57	18.10
3	16QAM	1	8	17.48	17.41	17.49	18.10
3	16QAM	1	14	17.53	17.30	17.57	18.10
3	16QAM	8	0	17.64	17.44	17.66	18.10
3	16QAM	8	4	17.61	17.41	17.70	18.10
3	16QAM	8	7	17.52	17.45	17.61	18.10
3	16QAM	15	0	17.59	17.46	17.71	18.10
3	64QAM	1	0	17.48	17.43	17.55	18.10
3	64QAM	1	8	17.48	17.44	17.52	18.10
3	64QAM	1	14	17.37	17.30	17.56	18.10
3	64QAM	8	0	17.50	17.50	17.59	18.10
3	64QAM	8	4	17.57	17.40	17.64	18.10
3	64QAM	8	7	17.43	17.41	17.65	18.10
3	64QAM	15	0	17.55	17.52	17.62	18.10
3	256QAM	1	0	17.50	17.42	17.62	18.10
3	256QAM	1	8	17.44	17.49	17.59	18.10
3	256QAM	1	14	17.40	17.41	17.63	18.10
3	256QAM	8	0	17.46	17.57	17.58	18.10
3	256QAM	8	4	17.53	17.46	17.66	18.10
3	256QAM	8	7	17.49	17.52	17.64	18.10
3	256QAM	15	0	17.55	17.43	17.69	18.10
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	17.69	17.57	17.67	18.10
1.4	QPSK	1	3	17.44	17.46	17.57	18.10
1.4	QPSK	1	5	17.45	17.43	17.56	18.10
1.4	QPSK	3	0	17.54	17.47	17.62	18.10
1.4	QPSK	3	1	17.55	17.47	17.68	18.10
1.4	QPSK	3	3	17.53	17.45	17.58	18.10
1.4	QPSK	6	0	16.58	16.47	16.58	17.10
1.4	16QAM	1	0	16.55	16.47	16.63	17.10
1.4	16QAM	1	3	16.46	16.38	16.61	17.10
1.4	16QAM	1	5	16.47	16.42	16.55	17.10
1.4	16QAM	3	0	16.57	16.47	16.72	17.10
1.4	16QAM	3	1	16.58	16.51	16.67	17.10
1.4	16QAM	3	3	16.44	16.51	16.59	17.10
1.4	16QAM	6	0	15.54	15.51	15.60	16.10
1.4	64QAM	1	0	15.52	15.46	15.65	16.10
1.4	64QAM	1	3	15.50	15.41	15.48	16.10
1.4	64QAM	1	5	15.41	15.36	15.54	16.10
1.4	64QAM	3	0	15.50	15.44	15.60	16.10
1.4	64QAM	3	1	15.48	15.45	15.67	16.10
1.4	64QAM	3	3	15.53	15.46	15.68	16.10
1.4	64QAM	6	0	14.54	14.43	14.65	15.10
1.4	256QAM	1	0	12.54	12.53	12.55	13.10
1.4	256QAM	1	3	12.45	12.52	12.67	13.10
1.4	256QAM	1	5	12.40	12.32	12.50	13.10
1.4	256QAM	3	0	12.54	12.47	12.59	13.10
1.4	256QAM	3	1	12.52	12.44	12.57	13.10
1.4	256QAM	3	3	12.40	12.49	12.69	13.10
1.4	256QAM	6	0	12.55	12.49	12.68	13.10

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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	17.70	17.65	17.78	18.10
20	QPSK	1	49	17.59	17.52	17.71	18.10
20	QPSK	1	99	17.59	17.52	17.64	18.10
20	QPSK	50	0	17.67	17.62	17.74	18.10
20	QPSK	50	24	17.60	17.57	17.72	18.10
20	QPSK	50	50	17.58	17.50	17.71	18.10
20	QPSK	100	0	17.62	17.59	17.72	18.10
20	16QAM	1	0	17.57	17.62	17.68	18.10
20	16QAM	1	49	17.49	17.42	17.62	18.10
20	16QAM	1	99	17.55	17.43	17.60	18.10
20	16QAM	50	0	17.69	17.56	17.74	18.10
20	16QAM	50	24	17.65	17.55	17.72	18.10
20	16QAM	50	50	17.58	17.54	17.71	18.10
20	16QAM	100	0	17.63	17.58	17.75	18.10
20	64QAM	1	0	17.56	17.54	17.67	18.10
20	64QAM	1	49	17.52	17.52	17.63	18.10
20	64QAM	1	99	17.47	17.45	17.68	18.10
20	64QAM	50	0	17.64	17.57	17.72	18.10
20	64QAM	50	24	17.60	17.55	17.69	18.10
20	64QAM	50	50	17.55	17.54	17.70	18.10
20	64QAM	100	0	17.57	17.54	17.71	18.10
20	256QAM	1	0	17.64	17.56	17.64	18.10
20	256QAM	1	49	17.55	17.54	17.68	18.10
20	256QAM	1	99	17.48	17.46	17.64	18.10
20	256QAM	50	0	17.61	17.58	17.70	18.10
20	256QAM	50	24	17.60	17.56	17.68	18.10
20	256QAM	50	50	17.53	17.53	17.71	18.10
20	256QAM	100	0	17.62	17.57	17.75	18.10
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.67	17.53	17.67	18.10
15	QPSK	1	37	17.49	17.41	17.66	18.10
15	QPSK	1	74	17.51	17.47	17.54	18.10
15	QPSK	36	0	17.64	17.55	17.67	18.10
15	QPSK	36	20	17.57	17.52	17.63	18.10
15	QPSK	36	39	17.52	17.36	17.60	18.10
15	QPSK	75	0	17.56	17.53	17.70	18.10
15	16QAM	1	0	17.52	17.48	17.56	18.10
15	16QAM	1	37	17.44	17.31	17.56	18.10
15	16QAM	1	74	17.53	17.31	17.57	18.10
15	16QAM	36	0	17.57	17.43	17.72	18.10



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15	16QAM	36	20	17.55	17.40	17.70	18.10
15	16QAM	36	39	17.44	17.51	17.66	18.10
15	16QAM	75	0	17.55	17.55	17.68	18.10
15	64QAM	1	0	17.42	17.48	17.57	18.10
15	64QAM	1	37	17.45	17.39	17.49	18.10
15	64QAM	1	74	17.45	17.39	17.61	18.10
15	64QAM	36	0	17.60	17.51	17.70	18.10
15	64QAM	36	20	17.52	17.43	17.61	18.10
15	64QAM	36	39	17.52	17.48	17.62	18.10
15	64QAM	75	0	17.50	17.42	17.62	18.10
15	256QAM	1	0	17.58	17.49	17.52	18.10
15	256QAM	1	37	17.51	17.41	17.62	18.10
15	256QAM	1	74	17.36	17.44	17.60	18.10
15	256QAM	36	0	17.58	17.44	17.60	18.10
15	256QAM	36	20	17.45	17.52	17.59	18.10
15	256QAM	36	39	17.50	17.41	17.57	18.10
15	256QAM	75	0	17.54	17.52	17.64	18.10
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	17.60	17.56	17.70	18.10
10	QPSK	1	25	17.46	17.41	17.67	18.10
10	QPSK	1	49	17.57	17.48	17.54	18.10
10	QPSK	25	0	17.65	17.60	17.71	18.10
10	QPSK	25	12	17.50	17.55	17.70	18.10
10	QPSK	25	25	17.49	17.45	17.60	18.10
10	QPSK	50	0	17.60	17.49	17.68	18.10
10	16QAM	1	0	17.48	17.55	17.59	18.10
10	16QAM	1	25	17.40	17.35	17.53	18.10
10	16QAM	1	49	17.50	17.40	17.52	18.10
10	16QAM	25	0	17.66	17.48	17.69	18.10
10	16QAM	25	12	17.55	17.53	17.62	18.10
10	16QAM	25	25	17.53	17.50	17.65	18.10
10	16QAM	50	0	17.51	17.44	17.74	18.10
10	64QAM	1	0	17.52	17.51	17.55	18.10
10	64QAM	1	25	17.50	17.43	17.51	18.10
10	64QAM	1	49	17.38	17.39	17.58	18.10
10	64QAM	25	0	17.57	17.52	17.66	18.10
10	64QAM	25	12	17.47	17.46	17.63	18.10
10	64QAM	25	25	17.50	17.45	17.57	18.10
10	64QAM	50	0	17.56	17.42	17.64	18.10
10	256QAM	1	0	17.52	17.47	17.52	18.10
10	256QAM	1	25	17.50	17.43	17.60	18.10
10	256QAM	1	49	17.45	17.35	17.61	18.10
10	256QAM	25	0	17.52	17.55	17.62	18.10
10	256QAM	25	12	17.51	17.54	17.55	18.10
10	256QAM	25	25	17.49	17.42	17.67	18.10
10	256QAM	50	0	17.49	17.53	17.71	18.10
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.60	17.60	17.73	18.10
5	QPSK	1	12	17.56	17.43	17.60	18.10
5	QPSK	1	24	17.54	17.46	17.59	18.10
5	QPSK	12	0	17.62	17.53	17.70	18.10
5	QPSK	12	7	17.45	17.44	17.64	18.10
5	QPSK	12	13	17.50	17.47	17.70	18.10
5	QPSK	25	0	17.59	17.53	17.71	18.10
5	16QAM	1	0	17.54	17.48	17.62	18.10
5	16QAM	1	12	17.40	17.39	17.47	18.10
5	16QAM	1	24	17.45	17.35	17.54	18.10
5	16QAM	12	0	17.67	17.48	17.62	18.10
5	16QAM	12	7	17.58	17.51	17.67	18.10
5	16QAM	12	13	17.56	17.49	17.64	18.10
5	16QAM	25	0	17.62	17.44	17.67	18.10
5	64QAM	1	0	17.52	17.45	17.59	18.10
5	64QAM	1	12	17.42	17.51	17.54	18.10
5	64QAM	1	24	17.42	17.36	17.63	18.10
5	64QAM	12	0	17.49	17.48	17.67	18.10
5	64QAM	12	7	17.47	17.47	17.55	18.10
5	64QAM	12	13	17.51	17.43	17.64	18.10
5	64QAM	25	0	17.43	17.52	17.59	18.10
5	256QAM	1	0	17.54	17.44	17.59	18.10
5	256QAM	1	12	17.52	17.51	17.60	18.10
5	256QAM	1	24	17.38	17.35	17.61	18.10
5	256QAM	12	0	17.59	17.49	17.62	18.10
5	256QAM	12	7	17.50	17.43	17.65	18.10
5	256QAM	12	13	17.46	17.42	17.62	18.10
5	256QAM	25	0	17.49	17.48	17.61	18.10
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.56	17.63	17.67	18.10
3	QPSK	1	8	17.53	17.49	17.68	18.10
3	QPSK	1	14	17.53	17.44	17.51	18.10
3	QPSK	8	0	17.59	17.57	17.72	18.10
3	QPSK	8	4	17.54	17.45	17.57	18.10
3	QPSK	8	7	17.44	17.45	17.61	18.10
3	QPSK	15	0	17.49	17.47	17.70	18.10
3	16QAM	1	0	17.56	17.59	17.57	18.10
3	16QAM	1	8	17.48	17.41	17.49	18.10
3	16QAM	1	14	17.53	17.30	17.57	18.10
3	16QAM	8	0	17.64	17.44	17.66	18.10
3	16QAM	8	4	17.61	17.41	17.70	18.10
3	16QAM	8	7	17.52	17.45	17.61	18.10
3	16QAM	15	0	17.59	17.46	17.71	18.10
3	64QAM	1	0	17.48	17.43	17.55	18.10
3	64QAM	1	8	17.48	17.44	17.52	18.10
3	64QAM	1	14	17.37	17.30	17.56	18.10
3	64QAM	8	0	17.50	17.50	17.59	18.10
3	64QAM	8	4	17.57	17.40	17.64	18.10
3	64QAM	8	7	17.43	17.41	17.65	18.10
3	64QAM	15	0	17.55	17.52	17.62	18.10
3	256QAM	1	0	17.50	17.42	17.62	18.10
3	256QAM	1	8	17.44	17.49	17.59	18.10
3	256QAM	1	14	17.40	17.41	17.63	18.10
3	256QAM	8	0	17.46	17.57	17.58	18.10
3	256QAM	8	4	17.53	17.46	17.66	18.10
3	256QAM	8	7	17.49	17.52	17.64	18.10
3	256QAM	15	0	17.55	17.43	17.69	18.10
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.69	17.57	17.67	18.10
1.4	QPSK	1	3	17.44	17.46	17.57	18.10
1.4	QPSK	1	5	17.45	17.43	17.56	18.10
1.4	QPSK	3	0	17.54	17.47	17.62	18.10
1.4	QPSK	3	1	17.55	17.47	17.68	18.10
1.4	QPSK	3	3	17.53	17.45	17.58	18.10
1.4	QPSK	6	0	16.58	16.47	16.58	17.10
1.4	16QAM	1	0	16.55	16.47	16.63	17.10
1.4	16QAM	1	3	16.46	16.38	16.61	17.10
1.4	16QAM	1	5	16.47	16.42	16.55	17.10
1.4	16QAM	3	0	16.57	16.47	16.72	17.10
1.4	16QAM	3	1	16.58	16.51	16.67	17.10
1.4	16QAM	3	3	16.44	16.51	16.59	17.10
1.4	16QAM	6	0	15.54	15.51	15.60	16.10
1.4	64QAM	1	0	15.52	15.46	15.65	16.10
1.4	64QAM	1	3	15.50	15.41	15.48	16.10
1.4	64QAM	1	5	15.41	15.36	15.54	16.10
1.4	64QAM	3	0	15.50	15.44	15.60	16.10
1.4	64QAM	3	1	15.48	15.45	15.67	16.10
1.4	64QAM	3	3	15.53	15.46	15.68	16.10
1.4	64QAM	6	0	14.54	14.43	14.65	15.10
1.4	256QAM	1	0	12.54	12.53	12.55	13.10
1.4	256QAM	1	3	12.45	12.52	12.67	13.10
1.4	256QAM	1	5	12.40	12.32	12.50	13.10
1.4	256QAM	3	0	12.54	12.47	12.59	13.10
1.4	256QAM	3	1	12.52	12.44	12.57	13.10
1.4	256QAM	3	3	12.40	12.49	12.69	13.10
1.4	256QAM	6	0	12.55	12.49	12.68	13.10

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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	24.11	24.04	23.99	25.20
20	QPSK	1	49	24.10	24.03	23.96	25.20
20	QPSK	1	99	23.96	23.97	23.89	25.20
20	QPSK	50	0	23.36	23.29	23.23	24.20
20	QPSK	50	24	23.33	23.27	23.23	24.20
20	QPSK	50	50	23.31	23.25	23.19	24.20
20	QPSK	100	0	23.33	23.27	23.19	24.20
20	16QAM	1	0	23.75	23.56	23.52	24.20
20	16QAM	1	49	23.72	23.64	23.56	24.20
20	16QAM	1	99	23.53	23.58	23.50	24.20
20	16QAM	50	0	22.38	22.26	22.21	23.20



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20	16QAM	50	24	22.33	22.25	22.18	23.20
20	16QAM	50	50	22.27	22.24	22.16	23.20
20	16QAM	100	0	22.34	22.26	22.19	23.20
20	64QAM	1	0	22.63	22.43	22.43	23.20
20	64QAM	1	49	22.56	22.52	22.40	23.20
20	64QAM	1	99	22.42	22.45	22.36	23.20
20	64QAM	50	0	21.41	21.28	21.24	22.20
20	64QAM	50	24	21.36	21.27	21.22	22.20
20	64QAM	50	50	21.29	21.26	21.20	22.20
20	64QAM	100	0	21.34	21.27	21.21	22.20
20	256QAM	1	0	19.64	19.44	19.44	20.20
20	256QAM	1	49	19.40	19.28	19.26	20.20
20	256QAM	1	99	19.43	19.42	19.38	20.20
20	256QAM	50	0	19.38	19.25	19.21	20.20
20	256QAM	50	24	19.33	19.24	19.19	20.20
20	256QAM	50	50	19.27	19.21	19.19	20.20
20	256QAM	100	0	19.33	19.23	19.21	20.20
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	24.10	24.03	23.97	25.20
15	QPSK	1	37	24.05	24.01	23.96	25.20
15	QPSK	1	74	23.97	23.96	23.91	25.20
15	QPSK	36	0	23.36	23.28	23.24	24.20
15	QPSK	36	20	23.33	23.26	23.21	24.20
15	QPSK	36	39	23.31	23.26	23.22	24.20
15	QPSK	75	0	23.33	23.27	23.22	24.20
15	16QAM	1	0	23.75	23.58	23.56	24.20
15	16QAM	1	37	23.75	23.67	23.60	24.20
15	16QAM	1	74	23.56	23.57	23.51	24.20
15	16QAM	36	0	22.36	22.27	22.22	23.20
15	16QAM	36	20	22.32	22.26	22.21	23.20
15	16QAM	36	39	22.31	22.27	22.22	23.20
15	16QAM	75	0	22.34	22.26	22.21	23.20
15	64QAM	1	0	22.65	22.45	22.43	23.20
15	64QAM	1	37	22.26	22.19	22.13	23.20
15	64QAM	1	74	22.42	22.44	22.36	23.20
15	64QAM	36	0	21.39	21.28	21.26	22.20
15	64QAM	36	20	21.35	21.27	21.22	22.20
15	64QAM	36	39	21.33	21.28	21.23	22.20
15	64QAM	75	0	21.36	21.27	21.22	22.20
15	256QAM	1	0	19.61	19.42	19.42	20.20
15	256QAM	1	37	19.40	19.31	19.32	20.20
15	256QAM	1	74	19.45	19.42	19.40	20.20
15	256QAM	36	0	19.38	19.25	19.26	20.20
15	256QAM	36	20	19.33	19.24	19.24	20.20
15	256QAM	36	39	19.30	19.24	19.24	20.20
15	256QAM	75	0	19.33	19.24	19.25	20.20
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	24.08	24.01	23.96	25.20
10	QPSK	1	25	23.96	23.87	23.92	25.20
10	QPSK	1	49	24.06	23.97	23.91	25.20
10	QPSK	25	0	23.39	23.29	23.64	24.20
10	QPSK	25	12	23.36	23.27	23.25	24.20
10	QPSK	25	25	23.34	23.24	23.22	24.20
10	QPSK	50	0	23.37	23.29	23.24	24.20
10	16QAM	1	0	23.60	23.49	23.42	24.20
10	16QAM	1	25	23.59	23.49	23.38	24.20
10	16QAM	1	49	23.58	23.48	23.38	24.20
10	16QAM	25	0	22.40	22.27	22.23	23.20
10	16QAM	25	12	22.00	22.24	22.24	23.20
10	16QAM	25	25	21.97	22.23	22.22	23.20
10	16QAM	50	0	22.40	22.24	22.22	23.20
10	64QAM	1	0	22.57	22.38	22.35	23.20
10	64QAM	1	25	22.56	22.34	22.28	23.20
10	64QAM	1	49	22.52	22.39	22.32	23.20
10	64QAM	25	0	21.25	21.24	21.22	22.20
10	64QAM	25	12	20.97	21.19	21.21	22.20
10	64QAM	25	25	20.95	21.21	21.22	22.20
10	64QAM	50	0	21.42	21.24	21.25	22.20
10	256QAM	1	0	19.59	19.43	19.37	20.20
10	256QAM	1	25	19.50	19.37	19.33	20.20
10	256QAM	1	49	19.52	19.43	19.37	20.20
10	256QAM	25	0	19.09	19.25	19.22	20.20
10	256QAM	25	12	18.94	19.24	19.20	20.20
10	256QAM	25	25	18.95	19.23	19.20	20.20
10	256QAM	50	0	19.37	19.25	19.22	20.20
Channel				131997	132322	132647	Tune-up limit



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Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	24.08	23.97	23.94	25.20
5	QPSK	1	12	24.10	23.90	23.92	25.20
5	QPSK	1	24	24.10	23.95	23.91	25.20
5	QPSK	12	0	23.38	23.15	23.21	24.20
5	QPSK	12	7	23.38	23.21	23.21	24.20
5	QPSK	12	13	23.39	23.20	23.20	24.20
5	QPSK	25	0	23.12	23.21	23.21	24.20
5	16QAM	1	0	23.65	23.48	23.45	24.20
5	16QAM	1	12	23.64	23.45	23.48	24.20
5	16QAM	1	24	23.62	23.47	23.40	24.20
5	16QAM	12	0	22.40	22.13	22.19	23.20
5	16QAM	12	7	22.41	22.23	22.23	23.20
5	16QAM	12	13	22.40	22.22	22.18	23.20
5	16QAM	25	0	22.38	22.22	22.19	23.20
5	64QAM	1	0	22.60	22.36	22.43	23.20
5	64QAM	1	12	22.40	22.09	22.15	23.20
5	64QAM	1	24	22.58	22.36	22.38	23.20
5	64QAM	12	0	21.40	21.11	21.21	22.20
5	64QAM	12	7	21.39	21.20	21.21	22.20
5	64QAM	12	13	21.37	21.22	21.20	22.20
5	64QAM	25	0	21.37	21.22	21.20	22.20
5	256QAM	1	0	19.56	19.42	19.40	20.20
5	256QAM	1	12	19.46	19.32	19.32	20.20
5	256QAM	1	24	19.54	19.39	19.36	20.20
5	256QAM	12	0	19.38	19.20	19.20	20.20
5	256QAM	12	7	19.37	19.22	19.18	20.20
5	256QAM	12	13	19.36	19.21	19.18	20.20
5	256QAM	25	0	19.36	19.22	19.18	20.20
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.63	23.95	23.94	25.20
3	QPSK	1	8	23.98	23.91	23.87	25.20
3	QPSK	1	14	24.00	23.95	23.92	25.20
3	QPSK	8	0	23.38	23.20	23.20	24.20
3	QPSK	8	4	23.30	23.16	23.08	24.20
3	QPSK	8	7	23.70	23.16	23.19	24.20
3	QPSK	15	0	23.34	23.23	23.12	24.20
3	16QAM	1	0	23.61	23.50	23.48	24.20
3	16QAM	1	8	23.56	23.46	23.40	24.20
3	16QAM	1	14	23.63	23.52	23.45	24.20
3	16QAM	8	0	22.51	22.27	22.28	23.20
3	16QAM	8	4	22.38	22.23	22.15	23.20
3	16QAM	8	7	22.39	22.25	22.22	23.20
3	16QAM	15	0	22.36	22.28	22.20	23.20
3	64QAM	1	0	22.67	22.54	22.48	23.20
3	64QAM	1	8	22.58	22.48	22.41	23.20
3	64QAM	1	14	22.67	22.53	22.50	23.20
3	64QAM	8	0	21.48	21.24	21.25	22.20
3	64QAM	8	4	21.40	21.28	21.17	22.20
3	64QAM	8	7	21.51	21.25	21.20	22.20
3	64QAM	15	0	21.31	21.25	21.09	22.20
3	256QAM	1	0	19.96	19.85	19.80	20.20
3	256QAM	1	8	19.94	19.81	19.75	20.20
3	256QAM	1	14	19.96	19.86	19.79	20.20
3	256QAM	8	0	19.77	19.67	19.57	20.20
3	256QAM	8	4	19.62	19.32	19.51	20.20
3	256QAM	8	7	19.75	19.66	19.52	20.20
3	256QAM	15	0	19.51	19.38	19.32	20.20
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	23.79	23.83	23.63	25.20
1.4	QPSK	1	3	23.66	23.75	23.52	25.20
1.4	QPSK	1	5	23.48	23.60	23.35	25.20
1.4	QPSK	3	0	23.74	23.82	23.53	25.20
1.4	QPSK	3	1	23.66	23.80	23.51	25.20
1.4	QPSK	3	3	23.77	23.84	23.56	25.20
1.4	QPSK	6	0	22.99	23.03	22.81	24.20
1.4	16QAM	1	0	22.63	22.71	22.48	24.20
1.4	16QAM	1	3	22.41	22.54	22.30	24.20
1.4	16QAM	1	5	22.51	22.63	22.37	24.20
1.4	16QAM	3	0	22.89	23.01	22.76	24.20
1.4	16QAM	3	1	22.92	23.04	22.77	24.20
1.4	16QAM	3	3	23.04	23.12	22.89	24.20
1.4	16QAM	6	0	21.51	21.63	21.39	23.20
1.4	64QAM	1	0	22.40	22.50	22.28	23.20
1.4	64QAM	1	3	22.29	22.36	22.16	23.20
1.4	64QAM	1	5	22.35	22.45	22.20	23.20



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1.4	64QAM	3	0	22.24	22.31	22.08	23.20
1.4	64QAM	3	1	22.28	22.39	22.09	23.20
1.4	64QAM	3	3	22.20	22.31	22.08	23.20
1.4	64QAM	6	0	20.97	21.06	20.85	22.20
1.4	256QAM	1	0	18.53	18.62	18.35	20.20
1.4	256QAM	1	3	18.61	18.67	18.37	20.20
1.4	256QAM	1	5	18.44	18.53	18.30	20.20
1.4	256QAM	3	0	18.54	18.62	18.41	20.20
1.4	256QAM	3	1	18.47	18.51	18.31	20.20
1.4	256QAM	3	3	18.40	18.46	18.37	20.20
1.4	256QAM	6	0	19.57	19.64	19.36	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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.50	15.45	15.42	15.50
20	QPSK	1	49	15.50	15.43	15.42	15.50
20	QPSK	1	99	15.44	15.40	15.33	15.50
20	QPSK	50	0	15.45	15.44	15.42	15.50
20	QPSK	50	24	15.42	15.42	15.38	15.50
20	QPSK	50	50	15.41	15.40	15.29	15.50
20	QPSK	100	0	15.44	15.42	15.28	15.50
20	16QAM	1	0	15.41	15.40	15.35	15.50
20	16QAM	1	49	15.41	15.39	15.35	15.50
20	16QAM	1	99	15.34	15.35	15.27	15.50
20	16QAM	50	0	15.47	15.40	15.22	15.50
20	16QAM	50	24	15.33	15.35	15.36	15.50
20	16QAM	50	50	15.41	15.40	15.28	15.50
20	16QAM	100	0	15.49	15.43	15.34	15.50
20	64QAM	1	0	15.40	15.39	15.36	15.50
20	64QAM	1	49	15.38	15.38	15.26	15.50
20	64QAM	1	99	15.33	15.34	15.33	15.50
20	64QAM	50	0	15.36	15.38	15.27	15.50
20	64QAM	50	24	15.38	15.37	15.30	15.50
20	64QAM	50	50	15.44	15.37	15.24	15.50
20	64QAM	100	0	15.28	15.30	15.27	15.50
20	256QAM	1	0	15.37	15.36	15.27	15.50
20	256QAM	1	49	15.33	15.30	15.27	15.50
20	256QAM	1	99	15.31	15.25	15.18	15.50
20	256QAM	50	0	15.30	15.28	15.19	15.50
20	256QAM	50	24	15.29	15.27	15.25	15.50
20	256QAM	50	50	15.33	15.33	15.19	15.50
20	256QAM	100	0	15.32	15.29	15.23	15.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.42	15.39	15.28	15.50
15	QPSK	1	37	15.47	15.36	15.35	15.50
15	QPSK	1	74	15.30	15.34	15.31	15.50
15	QPSK	36	0	15.33	15.33	15.38	15.50
15	QPSK	36	20	15.37	15.36	15.29	15.50
15	QPSK	36	39	15.36	15.31	15.26	15.50
15	QPSK	75	0	15.38	15.40	15.20	15.50
15	16QAM	1	0	15.31	15.25	15.24	15.50
15	16QAM	1	37	15.33	15.31	15.32	15.50
15	16QAM	1	74	15.20	15.23	15.16	15.50
15	16QAM	36	0	15.45	15.38	15.12	15.50
15	16QAM	36	20	15.30	15.32	15.35	15.50
15	16QAM	36	39	15.32	15.35	15.27	15.50
15	16QAM	75	0	15.47	15.31	15.29	15.50
15	64QAM	1	0	15.31	15.36	15.34	15.50
15	64QAM	1	37	15.35	15.28	15.19	15.50
15	64QAM	1	74	15.30	15.32	15.25	15.50
15	64QAM	36	0	15.28	15.24	15.18	15.50
15	64QAM	36	20	15.37	15.31	15.24	15.50
15	64QAM	36	39	15.35	15.29	15.19	15.50
15	64QAM	75	0	15.23	15.17	15.24	15.50
15	256QAM	1	0	15.31	15.34	15.16	15.50
15	256QAM	1	37	15.19	15.19	15.20	15.50
15	256QAM	1	74	15.24	15.12	15.11	15.50
15	256QAM	36	0	15.26	15.24	15.07	15.50
15	256QAM	36	20	15.24	15.15	15.21	15.50
15	256QAM	36	39	15.24	15.30	15.16	15.50
15	256QAM	75	0	15.24	15.24	15.14	15.50
Channel				132022	132322	132622	Tune-up limit



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Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	15.45	15.35	15.35	15.50
10	QPSK	1	25	15.39	15.33	15.35	15.50
10	QPSK	1	49	15.38	15.32	15.26	15.50
10	QPSK	25	0	15.34	15.32	15.38	15.50
10	QPSK	25	12	15.38	15.30	15.33	15.50
10	QPSK	25	25	15.31	15.34	15.21	15.50
10	QPSK	50	0	15.41	15.40	15.19	15.50
10	16QAM	1	0	15.29	15.28	15.33	15.50
10	16QAM	1	25	15.36	15.31	15.26	15.50
10	16QAM	1	49	15.31	15.32	15.15	15.50
10	16QAM	25	0	15.43	15.29	15.15	15.50
10	16QAM	25	12	15.26	15.26	15.22	15.50
10	16QAM	25	25	15.39	15.28	15.18	15.50
10	16QAM	50	0	15.37	15.38	15.19	15.50
10	64QAM	1	0	15.28	15.26	15.27	15.50
10	64QAM	1	25	15.34	15.34	15.12	15.50
10	64QAM	1	49	15.21	15.27	15.22	15.50
10	64QAM	25	0	15.31	15.33	15.17	15.50
10	64QAM	25	12	15.30	15.29	15.16	15.50
10	64QAM	25	25	15.37	15.33	15.11	15.50
10	64QAM	50	0	15.13	15.26	15.23	15.50
10	256QAM	1	0	15.32	15.29	15.18	15.50
10	256QAM	1	25	15.22	15.25	15.14	15.50
10	256QAM	1	49	15.29	15.19	15.13	15.50
10	256QAM	25	0	15.26	15.26	15.05	15.50
10	256QAM	25	12	15.18	15.22	15.20	15.50
10	256QAM	25	25	15.24	15.27	15.10	15.50
10	256QAM	50	0	15.30	15.18	15.14	15.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	15.46	15.39	15.33	15.50
5	QPSK	1	12	15.47	15.31	15.33	15.50
5	QPSK	1	24	15.33	15.26	15.31	15.50
5	QPSK	12	0	15.37	15.40	15.32	15.50
5	QPSK	12	7	15.30	15.37	15.32	15.50
5	QPSK	12	13	15.31	15.37	15.24	15.50
5	QPSK	25	0	15.37	15.39	15.22	15.50
5	16QAM	1	0	15.32	15.27	15.29	15.50
5	16QAM	1	12	15.35	15.27	15.21	15.50
5	16QAM	1	24	15.31	15.24	15.24	15.50
5	16QAM	12	0	15.36	15.31	15.16	15.50
5	16QAM	12	7	15.23	15.23	15.32	15.50
5	16QAM	12	13	15.33	15.35	15.20	15.50
5	16QAM	25	0	15.36	15.37	15.26	15.50
5	64QAM	1	0	15.25	15.36	15.25	15.50
5	64QAM	1	12	15.35	15.29	15.13	15.50
5	64QAM	1	24	15.27	15.31	15.18	15.50
5	64QAM	12	0	15.35	15.32	15.15	15.50
5	64QAM	12	7	15.37	15.28	15.22	15.50
5	64QAM	12	13	15.38	15.32	15.17	15.50
5	64QAM	25	0	15.13	15.28	15.17	15.50
5	256QAM	1	0	15.25	15.22	15.13	15.50
5	256QAM	1	12	15.23	15.26	15.20	15.50
5	256QAM	1	24	15.25	15.13	15.11	15.50
5	256QAM	12	0	15.16	15.19	15.08	15.50
5	256QAM	12	7	15.15	15.20	15.12	15.50
5	256QAM	12	13	15.31	15.29	15.09	15.50
5	256QAM	25	0	15.28	15.24	15.11	15.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	15.35	15.34	15.40	15.50
3	QPSK	1	8	15.44	15.36	15.29	15.50
3	QPSK	1	14	15.34	15.29	15.18	15.50
3	QPSK	8	0	15.34	15.38	15.34	15.50
3	QPSK	8	4	15.38	15.31	15.23	15.50
3	QPSK	8	7	15.34	15.26	15.27	15.50
3	QPSK	15	0	15.41	15.36	15.25	15.50
3	16QAM	1	0	15.32	15.26	15.25	15.50
3	16QAM	1	8	15.32	15.37	15.29	15.50
3	16QAM	1	14	15.22	15.25	15.18	15.50
3	16QAM	8	0	15.36	15.35	15.13	15.50
3	16QAM	8	4	15.25	15.20	15.35	15.50
3	16QAM	8	7	15.37	15.25	15.21	15.50
3	16QAM	15	0	15.46	15.28	15.23	15.50
3	64QAM	1	0	15.29	15.37	15.23	15.50
3	64QAM	1	8	15.27	15.32	15.19	15.50
3	64QAM	1	14	15.31	15.31	15.20	15.50

3	64QAM	8	0	15.29	15.30	15.12	15.50
3	64QAM	8	4	15.28	15.24	15.22	15.50
3	64QAM	8	7	15.30	15.35	15.18	15.50
3	64QAM	15	0	15.22	15.23	15.18	15.50
3	256QAM	1	0	15.32	15.24	15.26	15.50
3	256QAM	1	8	15.26	15.18	15.12	15.50
3	256QAM	1	14	15.21	15.19	15.05	15.50
3	256QAM	8	0	15.26	15.23	15.11	15.50
3	256QAM	8	4	15.15	15.21	15.17	15.50
3	256QAM	8	7	15.24	15.27	15.04	15.50
3	256QAM	15	0	15.29	15.23	15.14	15.50
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	15.48	15.40	15.37	15.50
1.4	QPSK	1	3	15.41	15.41	15.30	15.50
1.4	QPSK	1	5	15.40	15.35	15.27	15.50
1.4	QPSK	3	0	15.41	15.41	15.28	15.50
1.4	QPSK	3	1	15.38	15.28	15.25	15.50
1.4	QPSK	3	3	15.35	15.28	15.19	15.50
1.4	QPSK	6	0	15.36	15.37	15.17	15.50
1.4	16QAM	1	0	15.36	15.27	15.31	15.50
1.4	16QAM	1	3	15.30	15.33	15.24	15.50
1.4	16QAM	1	5	15.23	15.24	15.19	15.50
1.4	16QAM	3	0	15.32	15.37	15.15	15.50
1.4	16QAM	3	1	15.19	15.25	15.35	15.50
1.4	16QAM	3	3	15.31	15.33	15.24	15.50
1.4	16QAM	6	0	15.44	15.35	15.19	15.50
1.4	64QAM	1	0	15.36	15.27	15.30	15.50
1.4	64QAM	1	3	15.36	15.33	15.11	15.50
1.4	64QAM	1	5	15.27	15.24	15.32	15.50
1.4	64QAM	3	0	15.23	15.33	15.22	15.50
1.4	64QAM	3	1	15.32	15.34	15.27	15.50
1.4	64QAM	3	3	15.33	15.25	15.19	15.50
1.4	64QAM	6	0	15.23	15.24	15.18	15.50
1.4	256QAM	1	0	15.34	15.24	15.12	15.50
1.4	256QAM	1	3	15.28	15.21	15.14	15.50
1.4	256QAM	1	5	15.19	15.18	15.06	15.50
1.4	256QAM	3	0	15.29	15.18	15.15	15.50
1.4	256QAM	3	1	15.24	15.18	15.21	15.50
1.4	256QAM	3	3	15.18	15.32	15.17	15.50
1.4	256QAM	6	0	15.27	15.21	15.16	15.50

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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
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	12.78	12.57	12.54	12.80
20	QPSK	1	49	12.62	12.44	12.41	12.80
20	QPSK	1	99	12.56	12.41	12.36	12.80
20	QPSK	50	0	12.64	12.46	12.50	12.80
20	QPSK	50	24	12.54	12.43	12.37	12.80
20	QPSK	50	50	12.53	12.41	12.36	12.80
20	QPSK	100	0	12.56	12.43	12.43	12.80
20	16QAM	1	0	12.53	12.41	12.43	12.80
20	16QAM	1	49	12.53	12.40	12.35	12.80
20	16QAM	1	99	12.46	12.36	12.30	12.80
20	16QAM	50	0	12.59	12.41	12.44	12.80
20	16QAM	50	24	12.45	12.36	12.36	12.80
20	16QAM	50	50	12.53	12.41	12.42	12.80
20	16QAM	100	0	12.61	12.44	12.44	12.80
20	64QAM	1	0	12.52	12.40	12.34	12.80
20	64QAM	1	49	12.50	12.39	12.41	12.80
20	64QAM	1	99	12.45	12.35	12.35	12.80
20	64QAM	50	0	12.48	12.39	12.38	12.80
20	64QAM	50	24	12.50	12.38	12.32	12.80
20	64QAM	50	50	12.56	12.38	12.35	12.80
20	64QAM	100	0	12.40	12.31	12.35	12.80
20	256QAM	1	0	12.49	12.37	12.35	12.80
20	256QAM	1	49	12.45	12.31	12.36	12.80
20	256QAM	1	99	12.43	12.36	12.37	12.80
20	256QAM	50	0	12.42	12.39	12.33	12.80
20	256QAM	50	24	12.41	12.38	12.37	12.80
20	256QAM	50	50	12.45	12.34	12.31	12.80
20	256QAM	100	0	12.44	12.30	12.35	12.80
Channel				132047	132322	132597	Tune-up limit



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Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	12.69	12.42	12.42	12.80
15	QPSK	1	37	12.55	12.40	12.29	12.80
15	QPSK	1	74	12.54	12.30	12.29	12.80
15	QPSK	36	0	12.62	12.41	12.37	12.80
15	QPSK	36	20	12.48	12.40	12.23	12.80
15	QPSK	36	39	12.41	12.35	12.32	12.80
15	QPSK	75	0	12.48	12.41	12.40	12.80
15	16QAM	1	0	12.43	12.30	12.37	12.80
15	16QAM	1	37	12.41	12.39	12.25	12.80
15	16QAM	1	74	12.33	12.29	12.21	12.80
15	16QAM	36	0	12.44	12.29	12.33	12.80
15	16QAM	36	20	12.32	12.27	12.33	12.80
15	16QAM	36	39	12.42	12.30	12.35	12.80
15	16QAM	75	0	12.58	12.41	12.39	12.80
15	64QAM	1	0	12.50	12.27	12.24	12.80
15	64QAM	1	37	12.37	12.28	12.26	12.80
15	64QAM	1	74	12.38	12.24	12.30	12.80
15	64QAM	36	0	12.39	12.25	12.26	12.80
15	64QAM	36	20	12.41	12.33	12.20	12.80
15	64QAM	36	39	12.44	12.35	12.22	12.80
15	64QAM	75	0	12.33	12.20	12.34	12.80
15	256QAM	1	0	12.43	12.29	12.28	12.80
15	256QAM	1	37	12.44	12.27	12.30	12.80
15	256QAM	1	74	12.28	12.32	12.23	12.80
15	256QAM	36	0	12.29	12.34	12.26	12.80
15	256QAM	36	20	12.38	12.33	12.31	12.80
15	256QAM	36	39	12.42	12.22	12.21	12.80
15	256QAM	75	0	12.29	12.27	12.32	12.80
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	12.68	12.42	12.43	12.80
10	QPSK	1	25	12.50	12.41	12.39	12.80
10	QPSK	1	49	12.43	12.34	12.34	12.80
10	QPSK	25	0	12.59	12.35	12.41	12.80
10	QPSK	25	12	12.53	12.36	12.31	12.80
10	QPSK	25	25	12.43	12.29	12.26	12.80
10	QPSK	50	0	12.53	12.29	12.39	12.80
10	16QAM	1	0	12.40	12.39	12.34	12.80
10	16QAM	1	25	12.48	12.33	12.32	12.80
10	16QAM	1	49	12.44	12.28	12.24	12.80
10	16QAM	25	0	12.55	12.36	12.33	12.80
10	16QAM	25	12	12.31	12.35	12.24	12.80
10	16QAM	25	25	12.45	12.34	12.28	12.80
10	16QAM	50	0	12.59	12.35	12.43	12.80
10	64QAM	1	0	12.48	12.37	12.21	12.80
10	64QAM	1	25	12.40	12.27	12.37	12.80
10	64QAM	1	49	12.38	12.33	12.27	12.80
10	64QAM	25	0	12.46	12.36	12.29	12.80
10	64QAM	25	12	12.48	12.27	12.29	12.80
10	64QAM	25	25	12.45	12.30	12.33	12.80
10	64QAM	50	0	12.28	12.19	12.25	12.80
10	256QAM	1	0	12.47	12.26	12.30	12.80
10	256QAM	1	25	12.39	12.17	12.21	12.80
10	256QAM	1	49	12.35	12.30	12.25	12.80
10	256QAM	25	0	12.35	12.28	12.27	12.80
10	256QAM	25	12	12.38	12.34	12.27	12.80
10	256QAM	25	25	12.36	12.31	12.18	12.80
10	256QAM	50	0	12.36	12.28	12.26	12.80
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	12.66	12.50	12.48	12.80
5	QPSK	1	12	12.60	12.37	12.37	12.80
5	QPSK	1	24	12.50	12.28	12.34	12.80
5	QPSK	12	0	12.50	12.42	12.36	12.80
5	QPSK	12	7	12.39	12.32	12.28	12.80
5	QPSK	12	13	12.52	12.28	12.30	12.80
5	QPSK	25	0	12.41	12.38	12.35	12.80
5	16QAM	1	0	12.49	12.26	12.29	12.80
5	16QAM	1	12	12.46	12.34	12.22	12.80
5	16QAM	1	24	12.35	12.26	12.24	12.80
5	16QAM	12	0	12.45	12.28	12.42	12.80
5	16QAM	12	7	12.34	12.34	12.26	12.80
5	16QAM	12	13	12.43	12.34	12.34	12.80
5	16QAM	25	0	12.50	12.32	12.35	12.80
5	64QAM	1	0	12.43	12.28	12.22	12.80
5	64QAM	1	12	12.44	12.34	12.28	12.80
5	64QAM	1	24	12.44	12.33	12.25	12.80



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5	64QAM	12	0	12.34	12.25	12.33	12.80
5	64QAM	12	7	12.36	12.30	12.27	12.80
5	64QAM	12	13	12.45	12.33	12.30	12.80
5	64QAM	25	0	12.27	12.29	12.23	12.80
5	256QAM	1	0	12.44	12.33	12.25	12.80
5	256QAM	1	12	12.36	12.29	12.34	12.80
5	256QAM	1	24	12.42	12.34	12.26	12.80
5	256QAM	12	0	12.30	12.37	12.30	12.80
5	256QAM	12	7	12.33	12.26	12.26	12.80
5	256QAM	12	13	12.30	12.21	12.29	12.80
5	256QAM	25	0	12.35	12.24	12.30	12.80
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	12.72	12.51	12.42	12.80
3	QPSK	1	8	12.56	12.35	12.34	12.80
3	QPSK	1	14	12.49	12.40	12.34	12.80
3	QPSK	8	0	12.60	12.44	12.36	12.80
3	QPSK	8	4	12.50	12.37	12.30	12.80
3	QPSK	8	7	12.51	12.38	12.27	12.80
3	QPSK	15	0	12.41	12.33	12.40	12.80
3	16QAM	1	0	12.43	12.40	12.36	12.80
3	16QAM	1	8	12.49	12.26	12.32	12.80
3	16QAM	1	14	12.33	12.30	12.18	12.80
3	16QAM	8	0	12.53	12.30	12.32	12.80
3	16QAM	8	4	12.31	12.27	12.24	12.80
3	16QAM	8	7	12.40	12.28	12.28	12.80
3	16QAM	15	0	12.52	12.32	12.34	12.80
3	64QAM	1	0	12.43	12.36	12.28	12.80
3	64QAM	1	8	12.49	12.28	12.27	12.80
3	64QAM	1	14	12.31	12.26	12.24	12.80
3	64QAM	8	0	12.34	12.35	12.32	12.80
3	64QAM	8	4	12.35	12.34	12.27	12.80
3	64QAM	8	7	12.55	12.35	12.31	12.80
3	64QAM	15	0	12.30	12.28	12.32	12.80
3	256QAM	1	0	12.44	12.25	12.29	12.80
3	256QAM	1	8	12.34	12.26	12.34	12.80
3	256QAM	1	14	12.31	12.29	12.35	12.80
3	256QAM	8	0	12.31	12.29	12.21	12.80
3	256QAM	8	4	12.28	12.36	12.27	12.80
3	256QAM	8	7	12.34	12.31	12.28	12.80
3	256QAM	15	0	12.38	12.17	12.30	12.80
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	12.74	12.55	12.39	12.80
1.4	QPSK	1	3	12.48	12.37	12.37	12.80
1.4	QPSK	1	5	12.53	12.37	12.27	12.80
1.4	QPSK	3	0	12.53	12.33	12.36	12.80
1.4	QPSK	3	1	12.44	12.36	12.32	12.80
1.4	QPSK	3	3	12.41	12.34	12.29	12.80
1.4	QPSK	6	0	12.47	12.29	12.39	12.80
1.4	16QAM	1	0	12.40	12.32	12.35	12.80
1.4	16QAM	1	3	12.45	12.30	12.21	12.80
1.4	16QAM	1	5	12.44	12.28	12.19	12.80
1.4	16QAM	3	0	12.45	12.30	12.32	12.80
1.4	16QAM	3	1	12.42	12.30	12.22	12.80
1.4	16QAM	3	3	12.51	12.35	12.39	12.80
1.4	16QAM	6	0	12.55	12.38	12.30	12.80
1.4	64QAM	1	0	12.43	12.31	12.26	12.80
1.4	64QAM	1	3	12.36	12.26	12.39	12.80
1.4	64QAM	1	5	12.42	12.28	12.30	12.80
1.4	64QAM	3	0	12.45	12.30	12.27	12.80
1.4	64QAM	3	1	12.44	12.33	12.30	12.80
1.4	64QAM	3	3	12.51	12.33	12.31	12.80
1.4	64QAM	6	0	12.26	12.29	12.27	12.80
1.4	256QAM	1	0	12.43	12.35	12.22	12.80
1.4	256QAM	1	3	12.43	12.27	12.25	12.80
1.4	256QAM	1	5	12.31	12.32	12.26	12.80
1.4	256QAM	3	0	12.40	12.28	12.27	12.80
1.4	256QAM	3	1	12.39	12.25	12.25	12.80
1.4	256QAM	3	3	12.43	12.21	12.20	12.80
1.4	256QAM	6	0	12.37	12.23	12.26	12.80

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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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.50	17.48	17.39	17.50
20	QPSK	1	49	17.42	17.35	17.26	17.50
20	QPSK	1	99	17.36	17.32	17.21	17.50
20	QPSK	50	0	17.44	17.37	17.35	17.50
20	QPSK	50	24	17.34	17.34	17.22	17.50
20	QPSK	50	50	17.33	17.32	17.21	17.50
20	QPSK	100	0	17.36	17.34	17.28	17.50
20	16QAM	1	0	17.33	17.32	17.28	17.50
20	16QAM	1	49	17.33	17.31	17.20	17.50
20	16QAM	1	99	17.26	17.27	17.15	17.50
20	16QAM	50	0	17.39	17.32	17.29	17.50
20	16QAM	50	24	17.25	17.27	17.21	17.50
20	16QAM	50	50	17.33	17.32	17.27	17.50
20	16QAM	100	0	17.41	17.35	17.29	17.50
20	64QAM	1	0	17.32	17.31	17.19	17.50
20	64QAM	1	49	17.30	17.30	17.26	17.50
20	64QAM	1	99	17.25	17.26	17.20	17.50
20	64QAM	50	0	17.28	17.30	17.23	17.50
20	64QAM	50	24	17.30	17.29	17.17	17.50
20	64QAM	50	50	17.36	17.29	17.20	17.50
20	64QAM	100	0	17.20	17.22	17.20	17.50
20	256QAM	1	0	17.29	17.28	17.20	17.50
20	256QAM	1	49	17.25	17.22	17.11	17.50
20	256QAM	1	99	17.23	17.17	17.12	17.50
20	256QAM	50	0	17.22	17.20	17.18	17.50
20	256QAM	50	24	17.21	17.19	17.12	17.50
20	256QAM	50	50	17.25	17.25	17.16	17.50
20	256QAM	100	0	17.24	17.21	17.10	17.50
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.39	17.38	17.31	17.50
15	QPSK	1	37	17.35	17.23	17.21	17.50
15	QPSK	1	74	17.27	17.30	17.20	17.50
15	QPSK	36	0	17.33	17.32	17.27	17.50
15	QPSK	36	20	17.27	17.20	17.12	17.50
15	QPSK	36	39	17.26	17.19	17.07	17.50
15	QPSK	75	0	17.35	17.29	17.20	17.50
15	16QAM	1	0	17.29	17.22	17.18	17.50
15	16QAM	1	37	17.26	17.24	17.16	17.50
15	16QAM	1	74	17.18	17.13	17.13	17.50
15	16QAM	36	0	17.36	17.26	17.22	17.50
15	16QAM	36	20	17.15	17.12	17.12	17.50
15	16QAM	36	39	17.28	17.28	17.14	17.50
15	16QAM	75	0	17.40	17.23	17.26	17.50
15	64QAM	1	0	17.27	17.26	17.04	17.50
15	64QAM	1	37	17.23	17.21	17.23	17.50
15	64QAM	1	74	17.11	17.14	17.17	17.50
15	64QAM	36	0	17.23	17.22	17.20	17.50
15	64QAM	36	20	17.28	17.27	17.04	17.50
15	64QAM	36	39	17.29	17.21	17.09	17.50
15	64QAM	75	0	17.13	17.14	17.05	17.50
15	256QAM	1	0	17.15	17.25	17.10	17.50
15	256QAM	1	37	17.15	17.10	17.05	17.50
15	256QAM	1	74	17.21	17.06	17.04	17.50
15	256QAM	36	0	17.20	17.18	17.11	17.50
15	256QAM	36	20	17.18	17.15	17.01	17.50
15	256QAM	36	39	17.10	17.24	17.03	17.50
15	256QAM	75	0	17.20	17.18	17.07	17.50
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.46	17.40	17.27	17.50
10	QPSK	1	25	17.38	17.28	17.14	17.50
10	QPSK	1	49	17.28	17.18	17.10	17.50
10	QPSK	25	0	17.35	17.23	17.30	17.50
10	QPSK	25	12	17.25	17.26	17.15	17.50
10	QPSK	25	25	17.26	17.27	17.18	17.50
10	QPSK	50	0	17.25	17.30	17.19	17.50
10	16QAM	1	0	17.27	17.25	17.14	17.50
10	16QAM	1	25	17.19	17.28	17.05	17.50
10	16QAM	1	49	17.23	17.26	17.12	17.50
10	16QAM	25	0	17.28	17.22	17.21	17.50



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10	16QAM	25	12	17.20	17.26	17.09	17.50
10	16QAM	25	25	17.28	17.29	17.22	17.50
10	16QAM	50	0	17.39	17.22	17.17	17.50
10	64QAM	1	0	17.25	17.28	17.07	17.50
10	64QAM	1	25	17.15	17.28	17.18	17.50
10	64QAM	1	49	17.11	17.19	17.11	17.50
10	64QAM	25	0	17.16	17.16	17.10	17.50
10	64QAM	25	12	17.27	17.25	17.03	17.50
10	64QAM	25	25	17.31	17.14	17.07	17.50
10	64QAM	50	0	17.09	17.13	17.11	17.50
10	256QAM	1	0	17.15	17.14	17.15	17.50
10	256QAM	1	25	17.19	17.13	17.08	17.50
10	256QAM	1	49	17.17	17.06	16.97	17.50
10	256QAM	25	0	17.18	17.12	17.07	17.50
10	256QAM	25	12	17.11	17.12	17.08	17.50
10	256QAM	25	25	17.22	17.22	17.11	17.50
10	256QAM	50	0	17.23	17.10	17.02	17.50
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.49	17.36	17.29	17.50
5	QPSK	1	12	17.40	17.25	17.19	17.50
5	QPSK	1	24	17.22	17.18	17.10	17.50
5	QPSK	12	0	17.31	17.30	17.32	17.50
5	QPSK	12	7	17.26	17.23	17.12	17.50
5	QPSK	12	13	17.18	17.29	17.16	17.50
5	QPSK	25	0	17.28	17.25	17.15	17.50
5	16QAM	1	0	17.20	17.27	17.23	17.50
5	16QAM	1	12	17.24	17.19	17.10	17.50
5	16QAM	1	24	17.22	17.14	17.10	17.50
5	16QAM	12	0	17.28	17.27	17.15	17.50
5	16QAM	12	7	17.23	17.21	17.11	17.50
5	16QAM	12	13	17.18	17.19	17.15	17.50
5	16QAM	25	0	17.37	17.33	17.27	17.50
5	64QAM	1	0	17.21	17.19	17.14	17.50
5	64QAM	1	12	17.25	17.19	17.17	17.50
5	64QAM	1	24	17.12	17.19	17.16	17.50
5	64QAM	12	0	17.24	17.21	17.14	17.50
5	64QAM	12	7	17.15	17.17	17.08	17.50
5	64QAM	12	13	17.25	17.26	17.18	17.50
5	64QAM	25	0	17.18	17.11	17.06	17.50
5	256QAM	1	0	17.23	17.21	17.12	17.50
5	256QAM	1	12	17.20	17.20	16.99	17.50
5	256QAM	1	24	17.20	17.10	17.07	17.50
5	256QAM	12	0	17.19	17.06	17.13	17.50
5	256QAM	12	7	17.13	17.07	17.00	17.50
5	256QAM	12	13	17.17	17.13	17.09	17.50
5	256QAM	25	0	17.14	17.11	16.99	17.50
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.43	17.42	17.30	17.50
3	QPSK	1	8	17.37	17.30	17.15	17.50
3	QPSK	1	14	17.27	17.30	17.13	17.50
3	QPSK	8	0	17.39	17.27	17.33	17.50
3	QPSK	8	4	17.28	17.25	17.17	17.50
3	QPSK	8	7	17.24	17.19	17.17	17.50
3	QPSK	15	0	17.28	17.20	17.18	17.50
3	16QAM	1	0	17.29	17.28	17.16	17.50
3	16QAM	1	8	17.30	17.30	17.15	17.50
3	16QAM	1	14	17.22	17.12	17.04	17.50
3	16QAM	8	0	17.28	17.25	17.26	17.50
3	16QAM	8	4	17.23	17.18	17.13	17.50
3	16QAM	8	7	17.27	17.20	17.25	17.50
3	16QAM	15	0	17.35	17.21	17.17	17.50
3	64QAM	1	0	17.22	17.28	17.09	17.50
3	64QAM	1	8	17.29	17.17	17.20	17.50
3	64QAM	1	14	17.20	17.17	17.12	17.50
3	64QAM	8	0	17.23	17.24	17.16	17.50
3	64QAM	8	4	17.22	17.27	17.10	17.50
3	64QAM	8	7	17.25	17.14	17.17	17.50
3	64QAM	15	0	17.11	17.17	17.13	17.50
3	256QAM	1	0	17.26	17.19	17.17	17.50
3	256QAM	1	8	17.12	17.13	17.00	17.50
3	256QAM	1	14	17.16	17.03	17.02	17.50
3	256QAM	8	0	17.15	17.14	17.03	17.50
3	256QAM	8	4	17.07	17.14	17.10	17.50
3	256QAM	8	7	17.17	17.12	17.08	17.50
3	256QAM	15	0	17.16	17.14	16.97	17.50
Channel				131979	132322	132665	Tune-up limit

Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	17.37	17.44	17.30	17.50
1.4	QPSK	1	3	17.38	17.28	17.24	17.50
1.4	QPSK	1	5	17.30	17.20	17.17	17.50
1.4	QPSK	3	0	17.32	17.35	17.26	17.50
1.4	QPSK	3	1	17.28	17.28	17.17	17.50
1.4	QPSK	3	3	17.18	17.22	17.14	17.50
1.4	QPSK	6	0	17.22	17.22	17.21	17.50
1.4	16QAM	1	0	17.32	17.24	17.16	17.50
1.4	16QAM	1	3	17.27	17.21	17.07	17.50
1.4	16QAM	1	5	17.17	17.22	17.08	17.50
1.4	16QAM	3	0	17.30	17.18	17.26	17.50
1.4	16QAM	3	1	17.15	17.13	17.07	17.50
1.4	16QAM	3	3	17.21	17.28	17.24	17.50
1.4	16QAM	6	0	17.30	17.28	17.22	17.50
1.4	64QAM	1	0	17.26	17.24	17.13	17.50
1.4	64QAM	1	3	17.25	17.24	17.18	17.50
1.4	64QAM	1	5	17.13	17.17	17.13	17.50
1.4	64QAM	3	0	17.27	17.15	17.11	17.50
1.4	64QAM	3	1	17.18	17.22	17.10	17.50
1.4	64QAM	3	3	17.33	17.27	17.08	17.50
1.4	64QAM	6	0	17.15	17.14	17.12	17.50
1.4	256QAM	1	0	17.17	17.16	17.05	17.50
1.4	256QAM	1	3	17.13	17.20	16.99	17.50
1.4	256QAM	1	5	17.13	17.05	17.01	17.50
1.4	256QAM	3	0	17.20	17.10	17.07	17.50
1.4	256QAM	3	1	17.14	17.04	17.10	17.50
1.4	256QAM	3	3	17.18	17.13	17.05	17.50
1.4	256QAM	6	0	17.16	17.13	17.00	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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	17.50	17.48	17.39	18.70
20	QPSK	1	49	17.42	17.35	17.26	18.70
20	QPSK	1	99	17.36	17.32	17.21	18.70
20	QPSK	50	0	17.44	17.37	17.35	18.70
20	QPSK	50	24	17.34	17.34	17.22	18.70
20	QPSK	50	50	17.33	17.32	17.21	18.70
20	QPSK	100	0	17.36	17.34	17.28	18.70
20	16QAM	1	0	17.33	17.32	17.28	18.70
20	16QAM	1	49	17.33	17.31	17.20	18.70
20	16QAM	1	99	17.26	17.27	17.15	18.70
20	16QAM	50	0	17.39	17.32	17.29	18.70
20	16QAM	50	24	17.25	17.27	17.21	18.70
20	16QAM	50	50	17.33	17.32	17.27	18.70
20	16QAM	100	0	17.41	17.35	17.29	18.70
20	64QAM	1	0	17.32	17.31	17.19	18.70
20	64QAM	1	49	17.30	17.30	17.26	18.70
20	64QAM	1	99	17.25	17.26	17.20	18.70
20	64QAM	50	0	17.28	17.30	17.23	18.70
20	64QAM	50	24	17.30	17.29	17.17	18.70
20	64QAM	50	50	17.36	17.29	17.20	18.70
20	64QAM	100	0	17.20	17.22	17.20	18.70
20	256QAM	1	0	17.29	17.28	17.20	18.70
20	256QAM	1	49	17.25	17.22	17.11	18.70
20	256QAM	1	99	17.23	17.17	17.12	18.70
20	256QAM	50	0	17.22	17.20	17.18	18.70
20	256QAM	50	24	17.21	17.19	17.12	18.70
20	256QAM	50	50	17.25	17.25	17.16	18.70
20	256QAM	100	0	17.24	17.21	17.10	18.70
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.39	17.38	17.31	18.70
15	QPSK	1	37	17.35	17.23	17.21	18.70
15	QPSK	1	74	17.27	17.30	17.20	18.70
15	QPSK	36	0	17.33	17.32	17.27	18.70
15	QPSK	36	20	17.27	17.20	17.12	18.70
15	QPSK	36	39	17.26	17.19	17.07	18.70
15	QPSK	75	0	17.35	17.29	17.20	18.70
15	16QAM	1	0	17.29	17.22	17.18	18.70
15	16QAM	1	37	17.26	17.24	17.16	18.70
15	16QAM	1	74	17.18	17.13	17.13	18.70
15	16QAM	36	0	17.36	17.26	17.22	18.70



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15	16QAM	36	20	17.15	17.12	17.12	18.70
15	16QAM	36	39	17.28	17.28	17.14	18.70
15	16QAM	75	0	17.40	17.23	17.26	18.70
15	64QAM	1	0	17.27	17.26	17.04	18.70
15	64QAM	1	37	17.23	17.21	17.23	18.70
15	64QAM	1	74	17.11	17.14	17.17	18.70
15	64QAM	36	0	17.23	17.22	17.20	18.70
15	64QAM	36	20	17.28	17.27	17.04	18.70
15	64QAM	36	39	17.29	17.21	17.09	18.70
15	64QAM	75	0	17.13	17.14	17.05	18.70
15	256QAM	1	0	17.15	17.25	17.10	18.70
15	256QAM	1	37	17.15	17.10	17.05	18.70
15	256QAM	1	74	17.21	17.06	17.04	18.70
15	256QAM	36	0	17.20	17.18	17.11	18.70
15	256QAM	36	20	17.18	17.15	17.01	18.70
15	256QAM	36	39	17.10	17.24	17.03	18.70
15	256QAM	75	0	17.20	17.18	17.07	18.70
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	17.46	17.40	17.27	18.70
10	QPSK	1	25	17.38	17.28	17.14	18.70
10	QPSK	1	49	17.28	17.18	17.10	18.70
10	QPSK	25	0	17.35	17.23	17.30	18.70
10	QPSK	25	12	17.25	17.26	17.15	18.70
10	QPSK	25	25	17.26	17.27	17.18	18.70
10	QPSK	50	0	17.25	17.30	17.19	18.70
10	16QAM	1	0	17.27	17.25	17.14	18.70
10	16QAM	1	25	17.19	17.28	17.05	18.70
10	16QAM	1	49	17.23	17.26	17.12	18.70
10	16QAM	25	0	17.28	17.22	17.21	18.70
10	16QAM	25	12	17.20	17.26	17.09	18.70
10	16QAM	25	25	17.28	17.29	17.22	18.70
10	16QAM	50	0	17.39	17.22	17.17	18.70
10	64QAM	1	0	17.25	17.28	17.07	18.70
10	64QAM	1	25	17.15	17.28	17.18	18.70
10	64QAM	1	49	17.11	17.19	17.11	18.70
10	64QAM	25	0	17.16	17.16	17.10	18.70
10	64QAM	25	12	17.27	17.25	17.03	18.70
10	64QAM	25	25	17.31	17.14	17.07	18.70
10	64QAM	50	0	17.09	17.13	17.11	18.70
10	256QAM	1	0	17.15	17.14	17.15	18.70
10	256QAM	1	25	17.19	17.13	17.08	18.70
10	256QAM	1	49	17.17	17.06	16.97	18.70
10	256QAM	25	0	17.18	17.12	17.07	18.70
10	256QAM	25	12	17.11	17.12	17.08	18.70
10	256QAM	25	25	17.22	17.22	17.11	18.70
10	256QAM	50	0	17.23	17.10	17.02	18.70
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	17.49	17.36	17.29	18.70
5	QPSK	1	12	17.40	17.25	17.19	18.70
5	QPSK	1	24	17.22	17.18	17.10	18.70
5	QPSK	12	0	17.31	17.30	17.32	18.70
5	QPSK	12	7	17.26	17.23	17.12	18.70
5	QPSK	12	13	17.18	17.29	17.16	18.70
5	QPSK	25	0	17.28	17.25	17.15	18.70
5	16QAM	1	0	17.20	17.27	17.23	18.70
5	16QAM	1	12	17.24	17.19	17.10	18.70
5	16QAM	1	24	17.22	17.14	17.10	18.70
5	16QAM	12	0	17.28	17.27	17.15	18.70
5	16QAM	12	7	17.23	17.21	17.11	18.70
5	16QAM	12	13	17.18	17.19	17.15	18.70
5	16QAM	25	0	17.37	17.33	17.27	18.70
5	64QAM	1	0	17.21	17.19	17.14	18.70
5	64QAM	1	12	17.25	17.19	17.17	18.70
5	64QAM	1	24	17.12	17.19	17.16	18.70
5	64QAM	12	0	17.24	17.21	17.14	18.70
5	64QAM	12	7	17.15	17.17	17.08	18.70
5	64QAM	12	13	17.25	17.26	17.18	18.70
5	64QAM	25	0	17.18	17.11	17.06	18.70
5	256QAM	1	0	17.23	17.21	17.12	18.70
5	256QAM	1	12	17.20	17.20	16.99	18.70
5	256QAM	1	24	17.20	17.10	17.07	18.70
5	256QAM	12	0	17.19	17.06	17.13	18.70
5	256QAM	12	7	17.13	17.07	17.00	18.70
5	256QAM	12	13	17.17	17.13	17.09	18.70
5	256QAM	25	0	17.14	17.11	16.99	18.70
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.43	17.42	17.30	18.70
3	QPSK	1	8	17.37	17.30	17.15	18.70
3	QPSK	1	14	17.27	17.30	17.13	18.70
3	QPSK	8	0	17.39	17.27	17.33	18.70
3	QPSK	8	4	17.28	17.25	17.17	18.70
3	QPSK	8	7	17.24	17.19	17.17	18.70
3	QPSK	15	0	17.28	17.20	17.18	18.70
3	16QAM	1	0	17.29	17.28	17.16	18.70
3	16QAM	1	8	17.30	17.30	17.15	18.70
3	16QAM	1	14	17.22	17.12	17.04	18.70
3	16QAM	8	0	17.28	17.25	17.26	18.70
3	16QAM	8	4	17.23	17.18	17.13	18.70
3	16QAM	8	7	17.27	17.20	17.25	18.70
3	16QAM	15	0	17.35	17.21	17.17	18.70
3	64QAM	1	0	17.22	17.28	17.09	18.70
3	64QAM	1	8	17.29	17.17	17.20	18.70
3	64QAM	1	14	17.20	17.17	17.12	18.70
3	64QAM	8	0	17.23	17.24	17.16	18.70
3	64QAM	8	4	17.22	17.27	17.10	18.70
3	64QAM	8	7	17.25	17.14	17.17	18.70
3	64QAM	15	0	17.11	17.17	17.13	18.70
3	256QAM	1	0	17.26	17.19	17.17	18.70
3	256QAM	1	8	17.12	17.13	17.00	18.70
3	256QAM	1	14	17.16	17.03	17.02	18.70
3	256QAM	8	0	17.15	17.14	17.03	18.70
3	256QAM	8	4	17.07	17.14	17.10	18.70
3	256QAM	8	7	17.17	17.12	17.08	18.70
3	256QAM	15	0	17.16	17.14	16.97	18.70
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.37	17.44	17.30	18.70
1.4	QPSK	1	3	17.38	17.28	17.24	18.70
1.4	QPSK	1	5	17.30	17.20	17.17	18.70
1.4	QPSK	3	0	17.32	17.35	17.26	18.70
1.4	QPSK	3	1	17.28	17.28	17.17	18.70
1.4	QPSK	3	3	17.18	17.22	17.14	18.70
1.4	QPSK	6	0	17.22	17.22	17.21	18.70
1.4	16QAM	1	0	17.32	17.24	17.16	18.70
1.4	16QAM	1	3	17.27	17.21	17.07	18.70
1.4	16QAM	1	5	17.17	17.22	17.08	18.70
1.4	16QAM	3	0	17.30	17.18	17.26	18.70
1.4	16QAM	3	1	17.15	17.13	17.07	18.70
1.4	16QAM	3	3	17.21	17.28	17.24	18.70
1.4	16QAM	6	0	17.30	17.28	17.22	18.70
1.4	64QAM	1	0	17.26	17.24	17.13	18.70
1.4	64QAM	1	3	17.25	17.24	17.18	18.70
1.4	64QAM	1	5	17.13	17.17	17.13	18.70
1.4	64QAM	3	0	17.27	17.15	17.11	18.70
1.4	64QAM	3	1	17.18	17.22	17.10	18.70
1.4	64QAM	3	3	17.33	17.27	17.08	18.70
1.4	64QAM	6	0	17.15	17.14	17.12	18.70
1.4	256QAM	1	0	17.17	17.16	17.05	18.70
1.4	256QAM	1	3	17.13	17.20	16.99	18.70
1.4	256QAM	1	5	17.13	17.05	17.01	18.70
1.4	256QAM	3	0	17.20	17.10	17.07	18.70
1.4	256QAM	3	1	17.14	17.04	17.10	18.70
1.4	256QAM	3	3	17.18	17.13	17.05	18.70
1.4	256QAM	6	0	17.16	17.13	17.00	18.70

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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.33	24.29	24.25	25.20
20	QPSK	1	49	24.03	24.22	24.04	25.20
20	QPSK	1	99	24.22	24.20	24.14	25.20
20	QPSK	50	0	23.60	23.55	23.48	24.20
20	QPSK	50	24	23.51	23.53	23.47	24.20
20	QPSK	50	50	23.51	23.47	23.45	24.20
20	QPSK	100	0	23.56	23.50	23.44	24.20
20	16QAM	1	0	23.78	23.85	23.81	24.20
20	16QAM	1	49	23.81	23.87	23.87	24.20
20	16QAM	1	99	23.84	23.86	23.69	24.20
20	16QAM	50	0	22.61	22.52	22.48	23.20



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20	16QAM	50	24	22.56	22.49	22.48	23.20
20	16QAM	50	50	22.53	22.50	22.48	23.20
20	16QAM	100	0	22.55	22.51	22.50	23.20
20	64QAM	1	0	22.82	22.70	22.66	23.20
20	64QAM	1	49	22.82	22.77	22.78	23.20
20	64QAM	1	99	22.74	22.67	22.64	23.20
20	64QAM	50	0	21.58	21.53	21.50	22.20
20	64QAM	50	24	21.52	21.45	21.45	22.20
20	64QAM	50	50	21.49	21.48	21.49	22.20
20	64QAM	100	0	21.53	21.54	21.48	22.20
20	256QAM	1	0	19.78	19.57	19.67	20.20
20	256QAM	1	49	19.31	19.30	19.28	20.20
20	256QAM	1	99	19.59	19.62	19.58	20.20
20	256QAM	50	0	19.50	19.52	19.47	20.20
20	256QAM	50	24	19.48	19.49	19.45	20.20
20	256QAM	50	50	19.43	19.39	19.43	20.20
20	256QAM	100	0	19.54	19.51	19.46	20.20
Channel				132047	132322	132597	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	24.23	24.18	24.14	25.20
15	QPSK	1	37	23.96	24.13	23.98	25.20
15	QPSK	1	74	24.09	24.15	24.05	25.20
15	QPSK	36	0	23.40	23.50	23.42	24.20
15	QPSK	36	20	23.48	23.43	23.36	24.20
15	QPSK	36	39	23.37	23.41	23.43	24.20
15	QPSK	75	0	23.47	23.37	23.41	24.20
15	16QAM	1	0	23.68	23.71	23.68	24.20
15	16QAM	1	37	23.68	23.76	23.77	24.20
15	16QAM	1	74	23.75	23.77	23.68	24.20
15	16QAM	36	0	22.55	22.41	22.46	23.20
15	16QAM	36	20	22.52	22.40	22.33	23.20
15	16QAM	36	39	22.40	22.48	22.38	23.20
15	16QAM	75	0	22.48	22.40	22.39	23.20
15	64QAM	1	0	22.67	22.56	22.59	23.20
15	64QAM	1	37	22.79	22.65	22.76	23.20
15	64QAM	1	74	22.68	22.64	22.55	23.20
15	64QAM	36	0	21.56	21.45	21.47	22.20
15	64QAM	36	20	21.46	21.33	21.38	22.20
15	64QAM	36	39	21.42	21.37	21.40	22.20
15	64QAM	75	0	21.41	21.50	21.38	22.20
15	256QAM	1	0	19.64	19.44	19.61	20.20
15	256QAM	1	37	19.19	19.22	19.21	20.20
15	256QAM	1	74	19.55	19.58	19.49	20.20
15	256QAM	36	0	19.47	19.38	19.38	20.20
15	256QAM	36	20	19.46	19.45	19.37	20.20
15	256QAM	36	39	19.33	19.25	19.31	20.20
15	256QAM	75	0	19.46	19.37	19.43	20.20
Channel				132022	132322	132622	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	24.27	24.27	24.14	25.20
10	QPSK	1	25	23.98	24.12	23.89	25.20
10	QPSK	1	49	24.21	24.13	24.12	25.20
10	QPSK	25	0	23.36	23.50	23.47	24.20
10	QPSK	25	12	23.48	23.50	23.36	24.20
10	QPSK	25	25	23.49	23.34	23.41	24.20
10	QPSK	50	0	23.48	23.35	23.36	24.20
10	16QAM	1	0	23.70	23.71	23.68	24.20
10	16QAM	1	25	23.67	23.81	23.80	24.20
10	16QAM	1	49	23.75	23.73	23.60	24.20
10	16QAM	25	0	22.51	22.49	22.42	23.20
10	16QAM	25	12	22.52	22.42	22.37	23.20
10	16QAM	25	25	22.51	22.38	22.46	23.20
10	16QAM	50	0	22.54	22.49	22.46	23.20
10	64QAM	1	0	22.72	22.63	22.53	23.20
10	64QAM	1	25	22.79	22.68	22.76	23.20
10	64QAM	1	49	22.61	22.58	22.57	23.20
10	64QAM	25	0	21.51	21.48	21.37	22.20
10	64QAM	25	12	21.44	21.35	21.34	22.20
10	64QAM	25	25	21.44	21.39	21.48	22.20
10	64QAM	50	0	21.50	21.50	21.42	22.20
10	256QAM	1	0	19.75	19.44	19.54	20.20
10	256QAM	1	25	19.28	19.20	19.16	20.20
10	256QAM	1	49	19.56	19.51	19.48	20.20
10	256QAM	25	0	19.40	19.42	19.44	20.20
10	256QAM	25	12	19.45	19.40	19.42	20.20
10	256QAM	25	25	19.31	19.30	19.42	20.20
10	256QAM	50	0	19.41	19.37	19.44	20.20
Channel				131997	132322	132647	Tune-up limit



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Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	24.20	24.27	24.20	25.20
5	QPSK	1	12	23.91	24.15	23.90	25.20
5	QPSK	1	24	24.07	24.14	24.04	25.20
5	QPSK	12	0	23.45	23.48	23.38	24.20
5	QPSK	12	7	23.45	23.45	23.39	24.20
5	QPSK	12	13	23.36	23.42	23.41	24.20
5	QPSK	25	0	23.54	23.49	23.36	24.20
5	16QAM	1	0	23.69	23.76	23.69	24.20
5	16QAM	1	12	23.79	23.85	23.83	24.20
5	16QAM	1	24	23.74	23.77	23.61	24.20
5	16QAM	12	0	22.50	22.46	22.39	23.20
5	16QAM	12	7	22.50	22.46	22.34	23.20
5	16QAM	12	13	22.44	22.38	22.35	23.20
5	16QAM	25	0	22.44	22.45	22.38	23.20
5	64QAM	1	0	22.68	22.67	22.53	23.20
5	64QAM	1	12	22.76	22.73	22.64	23.20
5	64QAM	1	24	22.69	22.60	22.53	23.20
5	64QAM	12	0	21.50	21.49	21.39	22.20
5	64QAM	12	7	21.42	21.34	21.35	22.20
5	64QAM	12	13	21.43	21.43	21.40	22.20
5	64QAM	25	0	21.52	21.49	21.36	22.20
5	256QAM	1	0	19.64	19.46	19.56	20.20
5	256QAM	1	12	19.16	19.22	19.22	20.20
5	256QAM	1	24	19.45	19.56	19.53	20.20
5	256QAM	12	0	19.40	19.48	19.40	20.20
5	256QAM	12	7	19.45	19.41	19.31	20.20
5	256QAM	12	13	19.39	19.25	19.31	20.20
5	256QAM	25	0	19.45	19.48	19.36	20.20
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.22	24.21	24.20	25.20
3	QPSK	1	8	23.99	24.08	24.02	25.20
3	QPSK	1	14	24.09	24.06	24.00	25.20
3	QPSK	8	0	23.40	23.46	23.39	24.20
3	QPSK	8	4	23.37	23.44	23.41	24.20
3	QPSK	8	7	23.49	23.34	23.35	24.20
3	QPSK	15	0	23.43	23.45	23.30	24.20
3	16QAM	1	0	23.76	23.78	23.76	24.20
3	16QAM	1	8	23.79	23.86	23.77	24.20
3	16QAM	1	14	23.71	23.84	23.65	24.20
3	16QAM	8	0	22.55	22.39	22.47	23.20
3	16QAM	8	4	22.50	22.35	22.38	23.20
3	16QAM	8	7	22.43	22.41	22.43	23.20
3	16QAM	15	0	22.49	22.38	22.35	23.20
3	64QAM	1	0	22.79	22.60	22.57	23.20
3	64QAM	1	8	22.68	22.70	22.65	23.20
3	64QAM	1	14	22.68	22.57	22.54	23.20
3	64QAM	8	0	21.52	21.43	21.36	22.20
3	64QAM	8	4	21.42	21.38	21.41	22.20
3	64QAM	8	7	21.38	21.46	21.44	22.20
3	64QAM	15	0	21.47	21.47	21.44	22.20
3	256QAM	1	0	19.72	19.52	19.58	20.20
3	256QAM	1	8	19.18	19.21	19.13	20.20
3	256QAM	1	14	19.56	19.49	19.55	20.20
3	256QAM	8	0	19.43	19.50	19.43	20.20
3	256QAM	8	4	19.46	19.46	19.41	20.20
3	256QAM	8	7	19.29	19.37	19.31	20.20
3	256QAM	15	0	19.44	19.46	19.35	20.20
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	24.22	24.17	24.18	25.20
1.4	QPSK	1	3	23.95	24.20	23.92	25.20
1.4	QPSK	1	5	24.18	24.12	24.12	25.20
1.4	QPSK	3	0	23.96	23.92	23.87	25.20
1.4	QPSK	3	1	23.88	23.97	23.85	25.20
1.4	QPSK	3	3	23.94	23.86	23.87	25.20
1.4	QPSK	6	0	23.49	23.42	23.42	24.20
1.4	16QAM	1	0	23.69	23.73	23.67	24.20
1.4	16QAM	1	3	23.77	23.74	23.80	24.20
1.4	16QAM	1	5	23.79	23.83	23.56	24.20
1.4	16QAM	3	0	22.69	22.63	22.67	24.20
1.4	16QAM	3	1	22.64	22.61	22.56	24.20
1.4	16QAM	3	3	22.67	22.60	22.61	24.20
1.4	16QAM	6	0	22.52	22.42	22.48	23.20
1.4	64QAM	1	0	22.71	22.63	22.61	23.20
1.4	64QAM	1	3	22.71	22.71	22.76	23.20
1.4	64QAM	1	5	22.73	22.60	22.51	23.20

1.4	64QAM	3	0	21.65	21.64	21.64	23.20
1.4	64QAM	3	1	21.65	21.54	21.60	23.20
1.4	64QAM	3	3	21.65	21.65	21.58	23.20
1.4	64QAM	6	0	21.39	21.40	21.43	22.20
1.4	256QAM	1	0	19.76	19.45	19.58	20.20
1.4	256QAM	1	3	19.28	19.27	19.19	20.20
1.4	256QAM	1	5	19.55	19.51	19.52	20.20
1.4	256QAM	3	0	19.45	19.41	19.35	20.20
1.4	256QAM	3	1	19.38	19.37	19.31	20.20
1.4	256QAM	3	3	19.31	19.37	19.34	20.20
1.4	256QAM	6	0	19.48	19.45	19.33	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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.77	21.70	21.68	23.30
20	QPSK	1	49	21.67	21.48	21.42	23.30
20	QPSK	1	99	21.66	21.66	21.62	23.30
20	QPSK	50	0	21.72	21.70	21.68	23.30
20	QPSK	50	24	21.68	21.67	21.62	23.30
20	QPSK	50	50	21.69	21.65	21.63	23.30
20	QPSK	100	0	21.71	21.70	21.64	23.30
20	16QAM	1	0	21.75	21.54	21.63	23.30
20	16QAM	1	49	21.67	21.66	21.49	23.30
20	16QAM	1	99	21.52	21.49	21.55	23.30
20	16QAM	50	0	21.74	21.71	21.67	23.20
20	16QAM	50	24	21.72	21.71	21.61	23.20
20	16QAM	50	50	21.72	21.68	21.65	23.20
20	16QAM	100	0	21.74	21.75	21.68	23.20
20	64QAM	1	0	21.69	21.59	21.64	23.20
20	64QAM	1	49	21.66	21.58	21.55	23.20
20	64QAM	1	99	21.52	21.57	21.55	23.20
20	64QAM	50	0	21.53	21.54	21.45	22.20
20	64QAM	50	24	21.52	21.47	21.44	22.20
20	64QAM	50	50	21.51	21.44	21.42	22.20
20	64QAM	100	0	21.52	21.48	21.42	22.20
20	256QAM	1	0	19.73	19.63	19.61	20.20
20	256QAM	1	49	19.36	19.27	19.15	20.20
20	256QAM	1	99	19.55	19.57	19.52	20.20
20	256QAM	50	0	19.49	19.46	19.42	20.20
20	256QAM	50	24	19.46	19.43	19.38	20.20
20	256QAM	50	50	19.42	19.37	19.38	20.20
20	256QAM	100	0	19.50	19.47	19.41	20.20
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.72	21.62	21.60	23.30
15	QPSK	1	37	21.57	21.34	21.34	23.30
15	QPSK	1	74	21.55	21.58	21.49	23.30
15	QPSK	36	0	21.68	21.63	21.62	23.30
15	QPSK	36	20	21.63	21.63	21.55	23.30
15	QPSK	36	39	21.58	21.63	21.57	23.30
15	QPSK	75	0	21.61	21.57	21.56	23.30
15	16QAM	1	0	21.68	21.51	21.54	23.30
15	16QAM	1	37	21.56	21.55	21.43	23.30
15	16QAM	1	74	21.40	21.47	21.40	23.30
15	16QAM	36	0	21.67	21.66	21.52	23.20
15	16QAM	36	20	21.59	21.61	21.58	23.20
15	16QAM	36	39	21.67	21.62	21.60	23.20
15	16QAM	75	0	21.67	21.70	21.67	23.20
15	64QAM	1	0	21.65	21.47	21.61	23.20
15	64QAM	1	37	21.64	21.56	21.40	23.20
15	64QAM	1	74	21.46	21.45	21.49	23.20
15	64QAM	36	0	21.48	21.43	21.44	22.20
15	64QAM	36	20	21.49	21.44	21.38	22.20
15	64QAM	36	39	21.38	21.43	21.40	22.20
15	64QAM	75	0	21.47	21.43	21.29	22.20
15	256QAM	1	0	19.62	19.60	19.56	20.20
15	256QAM	1	37	19.33	19.15	19.02	20.20
15	256QAM	1	74	19.51	19.43	19.51	20.20
15	256QAM	36	0	19.46	19.34	19.33	20.20
15	256QAM	36	20	19.31	19.34	19.31	20.20
15	256QAM	36	39	19.31	19.35	19.37	20.20
15	256QAM	75	0	19.44	19.40	19.30	20.20
Channel				132022	132322	132622	Tune-up limit



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Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	0	21.66	21.68	21.57	23.30
10	QPSK	1	25	21.65	21.42	21.33	23.30
10	QPSK	1	49	21.57	21.61	21.56	23.30
10	QPSK	25	0	21.59	21.56	21.63	23.30
10	QPSK	25	12	21.59	21.56	21.60	23.30
10	QPSK	25	25	21.59	21.56	21.49	23.30
10	QPSK	50	0	21.63	21.66	21.62	23.30
10	16QAM	1	0	21.69	21.44	21.59	23.30
10	16QAM	1	25	21.60	21.62	21.42	23.30
10	16QAM	1	49	21.40	21.45	21.44	23.30
10	16QAM	25	0	21.68	21.68	21.62	23.20
10	16QAM	25	12	21.70	21.60	21.46	23.20
10	16QAM	25	25	21.61	21.60	21.63	23.20
10	16QAM	50	0	21.65	21.61	21.65	23.20
10	64QAM	1	0	21.65	21.57	21.60	23.20
10	64QAM	1	25	21.54	21.46	21.45	23.20
10	64QAM	1	49	21.48	21.48	21.43	23.20
10	64QAM	25	0	21.49	21.42	21.36	22.20
10	64QAM	25	12	21.41	21.42	21.34	22.20
10	64QAM	25	25	21.40	21.30	21.34	22.20
10	64QAM	50	0	21.51	21.38	21.31	22.20
10	256QAM	1	0	19.66	19.61	19.46	20.20
10	256QAM	1	25	19.32	19.16	19.10	20.20
10	256QAM	1	49	19.46	19.48	19.41	20.20
10	256QAM	25	0	19.38	19.35	19.39	20.20
10	256QAM	25	12	19.31	19.33	19.25	20.20
10	256QAM	25	25	19.32	19.24	19.26	20.20
10	256QAM	50	0	19.42	19.40	19.35	20.20
Channel				131997	132322	132647	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	0	21.67	21.57	21.53	23.30
5	QPSK	1	12	21.57	21.40	21.34	23.30
5	QPSK	1	24	21.65	21.58	21.58	23.30
5	QPSK	12	0	21.66	21.59	21.54	23.30
5	QPSK	12	7	21.58	21.59	21.52	23.30
5	QPSK	12	13	21.60	21.59	21.48	23.30
5	QPSK	25	0	21.63	21.65	21.50	23.30
5	16QAM	1	0	21.74	21.49	21.54	23.30
5	16QAM	1	12	21.60	21.62	21.35	23.30
5	16QAM	1	24	21.41	21.35	21.45	23.30
5	16QAM	12	0	21.64	21.62	21.65	23.20
5	16QAM	12	7	21.67	21.68	21.52	23.20
5	16QAM	12	13	21.60	21.60	21.51	23.20
5	16QAM	25	0	21.72	21.66	21.54	23.20
5	64QAM	1	0	21.67	21.58	21.50	23.20
5	64QAM	1	12	21.52	21.51	21.42	23.20
5	64QAM	1	24	21.40	21.43	21.49	23.20
5	64QAM	12	0	21.42	21.45	21.31	22.20
5	64QAM	12	7	21.39	21.37	21.33	22.20
5	64QAM	12	13	21.43	21.38	21.29	22.20
5	64QAM	25	0	21.49	21.34	21.35	22.20
5	256QAM	1	0	19.71	19.49	19.55	20.20
5	256QAM	1	12	19.28	19.21	19.13	20.20
5	256QAM	1	24	19.46	19.45	19.38	20.20
5	256QAM	12	0	19.36	19.45	19.28	20.20
5	256QAM	12	7	19.33	19.29	19.32	20.20
5	256QAM	12	13	19.39	19.24	19.31	20.20
5	256QAM	25	0	19.42	19.35	19.40	20.20
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.73	21.67	21.56	23.30
3	QPSK	1	8	21.53	21.40	21.36	23.30
3	QPSK	1	14	21.61	21.53	21.53	23.30
3	QPSK	8	0	21.70	21.66	21.56	23.30
3	QPSK	8	4	21.59	21.65	21.51	23.30
3	QPSK	8	7	21.59	21.54	21.51	23.30
3	QPSK	15	0	21.63	21.57	21.52	23.30
3	16QAM	1	0	21.71	21.53	21.51	23.30
3	16QAM	1	8	21.57	21.52	21.42	23.30
3	16QAM	1	14	21.47	21.37	21.44	23.30
3	16QAM	8	0	21.62	21.62	21.58	23.20
3	16QAM	8	4	21.64	21.63	21.53	23.20
3	16QAM	8	7	21.71	21.57	21.53	23.20
3	16QAM	15	0	21.66	21.72	21.62	23.20
3	64QAM	1	0	21.57	21.47	21.49	23.20
3	64QAM	1	8	21.58	21.51	21.52	23.20
3	64QAM	1	14	21.48	21.51	21.43	23.20

3	64QAM	8	0	21.40	21.53	21.37	22.20
3	64QAM	8	4	21.38	21.34	21.30	22.20
3	64QAM	8	7	21.48	21.37	21.35	22.20
3	64QAM	15	0	21.47	21.43	21.31	22.20
3	256QAM	1	0	19.69	19.49	19.53	20.20
3	256QAM	1	8	19.25	19.17	19.14	20.20
3	256QAM	1	14	19.51	19.53	19.41	20.20
3	256QAM	8	0	19.46	19.44	19.37	20.20
3	256QAM	8	4	19.36	19.40	19.33	20.20
3	256QAM	8	7	19.38	19.23	19.27	20.20
3	256QAM	15	0	19.45	19.40	19.32	20.20
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.70	21.63	21.54	23.30
1.4	QPSK	1	3	21.66	21.46	21.29	23.30
1.4	QPSK	1	5	21.61	21.60	21.52	23.30
1.4	QPSK	3	0	21.69	21.64	21.61	23.30
1.4	QPSK	3	1	21.58	21.54	21.49	23.30
1.4	QPSK	3	3	21.63	21.52	21.52	23.30
1.4	QPSK	6	0	20.56	20.61	20.61	22.30
1.4	16QAM	1	0	20.70	20.44	20.53	22.30
1.4	16QAM	1	3	20.61	20.54	20.45	22.30
1.4	16QAM	1	5	20.42	20.36	20.44	22.30
1.4	16QAM	3	0	20.60	20.58	20.64	22.30
1.4	16QAM	3	1	20.57	20.65	20.58	22.30
1.4	16QAM	3	3	20.69	20.61	20.61	22.30
1.4	16QAM	6	0	19.62	19.64	19.59	21.30
1.4	64QAM	1	0	19.66	19.47	19.58	21.30
1.4	64QAM	1	3	19.63	19.48	19.47	21.30
1.4	64QAM	1	5	19.47	19.53	19.52	21.30
1.4	64QAM	3	0	19.46	19.48	19.37	21.30
1.4	64QAM	3	1	19.51	19.33	19.30	21.30
1.4	64QAM	3	3	19.39	19.37	19.35	21.30
1.4	64QAM	6	0	18.38	18.45	18.41	20.30
1.4	256QAM	1	0	16.22	16.13	16.14	18.30
1.4	256QAM	1	3	15.87	15.72	15.60	18.30
1.4	256QAM	1	5	16.09	16.11	16.08	18.30
1.4	256QAM	3	0	15.96	16.02	15.90	18.30
1.4	256QAM	3	1	15.99	16.00	15.86	18.30
1.4	256QAM	3	3	16.01	15.85	15.96	18.30
1.4	256QAM	6	0	16.03	15.95	15.93	18.30

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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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.77	21.70	21.68	21.80
20	QPSK	1	49	21.67	21.48	21.42	21.80
20	QPSK	1	99	21.66	21.66	21.62	21.80
20	QPSK	50	0	21.72	21.70	21.68	21.80
20	QPSK	50	24	21.68	21.67	21.62	21.80
20	QPSK	50	50	21.69	21.65	21.63	21.80
20	QPSK	100	0	21.71	21.70	21.64	21.80
20	16QAM	1	0	21.75	21.54	21.63	21.80
20	16QAM	1	49	21.67	21.66	21.49	21.80
20	16QAM	1	99	21.52	21.49	21.55	21.80
20	16QAM	50	0	21.74	21.71	21.67	21.80
20	16QAM	50	24	21.72	21.71	21.61	21.80
20	16QAM	50	50	21.72	21.68	21.65	21.80
20	16QAM	100	0	21.74	21.75	21.68	21.80
20	64QAM	1	0	21.69	21.59	21.64	21.80
20	64QAM	1	49	21.66	21.58	21.55	21.80
20	64QAM	1	99	21.52	21.57	21.55	21.80
20	64QAM	50	0	21.53	21.54	21.45	21.80
20	64QAM	50	24	21.52	21.47	21.44	21.80
20	64QAM	50	50	21.51	21.44	21.42	21.80
20	64QAM	100	0	21.52	21.48	21.42	21.80
20	256QAM	1	0	19.73	19.63	19.61	20.20
20	256QAM	1	49	19.36	19.27	19.15	20.20
20	256QAM	1	99	19.55	19.57	19.52	20.20
20	256QAM	50	0	19.49	19.46	19.42	20.20
20	256QAM	50	24	19.46	19.43	19.38	20.20
20	256QAM	50	50	19.42	19.37	19.38	20.20
20	256QAM	100	0	19.50	19.47	19.41	20.20
Channel				132047	132322	132597	Tune-up limit



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Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	0	21.72	21.62	21.60	21.80
15	QPSK	1	37	21.57	21.34	21.34	21.80
15	QPSK	1	74	21.55	21.58	21.49	21.80
15	QPSK	36	0	21.68	21.63	21.62	21.80
15	QPSK	36	20	21.63	21.63	21.55	21.80
15	QPSK	36	39	21.58	21.63	21.57	21.80
15	QPSK	75	0	21.61	21.57	21.56	21.80
15	16QAM	1	0	21.68	21.51	21.54	21.80
15	16QAM	1	37	21.56	21.55	21.43	21.80
15	16QAM	1	74	21.40	21.47	21.40	21.80
15	16QAM	36	0	21.67	21.66	21.52	21.80
15	16QAM	36	20	21.59	21.61	21.58	21.80
15	16QAM	36	39	21.67	21.62	21.60	21.80
15	16QAM	75	0	21.67	21.70	21.67	21.80
15	64QAM	1	0	21.65	21.47	21.61	21.80
15	64QAM	1	37	21.64	21.56	21.40	21.80
15	64QAM	1	74	21.46	21.45	21.49	21.80
15	64QAM	36	0	21.48	21.43	21.44	21.80
15	64QAM	36	20	21.49	21.44	21.38	21.80
15	64QAM	36	39	21.38	21.43	21.40	21.80
15	64QAM	75	0	21.47	21.43	21.29	21.80
15	256QAM	1	0	19.62	19.60	19.56	20.20
15	256QAM	1	37	19.33	19.15	19.02	20.20
15	256QAM	1	74	19.51	19.43	19.51	20.20
15	256QAM	36	0	19.46	19.34	19.33	20.20
15	256QAM	36	20	19.31	19.34	19.31	20.20
15	256QAM	36	39	19.31	19.35	19.37	20.20
15	256QAM	75	0	19.44	19.40	19.30	20.20
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.66	21.68	21.57	21.80
10	QPSK	1	25	21.65	21.42	21.33	21.80
10	QPSK	1	49	21.57	21.61	21.56	21.80
10	QPSK	25	0	21.59	21.56	21.63	21.80
10	QPSK	25	12	21.59	21.56	21.60	21.80
10	QPSK	25	25	21.59	21.56	21.49	21.80
10	QPSK	50	0	21.63	21.66	21.62	21.80
10	16QAM	1	0	21.69	21.44	21.59	21.80
10	16QAM	1	25	21.60	21.62	21.42	21.80
10	16QAM	1	49	21.40	21.45	21.44	21.80
10	16QAM	25	0	21.68	21.68	21.62	21.80
10	16QAM	25	12	21.70	21.60	21.46	21.80
10	16QAM	25	25	21.61	21.60	21.63	21.80
10	16QAM	50	0	21.65	21.61	21.65	21.80
10	64QAM	1	0	21.65	21.57	21.60	21.80
10	64QAM	1	25	21.54	21.46	21.45	21.80
10	64QAM	1	49	21.48	21.48	21.43	21.80
10	64QAM	25	0	21.49	21.42	21.36	21.80
10	64QAM	25	12	21.41	21.42	21.34	21.80
10	64QAM	25	25	21.40	21.30	21.34	21.80
10	64QAM	50	0	21.51	21.38	21.31	21.80
10	256QAM	1	0	19.66	19.61	19.46	20.20
10	256QAM	1	25	19.32	19.16	19.10	20.20
10	256QAM	1	49	19.46	19.48	19.41	20.20
10	256QAM	25	0	19.38	19.35	19.39	20.20
10	256QAM	25	12	19.31	19.33	19.25	20.20
10	256QAM	25	25	19.32	19.24	19.26	20.20
10	256QAM	50	0	19.42	19.40	19.35	20.20
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.67	21.57	21.53	21.80
5	QPSK	1	12	21.57	21.40	21.34	21.80
5	QPSK	1	24	21.65	21.58	21.58	21.80
5	QPSK	12	0	21.66	21.59	21.54	21.80
5	QPSK	12	7	21.58	21.59	21.52	21.80
5	QPSK	12	13	21.60	21.59	21.48	21.80
5	QPSK	25	0	21.63	21.65	21.50	21.80
5	16QAM	1	0	21.74	21.49	21.54	21.80
5	16QAM	1	12	21.60	21.62	21.35	21.80
5	16QAM	1	24	21.41	21.35	21.45	21.80
5	16QAM	12	0	21.64	21.62	21.65	21.80
5	16QAM	12	7	21.67	21.68	21.52	21.80
5	16QAM	12	13	21.60	21.60	21.51	21.80
5	16QAM	25	0	21.72	21.66	21.54	21.80
5	64QAM	1	0	21.67	21.58	21.50	21.80
5	64QAM	1	12	21.52	21.51	21.42	21.80
5	64QAM	1	24	21.40	21.43	21.49	21.80



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5	64QAM	12	0	21.42	21.45	21.31	21.80
5	64QAM	12	7	21.39	21.37	21.33	21.80
5	64QAM	12	13	21.43	21.38	21.29	21.80
5	64QAM	25	0	21.49	21.34	21.35	21.80
5	256QAM	1	0	19.71	19.49	19.55	20.20
5	256QAM	1	12	19.28	19.21	19.13	20.20
5	256QAM	1	24	19.46	19.45	19.38	20.20
5	256QAM	12	0	19.36	19.45	19.28	20.20
5	256QAM	12	7	19.33	19.29	19.32	20.20
5	256QAM	12	13	19.39	19.24	19.31	20.20
5	256QAM	25	0	19.42	19.35	19.40	20.20
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.73	21.67	21.56	21.80
3	QPSK	1	8	21.53	21.40	21.36	21.80
3	QPSK	1	14	21.61	21.53	21.53	21.80
3	QPSK	8	0	21.70	21.66	21.56	21.80
3	QPSK	8	4	21.59	21.65	21.51	21.80
3	QPSK	8	7	21.59	21.54	21.51	21.80
3	QPSK	15	0	21.63	21.57	21.52	21.80
3	16QAM	1	0	21.71	21.53	21.51	21.80
3	16QAM	1	8	21.57	21.52	21.42	21.80
3	16QAM	1	14	21.47	21.37	21.44	21.80
3	16QAM	8	0	21.62	21.62	21.58	21.80
3	16QAM	8	4	21.64	21.63	21.53	21.80
3	16QAM	8	7	21.71	21.57	21.53	21.80
3	16QAM	15	0	21.66	21.72	21.62	21.80
3	64QAM	1	0	21.57	21.47	21.49	21.80
3	64QAM	1	8	21.58	21.51	21.52	21.80
3	64QAM	1	14	21.48	21.51	21.43	21.80
3	64QAM	8	0	21.40	21.53	21.37	21.80
3	64QAM	8	4	21.38	21.34	21.30	21.80
3	64QAM	8	7	21.48	21.37	21.35	21.80
3	64QAM	15	0	21.47	21.43	21.31	21.80
3	256QAM	1	0	19.69	19.49	19.53	20.20
3	256QAM	1	8	19.25	19.17	19.14	20.20
3	256QAM	1	14	19.51	19.53	19.41	20.20
3	256QAM	8	0	19.46	19.44	19.37	20.20
3	256QAM	8	4	19.36	19.40	19.33	20.20
3	256QAM	8	7	19.38	19.23	19.27	20.20
3	256QAM	15	0	19.45	19.40	19.32	20.20
Channel				131979	132322	132665	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	21.70	21.63	21.54	21.80
1.4	QPSK	1	3	21.66	21.46	21.29	21.80
1.4	QPSK	1	5	21.61	21.60	21.52	21.80
1.4	QPSK	3	0	21.69	21.64	21.61	21.80
1.4	QPSK	3	1	21.58	21.54	21.49	21.80
1.4	QPSK	3	3	21.63	21.52	21.52	21.80
1.4	QPSK	6	0	20.56	20.61	20.61	20.80
1.4	16QAM	1	0	20.70	20.44	20.53	20.80
1.4	16QAM	1	3	20.61	20.54	20.45	20.80
1.4	16QAM	1	5	20.42	20.36	20.44	20.80
1.4	16QAM	3	0	20.60	20.58	20.64	20.80
1.4	16QAM	3	1	20.57	20.65	20.58	20.80
1.4	16QAM	3	3	20.69	20.61	20.61	20.80
1.4	16QAM	6	0	19.62	19.64	19.59	19.80
1.4	64QAM	1	0	19.66	19.47	19.58	19.80
1.4	64QAM	1	3	19.63	19.48	19.47	19.80
1.4	64QAM	1	5	19.47	19.53	19.52	19.80
1.4	64QAM	3	0	19.46	19.48	19.37	19.80
1.4	64QAM	3	1	19.51	19.33	19.30	19.80
1.4	64QAM	3	3	19.39	19.37	19.35	19.80
1.4	64QAM	6	0	18.38	18.45	18.41	18.80
1.4	256QAM	1	0	16.22	16.13	16.14	16.80
1.4	256QAM	1	3	15.87	15.72	15.60	16.80
1.4	256QAM	1	5	16.09	16.11	16.08	16.80
1.4	256QAM	3	0	15.96	16.02	15.90	16.80
1.4	256QAM	3	1	15.99	16.00	15.86	16.80
1.4	256QAM	3	3	16.01	15.85	15.96	16.80
1.4	256QAM	6	0	16.03	15.95	15.93	16.80

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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				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.36	18.32	18.46	18.60
20	QPSK	1	49	18.15	18.24	18.24	18.60
20	QPSK	1	99	18.26	18.18	18.42	18.60
20	QPSK	50	0	18.33	18.31	18.45	18.60
20	QPSK	50	24	18.32	18.30	18.43	18.60
20	QPSK	50	50	18.26	18.26	18.42	18.60
20	QPSK	100	0	18.30	18.27	18.40	18.60
20	16QAM	1	0	18.17	18.22	18.31	18.60
20	16QAM	1	49	18.00	18.04	18.23	18.60
20	16QAM	1	99	18.11	18.20	18.42	18.60
20	16QAM	50	0	18.22	18.22	18.35	18.60
20	16QAM	50	24	18.18	18.21	18.34	18.60
20	16QAM	50	50	18.15	18.20	18.37	18.60
20	16QAM	100	0	18.16	18.21	18.37	18.60
20	64QAM	1	0	18.17	18.03	18.25	18.60
20	64QAM	1	49	18.07	18.10	18.17	18.60
20	64QAM	1	99	18.02	18.03	18.23	18.60
20	64QAM	50	0	18.22	18.18	18.29	18.60
20	64QAM	50	24	18.20	18.20	18.27	18.60
20	64QAM	50	50	18.23	18.07	18.32	18.60
20	64QAM	100	0	18.24	18.12	18.28	18.60
20	256QAM	1	0	18.22	18.08	18.31	18.60
20	256QAM	1	49	18.00	17.92	17.98	18.60
20	256QAM	1	99	17.99	17.95	18.18	18.60
20	256QAM	50	0	18.24	18.20	18.33	18.60
20	256QAM	50	24	18.19	18.15	18.26	18.60
20	256QAM	50	50	18.17	18.16	18.30	18.60
20	256QAM	100	0	18.22	18.21	18.34	18.60
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.21	18.28	18.44	18.60
15	QPSK	1	37	18.07	18.15	18.10	18.60
15	QPSK	1	74	18.21	18.16	18.39	18.60
15	QPSK	36	0	18.26	18.20	18.34	18.60
15	QPSK	36	20	18.26	18.23	18.41	18.60
15	QPSK	36	39	18.18	18.18	18.38	18.60
15	QPSK	75	0	18.22	18.18	18.35	18.60
15	16QAM	1	0	18.12	18.11	18.26	18.60
15	16QAM	1	37	17.96	17.93	18.10	18.60
15	16QAM	1	74	18.10	18.10	18.27	18.60
15	16QAM	36	0	18.08	18.08	18.23	18.60
15	16QAM	36	20	18.10	18.11	18.30	18.60
15	16QAM	36	39	18.11	18.10	18.28	18.60
15	16QAM	75	0	18.12	18.08	18.36	18.60
15	64QAM	1	0	18.05	17.99	18.15	18.60
15	64QAM	1	37	18.04	17.95	18.10	18.60
15	64QAM	1	74	17.91	17.97	18.08	18.60
15	64QAM	36	0	18.09	18.15	18.21	18.60
15	64QAM	36	20	18.19	18.17	18.23	18.60
15	64QAM	36	39	18.10	17.93	18.29	18.60
15	64QAM	75	0	18.14	18.09	18.25	18.60
15	256QAM	1	0	18.20	18.04	18.16	18.60
15	256QAM	1	37	17.98	17.80	17.96	18.60
15	256QAM	1	74	17.92	17.80	18.04	18.60
15	256QAM	36	0	18.19	18.08	18.22	18.60
15	256QAM	36	20	18.17	18.08	18.24	18.60
15	256QAM	36	39	18.05	18.05	18.16	18.60
15	256QAM	75	0	18.11	18.06	18.27	18.60
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.22	18.19	18.34	18.60
10	QPSK	1	25	18.12	18.21	18.15	18.60
10	QPSK	1	49	18.24	18.15	18.35	18.60
10	QPSK	25	0	18.21	18.28	18.37	18.60
10	QPSK	25	12	18.26	18.25	18.38	18.60
10	QPSK	25	25	18.19	18.16	18.36	18.60
10	QPSK	50	0	18.25	18.21	18.35	18.60
10	16QAM	1	0	18.07	18.10	18.22	18.60
10	16QAM	1	25	17.89	18.01	18.09	18.60
10	16QAM	1	49	18.00	18.10	18.39	18.60
10	16QAM	25	0	18.18	18.18	18.30	18.60