<LTE Band 26_Ant 1_TX1_Index 7>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.00	22.01	22.00	23.5
15	QPSK	1	37	21.87	21.86	21.85	
15	QPSK	1	74	21.93	21.88	21.84	
15	QPSK	36	0	21.95	21.99	21.98	23.5
15	QPSK	36	20	21.90	21.91	21.94	
15	QPSK	36	39	21.90	21.94	21.91	
15	QPSK	75	0	21.92	21.93	21.97	
15	16QAM	1	0	21.99	21.94	21.95	23.5
15	16QAM	1	37	21.85	21.94	21.87	
15	16QAM	1	74	21.86	21.87	21.86	
15	16QAM	36	0	21.98	21.96	21.91	23.5
15	16QAM	36	20	21.93	21.95	21.87	
15	16QAM	36	39	21.93	21.94	21.83	
15	16QAM	75	0	21.94	21.89	21.99	
15	64QAM	1	0	21.90	21.88	21.89	23.5
15	64QAM	1	37	21.95	21.92	21.92	
15	64QAM	1	74	21.85	21.96	21.88	
15	64QAM	36	0	21.59	21.60	21.64	22.7
15	64QAM	36	20	21.54	21.57	21.58	
15	64QAM	36	39	21.52	21.54	21.54	
15	64QAM	75	0	21.51	21.53	21.55	
15	256QAM	1	0	19.63	19.78	19.97	20.7
15	256QAM	1	37	19.25	19.35	19.59	
15	256QAM	1	74	19.48	19.50	19.45	
15	256QAM	36	0	19.33	19.30	19.53	20.7
15	256QAM	36	20	19.28	19.44	19.38	
15	256QAM	36	39	19.32	19.42	19.54	
15	256QAM	75	0	19.30	19.29	19.48	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.90	21.87	21.94	23.5
10	QPSK	1	25	21.80	21.67	21.79	
10	QPSK	1	49	21.74	21.76	21.64	
10	QPSK	25	0	21.83	21.96	21.81	23.5
10	QPSK	25	12	21.79	21.82	21.84	
10	QPSK	25	25	21.71	21.82	21.75	
10	QPSK	50	0	21.81	21.84	21.89	
10	16QAM	1	0	21.93	21.80	21.84	23.5
10	16QAM	1	25	21.81	21.82	21.72	
10	16QAM	1	49	21.84	21.72	21.71	
10	16QAM	25	0	21.79	21.84	21.83	23.5
10	16QAM	25	12	21.91	21.80	21.78	
10	16QAM	25	25	21.75	21.84	21.76	
10	16QAM	50	0	21.74	21.71	21.81	
10	64QAM	1	0	21.80	21.70	21.80	23.5
10	64QAM	1	25	21.90	21.92	21.90	
10	64QAM	1	49	21.72	21.79	21.77	
10	64QAM	25	0	21.57	21.45	21.64	22.7
10	64QAM	25	12	21.53	21.52	21.55	
10	64QAM	25	25	21.51	21.53	21.39	
10	64QAM	50	0	21.37	21.42	21.54	
10	256QAM	1	0	19.63	19.72	19.85	20.7
10	256QAM	1	25	19.19	19.29	19.40	
10	256QAM	1	49	19.48	19.36	19.43	
10	256QAM	25	0	19.16	19.23	19.47	20.7

10	256QAM	25	12	19.19	19.42	19.34	
10	256QAM	25	25	19.26	19.37	19.48	
10	256QAM	50	0	19.17	19.13	19.38	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.83	21.94	21.91	23.5
5	QPSK	1	12	21.84	21.80	21.76	
5	QPSK	1	24	21.90	21.79	21.66	
5	QPSK	12	0	21.87	21.86	21.87	23.5
5	QPSK	12	7	21.80	21.81	21.77	
5	QPSK	12	13	21.80	21.94	21.75	
5	QPSK	25	0	21.92	21.87	21.86	
5	16QAM	1	0	21.91	21.82	21.79	23.5
5	16QAM	1	12	21.68	21.80	21.68	
5	16QAM	1	24	21.78	21.67	21.79	
5	16QAM	12	0	21.93	21.83	21.79	23.5
5	16QAM	12	7	21.83	21.82	21.81	
5	16QAM	12	13	21.73	21.74	21.80	
5	16QAM	25	0	21.75	21.83	21.97	
5	64QAM	1	0	21.76	21.84	21.85	23.5
5	64QAM	1	12	21.88	21.79	21.85	
5	64QAM	1	24	21.78	21.96	21.72	
5	64QAM	12	0	21.53	21.49	21.54	22.7
5	64QAM	12	7	21.54	21.37	21.49	
5	64QAM	12	13	21.52	21.54	21.43	
5	64QAM	25	0	21.36	21.51	21.41	
5	256QAM	1	0	19.63	19.75	19.90	20.7
5	256QAM	1	12	19.22	19.31	19.53	
5	256QAM	1	24	19.41	19.45	19.42	
5	256QAM	12	0	19.33	19.13	19.42	20.7
5	256QAM	12	7	19.12	19.25	19.26	
5	256QAM	12	13	19.12	19.22	19.34	
5	256QAM	25	0	19.22	19.18	19.42	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.81	21.85	21.99	23.5
3	QPSK	1	8	21.69	21.69	21.82	
3	QPSK	1	14	21.84	21.85	21.70	
3	QPSK	8	0	21.83	21.81	21.79	23.5
3	QPSK	8	4	21.81	21.79	21.78	
3	QPSK	8	7	21.72	21.89	21.81	
3	QPSK	15	0	21.81	21.82	21.87	
3	16QAM	1	0	21.89	21.81	21.88	23.5
3	16QAM	1	8	21.72	21.84	21.74	
3	16QAM	1	14	21.71	21.77	21.73	
3	16QAM	8	0	21.92	21.87	21.85	23.5
3	16QAM	8	4	21.83	21.89	21.72	
3	16QAM	8	7	21.92	21.85	21.81	
3	16QAM	15	0	21.79	21.88	21.98	
3	64QAM	1	0	21.88	21.73	21.74	23.5
3	64QAM	1	8	21.95	21.73	21.73	
3	64QAM	1	14	21.80	21.82	21.87	
3	64QAM	8	0	21.52	21.52	21.44	22.7
3	64QAM	8	4	21.49	21.40	21.44	
3	64QAM	8	7	21.40	21.53	21.47	
3	64QAM	15	0	21.40	21.52	21.46	
3	256QAM	1	0	19.60	19.63	19.95	20.7
3	256QAM	1	8	19.14	19.18	19.58	
3	256QAM	1	14	19.36	19.35	19.34	
3	256QAM	8	0	19.14	19.11	19.41	20.7
3	256QAM	8	4	19.18	19.35	19.36	

3	256QAM	8	7	19.12	19.25	19.34	
3	256QAM	15	0	19.18	19.19	19.42	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.81	21.86	21.96	23.5
1.4	QPSK	1	3	21.73	21.86	21.75	
1.4	QPSK	1	5	21.74	21.72	21.71	
1.4	QPSK	3	0	21.87	21.91	21.81	
1.4	QPSK	3	1	21.86	21.88	21.75	
1.4	QPSK	3	3	21.80	21.88	21.78	
1.4	QPSK	6	0	21.86	21.78	21.96	23.5
1.4	16QAM	1	0	21.84	21.80	21.94	23.5
1.4	16QAM	1	3	21.79	21.91	21.83	
1.4	16QAM	1	5	21.81	21.78	21.78	
1.4	16QAM	3	0	21.90	21.84	21.87	
1.4	16QAM	3	1	21.93	21.84	21.83	
1.4	16QAM	3	3	21.84	21.91	21.75	
1.4	16QAM	6	0	21.77	21.76	21.83	23.5
1.4	64QAM	1	0	21.76	21.79	21.74	23.5
1.4	64QAM	1	3	21.91	21.92	21.79	
1.4	64QAM	1	5	21.78	21.77	21.86	
1.4	64QAM	3	0	21.69	21.67	21.56	
1.4	64QAM	3	1	21.50	21.60	21.69	
1.4	64QAM	3	3	21.52	21.56	21.51	
1.4	64QAM	6	0	21.40	21.43	21.42	22.7
1.4	256QAM	1	0	19.54	19.77	19.87	20.7
1.4	256QAM	1	3	19.22	19.33	19.56	
1.4	256QAM	1	5	19.33	19.37	19.39	
1.4	256QAM	3	0	19.14	19.18	19.51	
1.4	256QAM	3	1	19.24	19.37	19.24	
1.4	256QAM	3	3	19.31	19.34	19.52	
1.4	256QAM	6	0	19.19	19.29	19.45	20.7

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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				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.00	22.01	22.00	22.7
15	QPSK	1	37	21.87	21.86	21.85	
15	QPSK	1	74	21.93	21.88	21.84	
15	QPSK	36	0	21.95	21.99	21.98	22.7
15	QPSK	36	20	21.90	21.91	21.94	
15	QPSK	36	39	21.90	21.94	21.91	
15	QPSK	75	0	21.92	21.93	21.97	
15	16QAM	1	0	21.99	21.94	21.95	22.7
15	16QAM	1	37	21.85	21.94	21.87	
15	16QAM	1	74	21.86	21.87	21.86	
15	16QAM	36	0	21.98	21.96	21.91	22.7
15	16QAM	36	20	21.93	21.95	21.87	
15	16QAM	36	39	21.93	21.94	21.83	
15	16QAM	75	0	21.94	21.89	21.99	
15	64QAM	1	0	21.90	21.88	21.89	22.7
15	64QAM	1	37	21.95	21.92	21.92	
15	64QAM	1	74	21.85	21.96	21.88	
15	64QAM	36	0	21.59	21.60	21.64	22.7
15	64QAM	36	20	21.54	21.57	21.58	
15	64QAM	36	39	21.52	21.54	21.54	
15	64QAM	75	0	21.51	21.53	21.55	
15	256QAM	1	0	19.63	19.78	19.97	20.7
15	256QAM	1	37	19.25	19.35	19.59	
15	256QAM	1	74	19.48	19.50	19.45	
15	256QAM	36	0	19.33	19.30	19.53	20.7
15	256QAM	36	20	19.28	19.44	19.38	
15	256QAM	36	39	19.32	19.42	19.54	
15	256QAM	75	0	19.30	19.29	19.48	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.90	21.87	21.94	22.7
10	QPSK	1	25	21.80	21.67	21.79	
10	QPSK	1	49	21.74	21.76	21.64	
10	QPSK	25	0	21.83	21.96	21.81	22.7
10	QPSK	25	12	21.79	21.82	21.84	
10	QPSK	25	25	21.71	21.82	21.75	
10	QPSK	50	0	21.81	21.84	21.89	
10	16QAM	1	0	21.93	21.80	21.84	22.7
10	16QAM	1	25	21.81	21.82	21.72	
10	16QAM	1	49	21.84	21.72	21.71	
10	16QAM	25	0	21.79	21.84	21.83	22.7
10	16QAM	25	12	21.91	21.80	21.78	
10	16QAM	25	25	21.75	21.84	21.76	
10	16QAM	50	0	21.74	21.71	21.81	
10	64QAM	1	0	21.80	21.70	21.80	22.7
10	64QAM	1	25	21.90	21.92	21.90	
10	64QAM	1	49	21.72	21.79	21.77	
10	64QAM	25	0	21.57	21.45	21.64	22.7
10	64QAM	25	12	21.53	21.52	21.55	
10	64QAM	25	25	21.51	21.53	21.39	
10	64QAM	50	0	21.37	21.42	21.54	
10	256QAM	1	0	19.63	19.72	19.85	20.7
10	256QAM	1	25	19.19	19.29	19.40	
10	256QAM	1	49	19.48	19.36	19.43	
10	256QAM	25	0	19.16	19.23	19.47	20.7

10	256QAM	25	12	19.19	19.42	19.34	
10	256QAM	25	25	19.26	19.37	19.48	
10	256QAM	50	0	19.17	19.13	19.38	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.83	21.94	21.91	22.7
5	QPSK	1	12	21.84	21.80	21.76	
5	QPSK	1	24	21.90	21.79	21.66	
5	QPSK	12	0	21.87	21.86	21.87	22.7
5	QPSK	12	7	21.80	21.81	21.77	
5	QPSK	12	13	21.80	21.94	21.75	
5	QPSK	25	0	21.92	21.87	21.86	
5	16QAM	1	0	21.91	21.82	21.79	22.7
5	16QAM	1	12	21.68	21.80	21.68	
5	16QAM	1	24	21.78	21.67	21.79	
5	16QAM	12	0	21.93	21.83	21.79	22.7
5	16QAM	12	7	21.83	21.82	21.81	
5	16QAM	12	13	21.73	21.74	21.80	
5	16QAM	25	0	21.75	21.83	21.97	
5	64QAM	1	0	21.76	21.84	21.85	22.7
5	64QAM	1	12	21.88	21.79	21.85	
5	64QAM	1	24	21.78	21.96	21.72	
5	64QAM	12	0	21.53	21.49	21.54	22.7
5	64QAM	12	7	21.54	21.37	21.49	
5	64QAM	12	13	21.52	21.54	21.43	
5	64QAM	25	0	21.36	21.51	21.41	
5	256QAM	1	0	19.63	19.75	19.90	20.7
5	256QAM	1	12	19.22	19.31	19.53	
5	256QAM	1	24	19.41	19.45	19.42	
5	256QAM	12	0	19.33	19.13	19.42	20.7
5	256QAM	12	7	19.12	19.25	19.26	
5	256QAM	12	13	19.12	19.22	19.34	
5	256QAM	25	0	19.22	19.18	19.42	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.81	21.85	21.99	22.7
3	QPSK	1	8	21.69	21.69	21.82	
3	QPSK	1	14	21.84	21.85	21.70	
3	QPSK	8	0	21.83	21.81	21.79	22.7
3	QPSK	8	4	21.81	21.79	21.78	
3	QPSK	8	7	21.72	21.89	21.81	
3	QPSK	15	0	21.81	21.82	21.87	
3	16QAM	1	0	21.89	21.81	21.88	22.7
3	16QAM	1	8	21.72	21.84	21.74	
3	16QAM	1	14	21.71	21.77	21.73	
3	16QAM	8	0	21.92	21.87	21.85	22.7
3	16QAM	8	4	21.83	21.89	21.72	
3	16QAM	8	7	21.92	21.85	21.81	
3	16QAM	15	0	21.79	21.88	21.98	
3	64QAM	1	0	21.88	21.73	21.74	22.7
3	64QAM	1	8	21.95	21.73	21.73	
3	64QAM	1	14	21.80	21.82	21.87	
3	64QAM	8	0	21.52	21.52	21.44	22.7
3	64QAM	8	4	21.49	21.40	21.44	
3	64QAM	8	7	21.40	21.53	21.47	
3	64QAM	15	0	21.40	21.52	21.46	
3	256QAM	1	0	19.60	19.63	19.95	20.7
3	256QAM	1	8	19.14	19.18	19.58	
3	256QAM	1	14	19.36	19.35	19.34	
3	256QAM	8	0	19.14	19.11	19.41	20.7
3	256QAM	8	4	19.18	19.35	19.36	

3	256QAM	8	7	19.12	19.25	19.34	
3	256QAM	15	0	19.18	19.19	19.42	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.81	21.86	21.96	22.7
1.4	QPSK	1	3	21.73	21.86	21.75	
1.4	QPSK	1	5	21.74	21.72	21.71	
1.4	QPSK	3	0	21.87	21.91	21.81	
1.4	QPSK	3	1	21.86	21.88	21.75	
1.4	QPSK	3	3	21.80	21.88	21.78	
1.4	QPSK	6	0	21.86	21.78	21.96	22.7
1.4	16QAM	1	0	21.84	21.80	21.94	22.7
1.4	16QAM	1	3	21.79	21.91	21.83	
1.4	16QAM	1	5	21.81	21.78	21.78	
1.4	16QAM	3	0	21.90	21.84	21.87	
1.4	16QAM	3	1	21.93	21.84	21.83	
1.4	16QAM	3	3	21.84	21.91	21.75	
1.4	16QAM	6	0	21.77	21.76	21.83	22.7
1.4	64QAM	1	0	21.76	21.79	21.74	22.7
1.4	64QAM	1	3	21.91	21.92	21.79	
1.4	64QAM	1	5	21.78	21.77	21.86	
1.4	64QAM	3	0	21.69	21.67	21.56	
1.4	64QAM	3	1	21.50	21.60	21.69	
1.4	64QAM	3	3	21.52	21.56	21.51	
1.4	64QAM	6	0	21.40	21.43	21.42	22.7
1.4	256QAM	1	0	19.54	19.77	19.87	20.7
1.4	256QAM	1	3	19.22	19.33	19.56	
1.4	256QAM	1	5	19.33	19.37	19.39	
1.4	256QAM	3	0	19.14	19.18	19.51	
1.4	256QAM	3	1	19.24	19.37	19.24	
1.4	256QAM	3	3	19.31	19.34	19.52	
1.4	256QAM	6	0	19.19	19.29	19.45	20.7

<LTE Band 26_Ant 1_TX1_Index 9/10/11>

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	24.49	24.49	24.67	25.7
15	QPSK	1	37	24.33	24.27	24.41	
15	QPSK	1	74	24.38	24.32	24.35	
15	QPSK	36	0	23.46	23.45	23.47	24.7
15	QPSK	36	20	23.43	23.43	23.46	
15	QPSK	36	39	23.41	23.38	23.39	
15	QPSK	75	0	23.40	23.40	23.44	
15	16QAM	1	0	23.80	23.72	23.91	24.7
15	16QAM	1	37	23.75	23.70	23.77	
15	16QAM	1	74	23.83	23.78	23.53	
15	16QAM	36	0	22.47	22.41	22.50	23.7
15	16QAM	36	20	22.42	22.41	22.45	
15	16QAM	36	39	22.43	22.37	22.40	
15	16QAM	75	0	22.43	22.43	22.48	
15	64QAM	1	0	22.69	22.56	22.77	23.7
15	64QAM	1	37	22.65	22.50	22.69	
15	64QAM	1	74	22.59	22.50	22.45	
15	64QAM	36	0	21.49	21.46	21.53	22.7
15	64QAM	36	20	21.45	21.44	21.46	
15	64QAM	36	39	21.44	21.43	21.41	
15	64QAM	75	0	21.41	21.41	21.47	
15	256QAM	1	0	19.71	19.73	19.87	20.7
15	256QAM	1	37	19.33	19.45	19.51	
15	256QAM	1	74	19.39	19.41	19.51	
15	256QAM	36	0	19.31	19.38	19.45	20.7
15	256QAM	36	20	19.34	19.39	19.46	
15	256QAM	36	39	19.32	19.42	19.46	
15	256QAM	75	0	19.23	19.35	19.39	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.30	24.47	24.53	25.7
10	QPSK	1	25	24.25	24.07	24.26	
10	QPSK	1	49	24.32	24.23	24.21	
10	QPSK	25	0	23.38	23.40	23.38	24.7
10	QPSK	25	12	23.32	23.25	23.40	
10	QPSK	25	25	23.34	23.38	23.30	
10	QPSK	50	0	23.26	23.21	23.37	
10	16QAM	1	0	23.61	23.63	23.71	24.7
10	16QAM	1	25	23.74	23.67	23.75	
10	16QAM	1	49	23.77	23.60	23.33	
10	16QAM	25	0	22.28	22.22	22.37	23.7
10	16QAM	25	12	22.36	22.38	22.27	
10	16QAM	25	25	22.38	22.18	22.21	
10	16QAM	50	0	22.39	22.36	22.33	
10	64QAM	1	0	22.56	22.42	22.63	23.7
10	64QAM	1	25	22.46	22.43	22.63	
10	64QAM	1	49	22.40	22.34	22.34	
10	64QAM	25	0	21.31	21.34	21.39	22.7
10	64QAM	25	12	21.32	21.36	21.46	
10	64QAM	25	25	21.43	21.25	21.28	
10	64QAM	50	0	21.30	21.40	21.46	
10	256QAM	1	0	19.64	19.54	19.82	20.7
10	256QAM	1	25	19.20	19.31	19.42	
10	256QAM	1	49	19.36	19.33	19.40	
10	256QAM	25	0	19.16	19.27	19.33	20.7

10	256QAM	25	12	19.34	19.23	19.30	
10	256QAM	25	25	19.31	19.28	19.45	
10	256QAM	50	0	19.23	19.31	19.39	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.39	24.40	24.64	25.7
5	QPSK	1	12	24.26	24.26	24.30	
5	QPSK	1	24	24.19	24.27	24.29	
5	QPSK	12	0	23.28	23.33	23.43	24.7
5	QPSK	12	7	23.38	23.35	23.31	
5	QPSK	12	13	23.30	23.31	23.27	
5	QPSK	25	0	23.26	23.35	23.29	
5	16QAM	1	0	23.60	23.62	23.90	24.7
5	16QAM	1	12	23.75	23.65	23.74	
5	16QAM	1	24	23.77	23.75	23.34	
5	16QAM	12	0	22.35	22.39	22.38	23.7
5	16QAM	12	7	22.23	22.22	22.38	
5	16QAM	12	13	22.34	22.29	22.31	
5	16QAM	25	0	22.24	22.40	22.45	
5	64QAM	1	0	22.57	22.50	22.59	23.7
5	64QAM	1	12	22.56	22.50	22.49	
5	64QAM	1	24	22.51	22.35	22.43	
5	64QAM	12	0	21.43	21.44	21.47	22.7
5	64QAM	12	7	21.44	21.25	21.38	
5	64QAM	12	13	21.39	21.26	21.37	
5	64QAM	25	0	21.37	21.30	21.40	
5	256QAM	1	0	19.57	19.68	19.75	20.7
5	256QAM	1	12	19.23	19.27	19.31	
5	256QAM	1	24	19.37	19.31	19.33	
5	256QAM	12	0	19.31	19.18	19.38	20.7
5	256QAM	12	7	19.15	19.22	19.32	
5	256QAM	12	13	19.30	19.38	19.28	
5	256QAM	25	0	19.16	19.21	19.27	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.46	24.37	24.57	25.7
3	QPSK	1	8	24.18	24.21	24.32	
3	QPSK	1	14	24.35	24.16	24.19	
3	QPSK	8	0	23.27	23.31	23.41	24.7
3	QPSK	8	4	23.39	23.25	23.45	
3	QPSK	8	7	23.21	23.32	23.23	
3	QPSK	15	0	23.25	23.37	23.25	
3	16QAM	1	0	23.66	23.60	23.80	24.7
3	16QAM	1	8	23.66	23.55	23.76	
3	16QAM	1	14	23.69	23.66	23.47	
3	16QAM	8	0	22.33	22.32	22.31	23.7
3	16QAM	8	4	22.33	22.38	22.31	
3	16QAM	8	7	22.23	22.21	22.34	
3	16QAM	15	0	22.34	22.40	22.35	
3	64QAM	1	0	22.67	22.43	22.72	23.7
3	64QAM	1	8	22.52	22.44	22.55	
3	64QAM	1	14	22.45	22.34	22.45	
3	64QAM	8	0	21.43	21.45	21.51	22.7
3	64QAM	8	4	21.31	21.43	21.33	
3	64QAM	8	7	21.41	21.41	21.29	
3	64QAM	15	0	21.28	21.27	21.37	
3	256QAM	1	0	19.63	19.70	19.84	20.7
3	256QAM	1	8	19.25	19.25	19.44	
3	256QAM	1	14	19.31	19.34	19.32	
3	256QAM	8	0	19.26	19.31	19.45	20.7
3	256QAM	8	4	19.29	19.31	19.41	

3	256QAM	8	7	19.12	19.37	19.44	
3	256QAM	15	0	19.11	19.22	19.28	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.36	24.47	24.52	25.7
1.4	QPSK	1	3	24.16	24.26	24.41	
1.4	QPSK	1	5	24.29	24.29	24.35	
1.4	QPSK	3	0	24.37	24.48	24.51	
1.4	QPSK	3	1	24.30	24.16	24.25	
1.4	QPSK	3	3	24.22	24.13	24.22	
1.4	QPSK	6	0	23.37	23.38	23.31	24.7
1.4	16QAM	1	0	23.25	23.30	23.33	24.7
1.4	16QAM	1	3	23.31	23.33	23.36	
1.4	16QAM	1	5	23.33	23.22	23.28	
1.4	16QAM	3	0	23.77	23.71	23.71	
1.4	16QAM	3	1	23.64	23.63	23.72	
1.4	16QAM	3	3	23.70	23.69	23.35	
1.4	16QAM	6	0	22.27	22.33	22.46	23.7
1.4	64QAM	1	0	22.37	22.22	22.41	23.7
1.4	64QAM	1	3	22.27	22.18	22.23	
1.4	64QAM	1	5	22.24	22.27	22.28	
1.4	64QAM	3	0	22.68	22.55	22.70	
1.4	64QAM	3	1	22.49	22.43	22.69	
1.4	64QAM	3	3	22.50	22.49	22.39	
1.4	64QAM	6	0	21.40	21.34	21.38	22.7
1.4	256QAM	1	0	19.64	19.68	19.72	20.7
1.4	256QAM	1	3	19.28	19.42	19.48	
1.4	256QAM	1	5	19.20	19.34	19.37	
1.4	256QAM	3	0	19.26	19.24	19.45	
1.4	256QAM	3	1	19.18	19.30	19.40	
1.4	256QAM	3	3	19.14	19.26	19.28	
1.4	256QAM	6	0	19.12	19.16	19.24	20.7

<LTE Band 30_Ant 2_TX0_Index 2/3>

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		22.50		23.7
10	QPSK	1	25		22.37		
10	QPSK	1	49		22.36		
10	QPSK	25	0		21.53		22.7
10	QPSK	25	12		21.50		
10	QPSK	25	25		21.48		
10	QPSK	50	0		21.47		
10	16QAM	1	0		21.76		22.7
10	16QAM	1	25		21.60		
10	16QAM	1	49		21.64		
10	16QAM	25	0		20.49		21.7
10	16QAM	25	12		20.51		
10	16QAM	25	25		20.48		
10	16QAM	50	0		20.45		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.58		
10	64QAM	1	49		20.49		
10	64QAM	25	0		19.46		20.7
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.44		
10	64QAM	50	0		19.44		
10	256QAM	1	0		17.55		18.7
10	256QAM	1	25		17.50		
10	256QAM	1	49		17.50		
10	256QAM	25	0		17.49		18.7
10	256QAM	25	12		17.47		
10	256QAM	25	25		17.42		
10	256QAM	50	0		17.44		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.34	22.44	22.46	23.7
5	QPSK	1	12	22.21	22.32	22.37	
5	QPSK	1	24	22.22	22.17	22.36	
5	QPSK	12	0	21.42	21.48	21.43	22.7
5	QPSK	12	7	21.46	21.36	21.36	
5	QPSK	12	13	21.44	21.33	21.28	
5	QPSK	25	0	21.35	21.43	21.38	
5	16QAM	1	0	21.60	21.59	21.58	22.7
5	16QAM	1	12	21.50	21.53	21.42	
5	16QAM	1	24	21.55	21.48	21.46	
5	16QAM	12	0	20.30	20.30	20.29	21.7
5	16QAM	12	7	20.45	20.45	20.35	
5	16QAM	12	13	20.46	20.33	20.31	
5	16QAM	25	0	20.39	20.34	20.35	
5	64QAM	1	0	20.58	20.51	20.50	21.7
5	64QAM	1	12	20.55	20.46	20.55	
5	64QAM	1	24	20.44	20.32	20.37	
5	64QAM	12	0	19.38	19.28	19.26	20.7
5	64QAM	12	7	19.30	19.39	19.40	
5	64QAM	12	13	19.28	19.34	19.33	
5	64QAM	25	0	19.27	19.38	19.44	
5	256QAM	1	0	17.48	17.38	17.38	18.7
5	256QAM	1	12	17.43	17.44	17.42	
5	256QAM	1	24	17.48	17.42	17.35	
5	256QAM	12	0	17.31	17.36	17.48	18.7
5	256QAM	12	7	17.39	17.40	17.31	
5	256QAM	12	13	17.27	17.38	17.39	
5	256QAM	25	0	17.28	17.25	17.39	

<LTE Band 30_Ant 2_TX0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		18.03		18.1
10	QPSK	1	25		17.92		
10	QPSK	1	49		17.93		
10	QPSK	25	0		18.01		18.1
10	QPSK	25	12		18.01		
10	QPSK	25	25		17.99		
10	QPSK	50	0		18.00		
10	16QAM	1	0		18.02		18.1
10	16QAM	1	25		17.97		
10	16QAM	1	49		17.92		
10	16QAM	25	0		18.01		18.1
10	16QAM	25	12		17.96		
10	16QAM	25	25		17.96		
10	16QAM	50	0		18.01		
10	64QAM	1	0		18.01		18.1
10	64QAM	1	25		17.96		
10	64QAM	1	49		17.92		
10	64QAM	25	0		17.95		18.1
10	64QAM	25	12		17.95		
10	64QAM	25	25		18.02		
10	64QAM	50	0		17.95		
10	256QAM	1	0		17.87		18.1
10	256QAM	1	25		17.84		
10	256QAM	1	49		17.94		
10	256QAM	25	0		17.86		18.1
10	256QAM	25	12		17.87		
10	256QAM	25	25		17.85		
10	256QAM	50	0		18.02		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	17.98	17.99	17.91	18.1
5	QPSK	1	12	17.80	17.91	17.86	
5	QPSK	1	24	17.73	17.86	17.81	
5	QPSK	12	0	17.88	18.01	17.88	18.1
5	QPSK	12	7	17.82	17.83	17.81	
5	QPSK	12	13	17.92	17.81	17.94	
5	QPSK	25	0	17.88	17.86	17.85	
5	16QAM	1	0	17.83	17.84	18.01	18.1
5	16QAM	1	12	17.80	17.91	17.85	
5	16QAM	1	24	17.92	17.88	17.92	
5	16QAM	12	0	17.82	17.97	17.83	18.1
5	16QAM	12	7	17.81	17.85	17.92	
5	16QAM	12	13	17.84	17.76	17.93	
5	16QAM	25	0	17.87	17.90	17.96	
5	64QAM	1	0	17.85	17.90	17.81	18.1
5	64QAM	1	12	17.87	17.89	17.77	
5	64QAM	1	24	17.86	17.88	17.89	
5	64QAM	12	0	17.77	17.88	17.95	18.1
5	64QAM	12	7	17.91	17.89	17.81	
5	64QAM	12	13	18.01	17.82	17.99	
5	64QAM	25	0	17.83	17.81	17.76	
5	256QAM	1	0	17.86	17.72	17.70	18.1
5	256QAM	1	12	17.77	17.66	17.83	
5	256QAM	1	24	17.89	17.88	17.89	
5	256QAM	12	0	17.78	17.66	17.66	18.1
5	256QAM	12	7	17.70	17.87	17.76	
5	256QAM	12	13	17.73	17.69	17.78	
5	256QAM	25	0	17.95	17.83	17.99	

<LTE Band 30_Ant 2_TX0_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		20.40		21.3
10	QPSK	1	25		20.26		
10	QPSK	1	49		20.27		
10	QPSK	25	0		20.39		21.3
10	QPSK	25	12		20.39		
10	QPSK	25	25		20.37		
10	QPSK	50	0		20.38		
10	16QAM	1	0		20.37		21.3
10	16QAM	1	25		20.39		
10	16QAM	1	49		20.34		
10	16QAM	25	0		20.35		21.3
10	16QAM	25	12		20.38		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.33		
10	64QAM	1	0		20.39		21.3
10	64QAM	1	25		20.38		
10	64QAM	1	49		20.39		
10	64QAM	25	0		19.46		20.7
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.44		
10	64QAM	50	0		19.44		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.51		
10	256QAM	1	49		17.53		
10	256QAM	25	0		17.41		18.7
10	256QAM	25	12		17.57		
10	256QAM	25	25		17.40		
10	256QAM	50	0		17.40		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.34	20.24	20.26	21.3
5	QPSK	1	12	20.23	20.14	20.26	
5	QPSK	1	24	20.11	20.09	20.12	
5	QPSK	12	0	20.19	20.25	20.24	21.3
5	QPSK	12	7	20.33	20.35	20.37	
5	QPSK	12	13	20.27	20.26	20.20	
5	QPSK	25	0	20.38	20.37	20.22	
5	16QAM	1	0	20.26	20.23	20.31	21.3
5	16QAM	1	12	20.29	20.26	20.23	
5	16QAM	1	24	20.17	20.15	20.22	
5	16QAM	12	0	20.26	20.28	20.33	21.3
5	16QAM	12	7	20.25	20.18	20.25	
5	16QAM	12	13	20.29	20.15	20.26	
5	16QAM	25	0	20.22	20.13	20.18	
5	64QAM	1	0	20.35	20.19	20.35	21.3
5	64QAM	1	12	20.34	20.38	20.36	
5	64QAM	1	24	20.21	20.29	20.25	
5	64QAM	12	0	19.40	19.31	19.43	20.7
5	64QAM	12	7	19.33	19.33	19.35	
5	64QAM	12	13	19.31	19.25	19.35	
5	64QAM	25	0	19.28	19.33	19.39	
5	256QAM	1	0	17.55	17.38	17.54	18.7
5	256QAM	1	12	17.40	17.43	17.49	
5	256QAM	1	24	17.50	17.48	17.48	
5	256QAM	12	0	17.30	17.35	17.27	18.7
5	256QAM	12	7	17.53	17.40	17.42	
5	256QAM	12	13	17.34	17.33	17.33	
5	256QAM	25	0	17.35	17.31	17.27	

<LTE Band 30_Ant 2_TX0_Index 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		20.40		20.5
10	QPSK	1	25		20.26		
10	QPSK	1	49		20.27		
10	QPSK	25	0		20.39		20.5
10	QPSK	25	12		20.39		
10	QPSK	25	25		20.37		
10	QPSK	50	0		20.38		
10	16QAM	1	0		20.37		20.5
10	16QAM	1	25		20.39		
10	16QAM	1	49		20.34		
10	16QAM	25	0		20.35		20.5
10	16QAM	25	12		20.38		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.33		
10	64QAM	1	0		20.39		20.5
10	64QAM	1	25		20.38		
10	64QAM	1	49		20.39		
10	64QAM	25	0		19.46		20.5
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.44		
10	64QAM	50	0		19.44		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.51		
10	256QAM	1	49		17.53		
10	256QAM	25	0		17.41		18.7
10	256QAM	25	12		17.57		
10	256QAM	25	25		17.40		
10	256QAM	50	0		17.40		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.34	20.24	20.26	20.5
5	QPSK	1	12	20.23	20.14	20.26	
5	QPSK	1	24	20.11	20.09	20.12	
5	QPSK	12	0	20.19	20.25	20.24	20.5
5	QPSK	12	7	20.33	20.35	20.37	
5	QPSK	12	13	20.27	20.26	20.20	
5	QPSK	25	0	20.38	20.37	20.22	
5	16QAM	1	0	20.26	20.23	20.31	20.5
5	16QAM	1	12	20.29	20.26	20.23	
5	16QAM	1	24	20.17	20.15	20.22	
5	16QAM	12	0	20.26	20.28	20.33	20.5
5	16QAM	12	7	20.25	20.18	20.25	
5	16QAM	12	13	20.29	20.15	20.26	
5	16QAM	25	0	20.22	20.13	20.18	
5	64QAM	1	0	20.35	20.19	20.35	20.5
5	64QAM	1	12	20.34	20.38	20.36	
5	64QAM	1	24	20.21	20.29	20.25	
5	64QAM	12	0	19.40	19.31	19.43	20.5
5	64QAM	12	7	19.33	19.33	19.35	
5	64QAM	12	13	19.31	19.25	19.35	
5	64QAM	25	0	19.28	19.33	19.39	
5	256QAM	1	0	17.55	17.38	17.54	18.7
5	256QAM	1	12	17.40	17.43	17.49	
5	256QAM	1	24	17.50	17.48	17.48	
5	256QAM	12	0	17.30	17.35	17.27	18.7
5	256QAM	12	7	17.53	17.40	17.42	
5	256QAM	12	13	17.34	17.33	17.33	
5	256QAM	25	0	17.35	17.31	17.27	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.50		23.7
10	QPSK	1	25		22.37		
10	QPSK	1	49		22.36		
10	QPSK	25	0		21.53		22.7
10	QPSK	25	12		21.50		
10	QPSK	25	25		21.48		
10	QPSK	50	0		21.47		
10	16QAM	1	0		21.76		22.7
10	16QAM	1	25		21.60		
10	16QAM	1	49		21.64		
10	16QAM	25	0		20.49		21.7
10	16QAM	25	12		20.51		
10	16QAM	25	25		20.48		
10	16QAM	50	0		20.45		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.58		
10	64QAM	1	49		20.49		
10	64QAM	25	0		19.46		20.7
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.44		
10	64QAM	50	0		19.44		
10	256QAM	1	0		17.55		18.7
10	256QAM	1	25		17.50		
10	256QAM	1	49		17.50		
10	256QAM	25	0		17.49		18.7
10	256QAM	25	12		17.47		
10	256QAM	25	25		17.42		
10	256QAM	50	0		17.44		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.34	22.44	22.46	23.7
5	QPSK	1	12	22.21	22.32	22.37	
5	QPSK	1	24	22.22	22.17	22.36	
5	QPSK	12	0	21.42	21.48	21.43	22.7
5	QPSK	12	7	21.46	21.36	21.36	
5	QPSK	12	13	21.44	21.33	21.28	
5	QPSK	25	0	21.35	21.43	21.38	
5	16QAM	1	0	21.60	21.59	21.58	22.7
5	16QAM	1	12	21.50	21.53	21.42	
5	16QAM	1	24	21.55	21.48	21.46	
5	16QAM	12	0	20.30	20.30	20.29	21.7
5	16QAM	12	7	20.45	20.45	20.35	
5	16QAM	12	13	20.46	20.33	20.31	
5	16QAM	25	0	20.39	20.34	20.35	
5	64QAM	1	0	20.58	20.51	20.50	21.7
5	64QAM	1	12	20.55	20.46	20.55	
5	64QAM	1	24	20.44	20.32	20.37	
5	64QAM	12	0	19.38	19.28	19.26	20.7
5	64QAM	12	7	19.30	19.39	19.40	
5	64QAM	12	13	19.28	19.34	19.33	
5	64QAM	25	0	19.27	19.38	19.44	
5	256QAM	1	0	17.48	17.38	17.38	18.7
5	256QAM	1	12	17.43	17.44	17.42	
5	256QAM	1	24	17.48	17.42	17.35	
5	256QAM	12	0	17.31	17.36	17.48	18.7
5	256QAM	12	7	17.39	17.40	17.31	
5	256QAM	12	13	17.27	17.38	17.39	
5	256QAM	25	0	17.28	17.25	17.39	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		18.92		19
10	QPSK	1	25		18.76		
10	QPSK	1	49		18.84		
10	QPSK	25	0		18.86		19
10	QPSK	25	12		18.75		
10	QPSK	25	25		18.68		
10	QPSK	50	0		18.82		
10	16QAM	1	0		18.91		19
10	16QAM	1	25		18.76		
10	16QAM	1	49		18.79		
10	16QAM	25	0		18.70		19
10	16QAM	25	12		18.81		
10	16QAM	25	25		18.91		
10	16QAM	50	0		18.81		
10	64QAM	1	0		18.88		19
10	64QAM	1	25		18.82		
10	64QAM	1	49		18.83		
10	64QAM	25	0		18.83		19
10	64QAM	25	12		18.86		
10	64QAM	25	25		18.87		
10	64QAM	50	0		18.85		
10	256QAM	1	0		17.32		18.7
10	256QAM	1	25		17.22		
10	256QAM	1	49		17.41		
10	256QAM	25	0		17.38		18.7
10	256QAM	25	12		17.33		
10	256QAM	25	25		17.37		
10	256QAM	50	0		17.32		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	18.83	18.72	18.92	19
5	QPSK	1	12	18.75	18.56	18.76	
5	QPSK	1	24	18.83	18.77	18.65	
5	QPSK	12	0	18.80	18.80	18.70	19
5	QPSK	12	7	18.70	18.75	18.55	
5	QPSK	12	13	18.59	18.50	18.61	
5	QPSK	25	0	18.73	18.66	18.71	
5	16QAM	1	0	18.83	18.82	18.75	19
5	16QAM	1	12	18.59	18.64	18.65	
5	16QAM	1	24	18.71	18.66	18.59	
5	16QAM	12	0	18.65	18.51	18.66	19
5	16QAM	12	7	18.69	18.80	18.72	
5	16QAM	12	13	18.74	18.76	18.87	
5	16QAM	25	0	18.66	18.75	18.79	
5	64QAM	1	0	18.72	18.78	18.81	19
5	64QAM	1	12	18.77	18.65	18.74	
5	64QAM	1	24	18.63	18.66	18.72	
5	64QAM	12	0	18.67	18.65	18.82	19
5	64QAM	12	7	18.78	18.82	18.69	
5	64QAM	12	13	18.71	18.72	18.87	
5	64QAM	25	0	18.65	18.69	18.65	
5	256QAM	1	0	17.13	17.14	17.22	18.7
5	256QAM	1	12	17.05	17.13	17.10	
5	256QAM	1	24	17.37	17.28	17.30	
5	256QAM	12	0	17.25	17.27	17.18	18.7
5	256QAM	12	7	17.22	17.26	17.18	
5	256QAM	12	13	17.22	17.31	17.36	
5	256QAM	25	0	17.17	17.14	17.21	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		20.37		21.5
10	QPSK	1	25		20.17		
10	QPSK	1	49		20.27		
10	QPSK	25	0		20.31		21.5
10	QPSK	25	12		20.25		
10	QPSK	25	25		20.17		
10	QPSK	50	0		20.23		
10	16QAM	1	0		20.32		21.5
10	16QAM	1	25		20.18		
10	16QAM	1	49		20.26		
10	16QAM	25	0		20.18		21.5
10	16QAM	25	12		20.27		
10	16QAM	25	25		20.36		
10	16QAM	50	0		20.24		
10	64QAM	1	0		20.31		21.5
10	64QAM	1	25		20.25		
10	64QAM	1	49		20.28		
10	64QAM	25	0		19.39		20.7
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.41		
10	64QAM	50	0		19.39		
10	256QAM	1	0		17.48		18.7
10	256QAM	1	25		17.40		
10	256QAM	1	49		17.58		
10	256QAM	25	0		17.56		18.7
10	256QAM	25	12		17.52		
10	256QAM	25	25		17.48		
10	256QAM	50	0		17.43		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.20	20.26	20.19	21.5
5	QPSK	1	12	20.13	20.05	19.99	
5	QPSK	1	24	20.12	20.20	20.27	
5	QPSK	12	0	20.15	20.22	20.16	21.5
5	QPSK	12	7	20.24	20.07	20.22	
5	QPSK	12	13	20.06	19.97	20.17	
5	QPSK	25	0	20.03	20.16	20.08	
5	16QAM	1	0	20.25	20.27	20.15	21.5
5	16QAM	1	12	20.06	20.17	19.98	
5	16QAM	1	24	20.10	20.23	20.08	
5	16QAM	12	0	19.98	20.07	20.02	21.5
5	16QAM	12	7	20.26	20.21	20.15	
5	16QAM	12	13	20.31	20.22	20.29	
5	16QAM	25	0	20.12	20.14	20.07	
5	64QAM	1	0	20.19	20.14	20.23	21.5
5	64QAM	1	12	20.16	20.05	20.09	
5	64QAM	1	24	20.27	20.21	20.12	
5	64QAM	12	0	19.23	19.37	19.38	20.7
5	64QAM	12	7	19.33	19.44	19.27	
5	64QAM	12	13	19.33	19.28	19.26	
5	64QAM	25	0	19.20	19.22	19.29	
5	256QAM	1	0	17.46	17.47	17.41	18.7
5	256QAM	1	12	17.36	17.35	17.35	
5	256QAM	1	24	17.46	17.41	17.38	
5	256QAM	12	0	17.54	17.51	17.48	18.7
5	256QAM	12	7	17.35	17.43	17.37	
5	256QAM	12	13	17.38	17.29	17.36	
5	256QAM	25	0	17.28	17.33	17.23	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		20.37		20.7
10	QPSK	1	25		20.17		
10	QPSK	1	49		20.27		
10	QPSK	25	0		20.31		20.7
10	QPSK	25	12		20.25		
10	QPSK	25	25		20.17		
10	QPSK	50	0		20.23		
10	16QAM	1	0		20.32		20.7
10	16QAM	1	25		20.18		
10	16QAM	1	49		20.26		
10	16QAM	25	0		20.18		20.7
10	16QAM	25	12		20.27		
10	16QAM	25	25		20.36		
10	16QAM	50	0		20.24		
10	64QAM	1	0		20.31		20.7
10	64QAM	1	25		20.25		
10	64QAM	1	49		20.28		
10	64QAM	25	0		19.39		20.7
10	64QAM	25	12		19.45		
10	64QAM	25	25		19.41		
10	64QAM	50	0		19.39		
10	256QAM	1	0		17.48		18.7
10	256QAM	1	25		17.40		
10	256QAM	1	49		17.58		
10	256QAM	25	0		17.56		18.7
10	256QAM	25	12		17.52		
10	256QAM	25	25		17.48		
10	256QAM	50	0		17.43		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	20.20	20.26	20.19	20.7
5	QPSK	1	12	20.13	20.05	19.99	
5	QPSK	1	24	20.12	20.20	20.27	
5	QPSK	12	0	20.15	20.22	20.16	20.7
5	QPSK	12	7	20.24	20.07	20.22	
5	QPSK	12	13	20.06	19.97	20.17	
5	QPSK	25	0	20.03	20.16	20.08	
5	16QAM	1	0	20.25	20.27	20.15	20.7
5	16QAM	1	12	20.06	20.17	19.98	
5	16QAM	1	24	20.10	20.23	20.08	
5	16QAM	12	0	19.98	20.07	20.02	20.7
5	16QAM	12	7	20.26	20.21	20.15	
5	16QAM	12	13	20.31	20.22	20.29	
5	16QAM	25	0	20.12	20.14	20.07	
5	64QAM	1	0	20.19	20.14	20.23	20.7
5	64QAM	1	12	20.16	20.05	20.09	
5	64QAM	1	24	20.27	20.21	20.12	
5	64QAM	12	0	19.23	19.37	19.38	20.7
5	64QAM	12	7	19.33	19.44	19.27	
5	64QAM	12	13	19.33	19.28	19.26	
5	64QAM	25	0	19.20	19.22	19.29	
5	256QAM	1	0	17.46	17.47	17.41	18.7
5	256QAM	1	12	17.36	17.35	17.35	
5	256QAM	1	24	17.46	17.41	17.38	
5	256QAM	12	0	17.54	17.51	17.48	18.7
5	256QAM	12	7	17.35	17.43	17.37	
5	256QAM	12	13	17.38	17.29	17.36	
5	256QAM	25	0	17.28	17.33	17.23	

<LTE Band 30_Ant 0_TX1_Index 2/3/4/5/6>

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		22.49		23.7
10	QPSK	1	25		22.33		
10	QPSK	1	49		22.28		
10	QPSK	25	0		21.38		22.7
10	QPSK	25	12		21.37		
10	QPSK	25	25		21.36		
10	QPSK	50	0		21.34		
10	16QAM	1	0		21.72		22.7
10	16QAM	1	25		21.65		
10	16QAM	1	49		21.53		
10	16QAM	25	0		20.39		21.7
10	16QAM	25	12		20.39		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.34		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.46		
10	64QAM	1	49		20.50		
10	64QAM	25	0		19.40		20.7
10	64QAM	25	12		19.37		
10	64QAM	25	25		19.33		
10	64QAM	50	0		19.37		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.38		
10	256QAM	1	49		17.35		
10	256QAM	25	0		17.40		18.7
10	256QAM	25	12		17.37		
10	256QAM	25	25		17.35		
10	256QAM	50	0		17.38		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.45	22.32	22.44	23.7
5	QPSK	1	12	22.15	22.15	22.14	
5	QPSK	1	24	22.18	22.21	22.10	
5	QPSK	12	0	21.20	21.22	21.30	22.7
5	QPSK	12	7	21.26	21.19	21.30	
5	QPSK	12	13	21.21	21.32	21.22	
5	QPSK	25	0	21.34	21.32	21.19	
5	16QAM	1	0	21.55	21.63	21.70	22.7
5	16QAM	1	12	21.65	21.58	21.64	
5	16QAM	1	24	21.36	21.53	21.47	
5	16QAM	12	0	20.23	20.32	20.20	21.7
5	16QAM	12	7	20.25	20.33	20.37	
5	16QAM	12	13	20.26	20.21	20.34	
5	16QAM	25	0	20.27	20.29	20.24	
5	64QAM	1	0	20.49	20.46	20.46	21.7
5	64QAM	1	12	20.34	20.38	20.35	
5	64QAM	1	24	20.46	20.49	20.38	
5	64QAM	12	0	19.27	19.38	19.35	20.7
5	64QAM	12	7	19.17	19.21	19.37	
5	64QAM	12	13	19.19	19.15	19.26	
5	64QAM	25	0	19.26	19.20	19.24	
5	256QAM	1	0	17.53	17.40	17.53	18.7
5	256QAM	1	12	17.34	17.35	17.30	
5	256QAM	1	24	17.16	17.16	17.22	
5	256QAM	12	0	17.21	17.35	17.23	18.7
5	256QAM	12	7	17.18	17.26	17.20	
5	256QAM	12	13	17.33	17.24	17.17	
5	256QAM	25	0	17.25	17.22	17.25	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.49		23.7
10	QPSK	1	25		22.33		
10	QPSK	1	49		22.28		
10	QPSK	25	0		21.38		22.7
10	QPSK	25	12		21.37		
10	QPSK	25	25		21.36		
10	QPSK	50	0		21.34		
10	16QAM	1	0		21.72		22.7
10	16QAM	1	25		21.65		
10	16QAM	1	49		21.53		
10	16QAM	25	0		20.39		21.7
10	16QAM	25	12		20.39		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.34		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.46		
10	64QAM	1	49		20.50		
10	64QAM	25	0		19.40		20.7
10	64QAM	25	12		19.37		
10	64QAM	25	25		19.33		
10	64QAM	50	0		19.37		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.38		
10	256QAM	1	49		17.35		
10	256QAM	25	0		17.40		18.7
10	256QAM	25	12		17.37		
10	256QAM	25	25		17.35		
10	256QAM	50	0		17.38		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.45	22.32	22.44	23.7
5	QPSK	1	12	22.15	22.15	22.14	
5	QPSK	1	24	22.18	22.21	22.10	
5	QPSK	12	0	21.20	21.22	21.30	22.7
5	QPSK	12	7	21.26	21.19	21.30	
5	QPSK	12	13	21.21	21.32	21.22	
5	QPSK	25	0	21.34	21.32	21.19	
5	16QAM	1	0	21.55	21.63	21.70	22.7
5	16QAM	1	12	21.65	21.58	21.64	
5	16QAM	1	24	21.36	21.53	21.47	
5	16QAM	12	0	20.23	20.32	20.20	21.7
5	16QAM	12	7	20.25	20.33	20.37	
5	16QAM	12	13	20.26	20.21	20.34	
5	16QAM	25	0	20.27	20.29	20.24	
5	64QAM	1	0	20.49	20.46	20.46	21.7
5	64QAM	1	12	20.34	20.38	20.35	
5	64QAM	1	24	20.46	20.49	20.38	
5	64QAM	12	0	19.27	19.38	19.35	20.7
5	64QAM	12	7	19.17	19.21	19.37	
5	64QAM	12	13	19.19	19.15	19.26	
5	64QAM	25	0	19.26	19.20	19.24	
5	256QAM	1	0	17.53	17.40	17.53	18.7
5	256QAM	1	12	17.34	17.35	17.30	
5	256QAM	1	24	17.16	17.16	17.22	
5	256QAM	12	0	17.21	17.35	17.23	18.7
5	256QAM	12	7	17.18	17.26	17.20	
5	256QAM	12	13	17.33	17.24	17.17	
5	256QAM	25	0	17.25	17.22	17.25	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.49		22.6
10	QPSK	1	25		22.33		
10	QPSK	1	49		22.28		
10	QPSK	25	0		21.38		22.6
10	QPSK	25	12		21.37		
10	QPSK	25	25		21.36		
10	QPSK	50	0		21.34		
10	16QAM	1	0		21.72		22.6
10	16QAM	1	25		21.65		
10	16QAM	1	49		21.53		
10	16QAM	25	0		20.39		21.7
10	16QAM	25	12		20.39		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.34		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.46		
10	64QAM	1	49		20.50		
10	64QAM	25	0		19.40		20.7
10	64QAM	25	12		19.37		
10	64QAM	25	25		19.33		
10	64QAM	50	0		19.37		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.38		
10	256QAM	1	49		17.35		
10	256QAM	25	0		17.40		18.7
10	256QAM	25	12		17.37		
10	256QAM	25	25		17.35		
10	256QAM	50	0		17.38		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.45	22.32	22.44	22.6
5	QPSK	1	12	22.15	22.15	22.14	
5	QPSK	1	24	22.18	22.21	22.10	
5	QPSK	12	0	21.20	21.22	21.30	22.6
5	QPSK	12	7	21.26	21.19	21.30	
5	QPSK	12	13	21.21	21.32	21.22	
5	QPSK	25	0	21.34	21.32	21.19	
5	16QAM	1	0	21.55	21.63	21.70	22.6
5	16QAM	1	12	21.65	21.58	21.64	
5	16QAM	1	24	21.36	21.53	21.47	
5	16QAM	12	0	20.23	20.32	20.20	21.7
5	16QAM	12	7	20.25	20.33	20.37	
5	16QAM	12	13	20.26	20.21	20.34	
5	16QAM	25	0	20.27	20.29	20.24	
5	64QAM	1	0	20.49	20.46	20.46	21.7
5	64QAM	1	12	20.34	20.38	20.35	
5	64QAM	1	24	20.46	20.49	20.38	
5	64QAM	12	0	19.27	19.38	19.35	20.7
5	64QAM	12	7	19.17	19.21	19.37	
5	64QAM	12	13	19.19	19.15	19.26	
5	64QAM	25	0	19.26	19.20	19.24	
5	256QAM	1	0	17.53	17.40	17.53	18.7
5	256QAM	1	12	17.34	17.35	17.30	
5	256QAM	1	24	17.16	17.16	17.22	
5	256QAM	12	0	17.21	17.35	17.23	18.7
5	256QAM	12	7	17.18	17.26	17.20	
5	256QAM	12	13	17.33	17.24	17.17	
5	256QAM	25	0	17.25	17.22	17.25	

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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					27710		
Frequency (MHz)					2310		
10	QPSK	1	0		22.49		23.4
10	QPSK	1	25		22.33		
10	QPSK	1	49		22.28		
10	QPSK	25	0		21.38		22.7
10	QPSK	25	12		21.37		
10	QPSK	25	25		21.36		
10	QPSK	50	0		21.34		
10	16QAM	1	0		21.72		22.7
10	16QAM	1	25		21.65		
10	16QAM	1	49		21.53		
10	16QAM	25	0		20.39		21.7
10	16QAM	25	12		20.39		
10	16QAM	25	25		20.35		
10	16QAM	50	0		20.34		
10	64QAM	1	0		20.61		21.7
10	64QAM	1	25		20.46		
10	64QAM	1	49		20.50		
10	64QAM	25	0		19.40		20.7
10	64QAM	25	12		19.37		
10	64QAM	25	25		19.33		
10	64QAM	50	0		19.37		
10	256QAM	1	0		17.56		18.7
10	256QAM	1	25		17.38		
10	256QAM	1	49		17.35		
10	256QAM	25	0		17.40		18.7
10	256QAM	25	12		17.37		
10	256QAM	25	25		17.35		
10	256QAM	50	0		17.38		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.45	22.32	22.44	23.4
5	QPSK	1	12	22.15	22.15	22.14	
5	QPSK	1	24	22.18	22.21	22.10	
5	QPSK	12	0	21.20	21.22	21.30	22.7
5	QPSK	12	7	21.26	21.19	21.30	
5	QPSK	12	13	21.21	21.32	21.22	
5	QPSK	25	0	21.34	21.32	21.19	
5	16QAM	1	0	21.55	21.63	21.70	22.7
5	16QAM	1	12	21.65	21.58	21.64	
5	16QAM	1	24	21.36	21.53	21.47	
5	16QAM	12	0	20.23	20.32	20.20	21.7
5	16QAM	12	7	20.25	20.33	20.37	
5	16QAM	12	13	20.26	20.21	20.34	
5	16QAM	25	0	20.27	20.29	20.24	
5	64QAM	1	0	20.49	20.46	20.46	21.7
5	64QAM	1	12	20.34	20.38	20.35	
5	64QAM	1	24	20.46	20.49	20.38	
5	64QAM	12	0	19.27	19.38	19.35	20.7
5	64QAM	12	7	19.17	19.21	19.37	
5	64QAM	12	13	19.19	19.15	19.26	
5	64QAM	25	0	19.26	19.20	19.24	
5	256QAM	1	0	17.53	17.40	17.53	18.7
5	256QAM	1	12	17.34	17.35	17.30	
5	256QAM	1	24	17.16	17.16	17.22	
5	256QAM	12	0	17.21	17.35	17.23	18.7
5	256QAM	12	7	17.18	17.26	17.20	
5	256QAM	12	13	17.33	17.24	17.17	
5	256QAM	25	0	17.25	17.22	17.25	

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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	24.79	24.83	24.66	25.7
20	QPSK	1	49	24.71	24.70	24.65	
20	QPSK	1	99	24.77	24.45	24.30	
20	QPSK	50	0	23.84	23.85	23.82	24.7
20	QPSK	50	24	23.82	23.82	23.69	
20	QPSK	50	50	23.80	23.78	23.54	
20	QPSK	100	0	23.71	23.88	23.65	
20	16QAM	1	0	23.97	24.14	24.31	24.7
20	16QAM	1	49	24.02	23.95	23.90	
20	16QAM	1	99	24.13	23.83	23.62	
20	16QAM	50	0	22.81	22.83	22.79	23.7
20	16QAM	50	24	22.84	22.76	22.68	
20	16QAM	50	50	22.86	22.68	22.52	
20	16QAM	100	0	22.83	22.70	22.64	
20	64QAM	1	0	22.99	23.01	23.21	23.7
20	64QAM	1	49	22.96	22.80	22.79	
20	64QAM	1	99	23.04	22.84	22.64	
20	64QAM	50	0	21.84	21.82	21.82	22.7
20	64QAM	50	24	21.86	21.77	21.69	
20	64QAM	50	50	21.86	21.70	21.54	
20	64QAM	100	0	21.83	21.72	21.65	
20	256QAM	1	0	19.82	19.66	19.85	20.7
20	256QAM	1	49	19.77	19.64	19.83	
20	256QAM	1	99	19.84	19.71	19.83	
20	256QAM	50	0	19.66	19.52	19.65	20.7
20	256QAM	50	24	19.73	19.62	19.75	
20	256QAM	50	50	19.74	19.61	19.79	
20	256QAM	100	0	19.66	19.59	19.73	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.60	24.67	24.46	25.7
15	QPSK	1	37	24.62	24.52	24.52	
15	QPSK	1	74	24.61	24.44	24.10	
15	QPSK	36	0	23.72	23.66	23.67	24.7
15	QPSK	36	20	23.68	23.81	23.50	
15	QPSK	36	39	23.65	23.65	23.39	
15	QPSK	75	0	23.61	23.80	23.61	
15	16QAM	1	0	23.94	23.94	24.30	24.7
15	16QAM	1	37	23.83	23.81	23.74	
15	16QAM	1	74	23.98	23.63	23.44	
15	16QAM	36	0	22.62	22.77	22.59	23.7
15	16QAM	36	20	22.67	22.59	22.59	
15	16QAM	36	39	22.80	22.52	22.45	
15	16QAM	75	0	22.73	22.64	22.59	
15	64QAM	1	0	22.97	22.95	23.17	23.7
15	64QAM	1	37	22.76	22.68	22.61	
15	64QAM	1	74	22.96	22.74	22.48	
15	64QAM	36	0	21.64	21.62	21.81	22.7
15	64QAM	36	20	21.81	21.70	21.54	
15	64QAM	36	39	21.85	21.62	21.46	
15	64QAM	75	0	21.82	21.70	21.60	
15	256QAM	1	0	19.74	19.48	19.85	20.7
15	256QAM	1	37	19.71	19.57	19.77	
15	256QAM	1	74	19.70	19.71	19.67	
15	256QAM	36	0	19.55	19.51	19.65	20.7
15	256QAM	36	20	19.65	19.60	19.58	
15	256QAM	36	39	19.70	19.57	19.72	

15	256QAM	75	0	19.54	19.49	19.72	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.59	24.76	24.57	25.7
10	QPSK	1	25	24.55	24.67	24.54	
10	QPSK	1	49	24.58	24.30	24.22	
10	QPSK	25	0	23.75	23.79	23.67	24.7
10	QPSK	25	12	23.73	23.67	23.51	
10	QPSK	25	25	23.72	23.72	23.40	
10	QPSK	50	0	23.51	23.73	23.46	
10	16QAM	1	0	23.87	23.96	24.19	24.7
10	16QAM	1	25	23.86	23.75	23.73	
10	16QAM	1	49	24.03	23.74	23.49	
10	16QAM	25	0	22.64	22.80	22.71	23.7
10	16QAM	25	12	22.74	22.72	22.61	
10	16QAM	25	25	22.82	22.48	22.47	
10	16QAM	50	0	22.77	22.67	22.60	
10	64QAM	1	0	22.83	22.87	23.10	23.7
10	64QAM	1	25	22.78	22.66	22.79	
10	64QAM	1	49	22.88	22.81	22.61	
10	64QAM	25	0	21.81	21.80	21.71	22.7
10	64QAM	25	12	21.77	21.64	21.62	
10	64QAM	25	25	21.84	21.68	21.44	
10	64QAM	50	0	21.74	21.58	21.53	
10	256QAM	1	0	19.82	19.53	19.69	20.7
10	256QAM	1	25	19.74	19.49	19.66	
10	256QAM	1	49	19.64	19.60	19.79	
10	256QAM	25	0	19.62	19.36	19.50	20.7
10	256QAM	25	12	19.60	19.48	19.67	
10	256QAM	25	25	19.70	19.51	19.75	
10	256QAM	50	0	19.62	19.57	19.58	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.59	24.76	24.51	25.7
5	QPSK	1	12	24.56	24.57	24.57	
5	QPSK	1	24	24.71	24.41	24.30	
5	QPSK	12	0	23.81	23.66	23.78	24.7
5	QPSK	12	7	23.71	23.63	23.63	
5	QPSK	12	13	23.78	23.76	23.45	
5	QPSK	25	0	23.54	23.70	23.63	
5	16QAM	1	0	23.92	23.94	24.24	24.7
5	16QAM	1	12	24.02	23.94	23.84	
5	16QAM	1	24	24.11	23.78	23.50	
5	16QAM	12	0	22.70	22.71	22.73	23.7
5	16QAM	12	7	22.78	22.58	22.52	
5	16QAM	12	13	22.81	22.53	22.43	
5	16QAM	25	0	22.74	22.66	22.45	
5	64QAM	1	0	22.94	22.91	23.10	23.7
5	64QAM	1	12	22.76	22.74	22.72	
5	64QAM	1	24	22.86	22.83	22.49	
5	64QAM	12	0	21.83	21.81	21.74	22.7
5	64QAM	12	7	21.69	21.67	21.50	
5	64QAM	12	13	21.69	21.65	21.54	
5	64QAM	25	0	21.75	21.61	21.62	
5	256QAM	1	0	19.72	19.66	19.68	20.7
5	256QAM	1	12	19.64	19.54	19.64	
5	256QAM	1	24	19.77	19.66	19.66	
5	256QAM	12	0	19.49	19.37	19.61	20.7
5	256QAM	12	7	19.70	19.52	19.74	
5	256QAM	12	13	19.72	19.55	19.79	
5	256QAM	25	0	19.60	19.48	19.58	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.70	24.74	24.61	25.7
3	QPSK	1	8	24.67	24.64	24.65	
3	QPSK	1	14	24.68	24.30	24.10	
3	QPSK	8	0	23.69	23.77	23.74	24.7
3	QPSK	8	4	23.81	23.76	23.68	
3	QPSK	8	7	23.78	23.78	23.50	
3	QPSK	15	0	23.71	23.73	23.63	
3	16QAM	1	0	23.97	24.13	24.25	24.7
3	16QAM	1	8	23.96	23.93	23.83	
3	16QAM	1	14	24.05	23.64	23.49	
3	16QAM	8	0	22.72	22.65	22.70	23.7
3	16QAM	8	4	22.74	22.72	22.63	
3	16QAM	8	7	22.69	22.63	22.48	
3	16QAM	15	0	22.74	22.68	22.56	
3	64QAM	1	0	22.79	22.81	23.16	23.7
3	64QAM	1	8	22.92	22.78	22.69	
3	64QAM	1	14	22.87	22.82	22.44	
3	64QAM	8	0	21.70	21.64	21.76	22.7
3	64QAM	8	4	21.69	21.75	21.63	
3	64QAM	8	7	21.77	21.59	21.38	
3	64QAM	15	0	21.73	21.52	21.51	
3	256QAM	1	0	19.77	19.62	19.69	20.7
3	256QAM	1	8	19.68	19.59	19.73	
3	256QAM	1	14	19.73	19.66	19.71	
3	256QAM	8	0	19.46	19.37	19.49	20.7
3	256QAM	8	4	19.58	19.59	19.57	
3	256QAM	8	7	19.67	19.42	19.70	
3	256QAM	15	0	19.58	19.42	19.73	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.70	24.64	24.57	25.7
1.4	QPSK	1	3	24.57	24.56	24.52	
1.4	QPSK	1	5	24.57	24.42	24.19	
1.4	QPSK	3	0	24.63	24.82	24.63	
1.4	QPSK	3	1	24.70	24.55	24.55	
1.4	QPSK	3	3	24.59	24.28	24.11	
1.4	QPSK	6	0	23.82	23.69	23.80	24.7
1.4	16QAM	1	0	23.77	23.82	23.50	24.7
1.4	16QAM	1	3	23.62	23.70	23.37	
1.4	16QAM	1	5	23.69	23.70	23.53	
1.4	16QAM	3	0	23.78	23.94	24.14	
1.4	16QAM	3	1	24.01	23.86	23.73	
1.4	16QAM	3	3	23.95	23.73	23.51	
1.4	16QAM	6	0	22.73	22.78	22.61	23.7
1.4	64QAM	1	0	22.75	22.69	22.65	23.7
1.4	64QAM	1	3	22.78	22.50	22.44	
1.4	64QAM	1	5	22.64	22.69	22.46	
1.4	64QAM	3	0	22.91	22.98	23.12	
1.4	64QAM	3	1	22.78	22.79	22.68	
1.4	64QAM	3	3	22.95	22.68	22.51	
1.4	64QAM	6	0	21.73	21.78	21.68	22.7
1.4	256QAM	1	0	19.78	19.65	19.67	20.7
1.4	256QAM	1	3	19.63	19.57	19.82	
1.4	256QAM	1	5	19.76	19.55	19.68	
1.4	256QAM	3	0	19.53	19.36	19.49	
1.4	256QAM	3	1	19.58	19.56	19.61	
1.4	256QAM	3	3	19.58	19.43	19.73	
1.4	256QAM	6	0	19.53	19.42	19.63	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.35	19.37	19.39	19.5
20	QPSK	1	49	19.30	19.36	19.26	
20	QPSK	1	99	19.33	19.03	18.84	
20	QPSK	50	0	19.36	19.35	19.37	19.5
20	QPSK	50	24	19.30	19.27	19.25	
20	QPSK	50	50	19.35	19.17	19.10	
20	QPSK	100	0	19.25	19.30	19.31	
20	16QAM	1	0	19.23	19.25	19.31	19.5
20	16QAM	1	49	19.22	19.31	19.14	
20	16QAM	1	99	19.17	19.08	18.77	
20	16QAM	50	0	19.36	19.34	19.36	19.5
20	16QAM	50	24	19.29	19.28	19.23	
20	16QAM	50	50	19.30	19.20	19.07	
20	16QAM	100	0	19.36	19.26	19.20	
20	64QAM	1	0	19.15	19.26	19.37	19.5
20	64QAM	1	49	19.16	19.05	19.12	
20	64QAM	1	99	19.07	18.94	18.68	
20	64QAM	50	0	19.29	19.38	19.30	19.5
20	64QAM	50	24	19.31	19.31	19.25	
20	64QAM	50	50	19.30	19.24	19.09	
20	64QAM	100	0	19.37	19.27	19.21	
20	256QAM	1	0	19.17	19.26	19.24	19.5
20	256QAM	1	49	19.28	19.34	19.11	
20	256QAM	1	99	19.14	19.37	19.23	
20	256QAM	50	0	19.17	19.29	19.30	19.5
20	256QAM	50	24	19.15	19.25	19.24	
20	256QAM	50	50	19.23	19.32	19.17	
20	256QAM	100	0	19.09	19.26	19.27	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.35	19.33	19.26	19.5
15	QPSK	1	37	19.16	19.32	19.24	
15	QPSK	1	74	19.13	18.87	18.65	
15	QPSK	36	0	19.26	19.24	19.33	19.5
15	QPSK	36	20	19.17	19.27	19.08	
15	QPSK	36	39	19.16	19.07	19.08	
15	QPSK	75	0	19.20	19.15	19.23	
15	16QAM	1	0	19.10	19.21	19.15	19.5
15	16QAM	1	37	19.02	19.15	19.13	
15	16QAM	1	74	19.16	18.89	18.72	
15	16QAM	36	0	19.34	19.28	19.27	19.5
15	16QAM	36	20	19.16	19.27	19.03	
15	16QAM	36	39	19.11	19.20	19.00	
15	16QAM	75	0	19.17	19.07	19.11	
15	64QAM	1	0	19.07	19.13	19.21	19.5
15	64QAM	1	37	19.10	18.96	18.96	
15	64QAM	1	74	18.88	18.94	18.52	
15	64QAM	36	0	19.13	19.26	19.14	19.5
15	64QAM	36	20	19.25	19.27	19.17	
15	64QAM	36	39	19.30	19.12	18.98	
15	64QAM	75	0	19.26	19.26	19.14	
15	256QAM	1	0	19.02	19.24	19.07	19.5
15	256QAM	1	37	19.14	19.29	19.11	
15	256QAM	1	74	18.99	19.35	19.04	
15	256QAM	36	0	19.02	19.18	19.30	19.5
15	256QAM	36	20	18.97	19.14	19.10	
15	256QAM	36	39	19.19	19.22	19.04	

15	256QAM	75	0	18.89	19.24	19.15	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.21	19.32	19.24	19.5
10	QPSK	1	25	19.19	19.32	19.09	
10	QPSK	1	49	19.21	18.92	18.74	
10	QPSK	25	0	19.16	19.16	19.17	19.5
10	QPSK	25	12	19.21	19.18	19.19	
10	QPSK	25	25	19.32	19.00	19.07	
10	QPSK	50	0	19.16	19.18	19.30	
10	16QAM	1	0	19.18	19.24	19.19	19.5
10	16QAM	1	25	19.12	19.24	18.99	
10	16QAM	1	49	19.14	18.99	18.76	
10	16QAM	25	0	19.36	19.27	19.27	19.5
10	16QAM	25	12	19.17	19.14	19.06	
10	16QAM	25	25	19.13	19.12	18.91	
10	16QAM	50	0	19.18	19.17	19.05	
10	64QAM	1	0	19.08	19.07	19.21	19.5
10	64QAM	1	25	19.16	18.88	19.00	
10	64QAM	1	49	19.07	18.86	18.62	
10	64QAM	25	0	19.17	19.25	19.29	19.5
10	64QAM	25	12	19.21	19.26	19.09	
10	64QAM	25	25	19.19	19.07	18.90	
10	64QAM	50	0	19.30	19.26	19.18	
10	256QAM	1	0	18.99	19.15	19.07	19.5
10	256QAM	1	25	19.12	19.21	19.07	
10	256QAM	1	49	19.06	19.20	19.12	
10	256QAM	25	0	19.13	19.27	19.26	19.5
10	256QAM	25	12	18.98	19.11	19.22	
10	256QAM	25	25	19.20	19.21	19.09	
10	256QAM	50	0	19.08	19.18	19.08	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.15	19.18	19.27	19.5
5	QPSK	1	12	19.30	19.26	19.07	
5	QPSK	1	24	19.22	18.85	18.77	
5	QPSK	12	0	19.25	19.28	19.36	19.5
5	QPSK	12	7	19.23	19.13	19.08	
5	QPSK	12	13	19.25	19.15	18.91	
5	QPSK	25	0	19.25	19.19	19.16	
5	16QAM	1	0	19.15	19.10	19.31	19.5
5	16QAM	1	12	19.08	19.16	18.99	
5	16QAM	1	24	19.08	19.05	18.65	
5	16QAM	12	0	19.33	19.29	19.22	19.5
5	16QAM	12	7	19.25	19.08	19.11	
5	16QAM	12	13	19.29	19.17	18.93	
5	16QAM	25	0	19.31	19.12	19.05	
5	64QAM	1	0	19.08	19.18	19.28	19.5
5	64QAM	1	12	19.02	18.92	19.02	
5	64QAM	1	24	19.02	18.83	18.55	
5	64QAM	12	0	19.20	19.31	19.13	19.5
5	64QAM	12	7	19.29	19.20	19.18	
5	64QAM	12	13	19.28	19.20	18.92	
5	64QAM	25	0	19.28	19.16	19.12	
5	256QAM	1	0	19.14	19.26	19.12	19.5
5	256QAM	1	12	19.21	19.31	18.99	
5	256QAM	1	24	18.99	19.22	19.04	
5	256QAM	12	0	19.17	19.19	19.18	19.5
5	256QAM	12	7	19.03	19.18	19.22	
5	256QAM	12	13	19.10	19.25	19.09	
5	256QAM	25	0	18.89	19.07	19.27	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.26	19.22	19.22	19.5
3	QPSK	1	8	19.25	19.31	19.21	
3	QPSK	1	14	19.22	18.87	18.72	
3	QPSK	8	0	19.29	19.32	19.32	19.5
3	QPSK	8	4	19.28	19.27	19.11	
3	QPSK	8	7	19.31	19.02	19.05	
3	QPSK	15	0	19.17	19.19	19.27	
3	16QAM	1	0	19.16	19.09	19.24	19.5
3	16QAM	1	8	19.12	19.15	19.05	
3	16QAM	1	14	19.06	18.88	18.77	
3	16QAM	8	0	19.21	19.18	19.26	19.5
3	16QAM	8	4	19.18	19.17	19.04	
3	16QAM	8	7	19.26	19.14	19.00	
3	16QAM	15	0	19.36	19.26	19.12	
3	64QAM	1	0	19.05	19.19	19.27	19.5
3	64QAM	1	8	19.06	18.97	19.00	
3	64QAM	1	14	18.91	18.94	18.51	
3	64QAM	8	0	19.27	19.23	19.20	19.5
3	64QAM	8	4	19.27	19.11	19.22	
3	64QAM	8	7	19.23	19.09	18.99	
3	64QAM	15	0	19.26	19.08	19.07	
3	256QAM	1	0	19.10	19.15	19.21	19.5
3	256QAM	1	8	19.27	19.15	18.97	
3	256QAM	1	14	19.03	19.18	19.22	
3	256QAM	8	0	19.14	19.27	19.30	19.5
3	256QAM	8	4	19.02	19.22	19.21	
3	256QAM	8	7	19.11	19.15	19.09	
3	256QAM	15	0	19.00	19.22	19.25	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.21	19.36	19.29	19.5
1.4	QPSK	1	3	19.11	19.26	19.10	
1.4	QPSK	1	5	19.22	18.95	18.84	
1.4	QPSK	3	0	19.24	19.26	19.27	
1.4	QPSK	3	1	19.27	19.15	19.09	
1.4	QPSK	3	3	19.28	19.09	19.02	
1.4	QPSK	6	0	19.06	19.13	19.19	19.5
1.4	16QAM	1	0	19.14	19.25	19.24	19.5
1.4	16QAM	1	3	19.11	19.18	19.14	
1.4	16QAM	1	5	19.09	18.88	18.66	
1.4	16QAM	3	0	19.36	19.20	19.32	
1.4	16QAM	3	1	19.21	19.15	19.12	
1.4	16QAM	3	3	19.12	19.09	19.01	
1.4	16QAM	6	0	19.25	19.07	19.09	19.5
1.4	64QAM	1	0	18.97	19.11	19.21	19.5
1.4	64QAM	1	3	18.97	18.85	19.05	
1.4	64QAM	1	5	18.87	18.78	18.55	
1.4	64QAM	3	0	19.10	19.23	19.25	
1.4	64QAM	3	1	19.30	19.22	19.16	
1.4	64QAM	3	3	19.23	19.10	19.00	
1.4	64QAM	6	0	19.37	19.25	19.02	19.5
1.4	256QAM	1	0	19.13	19.09	19.05	19.5
1.4	256QAM	1	3	19.21	19.23	19.09	
1.4	256QAM	1	5	19.12	19.29	19.07	
1.4	256QAM	3	0	19.12	19.19	19.23	
1.4	256QAM	3	1	19.07	19.23	19.12	
1.4	256QAM	3	3	19.23	19.23	19.15	
1.4	256QAM	6	0	19.08	19.07	19.16	19.5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.49	21.56	21.54	22.4
20	QPSK	1	49	21.53	21.50	21.40	
20	QPSK	1	99	21.48	21.30	21.09	
20	QPSK	50	0	21.54	21.55	21.53	22.4
20	QPSK	50	24	21.52	21.51	21.39	
20	QPSK	50	50	21.53	21.41	21.25	
20	QPSK	100	0	21.47	21.51	21.40	
20	16QAM	1	0	21.41	21.41	21.51	22.4
20	16QAM	1	49	21.37	21.36	21.36	
20	16QAM	1	99	21.29	21.22	21.01	
20	16QAM	50	0	21.55	21.54	21.53	22.4
20	16QAM	50	24	21.55	21.48	21.39	
20	16QAM	50	50	21.55	21.39	21.25	
20	16QAM	100	0	21.55	21.43	21.35	
20	64QAM	1	0	21.35	21.42	21.52	22.4
20	64QAM	1	49	21.53	21.22	21.45	
20	64QAM	1	99	21.36	21.50	21.28	
20	64QAM	50	0	21.55	21.55	21.54	22.4
20	64QAM	50	24	21.48	21.50	21.40	
20	64QAM	50	50	21.48	21.42	21.23	
20	64QAM	100	0	21.54	21.44	21.39	
20	256QAM	1	0	19.84	19.68	19.88	20.7
20	256QAM	1	49	19.72	19.61	19.86	
20	256QAM	1	99	19.86	19.77	19.73	
20	256QAM	50	0	19.70	19.55	19.71	20.7
20	256QAM	50	24	19.73	19.62	19.78	
20	256QAM	50	50	19.81	19.54	19.75	
20	256QAM	100	0	19.76	19.63	19.78	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.47	21.55	21.45	22.4
15	QPSK	1	37	21.43	21.49	21.29	
15	QPSK	1	74	21.44	21.11	20.92	
15	QPSK	36	0	21.47	21.49	21.48	22.4
15	QPSK	36	20	21.40	21.40	21.25	
15	QPSK	36	39	21.53	21.35	21.10	
15	QPSK	75	0	21.36	21.36	21.29	
15	16QAM	1	0	21.23	21.35	21.31	22.4
15	16QAM	1	37	21.36	21.36	21.21	
15	16QAM	1	74	21.18	21.21	20.96	
15	16QAM	36	0	21.40	21.37	21.38	22.4
15	16QAM	36	20	21.52	21.30	21.25	
15	16QAM	36	39	21.48	21.25	21.07	
15	16QAM	75	0	21.42	21.38	21.24	
15	64QAM	1	0	21.35	21.36	21.45	22.4
15	64QAM	1	37	21.40	21.13	21.42	
15	64QAM	1	74	21.29	21.30	21.20	
15	64QAM	36	0	21.52	21.53	21.53	22.4
15	64QAM	36	20	21.36	21.44	21.31	
15	64QAM	36	39	21.46	21.29	21.21	
15	64QAM	75	0	21.49	21.35	21.39	
15	256QAM	1	0	19.72	19.53	19.74	20.7
15	256QAM	1	37	19.66	19.42	19.69	
15	256QAM	1	74	19.71	19.57	19.59	
15	256QAM	36	0	19.56	19.51	19.71	20.7
15	256QAM	36	20	19.59	19.42	19.68	
15	256QAM	36	39	19.70	19.44	19.70	

15	256QAM	75	0	19.58	19.54	19.58	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.42	21.39	21.54	22.4
10	QPSK	1	25	21.37	21.42	21.22	
10	QPSK	1	49	21.39	21.24	21.02	
10	QPSK	25	0	21.52	21.53	21.49	22.4
10	QPSK	25	12	21.35	21.31	21.32	
10	QPSK	25	25	21.40	21.29	21.17	
10	QPSK	50	0	21.29	21.41	21.37	
10	16QAM	1	0	21.23	21.36	21.48	22.4
10	16QAM	1	25	21.36	21.26	21.35	
10	16QAM	1	49	21.17	21.08	20.98	
10	16QAM	25	0	21.46	21.39	21.36	22.4
10	16QAM	25	12	21.52	21.30	21.31	
10	16QAM	25	25	21.40	21.31	21.09	
10	16QAM	50	0	21.39	21.37	21.20	
10	64QAM	1	0	21.35	21.38	21.52	22.4
10	64QAM	1	25	21.51	21.16	21.44	
10	64QAM	1	49	21.32	21.40	21.23	
10	64QAM	25	0	21.51	21.39	21.45	22.4
10	64QAM	25	12	21.28	21.43	21.26	
10	64QAM	25	25	21.47	21.23	21.17	
10	64QAM	50	0	21.47	21.31	21.38	
10	256QAM	1	0	19.82	19.65	19.73	20.7
10	256QAM	1	25	19.64	19.53	19.82	
10	256QAM	1	49	19.70	19.67	19.62	
10	256QAM	25	0	19.57	19.42	19.55	20.7
10	256QAM	25	12	19.72	19.52	19.61	
10	256QAM	25	25	19.80	19.44	19.70	
10	256QAM	50	0	19.56	19.48	19.76	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.44	21.46	21.37	22.4
5	QPSK	1	12	21.46	21.36	21.30	
5	QPSK	1	24	21.36	21.11	21.06	
5	QPSK	12	0	21.50	21.36	21.38	22.4
5	QPSK	12	7	21.32	21.31	21.35	
5	QPSK	12	13	21.50	21.23	21.11	
5	QPSK	25	0	21.40	21.45	21.39	
5	16QAM	1	0	21.38	21.30	21.45	22.4
5	16QAM	1	12	21.19	21.19	21.27	
5	16QAM	1	24	21.19	21.05	20.82	
5	16QAM	12	0	21.41	21.34	21.39	22.4
5	16QAM	12	7	21.49	21.34	21.33	
5	16QAM	12	13	21.46	21.26	21.11	
5	16QAM	25	0	21.38	21.42	21.15	
5	64QAM	1	0	21.16	21.40	21.39	22.4
5	64QAM	1	12	21.37	21.10	21.27	
5	64QAM	1	24	21.26	21.35	21.13	
5	64QAM	12	0	21.45	21.52	21.37	22.4
5	64QAM	12	7	21.45	21.40	21.34	
5	64QAM	12	13	21.43	21.27	21.12	
5	64QAM	25	0	21.34	21.28	21.26	
5	256QAM	1	0	19.64	19.59	19.84	20.7
5	256QAM	1	12	19.61	19.41	19.81	
5	256QAM	1	24	19.86	19.63	19.70	
5	256QAM	12	0	19.51	19.50	19.57	20.7
5	256QAM	12	7	19.64	19.56	19.77	
5	256QAM	12	13	19.64	19.47	19.70	
5	256QAM	25	0	19.71	19.56	19.72	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.49	21.39	21.34	22.4
3	QPSK	1	8	21.47	21.50	21.21	
3	QPSK	1	14	21.29	21.10	20.90	
3	QPSK	8	0	21.34	21.51	21.47	22.4
3	QPSK	8	4	21.40	21.34	21.30	
3	QPSK	8	7	21.45	21.38	21.21	
3	QPSK	15	0	21.38	21.44	21.23	
3	16QAM	1	0	21.36	21.31	21.37	22.4
3	16QAM	1	8	21.30	21.20	21.21	
3	16QAM	1	14	21.09	21.22	20.98	
3	16QAM	8	0	21.43	21.49	21.38	22.4
3	16QAM	8	4	21.45	21.46	21.20	
3	16QAM	8	7	21.51	21.20	21.09	
3	16QAM	15	0	21.45	21.41	21.30	
3	64QAM	1	0	21.19	21.25	21.39	22.4
3	64QAM	1	8	21.45	21.15	21.26	
3	64QAM	1	14	21.20	21.40	21.14	
3	64QAM	8	0	21.37	21.39	21.44	22.4
3	64QAM	8	4	21.31	21.41	21.25	
3	64QAM	8	7	21.29	21.28	21.06	
3	64QAM	15	0	21.42	21.35	21.30	
3	256QAM	1	0	19.78	19.56	19.86	20.7
3	256QAM	1	8	19.60	19.49	19.82	
3	256QAM	1	14	19.78	19.73	19.60	
3	256QAM	8	0	19.57	19.55	19.57	20.7
3	256QAM	8	4	19.54	19.44	19.78	
3	256QAM	8	7	19.64	19.34	19.57	
3	256QAM	15	0	19.73	19.51	19.68	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.39	21.37	21.40	22.4
1.4	QPSK	1	3	21.38	21.43	21.26	
1.4	QPSK	1	5	21.32	21.17	20.98	
1.4	QPSK	3	0	21.36	21.48	21.42	
1.4	QPSK	3	1	21.47	21.41	21.31	
1.4	QPSK	3	3	21.47	21.38	21.21	
1.4	QPSK	6	0	21.30	21.41	21.29	22.4
1.4	16QAM	1	0	21.32	21.24	21.50	22.4
1.4	16QAM	1	3	21.25	21.35	21.35	
1.4	16QAM	1	5	21.18	21.02	20.91	
1.4	16QAM	3	0	21.49	21.43	21.36	
1.4	16QAM	3	1	21.48	21.40	21.27	
1.4	16QAM	3	3	21.38	21.36	21.08	
1.4	16QAM	6	0	21.40	21.41	21.17	22.4
1.4	64QAM	1	0	21.18	21.39	21.48	22.4
1.4	64QAM	1	3	21.45	21.12	21.39	
1.4	64QAM	1	5	21.25	21.42	21.24	
1.4	64QAM	3	0	21.38	21.47	21.52	
1.4	64QAM	3	1	21.47	21.34	21.36	
1.4	64QAM	3	3	21.28	21.32	21.09	
1.4	64QAM	6	0	21.35	21.28	21.33	22.4
1.4	256QAM	1	0	19.73	19.62	19.75	20.7
1.4	256QAM	1	3	19.64	19.59	19.77	
1.4	256QAM	1	5	19.76	19.67	19.63	
1.4	256QAM	3	0	19.67	19.47	19.71	
1.4	256QAM	3	1	19.59	19.46	19.60	
1.4	256QAM	3	3	19.64	19.52	19.58	
1.4	256QAM	6	0	19.74	19.51	19.71	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.49	21.56	21.54	21.6
20	QPSK	1	49	21.53	21.50	21.40	
20	QPSK	1	99	21.48	21.30	21.09	
20	QPSK	50	0	21.54	21.55	21.53	21.6
20	QPSK	50	24	21.52	21.51	21.39	
20	QPSK	50	50	21.53	21.41	21.25	
20	QPSK	100	0	21.47	21.51	21.40	
20	16QAM	1	0	21.41	21.41	21.51	21.6
20	16QAM	1	49	21.37	21.36	21.36	
20	16QAM	1	99	21.29	21.22	21.01	
20	16QAM	50	0	21.55	21.54	21.53	21.6
20	16QAM	50	24	21.55	21.48	21.39	
20	16QAM	50	50	21.55	21.39	21.25	
20	16QAM	100	0	21.55	21.43	21.35	
20	64QAM	1	0	21.35	21.42	21.52	21.6
20	64QAM	1	49	21.53	21.22	21.45	
20	64QAM	1	99	21.36	21.50	21.28	
20	64QAM	50	0	21.55	21.55	21.54	21.6
20	64QAM	50	24	21.48	21.50	21.40	
20	64QAM	50	50	21.48	21.42	21.23	
20	64QAM	100	0	21.54	21.44	21.39	
20	256QAM	1	0	19.84	19.68	19.88	20.7
20	256QAM	1	49	19.72	19.61	19.86	
20	256QAM	1	99	19.86	19.77	19.73	
20	256QAM	50	0	19.70	19.55	19.71	20.7
20	256QAM	50	24	19.73	19.62	19.78	
20	256QAM	50	50	19.81	19.54	19.75	
20	256QAM	100	0	19.76	19.63	19.78	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.47	21.55	21.45	21.6
15	QPSK	1	37	21.43	21.49	21.29	
15	QPSK	1	74	21.44	21.11	20.92	
15	QPSK	36	0	21.47	21.49	21.48	21.6
15	QPSK	36	20	21.40	21.40	21.25	
15	QPSK	36	39	21.53	21.35	21.10	
15	QPSK	75	0	21.36	21.36	21.29	
15	16QAM	1	0	21.23	21.35	21.31	21.6
15	16QAM	1	37	21.36	21.36	21.21	
15	16QAM	1	74	21.18	21.21	20.96	
15	16QAM	36	0	21.40	21.37	21.38	21.6
15	16QAM	36	20	21.52	21.30	21.25	
15	16QAM	36	39	21.48	21.25	21.07	
15	16QAM	75	0	21.42	21.38	21.24	
15	64QAM	1	0	21.35	21.36	21.45	21.6
15	64QAM	1	37	21.40	21.13	21.42	
15	64QAM	1	74	21.29	21.30	21.20	
15	64QAM	36	0	21.52	21.53	21.53	21.6
15	64QAM	36	20	21.36	21.44	21.31	
15	64QAM	36	39	21.46	21.29	21.21	
15	64QAM	75	0	21.49	21.35	21.39	
15	256QAM	1	0	19.72	19.53	19.74	20.7
15	256QAM	1	37	19.66	19.42	19.69	
15	256QAM	1	74	19.71	19.57	19.59	
15	256QAM	36	0	19.56	19.51	19.71	20.7
15	256QAM	36	20	19.59	19.42	19.68	
15	256QAM	36	39	19.70	19.44	19.70	

15	256QAM	75	0	19.58	19.54	19.58	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.42	21.39	21.54	21.6
10	QPSK	1	25	21.37	21.42	21.22	
10	QPSK	1	49	21.39	21.24	21.02	
10	QPSK	25	0	21.52	21.53	21.49	21.6
10	QPSK	25	12	21.35	21.31	21.32	
10	QPSK	25	25	21.40	21.29	21.17	
10	QPSK	50	0	21.29	21.41	21.37	
10	16QAM	1	0	21.23	21.36	21.48	21.6
10	16QAM	1	25	21.36	21.26	21.35	
10	16QAM	1	49	21.17	21.08	20.98	
10	16QAM	25	0	21.46	21.39	21.36	21.6
10	16QAM	25	12	21.52	21.30	21.31	
10	16QAM	25	25	21.40	21.31	21.09	
10	16QAM	50	0	21.39	21.37	21.20	
10	64QAM	1	0	21.35	21.38	21.52	21.6
10	64QAM	1	25	21.51	21.16	21.44	
10	64QAM	1	49	21.32	21.40	21.23	
10	64QAM	25	0	21.51	21.39	21.45	21.6
10	64QAM	25	12	21.28	21.43	21.26	
10	64QAM	25	25	21.47	21.23	21.17	
10	64QAM	50	0	21.47	21.31	21.38	
10	256QAM	1	0	19.82	19.65	19.73	20.7
10	256QAM	1	25	19.64	19.53	19.82	
10	256QAM	1	49	19.70	19.67	19.62	
10	256QAM	25	0	19.57	19.42	19.55	20.7
10	256QAM	25	12	19.72	19.52	19.61	
10	256QAM	25	25	19.80	19.44	19.70	
10	256QAM	50	0	19.56	19.48	19.76	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.44	21.46	21.37	21.6
5	QPSK	1	12	21.46	21.36	21.30	
5	QPSK	1	24	21.36	21.11	21.06	
5	QPSK	12	0	21.50	21.36	21.38	21.6
5	QPSK	12	7	21.32	21.31	21.35	
5	QPSK	12	13	21.50	21.23	21.11	
5	QPSK	25	0	21.40	21.45	21.39	
5	16QAM	1	0	21.38	21.30	21.45	21.6
5	16QAM	1	12	21.19	21.19	21.27	
5	16QAM	1	24	21.19	21.05	20.82	
5	16QAM	12	0	21.41	21.34	21.39	21.6
5	16QAM	12	7	21.49	21.34	21.33	
5	16QAM	12	13	21.46	21.26	21.11	
5	16QAM	25	0	21.38	21.42	21.15	
5	64QAM	1	0	21.16	21.40	21.39	21.6
5	64QAM	1	12	21.37	21.10	21.27	
5	64QAM	1	24	21.26	21.35	21.13	
5	64QAM	12	0	21.45	21.52	21.37	21.6
5	64QAM	12	7	21.45	21.40	21.34	
5	64QAM	12	13	21.43	21.27	21.12	
5	64QAM	25	0	21.34	21.28	21.26	
5	256QAM	1	0	19.64	19.59	19.84	20.7
5	256QAM	1	12	19.61	19.41	19.81	
5	256QAM	1	24	19.86	19.63	19.70	
5	256QAM	12	0	19.51	19.50	19.57	20.7
5	256QAM	12	7	19.64	19.56	19.77	
5	256QAM	12	13	19.64	19.47	19.70	
5	256QAM	25	0	19.71	19.56	19.72	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.49	21.39	21.34	21.6
3	QPSK	1	8	21.47	21.50	21.21	
3	QPSK	1	14	21.29	21.10	20.90	
3	QPSK	8	0	21.34	21.51	21.47	21.6
3	QPSK	8	4	21.40	21.34	21.30	
3	QPSK	8	7	21.45	21.38	21.21	
3	QPSK	15	0	21.38	21.44	21.23	
3	16QAM	1	0	21.36	21.31	21.37	21.6
3	16QAM	1	8	21.30	21.20	21.21	
3	16QAM	1	14	21.09	21.22	20.98	
3	16QAM	8	0	21.43	21.49	21.38	21.6
3	16QAM	8	4	21.45	21.46	21.20	
3	16QAM	8	7	21.51	21.20	21.09	
3	16QAM	15	0	21.45	21.41	21.30	
3	64QAM	1	0	21.19	21.25	21.39	21.6
3	64QAM	1	8	21.45	21.15	21.26	
3	64QAM	1	14	21.20	21.40	21.14	
3	64QAM	8	0	21.37	21.39	21.44	21.6
3	64QAM	8	4	21.31	21.41	21.25	
3	64QAM	8	7	21.29	21.28	21.06	
3	64QAM	15	0	21.42	21.35	21.30	
3	256QAM	1	0	19.78	19.56	19.86	20.7
3	256QAM	1	8	19.60	19.49	19.82	
3	256QAM	1	14	19.78	19.73	19.60	
3	256QAM	8	0	19.57	19.55	19.57	20.7
3	256QAM	8	4	19.54	19.44	19.78	
3	256QAM	8	7	19.64	19.34	19.57	
3	256QAM	15	0	19.73	19.51	19.68	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.39	21.37	21.40	21.6
1.4	QPSK	1	3	21.38	21.43	21.26	
1.4	QPSK	1	5	21.32	21.17	20.98	
1.4	QPSK	3	0	21.36	21.48	21.42	
1.4	QPSK	3	1	21.47	21.41	21.31	
1.4	QPSK	3	3	21.47	21.38	21.21	
1.4	QPSK	6	0	21.30	21.41	21.29	21.6
1.4	16QAM	1	0	21.32	21.24	21.50	21.6
1.4	16QAM	1	3	21.25	21.35	21.35	
1.4	16QAM	1	5	21.18	21.02	20.91	
1.4	16QAM	3	0	21.49	21.43	21.36	
1.4	16QAM	3	1	21.48	21.40	21.27	
1.4	16QAM	3	3	21.38	21.36	21.08	
1.4	16QAM	6	0	21.40	21.41	21.17	21.6
1.4	64QAM	1	0	21.18	21.39	21.48	21.6
1.4	64QAM	1	3	21.45	21.12	21.39	
1.4	64QAM	1	5	21.25	21.42	21.24	
1.4	64QAM	3	0	21.38	21.47	21.52	
1.4	64QAM	3	1	21.47	21.34	21.36	
1.4	64QAM	3	3	21.28	21.32	21.09	
1.4	64QAM	6	0	21.35	21.28	21.33	21.6
1.4	256QAM	1	0	19.73	19.62	19.75	20.7
1.4	256QAM	1	3	19.64	19.59	19.77	
1.4	256QAM	1	5	19.76	19.67	19.63	
1.4	256QAM	3	0	19.67	19.47	19.71	
1.4	256QAM	3	1	19.59	19.46	19.60	
1.4	256QAM	3	3	19.64	19.52	19.58	
1.4	256QAM	6	0	19.74	19.51	19.71	20.7

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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	24.79	24.83	24.66	25.7
20	QPSK	1	49	24.71	24.70	24.65	
20	QPSK	1	99	24.77	24.45	24.30	
20	QPSK	50	0	23.84	23.85	23.82	24.7
20	QPSK	50	24	23.82	23.82	23.69	
20	QPSK	50	50	23.80	23.78	23.54	
20	QPSK	100	0	23.71	23.88	23.65	
20	16QAM	1	0	23.97	24.14	24.31	24.7
20	16QAM	1	49	24.02	23.95	23.90	
20	16QAM	1	99	24.13	23.83	23.62	
20	16QAM	50	0	22.81	22.83	22.79	23.7
20	16QAM	50	24	22.84	22.76	22.68	
20	16QAM	50	50	22.86	22.68	22.52	
20	16QAM	100	0	22.83	22.70	22.64	
20	64QAM	1	0	22.99	23.01	23.21	23.7
20	64QAM	1	49	22.96	22.80	22.79	
20	64QAM	1	99	23.04	22.84	22.64	
20	64QAM	50	0	21.84	21.82	21.82	22.7
20	64QAM	50	24	21.86	21.77	21.69	
20	64QAM	50	50	21.86	21.70	21.54	
20	64QAM	100	0	21.83	21.72	21.65	
20	256QAM	1	0	19.82	19.66	19.85	20.7
20	256QAM	1	49	19.77	19.64	19.83	
20	256QAM	1	99	19.84	19.71	19.83	
20	256QAM	50	0	19.66	19.52	19.65	20.7
20	256QAM	50	24	19.73	19.62	19.75	
20	256QAM	50	50	19.74	19.61	19.79	
20	256QAM	100	0	19.66	19.59	19.73	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.60	24.67	24.46	25.7
15	QPSK	1	37	24.62	24.52	24.52	
15	QPSK	1	74	24.61	24.44	24.10	
15	QPSK	36	0	23.72	23.66	23.67	24.7
15	QPSK	36	20	23.68	23.81	23.50	
15	QPSK	36	39	23.65	23.65	23.39	
15	QPSK	75	0	23.61	23.80	23.61	
15	16QAM	1	0	23.94	23.94	24.30	24.7
15	16QAM	1	37	23.83	23.81	23.74	
15	16QAM	1	74	23.98	23.63	23.44	
15	16QAM	36	0	22.62	22.77	22.59	23.7
15	16QAM	36	20	22.67	22.59	22.59	
15	16QAM	36	39	22.80	22.52	22.45	
15	16QAM	75	0	22.73	22.64	22.59	
15	64QAM	1	0	22.97	22.95	23.17	23.7
15	64QAM	1	37	22.76	22.68	22.61	
15	64QAM	1	74	22.96	22.74	22.48	
15	64QAM	36	0	21.64	21.62	21.81	22.7
15	64QAM	36	20	21.81	21.70	21.54	
15	64QAM	36	39	21.85	21.62	21.46	
15	64QAM	75	0	21.82	21.70	21.60	
15	256QAM	1	0	19.74	19.48	19.85	20.7
15	256QAM	1	37	19.71	19.57	19.77	
15	256QAM	1	74	19.70	19.71	19.67	
15	256QAM	36	0	19.55	19.51	19.65	20.7
15	256QAM	36	20	19.65	19.60	19.58	
15	256QAM	36	39	19.70	19.57	19.72	

15	256QAM	75	0	19.54	19.49	19.72	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.59	24.76	24.57	25.7
10	QPSK	1	25	24.55	24.67	24.54	
10	QPSK	1	49	24.58	24.30	24.22	
10	QPSK	25	0	23.75	23.79	23.67	24.7
10	QPSK	25	12	23.73	23.67	23.51	
10	QPSK	25	25	23.72	23.72	23.40	
10	QPSK	50	0	23.51	23.73	23.46	
10	16QAM	1	0	23.87	23.96	24.19	24.7
10	16QAM	1	25	23.86	23.75	23.73	
10	16QAM	1	49	24.03	23.74	23.49	
10	16QAM	25	0	22.64	22.80	22.71	23.7
10	16QAM	25	12	22.74	22.72	22.61	
10	16QAM	25	25	22.82	22.48	22.47	
10	16QAM	50	0	22.77	22.67	22.60	
10	64QAM	1	0	22.83	22.87	23.10	23.7
10	64QAM	1	25	22.78	22.66	22.79	
10	64QAM	1	49	22.88	22.81	22.61	
10	64QAM	25	0	21.81	21.80	21.71	22.7
10	64QAM	25	12	21.77	21.64	21.62	
10	64QAM	25	25	21.84	21.68	21.44	
10	64QAM	50	0	21.74	21.58	21.53	
10	256QAM	1	0	19.82	19.53	19.69	20.7
10	256QAM	1	25	19.74	19.49	19.66	
10	256QAM	1	49	19.64	19.60	19.79	
10	256QAM	25	0	19.62	19.36	19.50	20.7
10	256QAM	25	12	19.60	19.48	19.67	
10	256QAM	25	25	19.70	19.51	19.75	
10	256QAM	50	0	19.62	19.57	19.58	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.59	24.76	24.51	25.7
5	QPSK	1	12	24.56	24.57	24.57	
5	QPSK	1	24	24.71	24.41	24.30	
5	QPSK	12	0	23.81	23.66	23.78	24.7
5	QPSK	12	7	23.71	23.63	23.63	
5	QPSK	12	13	23.78	23.76	23.45	
5	QPSK	25	0	23.54	23.70	23.63	
5	16QAM	1	0	23.92	23.94	24.24	24.7
5	16QAM	1	12	24.02	23.94	23.84	
5	16QAM	1	24	24.11	23.78	23.50	
5	16QAM	12	0	22.70	22.71	22.73	23.7
5	16QAM	12	7	22.78	22.58	22.52	
5	16QAM	12	13	22.81	22.53	22.43	
5	16QAM	25	0	22.74	22.66	22.45	
5	64QAM	1	0	22.94	22.91	23.10	23.7
5	64QAM	1	12	22.76	22.74	22.72	
5	64QAM	1	24	22.86	22.83	22.49	
5	64QAM	12	0	21.83	21.81	21.74	22.7
5	64QAM	12	7	21.69	21.67	21.50	
5	64QAM	12	13	21.69	21.65	21.54	
5	64QAM	25	0	21.75	21.61	21.62	
5	256QAM	1	0	19.72	19.66	19.68	20.7
5	256QAM	1	12	19.64	19.54	19.64	
5	256QAM	1	24	19.77	19.66	19.66	
5	256QAM	12	0	19.49	19.37	19.61	20.7
5	256QAM	12	7	19.70	19.52	19.74	
5	256QAM	12	13	19.72	19.55	19.79	
5	256QAM	25	0	19.60	19.48	19.58	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.70	24.74	24.61	25.7
3	QPSK	1	8	24.67	24.64	24.65	
3	QPSK	1	14	24.68	24.30	24.10	
3	QPSK	8	0	23.69	23.77	23.74	24.7
3	QPSK	8	4	23.81	23.76	23.68	
3	QPSK	8	7	23.78	23.78	23.50	
3	QPSK	15	0	23.71	23.73	23.63	
3	16QAM	1	0	23.97	24.13	24.25	24.7
3	16QAM	1	8	23.96	23.93	23.83	
3	16QAM	1	14	24.05	23.64	23.49	
3	16QAM	8	0	22.72	22.65	22.70	23.7
3	16QAM	8	4	22.74	22.72	22.63	
3	16QAM	8	7	22.69	22.63	22.48	
3	16QAM	15	0	22.74	22.68	22.56	
3	64QAM	1	0	22.79	22.81	23.16	23.7
3	64QAM	1	8	22.92	22.78	22.69	
3	64QAM	1	14	22.87	22.82	22.44	
3	64QAM	8	0	21.70	21.64	21.76	22.7
3	64QAM	8	4	21.69	21.75	21.63	
3	64QAM	8	7	21.77	21.59	21.38	
3	64QAM	15	0	21.73	21.52	21.51	
3	256QAM	1	0	19.77	19.62	19.69	20.7
3	256QAM	1	8	19.68	19.59	19.73	
3	256QAM	1	14	19.73	19.66	19.71	
3	256QAM	8	0	19.46	19.37	19.49	20.7
3	256QAM	8	4	19.58	19.59	19.57	
3	256QAM	8	7	19.67	19.42	19.70	
3	256QAM	15	0	19.58	19.42	19.73	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.70	24.64	24.57	25.7
1.4	QPSK	1	3	24.57	24.56	24.52	
1.4	QPSK	1	5	24.57	24.42	24.19	
1.4	QPSK	3	0	24.63	24.82	24.63	
1.4	QPSK	3	1	24.70	24.55	24.55	
1.4	QPSK	3	3	24.59	24.28	24.11	
1.4	QPSK	6	0	23.82	23.69	23.80	24.7
1.4	16QAM	1	0	23.77	23.82	23.50	24.7
1.4	16QAM	1	3	23.62	23.70	23.37	
1.4	16QAM	1	5	23.69	23.70	23.53	
1.4	16QAM	3	0	23.78	23.94	24.14	
1.4	16QAM	3	1	24.01	23.86	23.73	
1.4	16QAM	3	3	23.95	23.73	23.51	
1.4	16QAM	6	0	22.73	22.78	22.61	23.7
1.4	64QAM	1	0	22.75	22.69	22.65	23.7
1.4	64QAM	1	3	22.78	22.50	22.44	
1.4	64QAM	1	5	22.64	22.69	22.46	
1.4	64QAM	3	0	22.91	22.98	23.12	
1.4	64QAM	3	1	22.78	22.79	22.68	
1.4	64QAM	3	3	22.95	22.68	22.51	
1.4	64QAM	6	0	21.73	21.78	21.68	22.7
1.4	256QAM	1	0	19.78	19.65	19.67	20.7
1.4	256QAM	1	3	19.63	19.57	19.82	
1.4	256QAM	1	5	19.76	19.55	19.68	
1.4	256QAM	3	0	19.53	19.36	19.49	
1.4	256QAM	3	1	19.58	19.56	19.61	
1.4	256QAM	3	3	19.58	19.43	19.73	
1.4	256QAM	6	0	19.53	19.42	19.63	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.18	19.29	19.33	19.8
20	QPSK	1	49	19.10	19.21	19.17	
20	QPSK	1	99	19.05	19.24	19.22	
20	QPSK	50	0	19.12	19.26	19.28	19.8
20	QPSK	50	24	19.06	19.25	19.27	
20	QPSK	50	50	19.01	19.24	19.14	
20	QPSK	100	0	19.07	19.25	19.27	
20	16QAM	1	0	19.06	19.24	19.28	19.8
20	16QAM	1	49	19.06	19.14	19.16	
20	16QAM	1	99	19.16	19.18	19.30	
20	16QAM	50	0	19.12	19.10	19.14	19.8
20	16QAM	50	24	19.01	19.09	19.26	
20	16QAM	50	50	19.09	19.28	19.15	
20	16QAM	100	0	19.07	19.25	19.22	
20	64QAM	1	0	19.05	19.14	19.19	19.8
20	64QAM	1	49	19.03	19.22	19.25	
20	64QAM	1	99	19.11	19.15	19.16	
20	64QAM	50	0	19.07	19.25	19.21	19.8
20	64QAM	50	24	19.16	19.25	19.22	
20	64QAM	50	50	19.04	19.09	19.16	
20	64QAM	100	0	19.04	19.17	19.21	
20	256QAM	1	0	19.18	19.22	19.31	19.8
20	256QAM	1	49	19.05	19.26	19.15	
20	256QAM	1	99	19.10	19.17	19.24	
20	256QAM	50	0	19.13	19.15	19.19	19.8
20	256QAM	50	24	19.13	19.11	19.13	
20	256QAM	50	50	19.03	19.26	19.15	
20	256QAM	100	0	19.15	19.15	19.27	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.10	19.28	19.32	19.8
15	QPSK	1	37	19.02	19.03	19.02	
15	QPSK	1	74	18.87	19.06	19.19	
15	QPSK	36	0	19.05	19.11	19.24	19.8
15	QPSK	36	20	18.86	19.22	19.16	
15	QPSK	36	39	18.89	19.07	19.05	
15	QPSK	75	0	18.90	19.10	19.07	
15	16QAM	1	0	18.99	19.21	19.15	19.8
15	16QAM	1	37	19.05	19.07	19.01	
15	16QAM	1	74	19.11	19.07	19.21	
15	16QAM	36	0	19.07	19.06	19.05	19.8
15	16QAM	36	20	18.85	19.06	19.18	
15	16QAM	36	39	18.91	19.08	19.15	
15	16QAM	75	0	18.90	19.25	19.10	
15	64QAM	1	0	18.86	19.07	19.02	19.8
15	64QAM	1	37	18.85	19.13	19.18	
15	64QAM	1	74	19.03	18.98	19.14	
15	64QAM	36	0	18.88	19.25	19.18	19.8
15	64QAM	36	20	19.05	19.05	19.11	
15	64QAM	36	39	18.90	19.09	18.99	
15	64QAM	75	0	18.92	19.09	19.02	
15	256QAM	1	0	19.06	19.04	19.13	19.8
15	256QAM	1	37	18.92	19.12	18.95	
15	256QAM	1	74	18.95	19.04	19.10	
15	256QAM	36	0	19.03	19.15	19.00	19.8
15	256QAM	36	20	18.96	19.00	19.13	
15	256QAM	36	39	18.90	19.10	19.07	

15	256QAM	75	0	19.11	19.06	19.23	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.15	19.27	19.21	19.8
10	QPSK	1	25	19.05	19.17	19.01	
10	QPSK	1	49	18.94	19.06	19.08	
10	QPSK	25	0	19.08	19.12	19.16	19.8
10	QPSK	25	12	18.99	19.11	19.10	
10	QPSK	25	25	18.93	19.13	19.04	
10	QPSK	50	0	18.89	19.05	19.09	
10	16QAM	1	0	18.92	19.10	19.09	19.8
10	16QAM	1	25	18.91	19.09	19.07	
10	16QAM	1	49	18.98	19.17	19.11	
10	16QAM	25	0	19.02	19.07	19.05	19.8
10	16QAM	25	12	18.97	18.94	19.24	
10	16QAM	25	25	19.00	19.21	19.03	
10	16QAM	50	0	18.93	19.15	19.07	
10	64QAM	1	0	18.93	18.95	19.07	19.8
10	64QAM	1	25	18.83	19.12	19.13	
10	64QAM	1	49	18.99	18.97	19.00	
10	64QAM	25	0	19.03	19.07	19.07	19.8
10	64QAM	25	12	19.15	19.05	19.05	
10	64QAM	25	25	18.84	19.09	19.03	
10	64QAM	50	0	18.98	19.00	19.13	
10	256QAM	1	0	19.02	19.17	19.13	19.8
10	256QAM	1	25	19.05	19.15	18.99	
10	256QAM	1	49	19.06	19.10	19.13	
10	256QAM	25	0	19.04	18.97	19.09	19.8
10	256QAM	25	12	19.07	19.07	19.09	
10	256QAM	25	25	19.00	19.18	18.96	
10	256QAM	50	0	19.06	19.07	19.12	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.05	19.13	19.27	19.8
5	QPSK	1	12	19.03	19.20	19.12	
5	QPSK	1	24	18.96	19.10	19.06	
5	QPSK	12	0	18.98	19.18	19.25	19.8
5	QPSK	12	7	18.88	19.20	19.12	
5	QPSK	12	13	18.83	19.04	19.02	
5	QPSK	25	0	19.07	19.05	19.16	
5	16QAM	1	0	18.87	19.16	19.26	19.8
5	16QAM	1	12	19.00	19.07	19.11	
5	16QAM	1	24	19.13	19.00	19.27	
5	16QAM	12	0	19.02	18.95	19.10	19.8
5	16QAM	12	7	18.97	18.89	19.07	
5	16QAM	12	13	19.08	19.25	19.12	
5	16QAM	25	0	19.04	19.22	19.15	
5	64QAM	1	0	18.88	18.99	19.02	19.8
5	64QAM	1	12	18.99	19.14	19.24	
5	64QAM	1	24	18.92	19.05	18.96	
5	64QAM	12	0	18.97	19.17	19.17	19.8
5	64QAM	12	7	19.08	19.19	19.22	
5	64QAM	12	13	18.89	18.98	19.07	
5	64QAM	25	0	18.88	19.16	19.20	
5	256QAM	1	0	19.05	19.13	19.28	19.8
5	256QAM	1	12	18.92	19.19	19.05	
5	256QAM	1	24	18.95	19.09	19.04	
5	256QAM	12	0	19.07	19.03	19.15	19.8
5	256QAM	12	7	19.13	18.94	19.10	
5	256QAM	12	13	18.95	19.08	19.09	
5	256QAM	25	0	19.04	18.95	19.27	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.04	19.25	19.18	19.8
3	QPSK	1	8	19.08	19.19	19.00	
3	QPSK	1	14	18.87	19.18	19.07	
3	QPSK	8	0	19.04	19.22	19.15	19.8
3	QPSK	8	4	18.89	19.08	19.10	
3	QPSK	8	7	19.01	19.17	19.01	
3	QPSK	15	0	18.99	19.24	19.13	
3	16QAM	1	0	19.06	19.21	19.08	19.8
3	16QAM	1	8	19.02	19.13	19.08	
3	16QAM	1	14	19.05	19.10	19.23	
3	16QAM	8	0	18.94	18.94	19.06	19.8
3	16QAM	8	4	18.91	19.01	19.11	
3	16QAM	8	7	18.93	19.26	19.10	
3	16QAM	15	0	18.99	19.21	19.13	
3	64QAM	1	0	18.88	18.98	19.15	19.8
3	64QAM	1	8	18.96	19.17	19.05	
3	64QAM	1	14	18.93	19.10	19.08	
3	64QAM	8	0	18.99	19.17	19.12	19.8
3	64QAM	8	4	19.07	19.14	19.09	
3	64QAM	8	7	19.02	19.05	19.03	
3	64QAM	15	0	19.04	19.10	19.11	
3	256QAM	1	0	18.99	19.05	19.30	19.8
3	256QAM	1	8	18.95	19.07	18.97	
3	256QAM	1	14	18.94	19.10	19.17	
3	256QAM	8	0	18.98	19.10	19.10	19.8
3	256QAM	8	4	19.03	19.01	19.00	
3	256QAM	8	7	19.03	19.13	19.02	
3	256QAM	15	0	18.95	19.12	19.27	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.01	19.17	19.32	19.8
1.4	QPSK	1	3	18.91	19.02	19.10	
1.4	QPSK	1	5	18.91	19.07	19.19	
1.4	QPSK	3	0	19.11	19.12	19.20	
1.4	QPSK	3	1	19.06	19.14	19.27	
1.4	QPSK	3	3	18.84	19.05	19.05	
1.4	QPSK	6	0	19.01	19.12	19.09	19.8
1.4	16QAM	1	0	18.95	19.20	19.19	19.8
1.4	16QAM	1	3	19.02	18.95	19.13	
1.4	16QAM	1	5	19.01	19.07	19.19	
1.4	16QAM	3	0	18.98	18.98	19.08	
1.4	16QAM	3	1	18.97	19.09	19.24	
1.4	16QAM	3	3	18.89	19.19	19.02	
1.4	16QAM	6	0	18.91	19.09	19.04	19.8
1.4	64QAM	1	0	18.85	19.04	19.15	19.8
1.4	64QAM	1	3	18.98	19.02	19.11	
1.4	64QAM	1	5	19.08	19.11	19.00	
1.4	64QAM	3	0	18.93	19.08	19.14	
1.4	64QAM	3	1	19.03	19.19	19.03	
1.4	64QAM	3	3	18.93	18.99	19.02	
1.4	64QAM	6	0	18.91	19.05	19.12	19.8
1.4	256QAM	1	0	19.13	19.22	19.15	19.8
1.4	256QAM	1	3	19.03	19.06	19.10	
1.4	256QAM	1	5	18.96	18.99	19.11	
1.4	256QAM	3	0	19.09	19.04	19.18	
1.4	256QAM	3	1	18.94	18.94	18.99	
1.4	256QAM	3	3	18.83	19.12	18.95	
1.4	256QAM	6	0	19.07	19.13	19.19	19.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.18	19.29	19.33	20.6
20	QPSK	1	49	19.10	19.21	19.17	
20	QPSK	1	99	19.05	19.24	19.22	
20	QPSK	50	0	19.12	19.26	19.28	20.6
20	QPSK	50	24	19.06	19.25	19.27	
20	QPSK	50	50	19.01	19.24	19.14	
20	QPSK	100	0	19.07	19.25	19.27	
20	16QAM	1	0	19.06	19.24	19.28	20.6
20	16QAM	1	49	19.06	19.14	19.16	
20	16QAM	1	99	19.16	19.18	19.30	
20	16QAM	50	0	19.12	19.10	19.14	20.6
20	16QAM	50	24	19.01	19.09	19.26	
20	16QAM	50	50	19.09	19.28	19.15	
20	16QAM	100	0	19.07	19.25	19.22	
20	64QAM	1	0	19.05	19.14	19.19	20.6
20	64QAM	1	49	19.03	19.22	19.25	
20	64QAM	1	99	19.11	19.15	19.16	
20	64QAM	50	0	19.07	19.25	19.21	20.6
20	64QAM	50	24	19.16	19.25	19.22	
20	64QAM	50	50	19.04	19.09	19.16	
20	64QAM	100	0	19.04	19.17	19.21	
20	256QAM	1	0	19.18	19.22	19.31	20.6
20	256QAM	1	49	19.05	19.26	19.15	
20	256QAM	1	99	19.10	19.17	19.24	
20	256QAM	50	0	19.13	19.15	19.19	20.6
20	256QAM	50	24	19.13	19.11	19.13	
20	256QAM	50	50	19.03	19.26	19.15	
20	256QAM	100	0	19.15	19.15	19.27	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.10	19.28	19.32	20.6
15	QPSK	1	37	19.02	19.03	19.02	
15	QPSK	1	74	18.87	19.06	19.19	
15	QPSK	36	0	19.05	19.11	19.24	20.6
15	QPSK	36	20	18.86	19.22	19.16	
15	QPSK	36	39	18.89	19.07	19.05	
15	QPSK	75	0	18.90	19.10	19.07	
15	16QAM	1	0	18.99	19.21	19.15	20.6
15	16QAM	1	37	19.05	19.07	19.01	
15	16QAM	1	74	19.11	19.07	19.21	
15	16QAM	36	0	19.07	19.06	19.05	20.6
15	16QAM	36	20	18.85	19.06	19.18	
15	16QAM	36	39	18.91	19.08	19.15	
15	16QAM	75	0	18.90	19.25	19.10	
15	64QAM	1	0	18.86	19.07	19.02	20.6
15	64QAM	1	37	18.85	19.13	19.18	
15	64QAM	1	74	19.03	18.98	19.14	
15	64QAM	36	0	18.88	19.25	19.18	20.6
15	64QAM	36	20	19.05	19.05	19.11	
15	64QAM	36	39	18.90	19.09	18.99	
15	64QAM	75	0	18.92	19.09	19.02	
15	256QAM	1	0	19.06	19.04	19.13	20.6
15	256QAM	1	37	18.92	19.12	18.95	
15	256QAM	1	74	18.95	19.04	19.10	
15	256QAM	36	0	19.03	19.15	19.00	20.6
15	256QAM	36	20	18.96	19.00	19.13	
15	256QAM	36	39	18.90	19.10	19.07	

15	256QAM	75	0	19.11	19.06	19.23	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.15	19.27	19.21	20.6
10	QPSK	1	25	19.05	19.17	19.01	
10	QPSK	1	49	18.94	19.06	19.08	
10	QPSK	25	0	19.08	19.12	19.16	20.6
10	QPSK	25	12	18.99	19.11	19.10	
10	QPSK	25	25	18.93	19.13	19.04	
10	QPSK	50	0	18.89	19.05	19.09	
10	16QAM	1	0	18.92	19.10	19.09	20.6
10	16QAM	1	25	18.91	19.09	19.07	
10	16QAM	1	49	18.98	19.17	19.11	
10	16QAM	25	0	19.02	19.07	19.05	20.6
10	16QAM	25	12	18.97	18.94	19.24	
10	16QAM	25	25	19.00	19.21	19.03	
10	16QAM	50	0	18.93	19.15	19.07	
10	64QAM	1	0	18.93	18.95	19.07	20.6
10	64QAM	1	25	18.83	19.12	19.13	
10	64QAM	1	49	18.99	18.97	19.00	
10	64QAM	25	0	19.03	19.07	19.07	20.6
10	64QAM	25	12	19.15	19.05	19.05	
10	64QAM	25	25	18.84	19.09	19.03	
10	64QAM	50	0	18.98	19.00	19.13	
10	256QAM	1	0	19.02	19.17	19.13	20.6
10	256QAM	1	25	19.05	19.15	18.99	
10	256QAM	1	49	19.06	19.10	19.13	
10	256QAM	25	0	19.04	18.97	19.09	20.6
10	256QAM	25	12	19.07	19.07	19.09	
10	256QAM	25	25	19.00	19.18	18.96	
10	256QAM	50	0	19.06	19.07	19.12	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.05	19.13	19.27	20.6
5	QPSK	1	12	19.03	19.20	19.12	
5	QPSK	1	24	18.96	19.10	19.06	
5	QPSK	12	0	18.98	19.18	19.25	20.6
5	QPSK	12	7	18.88	19.20	19.12	
5	QPSK	12	13	18.83	19.04	19.02	
5	QPSK	25	0	19.07	19.05	19.16	
5	16QAM	1	0	18.87	19.16	19.26	20.6
5	16QAM	1	12	19.00	19.07	19.11	
5	16QAM	1	24	19.13	19.00	19.27	
5	16QAM	12	0	19.02	18.95	19.10	20.6
5	16QAM	12	7	18.97	18.89	19.07	
5	16QAM	12	13	19.08	19.25	19.12	
5	16QAM	25	0	19.04	19.22	19.15	
5	64QAM	1	0	18.88	18.99	19.02	20.6
5	64QAM	1	12	18.99	19.14	19.24	
5	64QAM	1	24	18.92	19.05	18.96	
5	64QAM	12	0	18.97	19.17	19.17	20.6
5	64QAM	12	7	19.08	19.19	19.22	
5	64QAM	12	13	18.89	18.98	19.07	
5	64QAM	25	0	18.88	19.16	19.20	
5	256QAM	1	0	19.05	19.13	19.28	20.6
5	256QAM	1	12	18.92	19.19	19.05	
5	256QAM	1	24	18.95	19.09	19.04	
5	256QAM	12	0	19.07	19.03	19.15	20.6
5	256QAM	12	7	19.13	18.94	19.10	
5	256QAM	12	13	18.95	19.08	19.09	
5	256QAM	25	0	19.04	18.95	19.27	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.04	19.25	19.18	20.6
3	QPSK	1	8	19.08	19.19	19.00	
3	QPSK	1	14	18.87	19.18	19.07	
3	QPSK	8	0	19.04	19.22	19.15	20.6
3	QPSK	8	4	18.89	19.08	19.10	
3	QPSK	8	7	19.01	19.17	19.01	
3	QPSK	15	0	18.99	19.24	19.13	
3	16QAM	1	0	19.06	19.21	19.08	20.6
3	16QAM	1	8	19.02	19.13	19.08	
3	16QAM	1	14	19.05	19.10	19.23	
3	16QAM	8	0	18.94	18.94	19.06	20.6
3	16QAM	8	4	18.91	19.01	19.11	
3	16QAM	8	7	18.93	19.26	19.10	
3	16QAM	15	0	18.99	19.21	19.13	
3	64QAM	1	0	18.88	18.98	19.15	20.6
3	64QAM	1	8	18.96	19.17	19.05	
3	64QAM	1	14	18.93	19.10	19.08	
3	64QAM	8	0	18.99	19.17	19.12	20.6
3	64QAM	8	4	19.07	19.14	19.09	
3	64QAM	8	7	19.02	19.05	19.03	
3	64QAM	15	0	19.04	19.10	19.11	
3	256QAM	1	0	18.99	19.05	19.30	20.6
3	256QAM	1	8	18.95	19.07	18.97	
3	256QAM	1	14	18.94	19.10	19.17	
3	256QAM	8	0	18.98	19.10	19.10	20.6
3	256QAM	8	4	19.03	19.01	19.00	
3	256QAM	8	7	19.03	19.13	19.02	
3	256QAM	15	0	18.95	19.12	19.27	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.01	19.17	19.32	20.6
1.4	QPSK	1	3	18.91	19.02	19.10	
1.4	QPSK	1	5	18.91	19.07	19.19	
1.4	QPSK	3	0	19.11	19.12	19.20	
1.4	QPSK	3	1	19.06	19.14	19.27	
1.4	QPSK	3	3	18.84	19.05	19.05	
1.4	QPSK	6	0	19.01	19.12	19.09	20.6
1.4	16QAM	1	0	18.95	19.20	19.19	20.6
1.4	16QAM	1	3	19.02	18.95	19.13	
1.4	16QAM	1	5	19.01	19.07	19.19	
1.4	16QAM	3	0	18.98	18.98	19.08	
1.4	16QAM	3	1	18.97	19.09	19.24	
1.4	16QAM	3	3	18.89	19.19	19.02	
1.4	16QAM	6	0	18.91	19.09	19.04	20.6
1.4	64QAM	1	0	18.85	19.04	19.15	20.6
1.4	64QAM	1	3	18.98	19.02	19.11	
1.4	64QAM	1	5	19.08	19.11	19.00	
1.4	64QAM	3	0	18.93	19.08	19.14	
1.4	64QAM	3	1	19.03	19.19	19.03	
1.4	64QAM	3	3	18.93	18.99	19.02	
1.4	64QAM	6	0	18.91	19.05	19.12	20.6
1.4	256QAM	1	0	19.13	19.22	19.15	20.6
1.4	256QAM	1	3	19.03	19.06	19.10	
1.4	256QAM	1	5	18.96	18.99	19.11	
1.4	256QAM	3	0	19.09	19.04	19.18	
1.4	256QAM	3	1	18.94	18.94	18.99	
1.4	256QAM	3	3	18.83	19.12	18.95	
1.4	256QAM	6	0	19.07	19.13	19.19	20.6

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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	24.75	24.82	24.78	25.7
20	QPSK	1	49	24.64	24.69	24.50	
20	QPSK	1	99	24.73	24.44	24.19	
20	QPSK	50	0	23.64	23.69	23.60	24.7
20	QPSK	50	24	23.61	23.61	23.45	
20	QPSK	50	50	23.57	23.53	23.30	
20	QPSK	100	0	23.59	23.66	23.44	
20	16QAM	1	0	23.79	23.96	23.99	24.7
20	16QAM	1	49	23.66	23.88	23.69	
20	16QAM	1	99	23.87	23.68	23.40	
20	16QAM	50	0	22.56	22.68	22.57	23.7
20	16QAM	50	24	22.59	22.65	22.46	
20	16QAM	50	50	22.59	22.55	22.31	
20	16QAM	100	0	22.58	22.57	22.44	
20	64QAM	1	0	22.55	22.84	22.91	23.7
20	64QAM	1	49	22.65	22.77	22.67	
20	64QAM	1	99	22.66	22.65	22.45	
20	64QAM	50	0	21.57	21.69	21.60	22.7
20	64QAM	50	24	21.61	21.66	21.47	
20	64QAM	50	50	21.61	21.57	21.32	
20	64QAM	100	0	21.59	21.59	21.44	
20	256QAM	1	0	19.55	19.73	19.79	20.7
20	256QAM	1	49	19.36	19.64	19.66	
20	256QAM	1	99	19.45	19.63	19.65	
20	256QAM	50	0	19.22	19.42	19.46	20.7
20	256QAM	50	24	19.26	19.46	19.45	
20	256QAM	50	50	19.23	19.43	19.42	
20	256QAM	100	0	19.17	19.45	19.44	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.57	24.70	24.62	25.7
15	QPSK	1	37	24.61	24.51	24.44	
15	QPSK	1	74	24.67	24.28	24.09	
15	QPSK	36	0	23.63	23.66	23.42	24.7
15	QPSK	36	20	23.57	23.51	23.26	
15	QPSK	36	39	23.50	23.48	23.10	
15	QPSK	75	0	23.42	23.52	23.28	
15	16QAM	1	0	23.61	23.88	23.93	24.7
15	16QAM	1	37	23.60	23.83	23.65	
15	16QAM	1	74	23.69	23.55	23.31	
15	16QAM	36	0	22.40	22.61	22.53	23.7
15	16QAM	36	20	22.48	22.48	22.30	
15	16QAM	36	39	22.43	22.53	22.29	
15	16QAM	75	0	22.41	22.53	22.26	
15	64QAM	1	0	22.52	22.70	22.72	23.7
15	64QAM	1	37	22.45	22.76	22.52	
15	64QAM	1	74	22.50	22.60	22.40	
15	64QAM	36	0	21.41	21.61	21.50	22.7
15	64QAM	36	20	21.49	21.54	21.43	
15	64QAM	36	39	21.48	21.54	21.26	
15	64QAM	75	0	21.50	21.54	21.41	
15	256QAM	1	0	19.47	19.59	19.60	20.7
15	256QAM	1	37	19.19	19.51	19.47	
15	256QAM	1	74	19.34	19.56	19.65	
15	256QAM	36	0	19.08	19.38	19.33	20.7
15	256QAM	36	20	19.12	19.32	19.44	
15	256QAM	36	39	19.23	19.34	19.33	

15	256QAM	75	0	19.01	19.42	19.25	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.74	24.75	24.73	25.7
10	QPSK	1	25	24.55	24.58	24.50	
10	QPSK	1	49	24.66	24.33	24.10	
10	QPSK	25	0	23.54	23.54	23.42	24.7
10	QPSK	25	12	23.53	23.51	23.39	
10	QPSK	25	25	23.40	23.33	23.23	
10	QPSK	50	0	23.58	23.62	23.35	
10	16QAM	1	0	23.78	23.93	23.82	24.7
10	16QAM	1	25	23.58	23.88	23.49	
10	16QAM	1	49	23.83	23.62	23.26	
10	16QAM	25	0	22.44	22.56	22.44	23.7
10	16QAM	25	12	22.57	22.47	22.43	
10	16QAM	25	25	22.55	22.51	22.19	
10	16QAM	50	0	22.51	22.50	22.27	
10	64QAM	1	0	22.46	22.80	22.86	23.7
10	64QAM	1	25	22.58	22.72	22.52	
10	64QAM	1	49	22.59	22.46	22.32	
10	64QAM	25	0	21.46	21.51	21.41	22.7
10	64QAM	25	12	21.45	21.64	21.41	
10	64QAM	25	25	21.48	21.41	21.21	
10	64QAM	50	0	21.57	21.49	21.27	
10	256QAM	1	0	19.38	19.56	19.76	20.7
10	256QAM	1	25	19.28	19.61	19.64	
10	256QAM	1	49	19.41	19.53	19.45	
10	256QAM	25	0	19.08	19.22	19.40	20.7
10	256QAM	25	12	19.24	19.46	19.41	
10	256QAM	25	25	19.22	19.25	19.39	
10	256QAM	50	0	19.07	19.37	19.25	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.75	24.74	24.58	25.7
5	QPSK	1	12	24.49	24.63	24.39	
5	QPSK	1	24	24.64	24.32	23.99	
5	QPSK	12	0	23.58	23.59	23.48	24.7
5	QPSK	12	7	23.51	23.45	23.43	
5	QPSK	12	13	23.53	23.48	23.27	
5	QPSK	25	0	23.59	23.59	23.41	
5	16QAM	1	0	23.61	23.80	23.85	24.7
5	16QAM	1	12	23.62	23.72	23.69	
5	16QAM	1	24	23.78	23.68	23.20	
5	16QAM	12	0	22.53	22.65	22.46	23.7
5	16QAM	12	7	22.44	22.60	22.46	
5	16QAM	12	13	22.57	22.37	22.15	
5	16QAM	25	0	22.41	22.48	22.26	
5	64QAM	1	0	22.38	22.70	22.83	23.7
5	64QAM	1	12	22.45	22.65	22.64	
5	64QAM	1	24	22.47	22.62	22.41	
5	64QAM	12	0	21.55	21.57	21.45	22.7
5	64QAM	12	7	21.54	21.52	21.40	
5	64QAM	12	13	21.42	21.54	21.21	
5	64QAM	25	0	21.52	21.48	21.40	
5	256QAM	1	0	19.38	19.65	19.75	20.7
5	256QAM	1	12	19.20	19.46	19.49	
5	256QAM	1	24	19.33	19.59	19.64	
5	256QAM	12	0	19.13	19.35	19.39	20.7
5	256QAM	12	7	19.12	19.31	19.37	
5	256QAM	12	13	19.21	19.39	19.37	
5	256QAM	25	0	19.16	19.44	19.38	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.70	24.64	24.72	25.7
3	QPSK	1	8	24.56	24.69	24.44	
3	QPSK	1	14	24.66	24.27	24.07	
3	QPSK	8	0	23.58	23.60	23.48	24.7
3	QPSK	8	4	23.61	23.53	23.38	
3	QPSK	8	7	23.39	23.41	23.11	
3	QPSK	15	0	23.39	23.66	23.33	
3	16QAM	1	0	23.74	23.87	23.86	24.7
3	16QAM	1	8	23.52	23.71	23.51	
3	16QAM	1	14	23.85	23.50	23.20	
3	16QAM	8	0	22.50	22.52	22.39	23.7
3	16QAM	8	4	22.51	22.49	22.26	
3	16QAM	8	7	22.59	22.48	22.31	
3	16QAM	15	0	22.56	22.51	22.26	
3	64QAM	1	0	22.47	22.82	22.73	23.7
3	64QAM	1	8	22.62	22.58	22.67	
3	64QAM	1	14	22.64	22.48	22.43	
3	64QAM	8	0	21.40	21.62	21.51	22.7
3	64QAM	8	4	21.59	21.58	21.41	
3	64QAM	8	7	21.48	21.38	21.12	
3	64QAM	15	0	21.41	21.39	21.40	
3	256QAM	1	0	19.54	19.62	19.70	20.7
3	256QAM	1	8	19.27	19.62	19.62	
3	256QAM	1	14	19.27	19.58	19.53	
3	256QAM	8	0	19.02	19.40	19.37	20.7
3	256QAM	8	4	19.09	19.38	19.45	
3	256QAM	8	7	19.08	19.25	19.28	
3	256QAM	15	0	19.11	19.43	19.28	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.63	24.77	24.74	25.7
1.4	QPSK	1	3	24.50	24.49	24.33	
1.4	QPSK	1	5	24.58	24.39	24.19	
1.4	QPSK	3	0	24.66	24.81	24.71	
1.4	QPSK	3	1	24.52	24.54	24.38	
1.4	QPSK	3	3	24.58	24.38	24.01	
1.4	QPSK	6	0	23.64	23.62	23.60	24.7
1.4	16QAM	1	0	23.52	23.48	23.43	24.7
1.4	16QAM	1	3	23.40	23.53	23.19	
1.4	16QAM	1	5	23.54	23.64	23.43	
1.4	16QAM	3	0	23.69	23.83	23.88	
1.4	16QAM	3	1	23.56	23.82	23.53	
1.4	16QAM	3	3	23.84	23.68	23.31	
1.4	16QAM	6	0	22.52	22.57	22.38	23.7
1.4	64QAM	1	0	22.59	22.47	22.27	23.7
1.4	64QAM	1	3	22.46	22.49	22.13	
1.4	64QAM	1	5	22.52	22.55	22.25	
1.4	64QAM	3	0	22.52	22.70	22.85	
1.4	64QAM	3	1	22.50	22.71	22.58	
1.4	64QAM	3	3	22.52	22.53	22.37	
1.4	64QAM	6	0	21.49	21.66	21.57	22.7
1.4	256QAM	1	0	19.51	19.54	19.67	20.7
1.4	256QAM	1	3	19.17	19.49	19.51	
1.4	256QAM	1	5	19.33	19.52	19.47	
1.4	256QAM	3	0	19.18	19.25	19.34	
1.4	256QAM	3	1	19.17	19.36	19.41	
1.4	256QAM	3	3	19.22	19.34	19.41	
1.4	256QAM	6	0	19.04	19.25	19.39	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.46	21.55	21.58	21.9
20	QPSK	1	49	21.44	21.54	21.43	
20	QPSK	1	99	21.45	21.24	20.98	
20	QPSK	50	0	21.53	21.56	21.57	21.9
20	QPSK	50	24	21.46	21.53	21.43	
20	QPSK	50	50	21.49	21.47	21.29	
20	QPSK	100	0	21.49	21.52	21.53	
20	16QAM	1	0	21.30	21.50	21.55	21.9
20	16QAM	1	49	21.35	21.38	21.19	
20	16QAM	1	99	21.37	21.34	21.05	
20	16QAM	50	0	21.45	21.48	21.52	21.9
20	16QAM	50	24	21.49	21.56	21.38	
20	16QAM	50	50	21.49	21.46	21.23	
20	16QAM	100	0	21.53	21.51	21.39	
20	64QAM	1	0	21.25	21.40	21.40	21.9
20	64QAM	1	49	21.26	21.41	21.20	
20	64QAM	1	99	21.24	21.21	20.87	
20	64QAM	50	0	21.50	21.54	21.54	21.9
20	64QAM	50	24	21.55	21.49	21.42	
20	64QAM	50	50	21.56	21.51	21.27	
20	64QAM	100	0	21.52	21.53	21.40	
20	256QAM	1	0	19.56	19.72	19.84	20.7
20	256QAM	1	49	19.48	19.67	19.60	
20	256QAM	1	99	19.43	19.47	19.58	
20	256QAM	50	0	19.37	19.42	19.42	20.7
20	256QAM	50	24	19.19	19.32	19.62	
20	256QAM	50	50	19.27	19.32	19.42	
20	256QAM	100	0	19.07	19.47	19.53	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.39	21.42	21.40	21.9
15	QPSK	1	37	21.28	21.52	21.25	
15	QPSK	1	74	21.31	21.16	20.85	
15	QPSK	36	0	21.35	21.56	21.41	21.9
15	QPSK	36	20	21.26	21.41	21.40	
15	QPSK	36	39	21.44	21.30	21.19	
15	QPSK	75	0	21.44	21.46	21.53	
15	16QAM	1	0	21.14	21.35	21.36	21.9
15	16QAM	1	37	21.34	21.36	21.05	
15	16QAM	1	74	21.33	21.25	21.03	
15	16QAM	36	0	21.35	21.30	21.35	21.9
15	16QAM	36	20	21.35	21.45	21.21	
15	16QAM	36	39	21.34	21.38	21.18	
15	16QAM	75	0	21.48	21.51	21.32	
15	64QAM	1	0	21.14	21.37	21.35	21.9
15	64QAM	1	37	21.26	21.38	21.20	
15	64QAM	1	74	21.24	21.08	20.72	
15	64QAM	36	0	21.31	21.35	21.51	21.9
15	64QAM	36	20	21.41	21.35	21.36	
15	64QAM	36	39	21.52	21.43	21.23	
15	64QAM	75	0	21.43	21.42	21.33	
15	256QAM	1	0	19.38	19.71	19.71	20.7
15	256QAM	1	37	19.46	19.57	19.43	
15	256QAM	1	74	19.38	19.42	19.56	
15	256QAM	36	0	19.28	19.25	19.25	20.7
15	256QAM	36	20	19.14	19.22	19.52	
15	256QAM	36	39	19.26	19.28	19.28	

15	256QAM	75	0	18.97	19.46	19.49	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.39	21.53	21.50	21.9
10	QPSK	1	25	21.27	21.51	21.34	
10	QPSK	1	49	21.31	21.19	20.85	
10	QPSK	25	0	21.50	21.38	21.37	21.9
10	QPSK	25	12	21.33	21.53	21.26	
10	QPSK	25	25	21.48	21.29	21.28	
10	QPSK	50	0	21.38	21.38	21.49	
10	16QAM	1	0	21.20	21.46	21.53	21.9
10	16QAM	1	25	21.33	21.37	21.13	
10	16QAM	1	49	21.25	21.30	20.88	
10	16QAM	25	0	21.38	21.30	21.50	21.9
10	16QAM	25	12	21.34	21.41	21.30	
10	16QAM	25	25	21.47	21.38	21.05	
10	16QAM	50	0	21.43	21.38	21.28	
10	64QAM	1	0	21.05	21.33	21.28	21.9
10	64QAM	1	25	21.08	21.25	21.04	
10	64QAM	1	49	21.08	21.18	20.71	
10	64QAM	25	0	21.35	21.52	21.50	21.9
10	64QAM	25	12	21.51	21.46	21.26	
10	64QAM	25	25	21.48	21.48	21.15	
10	64QAM	50	0	21.40	21.34	21.37	
10	256QAM	1	0	19.45	19.66	19.67	20.7
10	256QAM	1	25	19.45	19.54	19.57	
10	256QAM	1	49	19.32	19.35	19.48	
10	256QAM	25	0	19.17	19.29	19.33	20.7
10	256QAM	25	12	19.17	19.13	19.62	
10	256QAM	25	25	19.09	19.32	19.22	
10	256QAM	50	0	18.92	19.40	19.33	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.34	21.45	21.47	21.9
5	QPSK	1	12	21.34	21.34	21.36	
5	QPSK	1	24	21.42	21.22	20.95	
5	QPSK	12	0	21.49	21.56	21.44	21.9
5	QPSK	12	7	21.26	21.51	21.28	
5	QPSK	12	13	21.43	21.40	21.24	
5	QPSK	25	0	21.49	21.38	21.39	
5	16QAM	1	0	21.17	21.38	21.48	21.9
5	16QAM	1	12	21.32	21.18	21.15	
5	16QAM	1	24	21.36	21.17	20.96	
5	16QAM	12	0	21.41	21.30	21.40	21.9
5	16QAM	12	7	21.42	21.41	21.34	
5	16QAM	12	13	21.47	21.39	21.17	
5	16QAM	25	0	21.35	21.39	21.20	
5	64QAM	1	0	21.08	21.29	21.29	21.9
5	64QAM	1	12	21.23	21.34	21.14	
5	64QAM	1	24	21.11	21.04	20.85	
5	64QAM	12	0	21.30	21.47	21.38	21.9
5	64QAM	12	7	21.36	21.44	21.30	
5	64QAM	12	13	21.47	21.42	21.09	
5	64QAM	25	0	21.47	21.46	21.21	
5	256QAM	1	0	19.43	19.68	19.73	20.7
5	256QAM	1	12	19.41	19.52	19.58	
5	256QAM	1	24	19.43	19.43	19.44	
5	256QAM	12	0	19.35	19.26	19.32	20.7
5	256QAM	12	7	19.09	19.12	19.45	
5	256QAM	12	13	19.12	19.25	19.30	
5	256QAM	25	0	18.96	19.45	19.48	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.27	21.45	21.38	21.9
3	QPSK	1	8	21.37	21.50	21.34	
3	QPSK	1	14	21.28	21.10	20.87	
3	QPSK	8	0	21.38	21.49	21.42	21.9
3	QPSK	8	4	21.35	21.52	21.39	
3	QPSK	8	7	21.45	21.28	21.18	
3	QPSK	15	0	21.39	21.42	21.40	
3	16QAM	1	0	21.17	21.42	21.46	21.9
3	16QAM	1	8	21.35	21.29	21.18	
3	16QAM	1	14	21.33	21.21	20.94	
3	16QAM	8	0	21.37	21.39	21.34	21.9
3	16QAM	8	4	21.47	21.46	21.20	
3	16QAM	8	7	21.37	21.32	21.12	
3	16QAM	15	0	21.41	21.47	21.28	
3	64QAM	1	0	21.07	21.28	21.28	21.9
3	64QAM	1	8	21.08	21.32	21.19	
3	64QAM	1	14	21.24	21.07	20.69	
3	64QAM	8	0	21.42	21.51	21.39	21.9
3	64QAM	8	4	21.40	21.38	21.39	
3	64QAM	8	7	21.36	21.36	21.13	
3	64QAM	15	0	21.50	21.33	21.38	
3	256QAM	1	0	19.50	19.52	19.71	20.7
3	256QAM	1	8	19.48	19.48	19.50	
3	256QAM	1	14	19.27	19.28	19.51	
3	256QAM	8	0	19.36	19.37	19.28	20.7
3	256QAM	8	4	19.02	19.22	19.56	
3	256QAM	8	7	19.23	19.14	19.28	
3	256QAM	15	0	19.00	19.30	19.47	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.27	21.35	21.47	21.9
1.4	QPSK	1	3	21.38	21.50	21.32	
1.4	QPSK	1	5	21.33	21.12	20.82	
1.4	QPSK	3	0	21.37	21.55	21.42	
1.4	QPSK	3	1	21.32	21.45	21.24	
1.4	QPSK	3	3	21.44	21.46	21.25	
1.4	QPSK	6	0	21.39	21.51	21.51	21.9
1.4	16QAM	1	0	21.11	21.45	21.35	21.9
1.4	16QAM	1	3	21.32	21.26	21.07	
1.4	16QAM	1	5	21.26	21.24	20.86	
1.4	16QAM	3	0	21.26	21.34	21.41	
1.4	16QAM	3	1	21.30	21.52	21.35	
1.4	16QAM	3	3	21.30	21.26	21.20	
1.4	16QAM	6	0	21.47	21.42	21.37	21.9
1.4	64QAM	1	0	21.16	21.25	21.24	21.9
1.4	64QAM	1	3	21.08	21.28	21.07	
1.4	64QAM	1	5	21.18	21.14	20.67	
1.4	64QAM	3	0	21.50	21.35	21.41	
1.4	64QAM	3	1	21.48	21.39	21.23	
1.4	64QAM	3	3	21.50	21.48	21.23	
1.4	64QAM	6	0	21.47	21.40	21.26	21.9
1.4	256QAM	1	0	19.55	19.55	19.79	20.7
1.4	256QAM	1	3	19.39	19.65	19.59	
1.4	256QAM	1	5	19.27	19.47	19.56	
1.4	256QAM	3	0	19.32	19.40	19.39	
1.4	256QAM	3	1	19.14	19.30	19.60	
1.4	256QAM	3	3	19.08	19.22	19.23	
1.4	256QAM	6	0	19.06	19.30	19.41	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.46	21.55	21.58	22.7
20	QPSK	1	49	21.44	21.54	21.43	
20	QPSK	1	99	21.45	21.24	20.98	
20	QPSK	50	0	21.53	21.56	21.57	22.7
20	QPSK	50	24	21.46	21.53	21.43	
20	QPSK	50	50	21.49	21.47	21.29	
20	QPSK	100	0	21.49	21.52	21.53	
20	16QAM	1	0	21.30	21.50	21.55	22.7
20	16QAM	1	49	21.35	21.38	21.19	
20	16QAM	1	99	21.37	21.34	21.05	
20	16QAM	50	0	21.45	21.48	21.52	22.7
20	16QAM	50	24	21.49	21.56	21.38	
20	16QAM	50	50	21.49	21.46	21.23	
20	16QAM	100	0	21.53	21.51	21.39	
20	64QAM	1	0	21.25	21.40	21.40	22.7
20	64QAM	1	49	21.26	21.41	21.20	
20	64QAM	1	99	21.24	21.21	20.87	
20	64QAM	50	0	21.50	21.54	21.54	22.7
20	64QAM	50	24	21.55	21.49	21.42	
20	64QAM	50	50	21.56	21.51	21.27	
20	64QAM	100	0	21.52	21.53	21.40	
20	256QAM	1	0	19.56	19.72	19.84	20.7
20	256QAM	1	49	19.48	19.67	19.60	
20	256QAM	1	99	19.43	19.47	19.58	
20	256QAM	50	0	19.37	19.42	19.42	20.7
20	256QAM	50	24	19.19	19.32	19.62	
20	256QAM	50	50	19.27	19.32	19.42	
20	256QAM	100	0	19.07	19.47	19.53	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.39	21.42	21.40	22.7
15	QPSK	1	37	21.28	21.52	21.25	
15	QPSK	1	74	21.31	21.16	20.85	
15	QPSK	36	0	21.35	21.56	21.41	22.7
15	QPSK	36	20	21.26	21.41	21.40	
15	QPSK	36	39	21.44	21.30	21.19	
15	QPSK	75	0	21.44	21.46	21.53	
15	16QAM	1	0	21.14	21.35	21.36	22.7
15	16QAM	1	37	21.34	21.36	21.05	
15	16QAM	1	74	21.33	21.25	21.03	
15	16QAM	36	0	21.35	21.30	21.35	22.7
15	16QAM	36	20	21.35	21.45	21.21	
15	16QAM	36	39	21.34	21.38	21.18	
15	16QAM	75	0	21.48	21.51	21.32	
15	64QAM	1	0	21.14	21.37	21.35	22.7
15	64QAM	1	37	21.26	21.38	21.20	
15	64QAM	1	74	21.24	21.08	20.72	
15	64QAM	36	0	21.31	21.35	21.51	22.7
15	64QAM	36	20	21.41	21.35	21.36	
15	64QAM	36	39	21.52	21.43	21.23	
15	64QAM	75	0	21.43	21.42	21.33	
15	256QAM	1	0	19.38	19.71	19.71	20.7
15	256QAM	1	37	19.46	19.57	19.43	
15	256QAM	1	74	19.38	19.42	19.56	
15	256QAM	36	0	19.28	19.25	19.25	20.7
15	256QAM	36	20	19.14	19.22	19.52	
15	256QAM	36	39	19.26	19.28	19.28	

15	256QAM	75	0	18.97	19.46	19.49	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.39	21.53	21.50	22.7
10	QPSK	1	25	21.27	21.51	21.34	
10	QPSK	1	49	21.31	21.19	20.85	
10	QPSK	25	0	21.50	21.38	21.37	22.7
10	QPSK	25	12	21.33	21.53	21.26	
10	QPSK	25	25	21.48	21.29	21.28	
10	QPSK	50	0	21.38	21.38	21.49	
10	16QAM	1	0	21.20	21.46	21.53	22.7
10	16QAM	1	25	21.33	21.37	21.13	
10	16QAM	1	49	21.25	21.30	20.88	
10	16QAM	25	0	21.38	21.30	21.50	22.7
10	16QAM	25	12	21.34	21.41	21.30	
10	16QAM	25	25	21.47	21.38	21.05	
10	16QAM	50	0	21.43	21.38	21.28	
10	64QAM	1	0	21.05	21.33	21.28	22.7
10	64QAM	1	25	21.08	21.25	21.04	
10	64QAM	1	49	21.08	21.18	20.71	
10	64QAM	25	0	21.35	21.52	21.50	22.7
10	64QAM	25	12	21.51	21.46	21.26	
10	64QAM	25	25	21.48	21.48	21.15	
10	64QAM	50	0	21.40	21.34	21.37	
10	256QAM	1	0	19.45	19.66	19.67	20.7
10	256QAM	1	25	19.45	19.54	19.57	
10	256QAM	1	49	19.32	19.35	19.48	
10	256QAM	25	0	19.17	19.29	19.33	20.7
10	256QAM	25	12	19.17	19.13	19.62	
10	256QAM	25	25	19.09	19.32	19.22	
10	256QAM	50	0	18.92	19.40	19.33	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.34	21.45	21.47	22.7
5	QPSK	1	12	21.34	21.34	21.36	
5	QPSK	1	24	21.42	21.22	20.95	
5	QPSK	12	0	21.49	21.56	21.44	22.7
5	QPSK	12	7	21.26	21.51	21.28	
5	QPSK	12	13	21.43	21.40	21.24	
5	QPSK	25	0	21.49	21.38	21.39	
5	16QAM	1	0	21.17	21.38	21.48	22.7
5	16QAM	1	12	21.32	21.18	21.15	
5	16QAM	1	24	21.36	21.17	20.96	
5	16QAM	12	0	21.41	21.30	21.40	22.7
5	16QAM	12	7	21.42	21.41	21.34	
5	16QAM	12	13	21.47	21.39	21.17	
5	16QAM	25	0	21.35	21.39	21.20	
5	64QAM	1	0	21.08	21.29	21.29	22.7
5	64QAM	1	12	21.23	21.34	21.14	
5	64QAM	1	24	21.11	21.04	20.85	
5	64QAM	12	0	21.30	21.47	21.38	22.7
5	64QAM	12	7	21.36	21.44	21.30	
5	64QAM	12	13	21.47	21.42	21.09	
5	64QAM	25	0	21.47	21.46	21.21	
5	256QAM	1	0	19.43	19.68	19.73	20.7
5	256QAM	1	12	19.41	19.52	19.58	
5	256QAM	1	24	19.43	19.43	19.44	
5	256QAM	12	0	19.35	19.26	19.32	20.7
5	256QAM	12	7	19.09	19.12	19.45	
5	256QAM	12	13	19.12	19.25	19.30	
5	256QAM	25	0	18.96	19.45	19.48	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.27	21.45	21.38	22.7
3	QPSK	1	8	21.37	21.50	21.34	
3	QPSK	1	14	21.28	21.10	20.87	
3	QPSK	8	0	21.38	21.49	21.42	22.7
3	QPSK	8	4	21.35	21.52	21.39	
3	QPSK	8	7	21.45	21.28	21.18	
3	QPSK	15	0	21.39	21.42	21.40	
3	16QAM	1	0	21.17	21.42	21.46	22.7
3	16QAM	1	8	21.35	21.29	21.18	
3	16QAM	1	14	21.33	21.21	20.94	
3	16QAM	8	0	21.37	21.39	21.34	22.7
3	16QAM	8	4	21.47	21.46	21.20	
3	16QAM	8	7	21.37	21.32	21.12	
3	16QAM	15	0	21.41	21.47	21.28	
3	64QAM	1	0	21.07	21.28	21.28	22.7
3	64QAM	1	8	21.08	21.32	21.19	
3	64QAM	1	14	21.24	21.07	20.89	
3	64QAM	8	0	21.42	21.51	21.39	22.7
3	64QAM	8	4	21.40	21.38	21.39	
3	64QAM	8	7	21.36	21.36	21.13	
3	64QAM	15	0	21.50	21.33	21.38	
3	256QAM	1	0	19.50	19.52	19.71	20.7
3	256QAM	1	8	19.48	19.48	19.50	
3	256QAM	1	14	19.27	19.28	19.51	
3	256QAM	8	0	19.36	19.37	19.28	20.7
3	256QAM	8	4	19.02	19.22	19.56	
3	256QAM	8	7	19.23	19.14	19.28	
3	256QAM	15	0	19.00	19.30	19.47	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.27	21.35	21.47	22.7
1.4	QPSK	1	3	21.38	21.50	21.32	
1.4	QPSK	1	5	21.33	21.12	20.82	
1.4	QPSK	3	0	21.37	21.55	21.42	
1.4	QPSK	3	1	21.32	21.45	21.24	
1.4	QPSK	3	3	21.44	21.46	21.25	
1.4	QPSK	6	0	21.39	21.51	21.51	22.7
1.4	16QAM	1	0	21.11	21.45	21.35	22.7
1.4	16QAM	1	3	21.32	21.26	21.07	
1.4	16QAM	1	5	21.26	21.24	20.86	
1.4	16QAM	3	0	21.26	21.34	21.41	
1.4	16QAM	3	1	21.30	21.52	21.35	
1.4	16QAM	3	3	21.30	21.26	21.20	
1.4	16QAM	6	0	21.47	21.42	21.37	22.7
1.4	64QAM	1	0	21.16	21.25	21.24	22.7
1.4	64QAM	1	3	21.08	21.28	21.07	
1.4	64QAM	1	5	21.18	21.14	20.87	
1.4	64QAM	3	0	21.50	21.35	21.41	
1.4	64QAM	3	1	21.48	21.39	21.23	
1.4	64QAM	3	3	21.50	21.48	21.23	
1.4	64QAM	6	0	21.47	21.40	21.26	22.7
1.4	256QAM	1	0	19.55	19.55	19.79	20.7
1.4	256QAM	1	3	19.39	19.65	19.59	
1.4	256QAM	1	5	19.27	19.47	19.56	
1.4	256QAM	3	0	19.32	19.40	19.39	
1.4	256QAM	3	1	19.14	19.30	19.60	
1.4	256QAM	3	3	19.08	19.22	19.23	
1.4	256QAM	6	0	19.06	19.30	19.41	20.7

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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	24.75	24.82	24.78	25.7
20	QPSK	1	49	24.64	24.69	24.50	
20	QPSK	1	99	24.73	24.44	24.19	
20	QPSK	50	0	23.64	23.69	23.60	24.7
20	QPSK	50	24	23.61	23.61	23.45	
20	QPSK	50	50	23.57	23.53	23.30	
20	QPSK	100	0	23.59	23.66	23.44	
20	16QAM	1	0	23.79	23.96	23.99	24.7
20	16QAM	1	49	23.66	23.88	23.69	
20	16QAM	1	99	23.87	23.68	23.40	
20	16QAM	50	0	22.56	22.68	22.57	23.7
20	16QAM	50	24	22.59	22.65	22.46	
20	16QAM	50	50	22.59	22.55	22.31	
20	16QAM	100	0	22.58	22.57	22.44	
20	64QAM	1	0	22.55	22.84	22.91	23.7
20	64QAM	1	49	22.65	22.77	22.67	
20	64QAM	1	99	22.66	22.65	22.45	
20	64QAM	50	0	21.57	21.69	21.60	22.7
20	64QAM	50	24	21.61	21.66	21.47	
20	64QAM	50	50	21.61	21.57	21.32	
20	64QAM	100	0	21.59	21.59	21.44	
20	256QAM	1	0	19.55	19.73	19.79	20.7
20	256QAM	1	49	19.36	19.64	19.66	
20	256QAM	1	99	19.45	19.63	19.65	
20	256QAM	50	0	19.22	19.42	19.46	20.7
20	256QAM	50	24	19.26	19.46	19.45	
20	256QAM	50	50	19.23	19.43	19.42	
20	256QAM	100	0	19.17	19.45	19.44	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.57	24.70	24.62	25.7
15	QPSK	1	37	24.61	24.51	24.44	
15	QPSK	1	74	24.67	24.28	24.09	
15	QPSK	36	0	23.63	23.66	23.42	24.7
15	QPSK	36	20	23.57	23.51	23.26	
15	QPSK	36	39	23.50	23.48	23.10	
15	QPSK	75	0	23.42	23.52	23.28	
15	16QAM	1	0	23.61	23.88	23.93	24.7
15	16QAM	1	37	23.60	23.83	23.65	
15	16QAM	1	74	23.69	23.55	23.31	
15	16QAM	36	0	22.40	22.61	22.53	23.7
15	16QAM	36	20	22.48	22.48	22.30	
15	16QAM	36	39	22.43	22.53	22.29	
15	16QAM	75	0	22.41	22.53	22.26	
15	64QAM	1	0	22.52	22.70	22.72	23.7
15	64QAM	1	37	22.45	22.76	22.52	
15	64QAM	1	74	22.50	22.60	22.40	
15	64QAM	36	0	21.41	21.61	21.50	22.7
15	64QAM	36	20	21.49	21.54	21.43	
15	64QAM	36	39	21.48	21.54	21.26	
15	64QAM	75	0	21.50	21.54	21.41	
15	256QAM	1	0	19.47	19.59	19.60	20.7
15	256QAM	1	37	19.19	19.51	19.47	
15	256QAM	1	74	19.34	19.56	19.65	
15	256QAM	36	0	19.08	19.38	19.33	20.7
15	256QAM	36	20	19.12	19.32	19.44	
15	256QAM	36	39	19.23	19.34	19.33	

15	256QAM	75	0	19.01	19.42	19.25	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.74	24.75	24.73	25.7
10	QPSK	1	25	24.55	24.58	24.50	
10	QPSK	1	49	24.66	24.33	24.10	
10	QPSK	25	0	23.54	23.54	23.42	24.7
10	QPSK	25	12	23.53	23.51	23.39	
10	QPSK	25	25	23.40	23.33	23.23	
10	QPSK	50	0	23.58	23.62	23.35	
10	16QAM	1	0	23.78	23.93	23.82	24.7
10	16QAM	1	25	23.58	23.88	23.49	
10	16QAM	1	49	23.83	23.62	23.26	
10	16QAM	25	0	22.44	22.56	22.44	23.7
10	16QAM	25	12	22.57	22.47	22.43	
10	16QAM	25	25	22.55	22.51	22.19	
10	16QAM	50	0	22.51	22.50	22.27	
10	64QAM	1	0	22.46	22.80	22.86	23.7
10	64QAM	1	25	22.58	22.72	22.52	
10	64QAM	1	49	22.59	22.46	22.32	
10	64QAM	25	0	21.46	21.51	21.41	22.7
10	64QAM	25	12	21.45	21.64	21.41	
10	64QAM	25	25	21.48	21.41	21.21	
10	64QAM	50	0	21.57	21.49	21.27	
10	256QAM	1	0	19.38	19.56	19.76	20.7
10	256QAM	1	25	19.28	19.61	19.64	
10	256QAM	1	49	19.41	19.53	19.45	
10	256QAM	25	0	19.08	19.22	19.40	20.7
10	256QAM	25	12	19.24	19.46	19.41	
10	256QAM	25	25	19.22	19.25	19.39	
10	256QAM	50	0	19.07	19.37	19.25	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.75	24.74	24.58	25.7
5	QPSK	1	12	24.49	24.63	24.39	
5	QPSK	1	24	24.64	24.32	23.99	
5	QPSK	12	0	23.58	23.59	23.48	24.7
5	QPSK	12	7	23.51	23.45	23.43	
5	QPSK	12	13	23.53	23.48	23.27	
5	QPSK	25	0	23.59	23.59	23.41	
5	16QAM	1	0	23.61	23.80	23.85	24.7
5	16QAM	1	12	23.62	23.72	23.69	
5	16QAM	1	24	23.78	23.68	23.20	
5	16QAM	12	0	22.53	22.65	22.46	23.7
5	16QAM	12	7	22.44	22.60	22.46	
5	16QAM	12	13	22.57	22.37	22.15	
5	16QAM	25	0	22.41	22.48	22.26	
5	64QAM	1	0	22.38	22.70	22.83	23.7
5	64QAM	1	12	22.45	22.65	22.64	
5	64QAM	1	24	22.47	22.62	22.41	
5	64QAM	12	0	21.55	21.57	21.45	22.7
5	64QAM	12	7	21.54	21.52	21.40	
5	64QAM	12	13	21.42	21.54	21.21	
5	64QAM	25	0	21.52	21.48	21.40	
5	256QAM	1	0	19.38	19.65	19.75	20.7
5	256QAM	1	12	19.20	19.46	19.49	
5	256QAM	1	24	19.33	19.59	19.64	
5	256QAM	12	0	19.13	19.35	19.39	20.7
5	256QAM	12	7	19.12	19.31	19.37	
5	256QAM	12	13	19.21	19.39	19.37	
5	256QAM	25	0	19.16	19.44	19.38	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.70	24.64	24.72	25.7
3	QPSK	1	8	24.56	24.69	24.44	
3	QPSK	1	14	24.66	24.27	24.07	
3	QPSK	8	0	23.58	23.60	23.48	24.7
3	QPSK	8	4	23.61	23.53	23.38	
3	QPSK	8	7	23.39	23.41	23.11	
3	QPSK	15	0	23.39	23.66	23.33	
3	16QAM	1	0	23.74	23.87	23.86	24.7
3	16QAM	1	8	23.52	23.71	23.51	
3	16QAM	1	14	23.85	23.50	23.20	
3	16QAM	8	0	22.50	22.52	22.39	23.7
3	16QAM	8	4	22.51	22.49	22.26	
3	16QAM	8	7	22.59	22.48	22.31	
3	16QAM	15	0	22.56	22.51	22.26	
3	64QAM	1	0	22.47	22.82	22.73	23.7
3	64QAM	1	8	22.62	22.58	22.67	
3	64QAM	1	14	22.64	22.48	22.43	
3	64QAM	8	0	21.40	21.62	21.51	22.7
3	64QAM	8	4	21.59	21.58	21.41	
3	64QAM	8	7	21.48	21.38	21.12	
3	64QAM	15	0	21.41	21.39	21.40	
3	256QAM	1	0	19.54	19.62	19.70	20.7
3	256QAM	1	8	19.27	19.62	19.62	
3	256QAM	1	14	19.27	19.58	19.53	
3	256QAM	8	0	19.02	19.40	19.37	20.7
3	256QAM	8	4	19.09	19.38	19.45	
3	256QAM	8	7	19.08	19.25	19.28	
3	256QAM	15	0	19.11	19.43	19.28	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.63	24.77	24.74	25.7
1.4	QPSK	1	3	24.50	24.49	24.33	
1.4	QPSK	1	5	24.58	24.39	24.19	
1.4	QPSK	3	0	24.66	24.81	24.71	
1.4	QPSK	3	1	24.52	24.54	24.38	
1.4	QPSK	3	3	24.58	24.38	24.01	
1.4	QPSK	6	0	23.64	23.62	23.60	24.7
1.4	16QAM	1	0	23.52	23.48	23.43	24.7
1.4	16QAM	1	3	23.40	23.53	23.19	
1.4	16QAM	1	5	23.54	23.64	23.43	
1.4	16QAM	3	0	23.69	23.83	23.88	
1.4	16QAM	3	1	23.56	23.82	23.53	
1.4	16QAM	3	3	23.84	23.68	23.31	
1.4	16QAM	6	0	22.52	22.57	22.38	23.7
1.4	64QAM	1	0	22.59	22.47	22.27	23.7
1.4	64QAM	1	3	22.46	22.49	22.13	
1.4	64QAM	1	5	22.52	22.55	22.25	
1.4	64QAM	3	0	22.52	22.70	22.85	
1.4	64QAM	3	1	22.50	22.71	22.58	
1.4	64QAM	3	3	22.52	22.53	22.37	
1.4	64QAM	6	0	21.49	21.66	21.57	22.7
1.4	256QAM	1	0	19.51	19.54	19.67	20.7
1.4	256QAM	1	3	19.17	19.49	19.51	
1.4	256QAM	1	5	19.33	19.52	19.47	
1.4	256QAM	3	0	19.18	19.25	19.34	
1.4	256QAM	3	1	19.17	19.36	19.41	
1.4	256QAM	3	3	19.22	19.34	19.41	
1.4	256QAM	6	0	19.04	19.25	19.39	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.48	21.47	21.6
20	QPSK	1	49	21.10	21.42	21.38	
20	QPSK	1	99	21.17	21.39	21.41	
20	QPSK	50	0	21.19	21.35	21.34	21.6
20	QPSK	50	24	21.06	21.30	21.30	
20	QPSK	50	50	21.12	21.32	21.32	
20	QPSK	100	0	21.07	21.40	21.38	
20	16QAM	1	0	21.15	21.41	21.29	21.6
20	16QAM	1	49	21.06	21.30	21.41	
20	16QAM	1	99	21.05	21.37	21.34	
20	16QAM	50	0	21.06	21.33	21.33	21.6
20	16QAM	50	24	21.21	21.36	21.45	
20	16QAM	50	50	21.08	21.44	21.28	
20	16QAM	100	0	21.13	21.41	21.33	
20	64QAM	1	0	21.03	21.35	21.37	21.6
20	64QAM	1	49	21.18	21.29	21.44	
20	64QAM	1	99	21.17	21.34	21.35	
20	64QAM	50	0	21.07	21.32	21.47	21.6
20	64QAM	50	24	21.21	21.38	21.34	
20	64QAM	50	50	21.16	21.31	21.37	
20	64QAM	100	0	21.02	21.37	21.41	
20	256QAM	1	0	19.58	19.63	19.80	20.7
20	256QAM	1	49	19.26	19.68	19.67	
20	256QAM	1	99	19.42	19.64	19.55	
20	256QAM	50	0	19.22	19.48	19.44	20.7
20	256QAM	50	24	19.31	19.48	19.39	
20	256QAM	50	50	19.16	19.53	19.48	
20	256QAM	100	0	19.17	19.42	19.34	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.20	21.32	21.27	21.6
15	QPSK	1	37	21.01	21.31	21.28	
15	QPSK	1	74	21.04	21.37	21.27	
15	QPSK	36	0	21.06	21.35	21.18	21.6
15	QPSK	36	20	20.98	21.23	21.25	
15	QPSK	36	39	21.01	21.27	21.27	
15	QPSK	75	0	20.97	21.35	21.30	
15	16QAM	1	0	20.98	21.21	21.22	21.6
15	16QAM	1	37	20.93	21.12	21.40	
15	16QAM	1	74	20.97	21.35	21.34	
15	16QAM	36	0	20.96	21.31	21.32	21.6
15	16QAM	36	20	21.16	21.27	21.25	
15	16QAM	36	39	21.06	21.25	21.08	
15	16QAM	75	0	20.94	21.33	21.25	
15	64QAM	1	0	21.03	21.28	21.20	21.6
15	64QAM	1	37	21.12	21.21	21.39	
15	64QAM	1	74	21.09	21.30	21.19	
15	64QAM	36	0	20.93	21.26	21.40	21.6
15	64QAM	36	20	21.18	21.38	21.30	
15	64QAM	36	39	20.97	21.17	21.27	
15	64QAM	75	0	20.94	21.28	21.24	
15	256QAM	1	0	19.57	19.63	19.75	20.7
15	256QAM	1	37	19.18	19.58	19.55	
15	256QAM	1	74	19.41	19.56	19.55	
15	256QAM	36	0	19.07	19.43	19.26	20.7
15	256QAM	36	20	19.31	19.44	19.26	
15	256QAM	36	39	19.10	19.38	19.46	

15	256QAM	75	0	19.17	19.36	19.32	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.07	21.46	21.46	21.6
10	QPSK	1	25	20.90	21.34	21.29	
10	QPSK	1	49	21.14	21.34	21.26	
10	QPSK	25	0	21.17	21.21	21.29	21.6
10	QPSK	25	12	20.88	21.23	21.18	
10	QPSK	25	25	20.96	21.17	21.24	
10	QPSK	50	0	21.03	21.33	21.30	
10	16QAM	1	0	21.13	21.22	21.19	21.6
10	16QAM	1	25	20.91	21.14	21.34	
10	16QAM	1	49	20.97	21.19	21.19	
10	16QAM	25	0	21.03	21.24	21.24	21.6
10	16QAM	25	12	21.07	21.18	21.30	
10	16QAM	25	25	20.92	21.35	21.18	
10	16QAM	50	0	20.93	21.28	21.29	
10	64QAM	1	0	20.89	21.33	21.21	21.6
10	64QAM	1	25	21.07	21.26	21.40	
10	64QAM	1	49	21.12	21.28	21.19	
10	64QAM	25	0	21.03	21.31	21.28	21.6
10	64QAM	25	12	21.21	21.18	21.29	
10	64QAM	25	25	21.16	21.25	21.22	
10	64QAM	50	0	20.87	21.37	21.26	
10	256QAM	1	0	19.57	19.60	19.75	20.7
10	256QAM	1	25	19.14	19.67	19.60	
10	256QAM	1	49	19.28	19.44	19.51	
10	256QAM	25	0	19.18	19.36	19.42	20.7
10	256QAM	25	12	19.17	19.42	19.36	
10	256QAM	25	25	19.05	19.34	19.47	
10	256QAM	50	0	19.17	19.25	19.17	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.02	21.30	21.32	21.6
5	QPSK	1	12	21.07	21.30	21.34	
5	QPSK	1	24	21.14	21.22	21.35	
5	QPSK	12	0	21.08	21.17	21.34	21.6
5	QPSK	12	7	21.06	21.17	21.11	
5	QPSK	12	13	21.00	21.31	21.28	
5	QPSK	25	0	21.04	21.33	21.29	
5	16QAM	1	0	21.08	21.35	21.19	21.6
5	16QAM	1	12	20.99	21.23	21.25	
5	16QAM	1	24	20.91	21.30	21.28	
5	16QAM	12	0	20.87	21.13	21.29	21.6
5	16QAM	12	7	21.17	21.31	21.43	
5	16QAM	12	13	20.93	21.38	21.15	
5	16QAM	25	0	20.98	21.32	21.33	
5	64QAM	1	0	20.99	21.27	21.20	21.6
5	64QAM	1	12	21.18	21.16	21.31	
5	64QAM	1	24	21.14	21.29	21.26	
5	64QAM	12	0	21.01	21.21	21.43	21.6
5	64QAM	12	7	21.01	21.18	21.19	
5	64QAM	12	13	21.15	21.15	21.22	
5	64QAM	25	0	20.98	21.35	21.35	
5	256QAM	1	0	19.46	19.47	19.74	20.7
5	256QAM	1	12	19.18	19.55	19.55	
5	256QAM	1	24	19.41	19.46	19.46	
5	256QAM	12	0	19.22	19.41	19.37	20.7
5	256QAM	12	7	19.27	19.38	19.23	
5	256QAM	12	13	19.10	19.53	19.47	
5	256QAM	25	0	19.11	19.37	19.23	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.21	21.43	21.40	21.6
3	QPSK	1	8	20.90	21.42	21.25	
3	QPSK	1	14	20.99	21.20	21.31	
3	QPSK	8	0	21.00	21.21	21.26	21.6
3	QPSK	8	4	20.94	21.28	21.13	
3	QPSK	8	7	20.95	21.25	21.14	
3	QPSK	15	0	21.07	21.32	21.29	
3	16QAM	1	0	21.12	21.39	21.18	21.6
3	16QAM	1	8	20.92	21.23	21.27	
3	16QAM	1	14	20.99	21.37	21.23	
3	16QAM	8	0	21.04	21.18	21.18	21.6
3	16QAM	8	4	21.09	21.22	21.45	
3	16QAM	8	7	20.95	21.27	21.20	
3	16QAM	15	0	21.13	21.21	21.20	
3	64QAM	1	0	21.00	21.21	21.22	21.6
3	64QAM	1	8	21.02	21.10	21.28	
3	64QAM	1	14	21.02	21.19	21.17	
3	64QAM	8	0	20.91	21.25	21.46	21.6
3	64QAM	8	4	21.17	21.19	21.31	
3	64QAM	8	7	21.06	21.20	21.20	
3	64QAM	15	0	21.01	21.17	21.37	
3	256QAM	1	0	19.44	19.52	19.73	20.7
3	256QAM	1	8	19.26	19.48	19.63	
3	256QAM	1	14	19.35	19.56	19.38	
3	256QAM	8	0	19.03	19.37	19.27	20.7
3	256QAM	8	4	19.23	19.37	19.29	
3	256QAM	8	7	19.08	19.34	19.43	
3	256QAM	15	0	19.12	19.41	19.16	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.15	21.44	21.31	21.6
1.4	QPSK	1	3	20.95	21.31	21.34	
1.4	QPSK	1	5	21.01	21.38	21.23	
1.4	QPSK	3	0	21.14	21.35	21.15	
1.4	QPSK	3	1	20.96	21.24	21.26	
1.4	QPSK	3	3	20.94	21.20	21.32	
1.4	QPSK	6	0	20.98	21.32	21.26	21.6
1.4	16QAM	1	0	21.01	21.36	21.25	21.6
1.4	16QAM	1	3	20.97	21.17	21.40	
1.4	16QAM	1	5	20.85	21.30	21.30	
1.4	16QAM	3	0	20.92	21.19	21.13	
1.4	16QAM	3	1	21.16	21.27	21.31	
1.4	16QAM	3	3	20.89	21.35	21.26	
1.4	16QAM	6	0	21.01	21.33	21.27	21.6
1.4	64QAM	1	0	20.85	21.24	21.30	21.6
1.4	64QAM	1	3	21.18	21.16	21.31	
1.4	64QAM	1	5	21.04	21.19	21.34	
1.4	64QAM	3	0	20.91	21.21	21.37	
1.4	64QAM	3	1	21.06	21.22	21.31	
1.4	64QAM	3	3	21.07	21.27	21.25	
1.4	64QAM	6	0	20.96	21.26	21.30	21.6
1.4	256QAM	1	0	19.38	19.48	19.73	20.7
1.4	256QAM	1	3	19.26	19.64	19.56	
1.4	256QAM	1	5	19.25	19.56	19.39	
1.4	256QAM	3	0	19.12	19.30	19.39	
1.4	256QAM	3	1	19.17	19.41	19.20	
1.4	256QAM	3	3	19.02	19.53	19.33	
1.4	256QAM	6	0	19.17	19.36	19.28	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.22	21.48	21.47	22.4
20	QPSK	1	49	21.10	21.42	21.38	
20	QPSK	1	99	21.17	21.39	21.41	
20	QPSK	50	0	21.19	21.35	21.34	22.4
20	QPSK	50	24	21.06	21.30	21.30	
20	QPSK	50	50	21.12	21.32	21.32	
20	QPSK	100	0	21.07	21.40	21.38	
20	16QAM	1	0	21.15	21.41	21.29	22.4
20	16QAM	1	49	21.06	21.30	21.41	
20	16QAM	1	99	21.05	21.37	21.34	
20	16QAM	50	0	21.06	21.33	21.33	22.4
20	16QAM	50	24	21.21	21.36	21.45	
20	16QAM	50	50	21.08	21.44	21.28	
20	16QAM	100	0	21.13	21.41	21.33	
20	64QAM	1	0	21.03	21.35	21.37	22.4
20	64QAM	1	49	21.18	21.29	21.44	
20	64QAM	1	99	21.17	21.34	21.35	
20	64QAM	50	0	21.07	21.32	21.47	22.4
20	64QAM	50	24	21.21	21.38	21.34	
20	64QAM	50	50	21.16	21.31	21.37	
20	64QAM	100	0	21.02	21.37	21.41	
20	256QAM	1	0	19.58	19.63	19.80	20.7
20	256QAM	1	49	19.26	19.68	19.67	
20	256QAM	1	99	19.42	19.64	19.55	
20	256QAM	50	0	19.22	19.48	19.44	20.7
20	256QAM	50	24	19.31	19.48	19.39	
20	256QAM	50	50	19.16	19.53	19.48	
20	256QAM	100	0	19.17	19.42	19.34	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.20	21.32	21.27	22.4
15	QPSK	1	37	21.01	21.31	21.28	
15	QPSK	1	74	21.04	21.37	21.27	
15	QPSK	36	0	21.06	21.35	21.18	22.4
15	QPSK	36	20	20.98	21.23	21.25	
15	QPSK	36	39	21.01	21.27	21.27	
15	QPSK	75	0	20.97	21.35	21.30	
15	16QAM	1	0	20.98	21.21	21.22	22.4
15	16QAM	1	37	20.93	21.12	21.40	
15	16QAM	1	74	20.97	21.35	21.34	
15	16QAM	36	0	20.96	21.31	21.32	22.4
15	16QAM	36	20	21.16	21.27	21.25	
15	16QAM	36	39	21.06	21.25	21.08	
15	16QAM	75	0	20.94	21.33	21.25	
15	64QAM	1	0	21.03	21.28	21.20	22.4
15	64QAM	1	37	21.12	21.21	21.39	
15	64QAM	1	74	21.09	21.30	21.19	
15	64QAM	36	0	20.93	21.26	21.40	22.4
15	64QAM	36	20	21.18	21.38	21.30	
15	64QAM	36	39	20.97	21.17	21.27	
15	64QAM	75	0	20.94	21.28	21.24	
15	256QAM	1	0	19.57	19.63	19.75	20.7
15	256QAM	1	37	19.18	19.58	19.55	
15	256QAM	1	74	19.41	19.56	19.55	
15	256QAM	36	0	19.07	19.43	19.26	20.7
15	256QAM	36	20	19.31	19.44	19.26	
15	256QAM	36	39	19.10	19.38	19.46	

15	256QAM	75	0	19.17	19.36	19.32	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.07	21.46	21.46	22.4
10	QPSK	1	25	20.90	21.34	21.29	
10	QPSK	1	49	21.14	21.34	21.26	
10	QPSK	25	0	21.17	21.21	21.29	22.4
10	QPSK	25	12	20.88	21.23	21.18	
10	QPSK	25	25	20.96	21.17	21.24	
10	QPSK	50	0	21.03	21.33	21.30	
10	16QAM	1	0	21.13	21.22	21.19	22.4
10	16QAM	1	25	20.91	21.14	21.34	
10	16QAM	1	49	20.97	21.19	21.19	
10	16QAM	25	0	21.03	21.24	21.24	22.4
10	16QAM	25	12	21.07	21.18	21.30	
10	16QAM	25	25	20.92	21.35	21.18	
10	16QAM	50	0	20.93	21.28	21.29	
10	64QAM	1	0	20.89	21.33	21.21	22.4
10	64QAM	1	25	21.07	21.26	21.40	
10	64QAM	1	49	21.12	21.28	21.19	
10	64QAM	25	0	21.03	21.31	21.28	22.4
10	64QAM	25	12	21.21	21.18	21.29	
10	64QAM	25	25	21.16	21.25	21.22	
10	64QAM	50	0	20.87	21.37	21.26	
10	256QAM	1	0	19.57	19.60	19.75	20.7
10	256QAM	1	25	19.14	19.67	19.60	
10	256QAM	1	49	19.28	19.44	19.51	
10	256QAM	25	0	19.18	19.36	19.42	20.7
10	256QAM	25	12	19.17	19.42	19.36	
10	256QAM	25	25	19.05	19.34	19.47	
10	256QAM	50	0	19.17	19.25	19.17	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.02	21.30	21.32	22.4
5	QPSK	1	12	21.07	21.30	21.34	
5	QPSK	1	24	21.14	21.22	21.35	
5	QPSK	12	0	21.08	21.17	21.34	22.4
5	QPSK	12	7	21.06	21.17	21.11	
5	QPSK	12	13	21.00	21.31	21.28	
5	QPSK	25	0	21.04	21.33	21.29	
5	16QAM	1	0	21.08	21.35	21.19	22.4
5	16QAM	1	12	20.99	21.23	21.25	
5	16QAM	1	24	20.91	21.30	21.28	
5	16QAM	12	0	20.87	21.13	21.29	22.4
5	16QAM	12	7	21.17	21.31	21.43	
5	16QAM	12	13	20.93	21.38	21.15	
5	16QAM	25	0	20.98	21.32	21.33	
5	64QAM	1	0	20.99	21.27	21.20	22.4
5	64QAM	1	12	21.18	21.16	21.31	
5	64QAM	1	24	21.14	21.29	21.26	
5	64QAM	12	0	21.01	21.21	21.43	22.4
5	64QAM	12	7	21.01	21.18	21.19	
5	64QAM	12	13	21.15	21.15	21.22	
5	64QAM	25	0	20.98	21.35	21.35	
5	256QAM	1	0	19.46	19.47	19.74	20.7
5	256QAM	1	12	19.18	19.55	19.55	
5	256QAM	1	24	19.41	19.46	19.46	
5	256QAM	12	0	19.22	19.41	19.37	20.7
5	256QAM	12	7	19.27	19.38	19.23	
5	256QAM	12	13	19.10	19.53	19.47	
5	256QAM	25	0	19.11	19.37	19.23	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.21	21.43	21.40	22.4
3	QPSK	1	8	20.90	21.42	21.25	
3	QPSK	1	14	20.99	21.20	21.31	
3	QPSK	8	0	21.00	21.21	21.26	22.4
3	QPSK	8	4	20.94	21.28	21.13	
3	QPSK	8	7	20.95	21.25	21.14	
3	QPSK	15	0	21.07	21.32	21.29	
3	16QAM	1	0	21.12	21.39	21.18	22.4
3	16QAM	1	8	20.92	21.23	21.27	
3	16QAM	1	14	20.99	21.37	21.23	
3	16QAM	8	0	21.04	21.18	21.18	22.4
3	16QAM	8	4	21.09	21.22	21.45	
3	16QAM	8	7	20.95	21.27	21.20	
3	16QAM	15	0	21.13	21.21	21.20	
3	64QAM	1	0	21.00	21.21	21.22	22.4
3	64QAM	1	8	21.02	21.10	21.28	
3	64QAM	1	14	21.02	21.19	21.17	
3	64QAM	8	0	20.91	21.25	21.46	22.4
3	64QAM	8	4	21.17	21.19	21.31	
3	64QAM	8	7	21.06	21.20	21.20	
3	64QAM	15	0	21.01	21.17	21.37	
3	256QAM	1	0	19.44	19.52	19.73	20.7
3	256QAM	1	8	19.26	19.48	19.63	
3	256QAM	1	14	19.35	19.56	19.38	
3	256QAM	8	0	19.03	19.37	19.27	20.7
3	256QAM	8	4	19.23	19.37	19.29	
3	256QAM	8	7	19.08	19.34	19.43	
3	256QAM	15	0	19.12	19.41	19.16	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.15	21.44	21.31	22.4
1.4	QPSK	1	3	20.95	21.31	21.34	
1.4	QPSK	1	5	21.01	21.38	21.23	
1.4	QPSK	3	0	21.14	21.35	21.15	
1.4	QPSK	3	1	20.96	21.24	21.26	
1.4	QPSK	3	3	20.94	21.20	21.32	
1.4	QPSK	6	0	20.98	21.32	21.26	22.4
1.4	16QAM	1	0	21.01	21.36	21.25	22.4
1.4	16QAM	1	3	20.97	21.17	21.40	
1.4	16QAM	1	5	20.85	21.30	21.30	
1.4	16QAM	3	0	20.92	21.19	21.13	
1.4	16QAM	3	1	21.16	21.27	21.31	
1.4	16QAM	3	3	20.89	21.35	21.26	
1.4	16QAM	6	0	21.01	21.33	21.27	22.4
1.4	64QAM	1	0	20.85	21.24	21.30	22.4
1.4	64QAM	1	3	21.18	21.16	21.31	
1.4	64QAM	1	5	21.04	21.19	21.34	
1.4	64QAM	3	0	20.91	21.21	21.37	
1.4	64QAM	3	1	21.06	21.22	21.31	
1.4	64QAM	3	3	21.07	21.27	21.25	
1.4	64QAM	6	0	20.96	21.26	21.30	22.4
1.4	256QAM	1	0	19.38	19.48	19.73	20.7
1.4	256QAM	1	3	19.26	19.64	19.56	
1.4	256QAM	1	5	19.25	19.56	19.39	
1.4	256QAM	3	0	19.12	19.30	19.39	
1.4	256QAM	3	1	19.17	19.41	19.20	
1.4	256QAM	3	3	19.02	19.53	19.33	
1.4	256QAM	6	0	19.17	19.36	19.28	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.52	19.43	19.33	20.7
20	QPSK	1	49	19.32	19.33	19.22	
20	QPSK	1	99	19.42	19.40	19.29	
20	QPSK	50	0	19.46	19.39	19.20	20.7
20	QPSK	50	24	19.33	19.32	19.19	
20	QPSK	50	50	19.34	19.32	19.19	
20	QPSK	100	0	19.43	19.36	19.20	
20	16QAM	1	0	19.51	19.24	19.17	20.7
20	16QAM	1	49	19.14	19.15	19.21	
20	16QAM	1	99	19.24	19.36	19.24	
20	16QAM	50	0	19.28	19.35	19.01	20.7
20	16QAM	50	24	19.31	19.18	19.13	
20	16QAM	50	50	19.28	19.20	19.07	
20	16QAM	100	0	19.41	19.35	19.10	
20	64QAM	1	0	19.47	19.24	19.27	20.7
20	64QAM	1	49	19.30	19.24	19.06	
20	64QAM	1	99	19.31	19.23	19.15	
20	64QAM	50	0	19.45	19.28	19.14	20.7
20	64QAM	50	24	19.29	19.26	19.19	
20	64QAM	50	50	19.22	19.24	19.07	
20	64QAM	100	0	19.33	19.19	19.11	
20	256QAM	1	0	19.18	19.15	19.09	20.7
20	256QAM	1	49	19.13	19.11	19.02	
20	256QAM	1	99	18.95	18.98	18.82	
20	256QAM	50	0	19.03	19.02	18.92	20.7
20	256QAM	50	24	18.89	18.94	18.81	
20	256QAM	50	50	18.84	18.89	18.81	
20	256QAM	100	0	18.92	18.92	18.76	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.41	19.24	19.33	20.7
15	QPSK	1	37	19.22	19.25	19.19	
15	QPSK	1	74	19.36	19.21	19.27	
15	QPSK	36	0	19.28	19.22	19.12	20.7
15	QPSK	36	20	19.28	19.12	19.04	
15	QPSK	36	39	19.15	19.23	19.11	
15	QPSK	75	0	19.23	19.33	19.00	
15	16QAM	1	0	19.31	19.07	19.03	20.7
15	16QAM	1	37	18.98	19.11	19.14	
15	16QAM	1	74	19.12	19.16	19.16	
15	16QAM	36	0	19.28	19.27	19.00	20.7
15	16QAM	36	20	19.30	18.98	19.08	
15	16QAM	36	39	19.14	19.16	18.95	
15	16QAM	75	0	19.24	19.24	18.96	
15	64QAM	1	0	19.28	19.14	19.07	20.7
15	64QAM	1	37	19.16	19.05	18.97	
15	64QAM	1	74	19.29	19.19	18.95	
15	64QAM	36	0	19.33	19.14	19.06	20.7
15	64QAM	36	20	19.29	19.17	19.14	
15	64QAM	36	39	19.05	19.15	18.94	
15	64QAM	75	0	19.19	19.13	19.03	
15	256QAM	1	0	19.16	19.00	19.08	20.7
15	256QAM	1	37	19.11	18.93	18.97	
15	256QAM	1	74	18.84	18.92	18.70	
15	256QAM	36	0	18.92	18.99	18.85	20.7
15	256QAM	36	20	18.84	18.81	18.73	
15	256QAM	36	39	18.87	18.73	18.75	

15	256QAM	75	0	18.78	18.82	18.78	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.46	19.29	19.33	20.7
10	QPSK	1	25	19.29	19.25	19.05	
10	QPSK	1	49	19.22	19.35	19.17	
10	QPSK	25	0	19.39	19.20	19.07	20.7
10	QPSK	25	12	19.29	19.12	19.01	
10	QPSK	25	25	19.21	19.12	19.06	
10	QPSK	50	0	19.36	19.28	19.01	
10	16QAM	1	0	19.47	19.15	19.06	20.7
10	16QAM	1	25	19.01	19.12	19.12	
10	16QAM	1	49	19.19	19.21	19.12	
10	16QAM	25	0	19.12	19.19	18.82	20.7
10	16QAM	25	12	19.20	19.04	19.12	
10	16QAM	25	25	19.15	19.15	19.02	
10	16QAM	50	0	19.30	19.26	18.91	
10	64QAM	1	0	19.31	19.24	19.11	20.7
10	64QAM	1	25	19.28	19.14	18.90	
10	64QAM	1	49	19.30	19.08	18.96	
10	64QAM	25	0	19.33	19.19	18.98	20.7
10	64QAM	25	12	19.14	19.22	19.04	
10	64QAM	25	25	19.22	19.21	18.95	
10	64QAM	50	0	19.32	19.17	18.92	
10	256QAM	1	0	18.99	19.10	18.92	20.7
10	256QAM	1	25	19.08	18.97	18.90	
10	256QAM	1	49	18.76	18.82	18.75	
10	256QAM	25	0	18.91	18.93	18.74	20.7
10	256QAM	25	12	18.75	18.90	18.78	
10	256QAM	25	25	18.81	18.73	18.70	
10	256QAM	50	0	18.73	18.78	18.81	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.36	19.23	19.19	20.7
5	QPSK	1	12	19.27	19.28	19.21	
5	QPSK	1	24	19.32	19.40	19.12	
5	QPSK	12	0	19.42	19.24	19.10	20.7
5	QPSK	12	7	19.13	19.17	19.01	
5	QPSK	12	13	19.14	19.20	19.10	
5	QPSK	25	0	19.38	19.23	19.19	
5	16QAM	1	0	19.38	19.09	19.09	20.7
5	16QAM	1	12	19.14	19.06	19.06	
5	16QAM	1	24	19.12	19.18	19.12	
5	16QAM	12	0	19.25	19.16	18.86	20.7
5	16QAM	12	7	19.24	19.12	19.06	
5	16QAM	12	13	19.10	19.20	19.06	
5	16QAM	25	0	19.28	19.17	19.08	
5	64QAM	1	0	19.46	19.19	19.12	20.7
5	64QAM	1	12	19.27	19.21	19.06	
5	64QAM	1	24	19.17	19.05	19.12	
5	64QAM	12	0	19.36	19.09	19.07	20.7
5	64QAM	12	7	19.24	19.25	19.02	
5	64QAM	12	13	19.09	19.07	19.05	
5	64QAM	25	0	19.16	19.03	19.07	
5	256QAM	1	0	19.13	19.08	18.98	20.7
5	256QAM	1	12	19.06	19.06	18.85	
5	256QAM	1	24	18.79	18.89	18.84	
5	256QAM	12	0	18.84	19.01	18.83	20.7
5	256QAM	12	7	18.76	18.91	18.78	
5	256QAM	12	13	18.80	18.70	18.74	
5	256QAM	25	0	18.80	18.74	18.88	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.41	19.25	19.33	20.7
3	QPSK	1	8	19.22	19.32	19.13	
3	QPSK	1	14	19.32	19.24	19.25	
3	QPSK	8	0	19.32	19.36	19.09	20.7
3	QPSK	8	4	19.17	19.17	19.12	
3	QPSK	8	7	19.33	19.29	19.09	
3	QPSK	15	0	19.25	19.22	19.12	
3	16QAM	1	0	19.33	19.20	19.01	20.7
3	16QAM	1	8	18.98	18.98	19.11	
3	16QAM	1	14	19.20	19.23	19.05	
3	16QAM	8	0	19.13	19.24	18.89	20.7
3	16QAM	8	4	19.13	19.09	18.94	
3	16QAM	8	7	19.10	19.15	18.90	
3	16QAM	15	0	19.31	19.28	19.08	
3	64QAM	1	0	19.36	19.24	19.23	20.7
3	64QAM	1	8	19.26	19.11	18.94	
3	64QAM	1	14	19.17	19.03	19.00	
3	64QAM	8	0	19.40	19.11	19.13	20.7
3	64QAM	8	4	19.21	19.08	19.19	
3	64QAM	8	7	19.16	19.09	19.00	
3	64QAM	15	0	19.30	19.02	18.95	
3	256QAM	1	0	19.09	19.15	19.01	20.7
3	256QAM	1	8	19.11	18.91	18.87	
3	256QAM	1	14	18.85	18.79	18.78	
3	256QAM	8	0	18.92	18.85	18.85	20.7
3	256QAM	8	4	18.78	18.92	18.85	
3	256QAM	8	7	18.74	18.75	18.73	
3	256QAM	15	0	18.83	18.90	18.82	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.39	19.38	19.19	20.7
1.4	QPSK	1	3	19.30	19.26	19.05	
1.4	QPSK	1	5	19.22	19.25	19.16	
1.4	QPSK	3	0	19.44	19.19	19.19	
1.4	QPSK	3	1	19.25	19.23	19.19	
1.4	QPSK	3	3	19.28	19.23	19.01	
1.4	QPSK	6	0	19.37	19.26	19.06	20.7
1.4	16QAM	1	0	19.31	19.14	19.08	20.7
1.4	16QAM	1	3	19.07	19.03	19.02	
1.4	16QAM	1	5	19.09	19.28	19.05	
1.4	16QAM	3	0	19.20	19.20	18.88	
1.4	16QAM	3	1	19.26	18.99	19.02	
1.4	16QAM	3	3	19.21	19.18	18.96	
1.4	16QAM	6	0	19.25	19.33	19.01	20.7
1.4	64QAM	1	0	19.43	19.18	19.23	20.7
1.4	64QAM	1	3	19.21	19.16	19.03	
1.4	64QAM	1	5	19.25	19.08	19.01	
1.4	64QAM	3	0	19.31	19.25	19.04	
1.4	64QAM	3	1	19.17	19.20	19.01	
1.4	64QAM	3	3	19.17	19.15	19.06	
1.4	64QAM	6	0	19.31	18.99	18.95	20.7
1.4	256QAM	1	0	19.09	18.97	19.00	20.7
1.4	256QAM	1	3	19.11	18.99	18.93	
1.4	256QAM	1	5	18.87	18.87	18.84	
1.4	256QAM	3	0	19.00	18.98	18.73	
1.4	256QAM	3	1	18.89	18.83	18.80	
1.4	256QAM	3	3	18.74	18.87	18.70	
1.4	256QAM	6	0	18.85	18.75	18.75	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.52	19.43	19.33	19.9
20	QPSK	1	49	19.32	19.33	19.22	
20	QPSK	1	99	19.42	19.40	19.29	
20	QPSK	50	0	19.46	19.39	19.20	19.9
20	QPSK	50	24	19.33	19.32	19.19	
20	QPSK	50	50	19.34	19.32	19.19	
20	QPSK	100	0	19.43	19.36	19.20	
20	16QAM	1	0	19.51	19.24	19.17	19.9
20	16QAM	1	49	19.14	19.15	19.21	
20	16QAM	1	99	19.24	19.36	19.24	
20	16QAM	50	0	19.28	19.35	19.01	19.9
20	16QAM	50	24	19.31	19.18	19.13	
20	16QAM	50	50	19.28	19.20	19.07	
20	16QAM	100	0	19.41	19.35	19.10	
20	64QAM	1	0	19.47	19.24	19.27	19.9
20	64QAM	1	49	19.30	19.24	19.06	
20	64QAM	1	99	19.31	19.23	19.15	
20	64QAM	50	0	19.45	19.28	19.14	19.9
20	64QAM	50	24	19.29	19.26	19.19	
20	64QAM	50	50	19.22	19.24	19.07	
20	64QAM	100	0	19.33	19.19	19.11	
20	256QAM	1	0	19.18	19.15	19.09	19.9
20	256QAM	1	49	19.13	19.11	19.02	
20	256QAM	1	99	18.95	18.98	18.82	
20	256QAM	50	0	19.03	19.02	18.92	19.9
20	256QAM	50	24	18.89	18.94	18.81	
20	256QAM	50	50	18.84	18.89	18.81	
20	256QAM	100	0	18.92	18.92	18.76	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.41	19.24	19.33	19.9
15	QPSK	1	37	19.22	19.25	19.19	
15	QPSK	1	74	19.36	19.21	19.27	
15	QPSK	36	0	19.28	19.22	19.12	19.9
15	QPSK	36	20	19.28	19.12	19.04	
15	QPSK	36	39	19.15	19.23	19.11	
15	QPSK	75	0	19.23	19.33	19.00	
15	16QAM	1	0	19.31	19.07	19.03	19.9
15	16QAM	1	37	18.98	19.11	19.14	
15	16QAM	1	74	19.12	19.16	19.16	
15	16QAM	36	0	19.28	19.27	19.00	19.9
15	16QAM	36	20	19.30	18.98	19.08	
15	16QAM	36	39	19.14	19.16	18.95	
15	16QAM	75	0	19.24	19.24	18.96	
15	64QAM	1	0	19.28	19.14	19.07	19.9
15	64QAM	1	37	19.16	19.05	18.97	
15	64QAM	1	74	19.29	19.19	18.95	
15	64QAM	36	0	19.33	19.14	19.06	19.9
15	64QAM	36	20	19.29	19.17	19.14	
15	64QAM	36	39	19.05	19.15	18.94	
15	64QAM	75	0	19.19	19.13	19.03	
15	256QAM	1	0	19.16	19.00	19.08	19.9
15	256QAM	1	37	19.11	18.93	18.97	
15	256QAM	1	74	18.84	18.92	18.70	
15	256QAM	36	0	18.92	18.99	18.85	19.9
15	256QAM	36	20	18.84	18.81	18.73	
15	256QAM	36	39	18.87	18.73	18.75	

15	256QAM	75	0	18.78	18.82	18.78	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.46	19.29	19.33	19.9
10	QPSK	1	25	19.29	19.25	19.05	
10	QPSK	1	49	19.22	19.35	19.17	
10	QPSK	25	0	19.39	19.20	19.07	19.9
10	QPSK	25	12	19.29	19.12	19.01	
10	QPSK	25	25	19.21	19.12	19.06	
10	QPSK	50	0	19.36	19.28	19.01	
10	16QAM	1	0	19.47	19.15	19.06	19.9
10	16QAM	1	25	19.01	19.12	19.12	
10	16QAM	1	49	19.19	19.21	19.12	
10	16QAM	25	0	19.12	19.19	18.82	19.9
10	16QAM	25	12	19.20	19.04	19.12	
10	16QAM	25	25	19.15	19.15	19.02	
10	16QAM	50	0	19.30	19.26	18.91	
10	64QAM	1	0	19.31	19.24	19.11	19.9
10	64QAM	1	25	19.28	19.14	18.90	
10	64QAM	1	49	19.30	19.08	18.96	
10	64QAM	25	0	19.33	19.19	18.98	19.9
10	64QAM	25	12	19.14	19.22	19.04	
10	64QAM	25	25	19.22	19.21	18.95	
10	64QAM	50	0	19.32	19.17	18.92	
10	256QAM	1	0	18.99	19.10	18.92	19.9
10	256QAM	1	25	19.08	18.97	18.90	
10	256QAM	1	49	18.76	18.82	18.75	
10	256QAM	25	0	18.91	18.93	18.74	19.9
10	256QAM	25	12	18.75	18.90	18.78	
10	256QAM	25	25	18.81	18.73	18.70	
10	256QAM	50	0	18.73	18.78	18.81	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	19.36	19.23	19.19	19.9
5	QPSK	1	12	19.27	19.28	19.21	
5	QPSK	1	24	19.32	19.40	19.12	
5	QPSK	12	0	19.42	19.24	19.10	19.9
5	QPSK	12	7	19.13	19.17	19.01	
5	QPSK	12	13	19.14	19.20	19.10	
5	QPSK	25	0	19.38	19.23	19.19	
5	16QAM	1	0	19.38	19.09	19.09	19.9
5	16QAM	1	12	19.14	19.06	19.06	
5	16QAM	1	24	19.12	19.18	19.12	
5	16QAM	12	0	19.25	19.16	18.86	19.9
5	16QAM	12	7	19.24	19.12	19.06	
5	16QAM	12	13	19.10	19.20	19.06	
5	16QAM	25	0	19.28	19.17	19.08	
5	64QAM	1	0	19.46	19.19	19.12	19.9
5	64QAM	1	12	19.27	19.21	19.06	
5	64QAM	1	24	19.17	19.05	19.12	
5	64QAM	12	0	19.36	19.09	19.07	19.9
5	64QAM	12	7	19.24	19.25	19.02	
5	64QAM	12	13	19.09	19.07	19.05	
5	64QAM	25	0	19.16	19.03	19.07	
5	256QAM	1	0	19.13	19.08	18.98	19.9
5	256QAM	1	12	19.06	19.06	18.85	
5	256QAM	1	24	18.79	18.89	18.84	
5	256QAM	12	0	18.84	19.01	18.83	19.9
5	256QAM	12	7	18.76	18.91	18.78	
5	256QAM	12	13	18.80	18.70	18.74	
5	256QAM	25	0	18.80	18.74	18.88	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.41	19.25	19.33	19.9
3	QPSK	1	8	19.22	19.32	19.13	
3	QPSK	1	14	19.32	19.24	19.25	
3	QPSK	8	0	19.32	19.36	19.09	19.9
3	QPSK	8	4	19.17	19.17	19.12	
3	QPSK	8	7	19.33	19.29	19.09	
3	QPSK	15	0	19.25	19.22	19.12	
3	16QAM	1	0	19.33	19.20	19.01	19.9
3	16QAM	1	8	18.98	18.98	19.11	
3	16QAM	1	14	19.20	19.23	19.05	
3	16QAM	8	0	19.13	19.24	18.89	19.9
3	16QAM	8	4	19.13	19.09	18.94	
3	16QAM	8	7	19.10	19.15	18.90	
3	16QAM	15	0	19.31	19.28	19.08	
3	64QAM	1	0	19.36	19.24	19.23	19.9
3	64QAM	1	8	19.26	19.11	18.94	
3	64QAM	1	14	19.17	19.03	19.00	
3	64QAM	8	0	19.40	19.11	19.13	19.9
3	64QAM	8	4	19.21	19.08	19.19	
3	64QAM	8	7	19.16	19.09	19.00	
3	64QAM	15	0	19.30	19.02	18.95	
3	256QAM	1	0	19.09	19.15	19.01	19.9
3	256QAM	1	8	19.11	18.91	18.87	
3	256QAM	1	14	18.85	18.79	18.78	
3	256QAM	8	0	18.92	18.85	18.85	19.9
3	256QAM	8	4	18.78	18.92	18.85	
3	256QAM	8	7	18.74	18.75	18.73	
3	256QAM	15	0	18.83	18.90	18.82	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.39	19.38	19.19	19.9
1.4	QPSK	1	3	19.30	19.26	19.05	
1.4	QPSK	1	5	19.22	19.25	19.16	
1.4	QPSK	3	0	19.44	19.19	19.19	
1.4	QPSK	3	1	19.25	19.23	19.19	
1.4	QPSK	3	3	19.28	19.23	19.01	
1.4	QPSK	6	0	19.37	19.26	19.06	19.9
1.4	16QAM	1	0	19.31	19.14	19.08	19.9
1.4	16QAM	1	3	19.07	19.03	19.02	
1.4	16QAM	1	5	19.09	19.28	19.05	
1.4	16QAM	3	0	19.20	19.20	18.88	
1.4	16QAM	3	1	19.26	18.99	19.02	
1.4	16QAM	3	3	19.21	19.18	18.96	
1.4	16QAM	6	0	19.25	19.33	19.01	19.9
1.4	64QAM	1	0	19.43	19.18	19.23	19.9
1.4	64QAM	1	3	19.21	19.16	19.03	
1.4	64QAM	1	5	19.25	19.08	19.01	
1.4	64QAM	3	0	19.31	19.25	19.04	
1.4	64QAM	3	1	19.17	19.20	19.01	
1.4	64QAM	3	3	19.17	19.15	19.06	
1.4	64QAM	6	0	19.31	18.99	18.95	19.9
1.4	256QAM	1	0	19.09	18.97	19.00	19.9
1.4	256QAM	1	3	19.11	18.99	18.93	
1.4	256QAM	1	5	18.87	18.87	18.84	
1.4	256QAM	3	0	19.00	18.98	18.73	
1.4	256QAM	3	1	18.89	18.83	18.80	
1.4	256QAM	3	3	18.74	18.87	18.70	
1.4	256QAM	6	0	18.85	18.75	18.75	19.9

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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	24.68	24.63	24.44	24.9
20	QPSK	1	49	24.62	24.58	24.39	
20	QPSK	1	99	24.43	24.46	24.17	
20	QPSK	50	0	23.70	23.65	23.38	24.7
20	QPSK	50	24	23.61	23.61	23.36	
20	QPSK	50	50	23.55	23.60	23.36	
20	QPSK	100	0	23.66	23.64	23.38	
20	16QAM	1	0	23.71	23.80	23.57	24.7
20	16QAM	1	49	23.71	23.76	23.54	
20	16QAM	1	99	23.72	23.74	23.49	
20	16QAM	50	0	22.69	22.71	22.43	23.7
20	16QAM	50	24	22.69	22.68	22.39	
20	16QAM	50	50	22.63	22.64	22.36	
20	16QAM	100	0	22.67	22.71	22.51	
20	64QAM	1	0	21.78	21.71	21.70	23.7
20	64QAM	1	49	22.72	22.77	22.54	
20	64QAM	1	99	22.69	22.71	22.47	
20	64QAM	50	0	21.69	21.73	21.52	22.7
20	64QAM	50	24	21.69	21.70	21.43	
20	64QAM	50	50	21.66	21.66	21.46	
20	64QAM	100	0	21.67	21.68	21.43	
20	256QAM	1	0	19.72	19.78	19.53	20.7
20	256QAM	1	49	19.75	19.78	19.59	
20	256QAM	1	99	19.76	19.74	19.50	
20	256QAM	50	0	19.61	19.65	19.40	20.7
20	256QAM	50	24	19.65	19.62	19.34	
20	256QAM	50	50	19.61	19.60	19.34	
20	256QAM	100	0	19.66	19.65	19.46	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.63	24.62	24.42	24.9
15	QPSK	1	37	24.57	24.51	24.30	
15	QPSK	1	74	24.34	24.36	24.07	
15	QPSK	36	0	23.62	23.60	23.32	24.7
15	QPSK	36	20	23.52	23.57	23.28	
15	QPSK	36	39	23.52	23.55	23.28	
15	QPSK	75	0	23.63	23.64	23.31	
15	16QAM	1	0	23.68	23.80	23.53	24.7
15	16QAM	1	37	23.65	23.72	23.47	
15	16QAM	1	74	23.68	23.70	23.39	
15	16QAM	36	0	22.59	22.70	22.41	23.7
15	16QAM	36	20	22.59	22.59	22.37	
15	16QAM	36	39	22.63	22.57	22.33	
15	16QAM	75	0	22.63	22.70	22.49	
15	64QAM	1	0	21.75	21.72	21.71	23.7
15	64QAM	1	37	22.62	22.73	22.46	
15	64QAM	1	74	22.61	22.63	22.39	
15	64QAM	36	0	21.64	21.71	21.46	22.7
15	64QAM	36	20	21.60	21.64	21.34	
15	64QAM	36	39	21.57	21.56	21.41	
15	64QAM	75	0	21.66	21.68	21.34	
15	256QAM	1	0	19.62	19.72	19.53	20.7
15	256QAM	1	37	19.73	19.72	19.51	
15	256QAM	1	74	19.73	19.72	19.40	
15	256QAM	36	0	19.60	19.56	19.34	20.7
15	256QAM	36	20	19.57	19.56	19.26	
15	256QAM	36	39	19.52	19.51	19.30	

15	256QAM	75	0	19.66	19.57	19.42	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.61	24.55	24.34	24.9
10	QPSK	1	25	24.55	24.48	24.38	
10	QPSK	1	49	24.38	24.43	24.09	
10	QPSK	25	0	23.64	23.60	23.29	24.7
10	QPSK	25	12	23.61	23.55	23.27	
10	QPSK	25	25	23.55	23.52	23.33	
10	QPSK	50	0	23.66	23.64	23.30	
10	16QAM	1	0	23.68	23.70	23.53	24.7
10	16QAM	1	25	23.61	23.67	23.47	
10	16QAM	1	49	23.69	23.67	23.47	
10	16QAM	25	0	22.62	22.63	22.42	23.7
10	16QAM	25	12	22.61	22.65	22.29	
10	16QAM	25	25	22.60	22.62	22.36	
10	16QAM	50	0	22.63	22.66	22.47	
10	64QAM	1	0	21.77	21.75	21.75	23.7
10	64QAM	1	25	22.62	22.75	22.50	
10	64QAM	1	49	22.66	22.71	22.46	
10	64QAM	25	0	21.68	21.72	21.42	22.7
10	64QAM	25	12	21.62	21.66	21.37	
10	64QAM	25	25	21.60	21.59	21.46	
10	64QAM	50	0	21.58	21.65	21.39	
10	256QAM	1	0	19.64	19.78	19.44	20.7
10	256QAM	1	25	19.65	19.78	19.55	
10	256QAM	1	49	19.72	19.72	19.48	
10	256QAM	25	0	19.55	19.62	19.32	20.7
10	256QAM	25	12	19.64	19.61	19.31	
10	256QAM	25	25	19.56	19.58	19.24	
10	256QAM	50	0	19.63	19.60	19.45	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.59	24.63	24.41	24.9
5	QPSK	1	12	24.57	24.54	24.33	
5	QPSK	1	24	24.37	24.36	24.13	
5	QPSK	12	0	23.62	23.56	23.30	24.7
5	QPSK	12	7	23.52	23.53	23.29	
5	QPSK	12	13	23.50	23.57	23.34	
5	QPSK	25	0	23.62	23.58	23.38	
5	16QAM	1	0	23.71	23.74	23.48	24.7
5	16QAM	1	12	23.70	23.71	23.45	
5	16QAM	1	24	23.69	23.69	23.48	
5	16QAM	12	0	22.68	22.71	22.43	23.7
5	16QAM	12	7	22.67	22.64	22.33	
5	16QAM	12	13	22.63	22.59	22.28	
5	16QAM	25	0	22.59	22.67	22.47	
5	64QAM	1	0	21.86	21.85	21.78	23.7
5	64QAM	1	12	22.70	22.77	22.47	
5	64QAM	1	24	22.64	22.67	22.42	
5	64QAM	12	0	21.62	21.67	21.52	22.7
5	64QAM	12	7	21.68	21.62	21.36	
5	64QAM	12	13	21.63	21.56	21.39	
5	64QAM	25	0	21.60	21.58	21.35	
5	256QAM	1	0	19.71	19.74	19.53	20.7
5	256QAM	1	12	19.73	19.69	19.49	
5	256QAM	1	24	19.70	19.65	19.41	
5	256QAM	12	0	19.57	19.55	19.35	20.7
5	256QAM	12	7	19.64	19.53	19.28	
5	256QAM	12	13	19.57	19.60	19.28	
5	256QAM	25	0	19.60	19.58	19.40	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	24.65	24.63	24.35	24.9
3	QPSK	1	8	24.60	24.49	24.29	
3	QPSK	1	14	24.33	24.43	24.13	
3	QPSK	8	0	23.70	23.62	23.34	24.7
3	QPSK	8	4	23.54	23.55	23.31	
3	QPSK	8	7	23.46	23.54	23.34	
3	QPSK	15	0	23.59	23.60	23.36	
3	16QAM	1	0	23.68	23.74	23.53	24.7
3	16QAM	1	8	23.65	23.73	23.51	
3	16QAM	1	14	23.71	23.64	23.42	
3	16QAM	8	0	22.67	22.66	22.39	23.7
3	16QAM	8	4	22.63	22.68	22.39	
3	16QAM	8	7	22.61	22.60	22.26	
3	16QAM	15	0	22.60	22.68	22.48	
3	64QAM	1	0	21.88	21.70	21.73	23.7
3	64QAM	1	8	22.62	22.68	22.45	
3	64QAM	1	14	22.63	22.65	22.46	
3	64QAM	8	0	21.63	21.63	21.51	22.7
3	64QAM	8	4	21.62	21.63	21.38	
3	64QAM	8	7	21.56	21.60	21.44	
3	64QAM	15	0	21.67	21.60	21.38	
3	256QAM	1	0	19.70	19.70	19.44	20.7
3	256QAM	1	8	19.73	19.77	19.50	
3	256QAM	1	14	19.76	19.68	19.47	
3	256QAM	8	0	19.53	19.55	19.40	20.7
3	256QAM	8	4	19.61	19.57	19.29	
3	256QAM	8	7	19.60	19.55	19.34	
3	256QAM	15	0	19.60	19.62	19.42	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.63	24.49	24.32	24.9
1.4	QPSK	1	3	24.58	24.45	24.23	
1.4	QPSK	1	5	24.39	24.41	24.15	
1.4	QPSK	3	0	24.64	24.54	24.35	
1.4	QPSK	3	1	24.53	24.49	24.26	
1.4	QPSK	3	3	24.31	24.42	24.11	
1.4	QPSK	6	0	23.70	23.61	23.37	24.7
1.4	16QAM	1	0	23.64	23.66	23.54	24.7
1.4	16QAM	1	3	23.60	23.69	23.39	
1.4	16QAM	1	5	23.65	23.60	23.47	
1.4	16QAM	3	0	23.58	23.72	23.47	
1.4	16QAM	3	1	23.58	23.65	23.45	
1.4	16QAM	3	3	23.63	23.58	23.42	
1.4	16QAM	6	0	22.52	22.54	22.25	23.7
1.4	64QAM	1	0	21.75	21.81	21.74	23.7
1.4	64QAM	1	3	22.61	22.63	22.42	
1.4	64QAM	1	5	22.59	22.59	22.42	
1.4	64QAM	3	0	21.80	21.78	21.81	
1.4	64QAM	3	1	22.61	22.68	22.46	
1.4	64QAM	3	3	22.54	22.55	22.37	
1.4	64QAM	6	0	21.52	21.64	21.38	22.7
1.4	256QAM	1	0	19.68	19.71	19.48	20.7
1.4	256QAM	1	3	19.57	19.63	19.48	
1.4	256QAM	1	5	19.57	19.63	19.46	
1.4	256QAM	3	0	19.69	19.66	19.47	
1.4	256QAM	3	1	19.65	19.69	19.52	
1.4	256QAM	3	3	19.67	19.61	19.37	
1.4	256QAM	6	0	19.54	19.56	19.34	20.7

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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	25.08	25.03	24.84	25.7
20	QPSK	1	49	25.02	24.98	24.79	
20	QPSK	1	99	24.83	24.86	24.57	
20	QPSK	50	0	24.10	24.05	23.78	24.7
20	QPSK	50	24	24.01	24.01	23.76	
20	QPSK	50	50	23.95	24.00	23.76	
20	QPSK	100	0	24.06	24.04	23.78	
20	16QAM	1	0	24.11	24.20	23.97	24.7
20	16QAM	1	49	24.11	24.16	23.94	
20	16QAM	1	99	24.12	24.14	23.89	
20	16QAM	50	0	23.09	23.11	22.83	23.7
20	16QAM	50	24	23.09	23.08	22.79	
20	16QAM	50	50	23.03	23.04	22.76	
20	16QAM	100	0	23.07	23.11	22.91	
20	64QAM	1	0	22.08	22.11	21.90	23.7
20	64QAM	1	49	23.12	23.17	22.94	
20	64QAM	1	99	23.09	23.11	22.87	
20	64QAM	50	0	22.09	22.13	21.92	22.7
20	64QAM	50	24	22.09	22.10	21.83	
20	64QAM	50	50	22.06	22.06	21.86	
20	64QAM	100	0	22.07	22.08	21.83	
20	256QAM	1	0	20.12	20.18	19.93	20.7
20	256QAM	1	49	20.15	20.18	19.99	
20	256QAM	1	99	20.16	20.14	19.90	
20	256QAM	50	0	20.01	20.05	19.80	20.7
20	256QAM	50	24	20.05	20.02	19.74	
20	256QAM	50	50	20.01	20.00	19.74	
20	256QAM	100	0	20.06	20.05	19.86	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	25.03	25.02	24.82	25.7
15	QPSK	1	37	24.97	24.91	24.70	
15	QPSK	1	74	24.74	24.76	24.47	
15	QPSK	36	0	24.02	24.00	23.72	24.7
15	QPSK	36	20	23.92	23.97	23.68	
15	QPSK	36	39	23.92	23.95	23.68	
15	QPSK	75	0	24.03	24.04	23.71	
15	16QAM	1	0	24.08	24.20	23.93	24.7
15	16QAM	1	37	24.05	24.12	23.87	
15	16QAM	1	74	24.08	24.10	23.79	
15	16QAM	36	0	22.99	23.10	22.81	23.7
15	16QAM	36	20	22.99	22.99	22.77	
15	16QAM	36	39	23.03	22.97	22.73	
15	16QAM	75	0	23.03	23.10	22.89	
15	64QAM	1	0	22.05	22.02	21.81	23.7
15	64QAM	1	37	23.02	23.13	22.86	
15	64QAM	1	74	23.01	23.03	22.79	
15	64QAM	36	0	22.04	22.11	21.86	22.7
15	64QAM	36	20	22.00	22.04	21.74	
15	64QAM	36	39	21.97	21.96	21.81	
15	64QAM	75	0	22.06	22.08	21.74	
15	256QAM	1	0	20.02	20.12	19.93	20.7
15	256QAM	1	37	20.13	20.12	19.91	
15	256QAM	1	74	20.13	20.12	19.80	
15	256QAM	36	0	20.00	19.96	19.74	20.7
15	256QAM	36	20	19.97	19.96	19.66	
15	256QAM	36	39	19.92	19.91	19.70	

15	256QAM	75	0	20.06	19.97	19.82	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	25.01	24.95	24.74	25.7
10	QPSK	1	25	24.95	24.88	24.78	
10	QPSK	1	49	24.78	24.83	24.49	
10	QPSK	25	0	24.04	24.00	23.69	24.7
10	QPSK	25	12	24.01	23.95	23.67	
10	QPSK	25	25	23.95	23.92	23.73	
10	QPSK	50	0	24.06	24.04	23.70	
10	16QAM	1	0	24.08	24.10	23.93	24.7
10	16QAM	1	25	24.01	24.07	23.87	
10	16QAM	1	49	24.09	24.07	23.87	
10	16QAM	25	0	23.02	23.03	22.82	23.7
10	16QAM	25	12	23.01	23.05	22.69	
10	16QAM	25	25	23.00	23.02	22.76	
10	16QAM	50	0	23.03	23.06	22.87	
10	64QAM	1	0	22.07	22.05	21.85	23.7
10	64QAM	1	25	23.02	23.15	22.90	
10	64QAM	1	49	23.06	23.11	22.86	
10	64QAM	25	0	22.08	22.12	21.82	22.7
10	64QAM	25	12	22.02	22.06	21.77	
10	64QAM	25	25	22.00	21.99	21.86	
10	64QAM	50	0	21.98	22.05	21.79	
10	256QAM	1	0	20.04	20.18	19.84	20.7
10	256QAM	1	25	20.05	20.18	19.95	
10	256QAM	1	49	20.12	20.12	19.88	
10	256QAM	25	0	19.95	20.02	19.72	20.7
10	256QAM	25	12	20.04	20.01	19.71	
10	256QAM	25	25	19.96	19.98	19.64	
10	256QAM	50	0	20.03	20.00	19.85	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.99	25.03	24.81	25.7
5	QPSK	1	12	24.97	24.94	24.73	
5	QPSK	1	24	24.77	24.76	24.53	
5	QPSK	12	0	24.02	23.96	23.70	24.7
5	QPSK	12	7	23.92	23.93	23.69	
5	QPSK	12	13	23.90	23.97	23.74	
5	QPSK	25	0	24.02	23.98	23.78	
5	16QAM	1	0	24.11	24.14	23.88	24.7
5	16QAM	1	12	24.10	24.11	23.85	
5	16QAM	1	24	24.09	24.09	23.88	
5	16QAM	12	0	23.08	23.11	22.83	23.7
5	16QAM	12	7	23.07	23.04	22.73	
5	16QAM	12	13	23.03	22.99	22.68	
5	16QAM	25	0	22.99	23.07	22.87	
5	64QAM	1	0	22.06	22.05	21.88	23.7
5	64QAM	1	12	23.10	23.17	22.87	
5	64QAM	1	24	23.04	23.07	22.82	
5	64QAM	12	0	22.02	22.07	21.92	22.7
5	64QAM	12	7	22.08	22.02	21.76	
5	64QAM	12	13	22.03	21.96	21.79	
5	64QAM	25	0	22.00	21.98	21.75	
5	256QAM	1	0	20.11	20.14	19.93	20.7
5	256QAM	1	12	20.13	20.09	19.89	
5	256QAM	1	24	20.10	20.05	19.81	
5	256QAM	12	0	19.97	19.95	19.75	20.7
5	256QAM	12	7	20.04	19.93	19.68	
5	256QAM	12	13	19.97	20.00	19.68	
5	256QAM	25	0	20.00	19.98	19.80	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	25.05	25.03	24.75	25.7
3	QPSK	1	8	25.00	24.89	24.69	
3	QPSK	1	14	24.73	24.83	24.53	
3	QPSK	8	0	24.10	24.02	23.74	24.7
3	QPSK	8	4	23.94	23.95	23.71	
3	QPSK	8	7	23.86	23.94	23.74	
3	QPSK	15	0	23.99	24.00	23.76	
3	16QAM	1	0	24.08	24.14	23.93	24.7
3	16QAM	1	8	24.05	24.13	23.91	
3	16QAM	1	14	24.11	24.04	23.82	
3	16QAM	8	0	23.07	23.06	22.79	23.7
3	16QAM	8	4	23.03	23.08	22.79	
3	16QAM	8	7	23.01	23.00	22.66	
3	16QAM	15	0	23.00	23.08	22.88	
3	64QAM	1	0	22.08	22.10	21.83	23.7
3	64QAM	1	8	23.02	23.08	22.85	
3	64QAM	1	14	23.03	23.05	22.86	
3	64QAM	8	0	22.03	22.03	21.91	22.7
3	64QAM	8	4	22.02	22.03	21.78	
3	64QAM	8	7	21.96	22.00	21.84	
3	64QAM	15	0	22.07	22.00	21.78	
3	256QAM	1	0	20.10	20.10	19.84	20.7
3	256QAM	1	8	20.13	20.17	19.90	
3	256QAM	1	14	20.16	20.08	19.87	
3	256QAM	8	0	19.93	19.95	19.80	20.7
3	256QAM	8	4	20.01	19.97	19.69	
3	256QAM	8	7	20.00	19.95	19.74	
3	256QAM	15	0	20.00	20.02	19.82	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	25.03	24.89	24.72	25.7
1.4	QPSK	1	3	24.98	24.85	24.63	
1.4	QPSK	1	5	24.79	24.81	24.55	
1.4	QPSK	3	0	25.04	24.94	24.75	
1.4	QPSK	3	1	24.93	24.89	24.66	
1.4	QPSK	3	3	24.71	24.82	24.51	
1.4	QPSK	6	0	24.10	24.01	23.77	24.7
1.4	16QAM	1	0	24.04	24.06	23.94	24.7
1.4	16QAM	1	3	24.00	24.09	23.79	
1.4	16QAM	1	5	24.05	24.00	23.87	
1.4	16QAM	3	0	23.98	24.12	23.87	
1.4	16QAM	3	1	23.98	24.05	23.85	
1.4	16QAM	3	3	24.03	23.98	23.82	
1.4	16QAM	6	0	22.92	22.94	22.65	23.7
1.4	64QAM	1	0	21.95	22.01	21.71	23.7
1.4	64QAM	1	3	23.01	23.03	22.82	
1.4	64QAM	1	5	22.99	22.99	22.82	
1.4	64QAM	3	0	21.90	21.98	21.71	
1.4	64QAM	3	1	23.01	23.08	22.86	
1.4	64QAM	3	3	22.94	22.95	22.77	
1.4	64QAM	6	0	21.92	22.04	21.78	22.7
1.4	256QAM	1	0	20.08	20.11	19.88	20.7
1.4	256QAM	1	3	19.97	20.03	19.88	
1.4	256QAM	1	5	19.97	20.03	19.86	
1.4	256QAM	3	0	20.09	20.06	19.87	
1.4	256QAM	3	1	20.05	20.09	19.92	
1.4	256QAM	3	3	20.07	20.01	19.77	
1.4	256QAM	6	0	19.94	19.96	19.74	20.7

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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	17.13	17.00	17.00	18.5
20	QPSK	1	49	16.88	16.82	16.73	
20	QPSK	1	99	16.89	16.85	16.84	
20	QPSK	50	0	16.90	16.84	16.86	18.5
20	QPSK	50	24	16.88	16.77	16.77	
20	QPSK	50	50	16.69	16.63	16.62	
20	QPSK	100	0	16.95	16.82	16.72	
20	16QAM	1	0	17.00	16.93	16.93	18.5
20	16QAM	1	49	16.96	16.90	16.82	
20	16QAM	1	99	16.81	16.78	16.75	
20	16QAM	50	0	17.01	16.89	16.80	18.5
20	16QAM	50	24	16.90	16.82	16.77	
20	16QAM	50	50	16.89	16.81	16.78	
20	16QAM	100	0	16.84	16.73	16.65	
20	64QAM	1	0	16.90	16.83	16.79	18.5
20	64QAM	1	49	16.96	16.88	16.83	
20	64QAM	1	99	17.09	17.00	17.00	
20	64QAM	50	0	16.92	16.83	16.76	18.5
20	64QAM	50	24	16.92	16.82	16.81	
20	64QAM	50	50	16.92	16.79	16.78	
20	64QAM	100	0	17.03	16.95	16.86	
20	256QAM	1	0	17.02	16.90	16.80	18.5
20	256QAM	1	49	16.92	16.82	16.82	
20	256QAM	1	99	16.92	16.83	16.82	
20	256QAM	50	0	16.77	16.72	16.63	18.5
20	256QAM	50	24	16.85	16.82	16.73	
20	256QAM	50	50	16.82	16.73	16.69	
20	256QAM	100	0	16.74	16.64	16.56	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.06	16.96	16.81	18.5
15	QPSK	1	37	16.72	16.76	16.73	
15	QPSK	1	74	16.70	16.84	16.80	
15	QPSK	36	0	16.75	16.69	16.57	18.5
15	QPSK	36	20	16.69	16.58	16.64	
15	QPSK	36	39	16.55	16.50	16.53	
15	QPSK	75	0	16.86	16.70	16.60	
15	16QAM	1	0	16.99	16.75	16.90	18.5
15	16QAM	1	37	16.90	16.74	16.76	
15	16QAM	1	74	16.62	16.69	16.68	
15	16QAM	36	0	16.88	16.84	16.76	18.5
15	16QAM	36	20	16.84	16.77	16.68	
15	16QAM	36	39	16.86	16.69	16.67	
15	16QAM	75	0	16.73	16.63	16.58	
15	64QAM	1	0	16.90	16.64	16.76	18.5
15	64QAM	1	37	16.87	16.84	16.72	
15	64QAM	1	74	17.09	16.87	16.86	
15	64QAM	36	0	16.83	16.70	16.75	18.5
15	64QAM	36	20	16.86	16.71	16.64	
15	64QAM	36	39	16.72	16.60	16.73	
15	64QAM	75	0	16.84	16.81	16.79	
15	256QAM	1	0	16.95	16.87	16.76	18.5
15	256QAM	1	37	16.78	16.74	16.71	
15	256QAM	1	74	16.86	16.67	16.72	
15	256QAM	36	0	16.67	16.54	16.56	18.5
15	256QAM	36	20	16.69	16.72	16.62	
15	256QAM	36	39	16.78	16.69	16.65	

15	256QAM	75	0	16.66	16.50	16.55	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.05	16.93	16.95	18.5
10	QPSK	1	25	16.87	16.79	16.59	
10	QPSK	1	49	16.78	16.65	16.66	
10	QPSK	25	0	16.65	16.54	16.59	18.5
10	QPSK	25	12	16.72	16.58	16.64	
10	QPSK	25	25	16.57	16.52	16.51	
10	QPSK	50	0	16.77	16.81	16.57	
10	16QAM	1	0	16.97	16.91	16.89	18.5
10	16QAM	1	25	16.83	16.74	16.80	
10	16QAM	1	49	16.65	16.63	16.62	
10	16QAM	25	0	16.97	16.75	16.70	18.5
10	16QAM	25	12	16.77	16.73	16.59	
10	16QAM	25	25	16.69	16.63	16.64	
10	16QAM	50	0	16.82	16.72	16.55	
10	64QAM	1	0	16.70	16.78	16.73	18.5
10	64QAM	1	25	16.78	16.77	16.70	
10	64QAM	1	49	16.89	16.89	16.91	
10	64QAM	25	0	16.84	16.74	16.76	18.5
10	64QAM	25	12	16.84	16.64	16.68	
10	64QAM	25	25	16.73	16.65	16.72	
10	64QAM	50	0	16.93	16.82	16.75	
10	256QAM	1	0	16.87	16.83	16.65	18.5
10	256QAM	1	25	16.82	16.72	16.71	
10	256QAM	1	49	16.84	16.82	16.62	
10	256QAM	25	0	16.62	16.55	16.62	18.5
10	256QAM	25	12	16.65	16.76	16.73	
10	256QAM	25	25	16.79	16.58	16.68	
10	256QAM	50	0	16.57	16.63	16.53	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.05	16.82	16.83	18.5
5	QPSK	1	12	16.73	16.65	16.68	
5	QPSK	1	24	16.87	16.83	16.79	
5	QPSK	12	0	16.60	16.72	16.53	18.5
5	QPSK	12	7	16.80	16.75	16.75	
5	QPSK	12	13	16.51	16.52	16.51	
5	QPSK	25	0	16.77	16.75	16.71	
5	16QAM	1	0	16.94	16.80	16.76	18.5
5	16QAM	1	12	16.78	16.72	16.67	
5	16QAM	1	24	16.72	16.69	16.73	
5	16QAM	12	0	16.81	16.89	16.78	18.5
5	16QAM	12	7	16.90	16.70	16.68	
5	16QAM	12	13	16.70	16.73	16.58	
5	16QAM	25	0	16.80	16.73	16.64	
5	64QAM	1	0	16.76	16.73	16.66	18.5
5	64QAM	1	12	16.77	16.68	16.63	
5	64QAM	1	24	16.94	16.86	16.87	
5	64QAM	12	0	16.74	16.77	16.70	18.5
5	64QAM	12	7	16.87	16.80	16.65	
5	64QAM	12	13	16.78	16.69	16.58	
5	64QAM	25	0	16.94	16.80	16.69	
5	256QAM	1	0	16.89	16.89	16.65	18.5
5	256QAM	1	12	16.80	16.64	16.75	
5	256QAM	1	24	16.88	16.78	16.76	
5	256QAM	12	0	16.74	16.70	16.56	18.5
5	256QAM	12	7	16.81	16.69	16.66	
5	256QAM	12	13	16.71	16.67	16.61	
5	256QAM	25	0	16.60	16.58	16.55	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.00	16.92	16.81	18.5
3	QPSK	1	8	16.81	16.77	16.73	
3	QPSK	1	14	16.70	16.65	16.69	
3	QPSK	8	0	16.75	16.62	16.66	18.5
3	QPSK	8	4	16.73	16.77	16.59	
3	QPSK	8	7	16.51	16.56	16.58	
3	QPSK	15	0	16.91	16.70	16.53	
3	16QAM	1	0	16.98	16.79	16.87	18.5
3	16QAM	1	8	16.81	16.85	16.65	
3	16QAM	1	14	16.63	16.71	16.57	
3	16QAM	8	0	16.82	16.82	16.77	18.5
3	16QAM	8	4	16.78	16.67	16.62	
3	16QAM	8	7	16.73	16.65	16.67	
3	16QAM	15	0	16.77	16.66	16.59	
3	64QAM	1	0	16.72	16.69	16.74	18.5
3	64QAM	1	8	16.96	16.68	16.71	
3	64QAM	1	14	16.94	16.89	16.85	
3	64QAM	8	0	16.84	16.81	16.59	18.5
3	64QAM	8	4	16.79	16.74	16.67	
3	64QAM	8	7	16.73	16.78	16.58	
3	64QAM	15	0	16.85	16.87	16.76	
3	256QAM	1	0	16.98	16.80	16.63	18.5
3	256QAM	1	8	16.80	16.71	16.76	
3	256QAM	1	14	16.76	16.70	16.64	
3	256QAM	8	0	16.62	16.66	16.57	18.5
3	256QAM	8	4	16.82	16.80	16.64	
3	256QAM	8	7	16.72	16.73	16.55	
3	256QAM	15	0	16.60	16.51	16.51	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.09	16.96	16.90	18.5
1.4	QPSK	1	3	16.86	16.67	16.54	
1.4	QPSK	1	5	16.81	16.68	16.74	
1.4	QPSK	3	0	16.63	16.59	16.59	
1.4	QPSK	3	1	16.68	16.67	16.58	
1.4	QPSK	3	3	16.51	16.53	16.57	
1.4	QPSK	6	0	16.89	16.75	16.56	18.5
1.4	16QAM	1	0	16.84	16.88	16.83	18.5
1.4	16QAM	1	3	16.91	16.77	16.69	
1.4	16QAM	1	5	16.65	16.71	16.60	
1.4	16QAM	3	0	16.93	16.89	16.74	
1.4	16QAM	3	1	16.80	16.68	16.57	
1.4	16QAM	3	3	16.79	16.65	16.60	
1.4	16QAM	6	0	16.72	16.71	16.51	18.5
1.4	64QAM	1	0	16.90	16.70	16.64	18.5
1.4	64QAM	1	3	16.88	16.70	16.81	
1.4	64QAM	1	5	17.07	16.97	16.90	
1.4	64QAM	3	0	16.76	16.81	16.67	
1.4	64QAM	3	1	16.72	16.78	16.68	
1.4	64QAM	3	3	16.90	16.74	16.60	
1.4	64QAM	6	0	17.00	16.88	16.78	18.5
1.4	256QAM	1	0	16.89	16.81	16.60	18.5
1.4	256QAM	1	3	16.72	16.63	16.74	
1.4	256QAM	1	5	16.92	16.63	16.62	
1.4	256QAM	3	0	16.61	16.52	16.52	
1.4	256QAM	3	1	16.67	16.63	16.60	
1.4	256QAM	3	3	16.67	16.72	16.60	
1.4	256QAM	6	0	16.67	16.62	16.53	18.5

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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	17.13	17.00	17.00	17.7
20	QPSK	1	49	16.88	16.82	16.73	
20	QPSK	1	99	16.89	16.85	16.84	
20	QPSK	50	0	16.90	16.84	16.86	17.7
20	QPSK	50	24	16.88	16.77	16.77	
20	QPSK	50	50	16.69	16.63	16.62	
20	QPSK	100	0	16.95	16.82	16.72	
20	16QAM	1	0	17.00	16.93	16.93	17.7
20	16QAM	1	49	16.96	16.90	16.82	
20	16QAM	1	99	16.81	16.78	16.75	
20	16QAM	50	0	17.01	16.89	16.80	17.7
20	16QAM	50	24	16.90	16.82	16.77	
20	16QAM	50	50	16.89	16.81	16.78	
20	16QAM	100	0	16.84	16.73	16.65	
20	64QAM	1	0	16.90	16.83	16.79	17.7
20	64QAM	1	49	16.96	16.88	16.83	
20	64QAM	1	99	17.09	17.00	17.00	
20	64QAM	50	0	16.92	16.83	16.76	17.7
20	64QAM	50	24	16.92	16.82	16.81	
20	64QAM	50	50	16.92	16.79	16.78	
20	64QAM	100	0	17.03	16.95	16.86	
20	256QAM	1	0	17.02	16.90	16.80	17.7
20	256QAM	1	49	16.92	16.82	16.82	
20	256QAM	1	99	16.92	16.83	16.82	
20	256QAM	50	0	16.77	16.72	16.63	17.7
20	256QAM	50	24	16.85	16.82	16.73	
20	256QAM	50	50	16.82	16.73	16.69	
20	256QAM	100	0	16.74	16.64	16.56	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	17.06	16.96	16.81	17.7
15	QPSK	1	37	16.72	16.76	16.73	
15	QPSK	1	74	16.70	16.84	16.80	
15	QPSK	36	0	16.75	16.69	16.57	17.7
15	QPSK	36	20	16.69	16.58	16.64	
15	QPSK	36	39	16.55	16.50	16.53	
15	QPSK	75	0	16.86	16.70	16.60	
15	16QAM	1	0	16.99	16.75	16.90	17.7
15	16QAM	1	37	16.90	16.74	16.76	
15	16QAM	1	74	16.62	16.69	16.68	
15	16QAM	36	0	16.88	16.84	16.76	17.7
15	16QAM	36	20	16.84	16.77	16.68	
15	16QAM	36	39	16.86	16.69	16.67	
15	16QAM	75	0	16.73	16.63	16.58	
15	64QAM	1	0	16.90	16.64	16.76	17.7
15	64QAM	1	37	16.87	16.84	16.72	
15	64QAM	1	74	17.09	16.87	16.86	
15	64QAM	36	0	16.83	16.70	16.75	17.7
15	64QAM	36	20	16.86	16.71	16.64	
15	64QAM	36	39	16.72	16.60	16.73	
15	64QAM	75	0	16.84	16.81	16.79	
15	256QAM	1	0	16.95	16.87	16.76	17.7
15	256QAM	1	37	16.78	16.74	16.71	
15	256QAM	1	74	16.86	16.67	16.72	
15	256QAM	36	0	16.67	16.54	16.56	17.7
15	256QAM	36	20	16.69	16.72	16.62	
15	256QAM	36	39	16.78	16.69	16.65	

15	256QAM	75	0	16.66	16.50	16.55	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.05	16.93	16.95	17.7
10	QPSK	1	25	16.87	16.79	16.59	
10	QPSK	1	49	16.78	16.65	16.66	
10	QPSK	25	0	16.65	16.54	16.59	17.7
10	QPSK	25	12	16.72	16.58	16.64	
10	QPSK	25	25	16.57	16.52	16.51	
10	QPSK	50	0	16.77	16.81	16.57	
10	16QAM	1	0	16.97	16.91	16.89	17.7
10	16QAM	1	25	16.83	16.74	16.80	
10	16QAM	1	49	16.65	16.63	16.62	
10	16QAM	25	0	16.97	16.75	16.70	17.7
10	16QAM	25	12	16.77	16.73	16.59	
10	16QAM	25	25	16.69	16.63	16.64	
10	16QAM	50	0	16.82	16.72	16.55	
10	64QAM	1	0	16.70	16.78	16.73	17.7
10	64QAM	1	25	16.78	16.77	16.70	
10	64QAM	1	49	16.89	16.89	16.91	
10	64QAM	25	0	16.84	16.74	16.76	17.7
10	64QAM	25	12	16.84	16.64	16.68	
10	64QAM	25	25	16.73	16.65	16.72	
10	64QAM	50	0	16.93	16.82	16.75	
10	256QAM	1	0	16.87	16.83	16.65	17.7
10	256QAM	1	25	16.82	16.72	16.71	
10	256QAM	1	49	16.84	16.82	16.62	
10	256QAM	25	0	16.62	16.55	16.62	17.7
10	256QAM	25	12	16.65	16.76	16.73	
10	256QAM	25	25	16.79	16.58	16.68	
10	256QAM	50	0	16.57	16.63	16.53	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.05	16.82	16.83	17.7
5	QPSK	1	12	16.73	16.65	16.68	
5	QPSK	1	24	16.87	16.83	16.79	
5	QPSK	12	0	16.60	16.72	16.53	17.7
5	QPSK	12	7	16.80	16.75	16.75	
5	QPSK	12	13	16.51	16.52	16.51	
5	QPSK	25	0	16.77	16.75	16.71	
5	16QAM	1	0	16.94	16.80	16.76	17.7
5	16QAM	1	12	16.78	16.72	16.67	
5	16QAM	1	24	16.72	16.69	16.73	
5	16QAM	12	0	16.81	16.89	16.78	17.7
5	16QAM	12	7	16.90	16.70	16.68	
5	16QAM	12	13	16.70	16.73	16.58	
5	16QAM	25	0	16.80	16.73	16.64	
5	64QAM	1	0	16.76	16.73	16.66	17.7
5	64QAM	1	12	16.77	16.68	16.63	
5	64QAM	1	24	16.94	16.86	16.87	
5	64QAM	12	0	16.74	16.77	16.70	17.7
5	64QAM	12	7	16.87	16.80	16.65	
5	64QAM	12	13	16.78	16.69	16.58	
5	64QAM	25	0	16.94	16.80	16.69	
5	256QAM	1	0	16.89	16.89	16.65	17.7
5	256QAM	1	12	16.80	16.64	16.75	
5	256QAM	1	24	16.88	16.78	16.76	
5	256QAM	12	0	16.74	16.70	16.56	17.7
5	256QAM	12	7	16.81	16.69	16.66	
5	256QAM	12	13	16.71	16.67	16.61	
5	256QAM	25	0	16.60	16.58	16.55	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.00	16.92	16.81	17.7
3	QPSK	1	8	16.81	16.77	16.73	
3	QPSK	1	14	16.70	16.65	16.69	
3	QPSK	8	0	16.75	16.62	16.66	17.7
3	QPSK	8	4	16.73	16.77	16.59	
3	QPSK	8	7	16.51	16.56	16.58	
3	QPSK	15	0	16.91	16.70	16.53	
3	16QAM	1	0	16.98	16.79	16.87	17.7
3	16QAM	1	8	16.81	16.85	16.65	
3	16QAM	1	14	16.63	16.71	16.57	
3	16QAM	8	0	16.82	16.82	16.77	17.7
3	16QAM	8	4	16.78	16.67	16.62	
3	16QAM	8	7	16.73	16.65	16.67	
3	16QAM	15	0	16.77	16.66	16.59	
3	64QAM	1	0	16.72	16.69	16.74	17.7
3	64QAM	1	8	16.96	16.68	16.71	
3	64QAM	1	14	16.94	16.89	16.85	
3	64QAM	8	0	16.84	16.81	16.59	17.7
3	64QAM	8	4	16.79	16.74	16.67	
3	64QAM	8	7	16.73	16.78	16.58	
3	64QAM	15	0	16.85	16.87	16.76	
3	256QAM	1	0	16.98	16.80	16.63	17.7
3	256QAM	1	8	16.80	16.71	16.76	
3	256QAM	1	14	16.76	16.70	16.64	
3	256QAM	8	0	16.62	16.66	16.57	17.7
3	256QAM	8	4	16.82	16.80	16.64	
3	256QAM	8	7	16.72	16.73	16.55	
3	256QAM	15	0	16.60	16.51	16.51	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.09	16.96	16.90	17.7
1.4	QPSK	1	3	16.86	16.67	16.54	
1.4	QPSK	1	5	16.81	16.68	16.74	
1.4	QPSK	3	0	16.63	16.59	16.59	
1.4	QPSK	3	1	16.68	16.67	16.58	
1.4	QPSK	3	3	16.51	16.53	16.57	
1.4	QPSK	6	0	16.89	16.75	16.56	17.7
1.4	16QAM	1	0	16.84	16.88	16.83	17.7
1.4	16QAM	1	3	16.91	16.77	16.69	
1.4	16QAM	1	5	16.65	16.71	16.60	
1.4	16QAM	3	0	16.93	16.89	16.74	
1.4	16QAM	3	1	16.80	16.68	16.57	
1.4	16QAM	3	3	16.79	16.65	16.60	
1.4	16QAM	6	0	16.72	16.71	16.51	17.7
1.4	64QAM	1	0	16.90	16.70	16.64	17.7
1.4	64QAM	1	3	16.88	16.70	16.81	
1.4	64QAM	1	5	17.07	16.97	16.90	
1.4	64QAM	3	0	16.76	16.81	16.67	
1.4	64QAM	3	1	16.72	16.78	16.68	
1.4	64QAM	3	3	16.90	16.74	16.60	
1.4	64QAM	6	0	17.00	16.88	16.78	17.7
1.4	256QAM	1	0	16.89	16.81	16.60	17.7
1.4	256QAM	1	3	16.72	16.63	16.74	
1.4	256QAM	1	5	16.92	16.63	16.62	
1.4	256QAM	3	0	16.61	16.52	16.52	
1.4	256QAM	3	1	16.67	16.63	16.60	
1.4	256QAM	3	3	16.67	16.72	16.60	
1.4	256QAM	6	0	16.67	16.62	16.53	17.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.60	21.52	21.47	22.4
20	QPSK	1	49	21.38	21.35	21.30	
20	QPSK	1	99	21.32	21.30	21.25	
20	QPSK	50	0	21.40	21.42	21.31	22.4
20	QPSK	50	24	21.32	21.25	21.20	
20	QPSK	50	50	21.39	21.39	21.29	
20	QPSK	100	0	21.29	21.22	21.28	
20	16QAM	1	0	21.49	21.51	21.36	22.4
20	16QAM	1	49	21.42	21.38	21.25	
20	16QAM	1	99	21.53	21.45	21.33	
20	16QAM	50	0	21.41	21.35	21.24	22.4
20	16QAM	50	24	21.35	21.33	21.28	
20	16QAM	50	50	21.28	21.23	21.29	
20	16QAM	100	0	21.41	21.33	21.39	
20	64QAM	1	0	21.56	21.55	21.50	22.4
20	64QAM	1	49	21.44	21.42	21.33	
20	64QAM	1	99	21.43	21.43	21.37	
20	64QAM	50	0	21.39	21.33	21.27	22.4
20	64QAM	50	24	21.33	21.33	21.23	
20	64QAM	50	50	21.39	21.31	21.17	
20	64QAM	100	0	21.42	21.35	21.23	
20	256QAM	1	0	20.48	20.48	20.36	20.7
20	256QAM	1	49	20.36	20.30	20.21	
20	256QAM	1	99	20.36	20.33	20.24	
20	256QAM	50	0	20.40	20.34	20.26	20.7
20	256QAM	50	24	20.31	20.30	20.19	
20	256QAM	50	50	20.20	20.22	20.08	
20	256QAM	100	0	20.40	20.33	20.21	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.41	21.35	21.28	22.4
15	QPSK	1	37	21.31	21.21	21.21	
15	QPSK	1	74	21.28	21.28	21.25	
15	QPSK	36	0	21.26	21.20	21.39	22.4
15	QPSK	36	20	21.37	21.33	21.33	
15	QPSK	36	39	21.25	21.29	21.29	
15	QPSK	75	0	21.31	21.36	21.23	
15	16QAM	1	0	21.37	21.48	21.32	22.4
15	16QAM	1	37	21.42	21.37	21.25	
15	16QAM	1	74	21.35	21.42	21.36	
15	16QAM	36	0	21.36	21.25	21.29	22.4
15	16QAM	36	20	21.32	21.34	21.39	
15	16QAM	36	39	21.38	21.27	21.20	
15	16QAM	75	0	21.38	21.30	21.30	
15	64QAM	1	0	21.43	21.49	21.40	22.4
15	64QAM	1	37	21.37	21.26	21.24	
15	64QAM	1	74	21.30	21.35	21.22	
15	64QAM	36	0	21.24	21.19	21.11	22.4
15	64QAM	36	20	21.33	21.24	21.15	
15	64QAM	36	39	21.22	21.30	21.00	
15	64QAM	75	0	21.26	21.25	21.03	
15	256QAM	1	0	20.39	20.48	20.25	20.7
15	256QAM	1	37	20.29	20.14	20.17	
15	256QAM	1	74	20.20	20.20	20.15	
15	256QAM	36	0	20.37	20.15	20.13	20.7
15	256QAM	36	20	20.18	20.30	20.06	
15	256QAM	36	39	20.16	20.15	20.06	

15	256QAM	75	0	20.21	20.13	20.04	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.57	21.39	21.41	22.4
10	QPSK	1	25	21.37	21.22	21.31	
10	QPSK	1	49	21.32	21.20	21.32	
10	QPSK	25	0	21.30	21.32	21.37	22.4
10	QPSK	25	12	21.30	21.23	21.30	
10	QPSK	25	25	21.36	21.29	21.27	
10	QPSK	50	0	21.39	21.24	21.27	
10	16QAM	1	0	21.41	21.31	21.39	22.4
10	16QAM	1	25	21.34	21.31	21.31	
10	16QAM	1	49	21.53	21.32	21.31	
10	16QAM	25	0	21.22	21.35	21.38	22.4
10	16QAM	25	12	21.20	21.30	21.30	
10	16QAM	25	25	21.20	21.21	21.20	
10	16QAM	50	0	21.25	21.27	21.30	
10	64QAM	1	0	21.51	21.53	21.39	22.4
10	64QAM	1	25	21.37	21.36	21.24	
10	64QAM	1	49	21.37	21.35	21.25	
10	64QAM	25	0	21.31	21.31	21.07	22.4
10	64QAM	25	12	21.29	21.23	21.11	
10	64QAM	25	25	21.27	21.21	21.09	
10	64QAM	50	0	21.25	21.22	21.17	
10	256QAM	1	0	20.41	20.39	20.36	20.7
10	256QAM	1	25	20.33	20.25	20.05	
10	256QAM	1	49	20.31	20.14	20.08	
10	256QAM	25	0	20.20	20.30	20.13	20.7
10	256QAM	25	12	20.15	20.23	20.01	
10	256QAM	25	25	20.11	20.08	19.97	
10	256QAM	50	0	20.21	20.29	20.06	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.43	21.36	21.37	22.4
5	QPSK	1	12	21.33	21.33	21.35	
5	QPSK	1	24	21.31	21.24	21.37	
5	QPSK	12	0	21.32	21.39	21.36	22.4
5	QPSK	12	7	21.32	21.29	21.32	
5	QPSK	12	13	21.26	21.35	21.20	
5	QPSK	25	0	21.34	21.37	21.24	
5	16QAM	1	0	21.48	21.49	21.27	22.4
5	16QAM	1	12	21.24	21.37	21.25	
5	16QAM	1	24	21.48	21.35	21.22	
5	16QAM	12	0	21.22	21.29	21.20	22.4
5	16QAM	12	7	21.38	21.30	21.28	
5	16QAM	12	13	21.29	21.26	21.25	
5	16QAM	25	0	21.25	21.35	21.23	
5	64QAM	1	0	21.54	21.49	21.34	22.4
5	64QAM	1	12	21.31	21.36	21.38	
5	64QAM	1	24	21.27	21.30	21.23	
5	64QAM	12	0	21.25	21.32	21.16	22.4
5	64QAM	12	7	21.14	21.29	21.23	
5	64QAM	12	13	21.34	21.23	21.06	
5	64QAM	25	0	21.42	21.27	21.09	
5	256QAM	1	0	20.29	20.34	20.28	20.7
5	256QAM	1	12	20.21	20.11	20.18	
5	256QAM	1	24	20.30	20.23	20.07	
5	256QAM	12	0	20.40	20.33	20.09	20.7
5	256QAM	12	7	20.16	20.22	20.12	
5	256QAM	12	13	20.16	20.11	20.06	
5	256QAM	25	0	20.27	20.27	20.14	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.49	21.36	21.38	22.4
3	QPSK	1	8	21.31	21.36	21.20	
3	QPSK	1	14	21.24	21.24	21.25	
3	QPSK	8	0	21.24	21.38	21.37	22.4
3	QPSK	8	4	21.30	21.20	21.31	
3	QPSK	8	7	21.21	21.24	21.29	
3	QPSK	15	0	21.25	21.23	21.22	
3	16QAM	1	0	21.45	21.39	21.34	22.4
3	16QAM	1	8	21.41	21.29	21.39	
3	16QAM	1	14	21.44	21.44	21.27	
3	16QAM	8	0	21.37	21.37	21.23	22.4
3	16QAM	8	4	21.26	21.37	21.22	
3	16QAM	8	7	21.30	21.35	21.23	
3	16QAM	15	0	21.32	21.27	21.24	
3	64QAM	1	0	21.44	21.53	21.48	22.4
3	64QAM	1	8	21.27	21.36	21.34	
3	64QAM	1	14	21.42	21.41	21.36	
3	64QAM	8	0	21.39	21.21	21.08	22.4
3	64QAM	8	4	21.20	21.23	21.21	
3	64QAM	8	7	21.31	21.25	21.15	
3	64QAM	15	0	21.29	21.32	21.14	
3	256QAM	1	0	20.38	20.45	20.16	20.7
3	256QAM	1	8	20.32	20.30	20.04	
3	256QAM	1	14	20.19	20.32	20.21	
3	256QAM	8	0	20.27	20.23	20.20	20.7
3	256QAM	8	4	20.29	20.23	20.19	
3	256QAM	8	7	20.18	20.18	19.91	
3	256QAM	15	0	20.38	20.21	20.20	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.51	21.50	21.40	22.4
1.4	QPSK	1	3	21.26	21.39	21.24	
1.4	QPSK	1	5	21.38	21.39	21.22	
1.4	QPSK	3	0	21.27	21.36	21.25	
1.4	QPSK	3	1	21.34	21.33	21.23	
1.4	QPSK	3	3	21.35	21.25	21.27	
1.4	QPSK	6	0	21.37	21.25	21.23	22.4
1.4	16QAM	1	0	21.48	21.32	21.36	22.4
1.4	16QAM	1	3	21.35	21.22	21.36	
1.4	16QAM	1	5	21.53	21.44	21.27	
1.4	16QAM	3	0	21.33	21.35	21.24	
1.4	16QAM	3	1	21.29	21.33	21.27	
1.4	16QAM	3	3	21.29	21.32	21.27	
1.4	16QAM	6	0	21.31	21.28	21.32	22.4
1.4	64QAM	1	0	21.48	21.38	21.40	22.4
1.4	64QAM	1	3	21.43	21.26	21.28	
1.4	64QAM	1	5	21.38	21.42	21.39	
1.4	64QAM	3	0	21.20	21.26	21.21	
1.4	64QAM	3	1	21.32	21.31	21.20	
1.4	64QAM	3	3	21.24	21.27	21.28	
1.4	64QAM	6	0	21.34	21.16	21.11	22.4
1.4	256QAM	1	0	20.48	20.44	20.24	20.7
1.4	256QAM	1	3	20.23	20.28	20.19	
1.4	256QAM	1	5	20.20	20.27	20.04	
1.4	256QAM	3	0	20.36	20.33	20.14	
1.4	256QAM	3	1	20.29	20.28	20.15	
1.4	256QAM	3	3	20.13	20.17	19.93	
1.4	256QAM	6	0	20.23	20.27	20.04	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.60	21.52	21.47	23.2
20	QPSK	1	49	21.38	21.35	21.30	
20	QPSK	1	99	21.32	21.30	21.25	
20	QPSK	50	0	21.40	21.35	21.31	23.2
20	QPSK	50	24	21.32	21.25	21.20	
20	QPSK	50	50	21.39	21.39	21.29	
20	QPSK	100	0	21.29	21.22	21.28	
20	16QAM	1	0	21.49	21.51	21.36	23.2
20	16QAM	1	49	21.42	21.38	21.25	
20	16QAM	1	99	21.53	21.45	21.33	
20	16QAM	50	0	21.41	21.35	21.24	23.2
20	16QAM	50	24	21.35	21.33	21.28	
20	16QAM	50	50	21.28	21.23	21.29	
20	16QAM	100	0	21.41	21.33	21.39	
20	64QAM	1	0	21.56	21.55	21.50	23.2
20	64QAM	1	49	21.44	21.42	21.33	
20	64QAM	1	99	21.43	21.43	21.37	
20	64QAM	50	0	21.39	21.33	21.27	22.7
20	64QAM	50	24	21.33	21.33	21.23	
20	64QAM	50	50	21.39	21.31	21.17	
20	64QAM	100	0	21.42	21.35	21.23	
20	256QAM	1	0	20.48	20.48	20.36	20.7
20	256QAM	1	49	20.36	20.30	20.21	
20	256QAM	1	99	20.36	20.33	20.24	
20	256QAM	50	0	20.40	20.34	20.26	20.7
20	256QAM	50	24	20.31	20.30	20.19	
20	256QAM	50	50	20.20	20.22	20.08	
20	256QAM	100	0	20.40	20.33	20.21	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.41	21.35	21.28	23.2
15	QPSK	1	37	21.31	21.21	21.21	
15	QPSK	1	74	21.28	21.28	21.25	
15	QPSK	36	0	21.26	21.20	21.39	23.2
15	QPSK	36	20	21.37	21.33	21.33	
15	QPSK	36	39	21.25	21.29	21.29	
15	QPSK	75	0	21.31	21.36	21.23	
15	16QAM	1	0	21.37	21.48	21.32	23.2
15	16QAM	1	37	21.42	21.37	21.25	
15	16QAM	1	74	21.35	21.42	21.36	
15	16QAM	36	0	21.36	21.25	21.29	23.2
15	16QAM	36	20	21.32	21.34	21.39	
15	16QAM	36	39	21.38	21.27	21.20	
15	16QAM	75	0	21.38	21.30	21.30	
15	64QAM	1	0	21.43	21.49	21.40	23.2
15	64QAM	1	37	21.37	21.26	21.24	
15	64QAM	1	74	21.30	21.35	21.22	
15	64QAM	36	0	21.24	21.19	21.11	22.7
15	64QAM	36	20	21.33	21.24	21.15	
15	64QAM	36	39	21.22	21.30	21.00	
15	64QAM	75	0	21.26	21.25	21.03	
15	256QAM	1	0	20.39	20.48	20.25	20.7
15	256QAM	1	37	20.29	20.14	20.17	
15	256QAM	1	74	20.20	20.20	20.15	
15	256QAM	36	0	20.37	20.15	20.13	20.7
15	256QAM	36	20	20.18	20.30	20.06	
15	256QAM	36	39	20.16	20.15	20.06	

15	256QAM	75	0	20.21	20.13	20.04	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.57	21.39	21.41	23.2
10	QPSK	1	25	21.37	21.22	21.31	
10	QPSK	1	49	21.32	21.20	21.32	
10	QPSK	25	0	21.30	21.32	21.37	23.2
10	QPSK	25	12	21.30	21.23	21.30	
10	QPSK	25	25	21.36	21.29	21.27	
10	QPSK	50	0	21.39	21.24	21.27	
10	16QAM	1	0	21.41	21.31	21.39	23.2
10	16QAM	1	25	21.34	21.31	21.31	
10	16QAM	1	49	21.53	21.32	21.31	
10	16QAM	25	0	21.22	21.35	21.38	23.2
10	16QAM	25	12	21.20	21.30	21.30	
10	16QAM	25	25	21.20	21.21	21.20	
10	16QAM	50	0	21.25	21.27	21.30	
10	64QAM	1	0	21.51	21.53	21.39	23.2
10	64QAM	1	25	21.37	21.36	21.24	
10	64QAM	1	49	21.37	21.35	21.25	
10	64QAM	25	0	21.31	21.31	21.07	22.7
10	64QAM	25	12	21.29	21.23	21.11	
10	64QAM	25	25	21.27	21.21	21.09	
10	64QAM	50	0	21.25	21.22	21.17	
10	256QAM	1	0	20.41	20.39	20.36	20.7
10	256QAM	1	25	20.33	20.25	20.05	
10	256QAM	1	49	20.31	20.14	20.08	
10	256QAM	25	0	20.20	20.30	20.13	20.7
10	256QAM	25	12	20.15	20.23	20.01	
10	256QAM	25	25	20.11	20.08	19.97	
10	256QAM	50	0	20.21	20.29	20.06	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.43	21.36	21.37	23.2
5	QPSK	1	12	21.33	21.33	21.35	
5	QPSK	1	24	21.31	21.24	21.37	
5	QPSK	12	0	21.32	21.39	21.36	23.2
5	QPSK	12	7	21.32	21.29	21.32	
5	QPSK	12	13	21.26	21.35	21.20	
5	QPSK	25	0	21.34	21.37	21.24	
5	16QAM	1	0	21.48	21.49	21.27	23.2
5	16QAM	1	12	21.24	21.37	21.25	
5	16QAM	1	24	21.48	21.35	21.22	
5	16QAM	12	0	21.22	21.29	21.20	23.2
5	16QAM	12	7	21.38	21.30	21.28	
5	16QAM	12	13	21.29	21.26	21.25	
5	16QAM	25	0	21.25	21.35	21.23	
5	64QAM	1	0	21.54	21.49	21.34	23.2
5	64QAM	1	12	21.31	21.36	21.38	
5	64QAM	1	24	21.27	21.30	21.23	
5	64QAM	12	0	21.25	21.32	21.16	22.7
5	64QAM	12	7	21.14	21.29	21.23	
5	64QAM	12	13	21.34	21.23	21.06	
5	64QAM	25	0	21.42	21.27	21.09	
5	256QAM	1	0	20.29	20.34	20.28	20.7
5	256QAM	1	12	20.21	20.11	20.18	
5	256QAM	1	24	20.30	20.23	20.07	
5	256QAM	12	0	20.40	20.33	20.09	20.7
5	256QAM	12	7	20.16	20.22	20.12	
5	256QAM	12	13	20.16	20.11	20.06	
5	256QAM	25	0	20.27	20.27	20.14	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	21.49	21.36	21.38	23.2
3	QPSK	1	8	21.31	21.36	21.20	
3	QPSK	1	14	21.24	21.24	21.25	
3	QPSK	8	0	21.24	21.38	21.37	23.2
3	QPSK	8	4	21.30	21.20	21.31	
3	QPSK	8	7	21.21	21.24	21.29	
3	QPSK	15	0	21.25	21.23	21.22	
3	16QAM	1	0	21.45	21.39	21.34	23.2
3	16QAM	1	8	21.41	21.29	21.39	
3	16QAM	1	14	21.44	21.44	21.27	
3	16QAM	8	0	21.37	21.37	21.23	23.2
3	16QAM	8	4	21.26	21.37	21.22	
3	16QAM	8	7	21.30	21.35	21.23	
3	16QAM	15	0	21.32	21.27	21.24	
3	64QAM	1	0	21.44	21.53	21.48	23.2
3	64QAM	1	8	21.27	21.36	21.34	
3	64QAM	1	14	21.42	21.41	21.36	
3	64QAM	8	0	21.39	21.21	21.08	22.7
3	64QAM	8	4	21.20	21.23	21.21	
3	64QAM	8	7	21.31	21.25	21.15	
3	64QAM	15	0	21.29	21.32	21.14	
3	256QAM	1	0	20.38	20.45	20.16	20.7
3	256QAM	1	8	20.32	20.30	20.04	
3	256QAM	1	14	20.19	20.32	20.21	
3	256QAM	8	0	20.27	20.23	20.20	20.7
3	256QAM	8	4	20.29	20.23	20.19	
3	256QAM	8	7	20.18	20.18	19.91	
3	256QAM	15	0	20.38	20.21	20.20	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.51	21.50	21.40	23.2
1.4	QPSK	1	3	21.26	21.39	21.24	
1.4	QPSK	1	5	21.38	21.39	21.22	
1.4	QPSK	3	0	21.27	21.36	21.25	
1.4	QPSK	3	1	21.34	21.33	21.23	
1.4	QPSK	3	3	21.35	21.25	21.27	
1.4	QPSK	6	0	21.37	21.25	21.23	23.2
1.4	16QAM	1	0	21.48	21.32	21.36	23.2
1.4	16QAM	1	3	21.35	21.22	21.36	
1.4	16QAM	1	5	21.53	21.44	21.27	
1.4	16QAM	3	0	21.33	21.35	21.24	
1.4	16QAM	3	1	21.29	21.33	21.27	
1.4	16QAM	3	3	21.29	21.32	21.27	
1.4	16QAM	6	0	21.31	21.28	21.32	23.2
1.4	64QAM	1	0	21.48	21.38	21.40	23.2
1.4	64QAM	1	3	21.43	21.26	21.28	
1.4	64QAM	1	5	21.38	21.42	21.39	
1.4	64QAM	3	0	21.20	21.26	21.21	
1.4	64QAM	3	1	21.32	21.31	21.20	
1.4	64QAM	3	3	21.24	21.27	21.28	
1.4	64QAM	6	0	21.34	21.16	21.11	22.7
1.4	256QAM	1	0	20.48	20.44	20.24	20.7
1.4	256QAM	1	3	20.23	20.28	20.19	
1.4	256QAM	1	5	20.20	20.27	20.04	
1.4	256QAM	3	0	20.36	20.33	20.14	
1.4	256QAM	3	1	20.29	20.28	20.15	
1.4	256QAM	3	3	20.13	20.17	19.93	
1.4	256QAM	6	0	20.23	20.27	20.04	20.7

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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	25.12	24.91	24.74	25.7
20	QPSK	1	49	24.93	24.79	24.56	
20	QPSK	1	99	24.90	24.69	24.51	
20	QPSK	50	0	24.17	23.97	23.73	24.7
20	QPSK	50	24	24.07	23.88	23.64	
20	QPSK	50	50	24.00	23.89	23.65	
20	QPSK	100	0	24.04	23.87	23.60	
20	16QAM	1	0	24.11	24.20	23.94	24.7
20	16QAM	1	49	24.04	24.13	23.94	
20	16QAM	1	99	24.20	24.08	23.82	
20	16QAM	50	0	23.13	22.97	22.80	23.7
20	16QAM	50	24	23.07	22.91	22.66	
20	16QAM	50	50	23.02	22.91	22.64	
20	16QAM	100	0	23.04	22.92	22.75	
20	64QAM	1	0	23.05	23.06	22.85	23.7
20	64QAM	1	49	23.15	22.96	22.69	
20	64QAM	1	99	23.02	22.88	22.64	
20	64QAM	50	0	22.12	21.98	21.73	22.7
20	64QAM	50	24	22.11	21.93	21.76	
20	64QAM	50	50	22.06	21.89	21.66	
20	64QAM	100	0	22.05	21.93	21.73	
20	256QAM	1	0	20.11	20.20	20.00	20.7
20	256QAM	1	49	20.02	20.10	19.86	
20	256QAM	1	99	20.20	19.99	19.74	
20	256QAM	50	0	20.09	19.94	19.72	20.7
20	256QAM	50	24	20.05	19.90	19.73	
20	256QAM	50	50	20.02	19.87	19.70	
20	256QAM	100	0	20.04	19.88	19.61	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	25.08	24.84	24.72	25.7
15	QPSK	1	37	24.92	24.75	24.49	
15	QPSK	1	74	24.90	24.66	24.49	
15	QPSK	36	0	24.16	23.92	23.64	24.7
15	QPSK	36	20	24.06	23.81	23.54	
15	QPSK	36	39	23.98	23.82	23.57	
15	QPSK	75	0	23.94	23.84	23.52	
15	16QAM	1	0	24.10	24.11	23.94	24.7
15	16QAM	1	37	24.03	24.03	23.87	
15	16QAM	1	74	24.15	24.03	23.82	
15	16QAM	36	0	23.07	22.92	22.73	23.7
15	16QAM	36	20	23.04	22.88	22.62	
15	16QAM	36	39	23.01	22.82	22.57	
15	16QAM	75	0	22.97	22.92	22.70	
15	64QAM	1	0	22.95	23.04	22.83	23.7
15	64QAM	1	37	23.12	22.91	22.62	
15	64QAM	1	74	22.98	22.80	22.56	
15	64QAM	36	0	22.02	21.95	21.68	22.7
15	64QAM	36	20	22.06	21.90	21.69	
15	64QAM	36	39	22.01	21.85	21.59	
15	64QAM	75	0	22.02	21.89	21.63	
15	256QAM	1	0	20.03	20.16	19.96	20.7
15	256QAM	1	37	19.99	20.04	19.79	
15	256QAM	1	74	20.18	19.92	19.65	
15	256QAM	36	0	19.99	19.92	19.68	20.7
15	256QAM	36	20	19.96	19.85	19.64	
15	256QAM	36	39	20.02	19.78	19.64	

15	256QAM	75	0	20.03	19.87	19.53	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	25.08	24.84	24.67	25.7
10	QPSK	1	25	24.85	24.76	24.46	
10	QPSK	1	49	24.88	24.64	24.49	
10	QPSK	25	0	24.14	23.97	23.64	24.7
10	QPSK	25	12	24.02	23.87	23.57	
10	QPSK	25	25	23.91	23.81	23.59	
10	QPSK	50	0	23.96	23.84	23.51	
10	16QAM	1	0	24.04	24.16	23.93	24.7
10	16QAM	1	25	23.99	24.11	23.90	
10	16QAM	1	49	24.16	24.05	23.74	
10	16QAM	25	0	23.06	22.93	22.80	23.7
10	16QAM	25	12	22.97	22.82	22.64	
10	16QAM	25	25	23.02	22.81	22.59	
10	16QAM	50	0	22.97	22.89	22.65	
10	64QAM	1	0	23.04	22.99	22.80	23.7
10	64QAM	1	25	23.05	22.92	22.59	
10	64QAM	1	49	22.94	22.85	22.61	
10	64QAM	25	0	22.11	21.95	21.63	22.7
10	64QAM	25	12	22.08	21.91	21.69	
10	64QAM	25	25	21.97	21.87	21.64	
10	64QAM	50	0	21.98	21.83	21.68	
10	256QAM	1	0	20.11	20.11	19.93	20.7
10	256QAM	1	25	19.93	20.08	19.86	
10	256QAM	1	49	20.10	19.92	19.72	
10	256QAM	25	0	20.07	19.84	19.64	20.7
10	256QAM	25	12	19.95	19.87	19.66	
10	256QAM	25	25	19.95	19.86	19.61	
10	256QAM	50	0	19.94	19.80	19.55	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	25.10	24.87	24.68	25.7
5	QPSK	1	12	24.85	24.76	24.46	
5	QPSK	1	24	24.80	24.69	24.48	
5	QPSK	12	0	24.07	23.87	23.73	24.7
5	QPSK	12	7	23.99	23.86	23.54	
5	QPSK	12	13	23.99	23.89	23.64	
5	QPSK	25	0	24.01	23.85	23.57	
5	16QAM	1	0	24.04	24.14	23.84	24.7
5	16QAM	1	12	23.96	24.08	23.89	
5	16QAM	1	24	24.20	24.04	23.75	
5	16QAM	12	0	23.07	22.88	22.78	23.7
5	16QAM	12	7	23.02	22.81	22.59	
5	16QAM	12	13	22.93	22.86	22.57	
5	16QAM	25	0	22.95	22.91	22.66	
5	64QAM	1	0	22.96	23.04	22.84	23.7
5	64QAM	1	12	23.14	22.95	22.68	
5	64QAM	1	24	22.95	22.87	22.59	
5	64QAM	12	0	22.09	21.94	21.66	22.7
5	64QAM	12	7	22.03	21.89	21.73	
5	64QAM	12	13	21.96	21.83	21.64	
5	64QAM	25	0	21.99	21.92	21.64	
5	256QAM	1	0	20.07	20.10	19.98	20.7
5	256QAM	1	12	19.96	20.08	19.78	
5	256QAM	1	24	20.20	19.89	19.71	
5	256QAM	12	0	20.06	19.86	19.62	20.7
5	256QAM	12	7	19.99	19.82	19.73	
5	256QAM	12	13	20.02	19.85	19.62	
5	256QAM	25	0	20.00	19.87	19.56	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	25.03	24.91	24.72	25.7
3	QPSK	1	8	24.87	24.71	24.52	
3	QPSK	1	14	24.87	24.62	24.45	
3	QPSK	8	0	24.08	23.95	23.65	24.7
3	QPSK	8	4	24.00	23.78	23.60	
3	QPSK	8	7	23.98	23.81	23.63	
3	QPSK	15	0	24.03	23.87	23.58	
3	16QAM	1	0	24.04	24.10	23.92	24.7
3	16QAM	1	8	24.01	24.12	23.88	
3	16QAM	1	14	24.17	24.00	23.82	
3	16QAM	8	0	23.03	22.92	22.74	23.7
3	16QAM	8	4	23.02	22.85	22.62	
3	16QAM	8	7	22.96	22.83	22.57	
3	16QAM	15	0	23.03	22.85	22.75	
3	64QAM	1	0	22.99	23.03	22.77	23.7
3	64QAM	1	8	23.11	22.87	22.69	
3	64QAM	1	14	22.99	22.78	22.59	
3	64QAM	8	0	22.07	21.90	21.69	22.7
3	64QAM	8	4	22.06	21.85	21.74	
3	64QAM	8	7	22.05	21.83	21.58	
3	64QAM	15	0	22.04	21.86	21.66	
3	256QAM	1	0	20.06	20.18	19.95	20.7
3	256QAM	1	8	19.98	20.04	19.83	
3	256QAM	1	14	20.18	19.98	19.68	
3	256QAM	8	0	19.99	19.94	19.70	20.7
3	256QAM	8	4	20.01	19.84	19.63	
3	256QAM	8	7	19.96	19.78	19.64	
3	256QAM	15	0	20.04	19.78	19.57	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.98	24.90	24.62	25.7
1.4	QPSK	1	3	24.77	24.65	24.42	
1.4	QPSK	1	5	24.80	24.62	24.45	
1.4	QPSK	3	0	25.03	24.84	24.72	
1.4	QPSK	3	1	24.83	24.67	24.48	
1.4	QPSK	3	3	24.86	24.52	24.45	
1.4	QPSK	6	0	23.99	23.95	23.65	24.7
1.4	16QAM	1	0	23.99	24.10	23.91	24.7
1.4	16QAM	1	3	23.98	24.05	23.84	
1.4	16QAM	1	5	24.17	23.96	23.82	
1.4	16QAM	3	0	24.03	24.07	23.83	
1.4	16QAM	3	1	23.96	24.02	23.85	
1.4	16QAM	3	3	24.10	23.99	23.74	
1.4	16QAM	6	0	22.95	22.87	22.74	23.7
1.4	64QAM	1	0	22.97	23.00	22.71	23.7
1.4	64QAM	1	3	23.04	22.77	22.63	
1.4	64QAM	1	5	22.95	22.73	22.55	
1.4	64QAM	3	0	22.99	23.02	22.75	
1.4	64QAM	3	1	23.01	22.81	22.67	
1.4	64QAM	3	3	22.94	22.78	22.53	
1.4	64QAM	6	0	21.97	21.90	21.62	22.7
1.4	256QAM	1	0	20.01	20.16	19.92	20.7
1.4	256QAM	1	3	19.91	19.94	19.77	
1.4	256QAM	1	5	20.14	19.98	19.62	
1.4	256QAM	3	0	19.98	20.16	19.87	
1.4	256QAM	3	1	19.88	20.02	19.76	
1.4	256QAM	3	3	20.17	19.90	19.59	
1.4	256QAM	6	0	19.90	19.94	19.67	20.7

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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	25.12	24.91	24.74	25.7
20	QPSK	1	49	24.93	24.79	24.56	
20	QPSK	1	99	24.90	24.69	24.51	
20	QPSK	50	0	24.17	23.97	23.73	24.7
20	QPSK	50	24	24.07	23.88	23.64	
20	QPSK	50	50	24.00	23.89	23.65	
20	QPSK	100	0	24.04	23.87	23.60	
20	16QAM	1	0	24.11	24.20	23.94	24.7
20	16QAM	1	49	24.04	24.13	23.94	
20	16QAM	1	99	24.20	24.08	23.82	
20	16QAM	50	0	23.13	22.97	22.80	23.7
20	16QAM	50	24	23.07	22.91	22.66	
20	16QAM	50	50	23.02	22.91	22.64	
20	16QAM	100	0	23.04	22.92	22.75	
20	64QAM	1	0	23.05	23.06	22.85	23.7
20	64QAM	1	49	23.15	22.96	22.69	
20	64QAM	1	99	23.02	22.88	22.64	
20	64QAM	50	0	22.12	21.98	21.73	22.7
20	64QAM	50	24	22.11	21.93	21.76	
20	64QAM	50	50	22.06	21.89	21.66	
20	64QAM	100	0	22.05	21.93	21.73	
20	256QAM	1	0	20.11	20.20	20.00	20.7
20	256QAM	1	49	20.02	20.10	19.86	
20	256QAM	1	99	20.20	19.99	19.74	
20	256QAM	50	0	20.09	19.94	19.72	20.7
20	256QAM	50	24	20.05	19.90	19.73	
20	256QAM	50	50	20.02	19.87	19.70	
20	256QAM	100	0	20.04	19.88	19.61	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	25.08	24.84	24.72	25.7
15	QPSK	1	37	24.92	24.75	24.49	
15	QPSK	1	74	24.90	24.66	24.49	
15	QPSK	36	0	24.16	23.92	23.64	24.7
15	QPSK	36	20	24.06	23.81	23.54	
15	QPSK	36	39	23.98	23.82	23.57	
15	QPSK	75	0	23.94	23.84	23.52	
15	16QAM	1	0	24.10	24.11	23.94	24.7
15	16QAM	1	37	24.03	24.03	23.87	
15	16QAM	1	74	24.15	24.03	23.82	
15	16QAM	36	0	23.07	22.92	22.73	23.7
15	16QAM	36	20	23.04	22.88	22.62	
15	16QAM	36	39	23.01	22.82	22.57	
15	16QAM	75	0	22.97	22.92	22.70	
15	64QAM	1	0	22.95	23.04	22.83	23.7
15	64QAM	1	37	23.12	22.91	22.62	
15	64QAM	1	74	22.98	22.80	22.56	
15	64QAM	36	0	22.02	21.95	21.68	22.7
15	64QAM	36	20	22.06	21.90	21.69	
15	64QAM	36	39	22.01	21.85	21.59	
15	64QAM	75	0	22.02	21.89	21.63	
15	256QAM	1	0	20.03	20.16	19.96	20.7
15	256QAM	1	37	19.99	20.04	19.79	
15	256QAM	1	74	20.18	19.92	19.65	
15	256QAM	36	0	19.99	19.92	19.68	20.7
15	256QAM	36	20	19.96	19.85	19.64	
15	256QAM	36	39	20.02	19.78	19.64	

15	256QAM	75	0	20.03	19.87	19.53	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	25.08	24.84	24.67	25.7
10	QPSK	1	25	24.85	24.76	24.46	
10	QPSK	1	49	24.88	24.64	24.49	
10	QPSK	25	0	24.14	23.97	23.64	24.7
10	QPSK	25	12	24.02	23.87	23.57	
10	QPSK	25	25	23.91	23.81	23.59	
10	QPSK	50	0	23.96	23.84	23.51	
10	16QAM	1	0	24.04	24.16	23.93	24.7
10	16QAM	1	25	23.99	24.11	23.90	
10	16QAM	1	49	24.16	24.05	23.74	
10	16QAM	25	0	23.06	22.93	22.80	23.7
10	16QAM	25	12	22.97	22.82	22.64	
10	16QAM	25	25	23.02	22.81	22.59	
10	16QAM	50	0	22.97	22.89	22.65	
10	64QAM	1	0	23.04	22.99	22.80	23.7
10	64QAM	1	25	23.05	22.92	22.59	
10	64QAM	1	49	22.94	22.85	22.61	
10	64QAM	25	0	22.11	21.95	21.63	22.7
10	64QAM	25	12	22.08	21.91	21.69	
10	64QAM	25	25	21.97	21.87	21.64	
10	64QAM	50	0	21.98	21.83	21.68	
10	256QAM	1	0	20.11	20.11	19.93	20.7
10	256QAM	1	25	19.93	20.08	19.86	
10	256QAM	1	49	20.10	19.92	19.72	
10	256QAM	25	0	20.07	19.84	19.64	20.7
10	256QAM	25	12	19.95	19.87	19.66	
10	256QAM	25	25	19.95	19.86	19.61	
10	256QAM	50	0	19.94	19.80	19.55	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	25.10	24.87	24.68	25.7
5	QPSK	1	12	24.85	24.76	24.46	
5	QPSK	1	24	24.80	24.69	24.48	
5	QPSK	12	0	24.07	23.87	23.73	24.7
5	QPSK	12	7	23.99	23.86	23.54	
5	QPSK	12	13	23.99	23.89	23.64	
5	QPSK	25	0	24.01	23.85	23.57	
5	16QAM	1	0	24.04	24.14	23.84	24.7
5	16QAM	1	12	23.96	24.08	23.89	
5	16QAM	1	24	24.20	24.04	23.75	
5	16QAM	12	0	23.07	22.88	22.78	23.7
5	16QAM	12	7	23.02	22.81	22.59	
5	16QAM	12	13	22.93	22.86	22.57	
5	16QAM	25	0	22.95	22.91	22.66	
5	64QAM	1	0	22.96	23.04	22.84	23.7
5	64QAM	1	12	23.14	22.95	22.68	
5	64QAM	1	24	22.95	22.87	22.59	
5	64QAM	12	0	22.09	21.94	21.66	22.7
5	64QAM	12	7	22.03	21.89	21.73	
5	64QAM	12	13	21.96	21.83	21.64	
5	64QAM	25	0	21.99	21.92	21.64	
5	256QAM	1	0	20.07	20.10	19.98	20.7
5	256QAM	1	12	19.96	20.08	19.78	
5	256QAM	1	24	20.20	19.89	19.71	
5	256QAM	12	0	20.06	19.86	19.62	20.7
5	256QAM	12	7	19.99	19.82	19.73	
5	256QAM	12	13	20.02	19.85	19.62	
5	256QAM	25	0	20.00	19.87	19.56	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	25.03	24.91	24.72	25.7
3	QPSK	1	8	24.87	24.71	24.52	
3	QPSK	1	14	24.87	24.62	24.45	
3	QPSK	8	0	24.08	23.95	23.65	24.7
3	QPSK	8	4	24.00	23.78	23.60	
3	QPSK	8	7	23.98	23.81	23.63	
3	QPSK	15	0	24.03	23.87	23.58	
3	16QAM	1	0	24.04	24.10	23.92	24.7
3	16QAM	1	8	24.01	24.12	23.88	
3	16QAM	1	14	24.17	24.00	23.82	
3	16QAM	8	0	23.03	22.92	22.74	23.7
3	16QAM	8	4	23.02	22.85	22.62	
3	16QAM	8	7	22.96	22.83	22.57	
3	16QAM	15	0	23.03	22.85	22.75	
3	64QAM	1	0	22.99	23.03	22.77	23.7
3	64QAM	1	8	23.11	22.87	22.69	
3	64QAM	1	14	22.99	22.78	22.59	
3	64QAM	8	0	22.07	21.90	21.69	22.7
3	64QAM	8	4	22.06	21.85	21.74	
3	64QAM	8	7	22.05	21.83	21.58	
3	64QAM	15	0	22.04	21.86	21.66	
3	256QAM	1	0	20.06	20.18	19.95	20.7
3	256QAM	1	8	19.98	20.04	19.83	
3	256QAM	1	14	20.18	19.98	19.68	
3	256QAM	8	0	19.99	19.94	19.70	20.7
3	256QAM	8	4	20.01	19.84	19.63	
3	256QAM	8	7	19.96	19.78	19.64	
3	256QAM	15	0	20.04	19.78	19.57	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.98	24.90	24.62	25.7
1.4	QPSK	1	3	24.77	24.65	24.42	
1.4	QPSK	1	5	24.80	24.62	24.45	
1.4	QPSK	3	0	25.03	24.84	24.72	
1.4	QPSK	3	1	24.83	24.67	24.48	
1.4	QPSK	3	3	24.86	24.52	24.45	
1.4	QPSK	6	0	23.99	23.95	23.65	24.7
1.4	16QAM	1	0	23.99	24.10	23.91	24.7
1.4	16QAM	1	3	23.98	24.05	23.84	
1.4	16QAM	1	5	24.17	23.96	23.82	
1.4	16QAM	3	0	24.03	24.07	23.83	
1.4	16QAM	3	1	23.96	24.02	23.85	
1.4	16QAM	3	3	24.10	23.99	23.74	
1.4	16QAM	6	0	22.95	22.87	22.74	23.7
1.4	64QAM	1	0	22.97	23.00	22.71	23.7
1.4	64QAM	1	3	23.04	22.77	22.63	
1.4	64QAM	1	5	22.95	22.73	22.55	
1.4	64QAM	3	0	22.99	23.02	22.75	
1.4	64QAM	3	1	23.01	22.81	22.67	
1.4	64QAM	3	3	22.94	22.78	22.53	
1.4	64QAM	6	0	21.97	21.90	21.62	22.7
1.4	256QAM	1	0	20.01	20.16	19.92	20.7
1.4	256QAM	1	3	19.91	19.94	19.77	
1.4	256QAM	1	5	20.14	19.98	19.62	
1.4	256QAM	3	0	19.98	20.16	19.87	
1.4	256QAM	3	1	19.88	20.02	19.76	
1.4	256QAM	3	3	20.17	19.90	19.59	
1.4	256QAM	6	0	19.90	19.94	19.67	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.05	20.85	20.74	21.2
20	QPSK	1	49	20.83	20.75	20.49	
20	QPSK	1	99	20.85	20.67	20.42	
20	QPSK	50	0	21.03	20.87	20.69	21.2
20	QPSK	50	24	21.02	20.79	20.56	
20	QPSK	50	50	20.93	20.85	20.61	
20	QPSK	100	0	21.02	20.78	20.53	
20	16QAM	1	0	21.01	21.00	20.88	21.2
20	16QAM	1	49	21.01	21.03	20.84	
20	16QAM	1	99	21.03	20.97	20.82	
20	16QAM	50	0	21.03	20.97	20.78	21.2
20	16QAM	50	24	21.00	20.81	20.66	
20	16QAM	50	50	20.95	20.91	20.57	
20	16QAM	100	0	21.00	20.83	20.68	
20	64QAM	1	0	20.99	21.04	20.85	21.2
20	64QAM	1	49	21.04	20.86	20.64	
20	64QAM	1	99	21.02	20.87	20.60	
20	64QAM	50	0	21.02	20.88	20.73	21.2
20	64QAM	50	24	21.01	20.83	20.66	
20	64QAM	50	50	21.03	20.82	20.65	
20	64QAM	100	0	21.02	20.90	20.66	
20	256QAM	1	0	20.05	20.06	19.91	20.7
20	256QAM	1	49	19.85	19.90	19.74	
20	256QAM	1	99	20.07	19.91	19.74	
20	256QAM	50	0	20.08	19.83	19.63	20.7
20	256QAM	50	24	19.97	19.70	19.70	
20	256QAM	50	50	19.97	19.72	19.61	
20	256QAM	100	0	19.87	19.81	19.44	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.93	20.81	20.70	21.2
15	QPSK	1	37	20.75	20.62	20.34	
15	QPSK	1	74	20.84	20.62	20.26	
15	QPSK	36	0	20.84	20.87	20.63	21.2
15	QPSK	36	20	20.94	20.79	20.49	
15	QPSK	36	39	20.77	20.77	20.52	
15	QPSK	75	0	20.94	20.63	20.43	
15	16QAM	1	0	20.91	20.90	20.85	21.2
15	16QAM	1	37	20.91	20.96	20.80	
15	16QAM	1	74	20.88	20.95	20.63	
15	16QAM	36	0	20.96	20.83	20.69	21.2
15	16QAM	36	20	20.90	20.79	20.66	
15	16QAM	36	39	20.76	20.77	20.43	
15	16QAM	75	0	20.83	20.63	20.63	
15	64QAM	1	0	20.87	20.92	20.79	21.2
15	64QAM	1	37	20.97	20.86	20.60	
15	64QAM	1	74	20.91	20.67	20.54	
15	64QAM	36	0	20.88	20.79	20.62	21.2
15	64QAM	36	20	20.81	20.73	20.49	
15	64QAM	36	39	20.91	20.76	20.45	
15	64QAM	75	0	20.91	20.70	20.52	
15	256QAM	1	0	19.89	19.89	19.78	20.7
15	256QAM	1	37	19.85	19.87	19.73	
15	256QAM	1	74	19.89	19.81	19.71	
15	256QAM	36	0	19.94	19.71	19.57	20.7
15	256QAM	36	20	19.88	19.67	19.54	
15	256QAM	36	39	19.96	19.61	19.53	

15	256QAM	75	0	19.72	19.61	19.42	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.85	20.68	20.58	21.2
10	QPSK	1	25	20.65	20.67	20.29	
10	QPSK	1	49	20.67	20.56	20.22	
10	QPSK	25	0	20.83	20.77	20.60	21.2
10	QPSK	25	12	20.93	20.73	20.51	
10	QPSK	25	25	20.88	20.82	20.51	
10	QPSK	50	0	20.88	20.71	20.39	
10	16QAM	1	0	20.83	20.80	20.68	21.2
10	16QAM	1	25	20.96	20.98	20.78	
10	16QAM	1	49	20.90	20.82	20.82	
10	16QAM	25	0	21.01	20.79	20.63	21.2
10	16QAM	25	12	20.84	20.81	20.64	
10	16QAM	25	25	20.80	20.81	20.50	
10	16QAM	50	0	21.00	20.70	20.66	
10	64QAM	1	0	20.97	20.99	20.68	21.2
10	64QAM	1	25	20.96	20.73	20.45	
10	64QAM	1	49	20.97	20.86	20.41	
10	64QAM	25	0	20.99	20.87	20.62	21.2
10	64QAM	25	12	20.82	20.79	20.48	
10	64QAM	25	25	20.96	20.81	20.47	
10	64QAM	50	0	21.01	20.74	20.53	
10	256QAM	1	0	19.87	19.96	19.79	20.7
10	256QAM	1	25	19.73	19.87	19.54	
10	256QAM	1	49	19.98	19.76	19.62	
10	256QAM	25	0	19.93	19.75	19.56	20.7
10	256QAM	25	12	19.93	19.50	19.64	
10	256QAM	25	25	19.86	19.71	19.44	
10	256QAM	50	0	19.71	19.68	19.26	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.00	20.84	20.72	21.2
5	QPSK	1	12	20.77	20.67	20.40	
5	QPSK	1	24	20.77	20.63	20.35	
5	QPSK	12	0	20.83	20.72	20.67	21.2
5	QPSK	12	7	20.83	20.60	20.43	
5	QPSK	12	13	20.92	20.71	20.43	
5	QPSK	25	0	20.87	20.74	20.39	
5	16QAM	1	0	20.97	20.94	20.68	21.2
5	16QAM	1	12	20.89	20.90	20.64	
5	16QAM	1	24	20.96	20.95	20.72	
5	16QAM	12	0	20.96	20.95	20.78	21.2
5	16QAM	12	7	20.89	20.70	20.53	
5	16QAM	12	13	20.88	20.77	20.57	
5	16QAM	25	0	21.00	20.82	20.67	
5	64QAM	1	0	20.83	21.02	20.76	21.2
5	64QAM	1	12	21.02	20.66	20.57	
5	64QAM	1	24	21.01	20.81	20.59	
5	64QAM	12	0	20.82	20.68	20.69	21.2
5	64QAM	12	7	20.87	20.75	20.46	
5	64QAM	12	13	20.84	20.71	20.52	
5	64QAM	25	0	20.83	20.84	20.51	
5	256QAM	1	0	19.92	19.86	19.82	20.7
5	256QAM	1	12	19.72	19.75	19.69	
5	256QAM	1	24	19.88	19.86	19.67	
5	256QAM	12	0	19.88	19.72	19.62	20.7
5	256QAM	12	7	19.97	19.61	19.54	
5	256QAM	12	13	19.86	19.61	19.52	
5	256QAM	25	0	19.69	19.76	19.24	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	20.87	20.82	20.64	21.2
3	QPSK	1	8	20.67	20.59	20.34	
3	QPSK	1	14	20.79	20.62	20.27	
3	QPSK	8	0	21.00	20.81	20.58	21.2
3	QPSK	8	4	21.00	20.76	20.49	
3	QPSK	8	7	20.87	20.69	20.55	
3	QPSK	15	0	20.90	20.58	20.37	
3	16QAM	1	0	20.82	20.90	20.85	21.2
3	16QAM	1	8	20.84	21.02	20.84	
3	16QAM	1	14	20.84	20.79	20.82	
3	16QAM	8	0	20.99	20.87	20.71	21.2
3	16QAM	8	4	20.89	20.66	20.49	
3	16QAM	8	7	20.77	20.86	20.40	
3	16QAM	15	0	20.87	20.82	20.59	
3	64QAM	1	0	20.86	20.98	20.75	21.2
3	64QAM	1	8	21.02	20.81	20.45	
3	64QAM	1	14	20.94	20.76	20.59	
3	64QAM	8	0	21.02	20.84	20.61	21.2
3	64QAM	8	4	21.00	20.76	20.59	
3	64QAM	8	7	21.00	20.66	20.60	
3	64QAM	15	0	20.85	20.71	20.51	
3	256QAM	1	0	19.98	19.96	19.82	20.7
3	256QAM	1	8	19.72	19.84	19.64	
3	256QAM	1	14	19.95	19.89	19.70	
3	256QAM	8	0	20.03	19.76	19.45	20.7
3	256QAM	8	4	19.80	19.60	19.61	
3	256QAM	8	7	19.94	19.65	19.59	
3	256QAM	15	0	19.77	19.80	19.42	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.04	20.85	20.63	21.2
1.4	QPSK	1	3	20.82	20.66	20.37	
1.4	QPSK	1	5	20.81	20.59	20.35	
1.4	QPSK	3	0	20.98	20.68	20.67	
1.4	QPSK	3	1	20.89	20.73	20.48	
1.4	QPSK	3	3	20.92	20.76	20.45	
1.4	QPSK	6	0	20.91	20.67	20.42	21.2
1.4	16QAM	1	0	20.85	20.80	20.86	21.2
1.4	16QAM	1	3	20.86	21.01	20.79	
1.4	16QAM	1	5	20.93	20.93	20.70	
1.4	16QAM	3	0	20.92	20.90	20.60	
1.4	16QAM	3	1	20.97	20.73	20.50	
1.4	16QAM	3	3	20.80	20.82	20.46	
1.4	16QAM	6	0	20.94	20.81	20.58	21.2
1.4	64QAM	1	0	20.89	20.84	20.84	21.2
1.4	64QAM	1	3	20.91	20.68	20.56	
1.4	64QAM	1	5	21.01	20.83	20.44	
1.4	64QAM	3	0	20.94	20.86	20.54	
1.4	64QAM	3	1	20.83	20.73	20.52	
1.4	64QAM	3	3	20.94	20.66	20.49	
1.4	64QAM	6	0	20.90	20.88	20.58	21.2
1.4	256QAM	1	0	20.00	19.87	19.71	20.7
1.4	256QAM	1	3	19.85	19.82	19.69	
1.4	256QAM	1	5	19.89	19.88	19.67	
1.4	256QAM	3	0	19.91	19.63	19.54	
1.4	256QAM	3	1	19.94	19.57	19.60	
1.4	256QAM	3	3	19.87	19.66	19.51	
1.4	256QAM	6	0	19.87	19.66	19.39	20.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.05	20.85	20.74	22
20	QPSK	1	49	20.83	20.75	20.49	
20	QPSK	1	99	20.85	20.67	20.42	
20	QPSK	50	0	21.03	20.87	20.69	22
20	QPSK	50	24	21.02	20.79	20.56	
20	QPSK	50	50	20.93	20.85	20.61	
20	QPSK	100	0	21.02	20.78	20.53	
20	16QAM	1	0	21.01	21.00	20.88	22
20	16QAM	1	49	21.01	21.03	20.84	
20	16QAM	1	99	21.03	20.97	20.82	
20	16QAM	50	0	21.03	20.97	20.78	22
20	16QAM	50	24	21.00	20.81	20.66	
20	16QAM	50	50	20.95	20.91	20.57	
20	16QAM	100	0	21.00	20.83	20.68	
20	64QAM	1	0	20.99	21.04	20.85	22
20	64QAM	1	49	21.04	20.86	20.64	
20	64QAM	1	99	21.02	20.87	20.60	
20	64QAM	50	0	21.02	20.88	20.73	22
20	64QAM	50	24	21.01	20.83	20.66	
20	64QAM	50	50	21.03	20.82	20.65	
20	64QAM	100	0	21.02	20.90	20.66	
20	256QAM	1	0	20.05	20.06	19.91	20.7
20	256QAM	1	49	19.85	19.90	19.74	
20	256QAM	1	99	20.07	19.91	19.74	
20	256QAM	50	0	20.08	19.83	19.63	20.7
20	256QAM	50	24	19.97	19.70	19.70	
20	256QAM	50	50	19.97	19.72	19.61	
20	256QAM	100	0	19.87	19.81	19.44	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.93	20.81	20.70	22
15	QPSK	1	37	20.75	20.62	20.34	
15	QPSK	1	74	20.84	20.62	20.26	
15	QPSK	36	0	20.84	20.87	20.63	22
15	QPSK	36	20	20.94	20.79	20.49	
15	QPSK	36	39	20.77	20.77	20.52	
15	QPSK	75	0	20.94	20.63	20.43	
15	16QAM	1	0	20.91	20.90	20.85	22
15	16QAM	1	37	20.91	20.96	20.80	
15	16QAM	1	74	20.88	20.95	20.63	
15	16QAM	36	0	20.96	20.83	20.69	22
15	16QAM	36	20	20.90	20.79	20.66	
15	16QAM	36	39	20.76	20.77	20.43	
15	16QAM	75	0	20.83	20.63	20.63	
15	64QAM	1	0	20.87	20.92	20.79	22
15	64QAM	1	37	20.97	20.86	20.60	
15	64QAM	1	74	20.91	20.67	20.54	
15	64QAM	36	0	20.88	20.79	20.62	22
15	64QAM	36	20	20.81	20.73	20.49	
15	64QAM	36	39	20.91	20.76	20.45	
15	64QAM	75	0	20.91	20.70	20.52	
15	256QAM	1	0	19.89	19.89	19.78	20.7
15	256QAM	1	37	19.85	19.87	19.73	
15	256QAM	1	74	19.89	19.81	19.71	
15	256QAM	36	0	19.94	19.71	19.57	20.7
15	256QAM	36	20	19.88	19.67	19.54	
15	256QAM	36	39	19.96	19.61	19.53	

15	256QAM	75	0	19.72	19.61	19.42	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.85	20.68	20.58	22
10	QPSK	1	25	20.65	20.67	20.29	
10	QPSK	1	49	20.67	20.56	20.22	
10	QPSK	25	0	20.83	20.77	20.60	22
10	QPSK	25	12	20.93	20.73	20.51	
10	QPSK	25	25	20.88	20.82	20.51	
10	QPSK	50	0	20.88	20.71	20.39	
10	16QAM	1	0	20.83	20.80	20.68	22
10	16QAM	1	25	20.96	20.98	20.78	
10	16QAM	1	49	20.90	20.82	20.82	
10	16QAM	25	0	21.01	20.79	20.63	22
10	16QAM	25	12	20.84	20.81	20.64	
10	16QAM	25	25	20.80	20.81	20.50	
10	16QAM	50	0	21.00	20.70	20.66	
10	64QAM	1	0	20.97	20.99	20.68	22
10	64QAM	1	25	20.96	20.73	20.45	
10	64QAM	1	49	20.97	20.86	20.41	
10	64QAM	25	0	20.99	20.87	20.62	22
10	64QAM	25	12	20.82	20.79	20.48	
10	64QAM	25	25	20.96	20.81	20.47	
10	64QAM	50	0	21.01	20.74	20.53	
10	256QAM	1	0	19.87	19.96	19.79	20.7
10	256QAM	1	25	19.73	19.87	19.54	
10	256QAM	1	49	19.98	19.76	19.62	
10	256QAM	25	0	19.93	19.75	19.56	20.7
10	256QAM	25	12	19.93	19.50	19.64	
10	256QAM	25	25	19.86	19.71	19.44	
10	256QAM	50	0	19.71	19.68	19.26	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.00	20.84	20.72	22
5	QPSK	1	12	20.77	20.67	20.40	
5	QPSK	1	24	20.77	20.63	20.35	
5	QPSK	12	0	20.83	20.72	20.67	22
5	QPSK	12	7	20.83	20.60	20.43	
5	QPSK	12	13	20.92	20.71	20.43	
5	QPSK	25	0	20.87	20.74	20.39	
5	16QAM	1	0	20.97	20.94	20.68	22
5	16QAM	1	12	20.89	20.90	20.64	
5	16QAM	1	24	20.96	20.95	20.72	
5	16QAM	12	0	20.96	20.95	20.78	22
5	16QAM	12	7	20.89	20.70	20.53	
5	16QAM	12	13	20.88	20.77	20.57	
5	16QAM	25	0	21.00	20.82	20.67	
5	64QAM	1	0	20.83	21.02	20.76	22
5	64QAM	1	12	21.02	20.66	20.57	
5	64QAM	1	24	21.01	20.81	20.59	
5	64QAM	12	0	20.82	20.68	20.69	22
5	64QAM	12	7	20.87	20.75	20.46	
5	64QAM	12	13	20.84	20.71	20.52	
5	64QAM	25	0	20.83	20.84	20.51	
5	256QAM	1	0	19.92	19.86	19.82	20.7
5	256QAM	1	12	19.72	19.75	19.69	
5	256QAM	1	24	19.88	19.86	19.67	
5	256QAM	12	0	19.88	19.72	19.62	20.7
5	256QAM	12	7	19.97	19.61	19.54	
5	256QAM	12	13	19.86	19.61	19.52	
5	256QAM	25	0	19.69	19.76	19.24	
Channel				131987	132322	132657	Tune-up limit

Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	20.87	20.82	20.64	22
3	QPSK	1	8	20.67	20.59	20.34	
3	QPSK	1	14	20.79	20.62	20.27	
3	QPSK	8	0	21.00	20.81	20.58	22
3	QPSK	8	4	21.00	20.76	20.49	
3	QPSK	8	7	20.87	20.69	20.55	
3	QPSK	15	0	20.90	20.58	20.37	
3	16QAM	1	0	20.82	20.90	20.85	22
3	16QAM	1	8	20.84	21.02	20.84	
3	16QAM	1	14	20.84	20.79	20.82	
3	16QAM	8	0	20.99	20.87	20.71	22
3	16QAM	8	4	20.89	20.66	20.49	
3	16QAM	8	7	20.77	20.86	20.40	
3	16QAM	15	0	20.87	20.82	20.59	
3	64QAM	1	0	20.86	20.98	20.75	22
3	64QAM	1	8	21.02	20.81	20.45	
3	64QAM	1	14	20.94	20.76	20.59	
3	64QAM	8	0	21.02	20.84	20.61	22
3	64QAM	8	4	21.00	20.76	20.59	
3	64QAM	8	7	21.00	20.66	20.60	
3	64QAM	15	0	20.85	20.71	20.51	
3	256QAM	1	0	19.98	19.96	19.82	20.7
3	256QAM	1	8	19.72	19.84	19.64	
3	256QAM	1	14	19.95	19.89	19.70	
3	256QAM	8	0	20.03	19.76	19.45	20.7
3	256QAM	8	4	19.80	19.60	19.61	
3	256QAM	8	7	19.94	19.65	19.59	
3	256QAM	15	0	19.77	19.80	19.42	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.04	20.85	20.63	22
1.4	QPSK	1	3	20.82	20.66	20.37	
1.4	QPSK	1	5	20.81	20.59	20.35	
1.4	QPSK	3	0	20.98	20.68	20.67	
1.4	QPSK	3	1	20.89	20.73	20.48	
1.4	QPSK	3	3	20.92	20.76	20.45	
1.4	QPSK	6	0	20.91	20.67	20.42	22
1.4	16QAM	1	0	20.85	20.80	20.86	22
1.4	16QAM	1	3	20.86	21.01	20.79	
1.4	16QAM	1	5	20.93	20.93	20.70	
1.4	16QAM	3	0	20.92	20.90	20.60	
1.4	16QAM	3	1	20.97	20.73	20.50	
1.4	16QAM	3	3	20.80	20.82	20.46	
1.4	16QAM	6	0	20.94	20.81	20.58	22
1.4	64QAM	1	0	20.89	20.84	20.84	22
1.4	64QAM	1	3	20.91	20.68	20.56	
1.4	64QAM	1	5	21.01	20.83	20.44	
1.4	64QAM	3	0	20.94	20.86	20.54	
1.4	64QAM	3	1	20.83	20.73	20.52	
1.4	64QAM	3	3	20.94	20.66	20.49	
1.4	64QAM	6	0	20.90	20.88	20.58	22
1.4	256QAM	1	0	20.00	19.87	19.71	20.7
1.4	256QAM	1	3	19.85	19.82	19.69	
1.4	256QAM	1	5	19.89	19.88	19.67	
1.4	256QAM	3	0	19.91	19.63	19.54	
1.4	256QAM	3	1	19.94	19.57	19.60	
1.4	256QAM	3	3	19.87	19.66	19.51	
1.4	256QAM	6	0	19.87	19.66	19.39	20.7

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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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.68	24.67	24.63	25.7
20	QPSK	1	49	24.53	24.53	24.44	
20	QPSK	1	99	24.50	24.46	24.44	
20	QPSK	50	0	23.62	23.58	23.52	24.7
20	QPSK	50	24	23.57	23.57	23.46	
20	QPSK	50	50	23.51	23.51	23.44	
20	QPSK	100	0	23.54	23.52	23.43	
20	16QAM	1	0	24.06	24.03	23.96	24.7
20	16QAM	1	49	24.06	23.87	23.80	
20	16QAM	1	99	23.92	23.96	23.71	
20	16QAM	50	0	22.61	22.62	22.55	23.7
20	16QAM	50	24	22.61	22.61	22.54	
20	16QAM	50	50	22.57	22.57	22.50	
20	16QAM	100	0	22.56	22.54	22.47	
20	64QAM	1	0	22.89	22.91	22.80	23.7
20	64QAM	1	49	22.99	22.80	22.68	
20	64QAM	1	99	22.95	22.94	22.67	
20	64QAM	50	0	21.66	21.65	21.61	22.7
20	64QAM	50	24	21.65	21.63	21.59	
20	64QAM	50	50	21.62	21.59	21.54	
20	64QAM	100	0	21.59	21.54	21.47	
20	256QAM	1	0	19.85	19.88	20.01	20.7
20	256QAM	1	49	19.69	19.78	19.86	
20	256QAM	1	99	19.46	19.52	19.58	
20	256QAM	50	0	19.80	19.87	19.91	20.7
20	256QAM	50	24	19.52	19.65	19.72	
20	256QAM	50	50	19.46	19.49	19.60	
20	256QAM	100	0	19.61	19.68	19.74	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.52	24.49	24.56	25.7
15	QPSK	1	37	24.49	24.48	24.32	
15	QPSK	1	74	24.40	24.39	24.28	
15	QPSK	36	0	23.48	23.58	23.42	24.7
15	QPSK	36	20	23.52	23.57	23.33	
15	QPSK	36	39	23.36	23.49	23.37	
15	QPSK	75	0	23.44	23.44	23.23	
15	16QAM	1	0	23.95	23.85	23.96	24.7
15	16QAM	1	37	23.99	23.82	23.79	
15	16QAM	1	74	23.88	23.89	23.58	
15	16QAM	36	0	22.52	22.55	22.46	23.7
15	16QAM	36	20	22.51	22.48	22.43	
15	16QAM	36	39	22.51	22.50	22.32	
15	16QAM	75	0	22.36	22.41	22.36	
15	64QAM	1	0	22.73	22.85	22.75	23.7
15	64QAM	1	37	22.96	22.63	22.65	
15	64QAM	1	74	22.91	22.80	22.49	
15	64QAM	36	0	21.58	21.50	21.41	22.7
15	64QAM	36	20	21.47	21.53	21.54	
15	64QAM	36	39	21.62	21.55	21.37	
15	64QAM	75	0	21.40	21.37	21.36	
15	256QAM	1	0	19.84	19.72	19.81	20.7
15	256QAM	1	37	19.61	19.64	19.67	
15	256QAM	1	74	19.42	19.36	19.52	
15	256QAM	36	0	19.73	19.77	19.76	20.7
15	256QAM	36	20	19.50	19.58	19.64	
15	256QAM	36	39	19.37	19.35	19.54	

15	256QAM	75	0	19.52	19.63	19.73	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.50	24.55	24.56	25.7
10	QPSK	1	25	24.45	24.49	24.42	
10	QPSK	1	49	24.37	24.32	24.31	
10	QPSK	25	0	23.60	23.42	23.34	24.7
10	QPSK	25	12	23.47	23.44	23.40	
10	QPSK	25	25	23.32	23.51	23.26	
10	QPSK	50	0	23.46	23.45	23.35	
10	16QAM	1	0	24.03	23.86	23.86	24.7
10	16QAM	1	25	23.98	23.81	23.68	
10	16QAM	1	49	23.81	23.83	23.51	
10	16QAM	25	0	22.53	22.50	22.44	23.7
10	16QAM	25	12	22.51	22.48	22.36	
10	16QAM	25	25	22.37	22.56	22.50	
10	16QAM	50	0	22.50	22.38	22.42	
10	64QAM	1	0	22.74	22.73	22.68	23.7
10	64QAM	1	25	22.84	22.79	22.63	
10	64QAM	1	49	22.82	22.75	22.66	
10	64QAM	25	0	21.48	21.58	21.61	22.7
10	64QAM	25	12	21.53	21.59	21.51	
10	64QAM	25	25	21.48	21.58	21.50	
10	64QAM	50	0	21.53	21.45	21.38	
10	256QAM	1	0	19.73	19.74	19.91	20.7
10	256QAM	1	25	19.66	19.64	19.76	
10	256QAM	1	49	19.32	19.44	19.52	
10	256QAM	25	0	19.61	19.69	19.87	20.7
10	256QAM	25	12	19.42	19.57	19.65	
10	256QAM	25	25	19.40	19.43	19.47	
10	256QAM	50	0	19.56	19.51	19.57	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.61	24.61	24.61	25.7
5	QPSK	1	12	24.50	24.48	24.31	
5	QPSK	1	24	24.49	24.38	24.41	
5	QPSK	12	0	23.57	23.52	23.50	24.7
5	QPSK	12	7	23.55	23.41	23.44	
5	QPSK	12	13	23.45	23.35	23.39	
5	QPSK	25	0	23.51	23.38	23.24	
5	16QAM	1	0	23.98	23.97	23.93	24.7
5	16QAM	1	12	24.02	23.68	23.61	
5	16QAM	1	24	23.72	23.92	23.67	
5	16QAM	12	0	22.50	22.49	22.51	23.7
5	16QAM	12	7	22.50	22.61	22.48	
5	16QAM	12	13	22.49	22.51	22.39	
5	16QAM	25	0	22.54	22.46	22.27	
5	64QAM	1	0	22.81	22.71	22.64	23.7
5	64QAM	1	12	22.86	22.66	22.57	
5	64QAM	1	24	22.89	22.92	22.63	
5	64QAM	12	0	21.52	21.50	21.42	22.7
5	64QAM	12	7	21.48	21.56	21.49	
5	64QAM	12	13	21.50	21.55	21.50	
5	64QAM	25	0	21.51	21.50	21.27	
5	256QAM	1	0	19.75	19.80	19.97	20.7
5	256QAM	1	12	19.63	19.75	19.73	
5	256QAM	1	24	19.33	19.37	19.47	
5	256QAM	12	0	19.69	19.78	19.91	20.7
5	256QAM	12	7	19.45	19.57	19.67	
5	256QAM	12	13	19.30	19.46	19.44	
5	256QAM	25	0	19.52	19.66	19.63	

<LTE Band 71_Ant 0_TX0_Index 7/8/9/10/11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.68	24.67	24.63	25.7
20	QPSK	1	49	24.53	24.53	24.44	
20	QPSK	1	99	24.50	24.46	24.44	
20	QPSK	50	0	23.62	23.58	23.52	24.7
20	QPSK	50	24	23.57	23.57	23.46	
20	QPSK	50	50	23.51	23.51	23.44	
20	QPSK	100	0	23.54	23.52	23.43	
20	16QAM	1	0	24.06	24.03	23.96	24.7
20	16QAM	1	49	24.06	23.87	23.80	
20	16QAM	1	99	23.92	23.96	23.71	
20	16QAM	50	0	22.61	22.62	22.55	23.7
20	16QAM	50	24	22.61	22.61	22.54	
20	16QAM	50	50	22.57	22.57	22.50	
20	16QAM	100	0	22.56	22.54	22.47	
20	64QAM	1	0	22.89	22.91	22.80	23.7
20	64QAM	1	49	22.99	22.80	22.68	
20	64QAM	1	99	22.95	22.94	22.67	
20	64QAM	50	0	21.66	21.65	21.61	22.7
20	64QAM	50	24	21.65	21.63	21.59	
20	64QAM	50	50	21.62	21.59	21.54	
20	64QAM	100	0	21.59	21.54	21.47	
20	256QAM	1	0	19.85	19.88	20.01	20.7
20	256QAM	1	49	19.69	19.78	19.86	
20	256QAM	1	99	19.46	19.52	19.58	
20	256QAM	50	0	19.80	19.87	19.91	20.7
20	256QAM	50	24	19.52	19.65	19.72	
20	256QAM	50	50	19.46	19.49	19.60	
20	256QAM	100	0	19.61	19.68	19.74	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.52	24.49	24.56	25.7
15	QPSK	1	37	24.49	24.48	24.32	
15	QPSK	1	74	24.40	24.39	24.28	
15	QPSK	36	0	23.48	23.58	23.42	24.7
15	QPSK	36	20	23.52	23.57	23.33	
15	QPSK	36	39	23.36	23.49	23.37	
15	QPSK	75	0	23.44	23.44	23.23	
15	16QAM	1	0	23.95	23.85	23.96	24.7
15	16QAM	1	37	23.99	23.82	23.79	
15	16QAM	1	74	23.88	23.89	23.58	
15	16QAM	36	0	22.52	22.55	22.46	23.7
15	16QAM	36	20	22.51	22.48	22.43	
15	16QAM	36	39	22.51	22.50	22.32	
15	16QAM	75	0	22.36	22.41	22.36	
15	64QAM	1	0	22.73	22.85	22.75	23.7
15	64QAM	1	37	22.96	22.63	22.65	
15	64QAM	1	74	22.91	22.80	22.49	
15	64QAM	36	0	21.58	21.50	21.41	22.7
15	64QAM	36	20	21.47	21.53	21.54	
15	64QAM	36	39	21.62	21.55	21.37	
15	64QAM	75	0	21.40	21.37	21.36	
15	256QAM	1	0	19.84	19.72	19.81	20.7
15	256QAM	1	37	19.61	19.64	19.67	
15	256QAM	1	74	19.42	19.36	19.52	
15	256QAM	36	0	19.73	19.77	19.76	20.7
15	256QAM	36	20	19.50	19.58	19.64	
15	256QAM	36	39	19.37	19.35	19.54	

15	256QAM	75	0	19.52	19.63	19.73	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.50	24.55	24.56	25.7
10	QPSK	1	25	24.45	24.49	24.42	
10	QPSK	1	49	24.37	24.32	24.31	
10	QPSK	25	0	23.60	23.42	23.34	24.7
10	QPSK	25	12	23.47	23.44	23.40	
10	QPSK	25	25	23.32	23.51	23.26	
10	QPSK	50	0	23.46	23.45	23.35	
10	16QAM	1	0	24.03	23.86	23.86	24.7
10	16QAM	1	25	23.98	23.81	23.68	
10	16QAM	1	49	23.81	23.83	23.51	
10	16QAM	25	0	22.53	22.50	22.44	23.7
10	16QAM	25	12	22.51	22.48	22.36	
10	16QAM	25	25	22.37	22.56	22.50	
10	16QAM	50	0	22.50	22.38	22.42	
10	64QAM	1	0	22.74	22.73	22.68	23.7
10	64QAM	1	25	22.84	22.79	22.63	
10	64QAM	1	49	22.82	22.75	22.66	
10	64QAM	25	0	21.48	21.58	21.61	22.7
10	64QAM	25	12	21.53	21.59	21.51	
10	64QAM	25	25	21.48	21.58	21.50	
10	64QAM	50	0	21.53	21.45	21.38	
10	256QAM	1	0	19.73	19.74	19.91	20.7
10	256QAM	1	25	19.66	19.64	19.76	
10	256QAM	1	49	19.32	19.44	19.52	
10	256QAM	25	0	19.61	19.69	19.87	20.7
10	256QAM	25	12	19.42	19.57	19.65	
10	256QAM	25	25	19.40	19.43	19.47	
10	256QAM	50	0	19.56	19.51	19.57	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.61	24.61	24.61	25.7
5	QPSK	1	12	24.50	24.48	24.31	
5	QPSK	1	24	24.49	24.38	24.41	
5	QPSK	12	0	23.57	23.52	23.50	24.7
5	QPSK	12	7	23.55	23.41	23.44	
5	QPSK	12	13	23.45	23.35	23.39	
5	QPSK	25	0	23.51	23.38	23.24	
5	16QAM	1	0	23.98	23.97	23.93	24.7
5	16QAM	1	12	24.02	23.68	23.61	
5	16QAM	1	24	23.72	23.92	23.67	
5	16QAM	12	0	22.50	22.49	22.51	23.7
5	16QAM	12	7	22.50	22.61	22.48	
5	16QAM	12	13	22.49	22.51	22.39	
5	16QAM	25	0	22.54	22.46	22.27	
5	64QAM	1	0	22.81	22.71	22.64	23.7
5	64QAM	1	12	22.86	22.66	22.57	
5	64QAM	1	24	22.89	22.92	22.63	
5	64QAM	12	0	21.52	21.50	21.42	22.7
5	64QAM	12	7	21.48	21.56	21.49	
5	64QAM	12	13	21.50	21.55	21.50	
5	64QAM	25	0	21.51	21.50	21.27	
5	256QAM	1	0	19.75	19.80	19.97	20.7
5	256QAM	1	12	19.63	19.75	19.73	
5	256QAM	1	24	19.33	19.37	19.47	
5	256QAM	12	0	19.69	19.78	19.91	20.7
5	256QAM	12	7	19.45	19.57	19.67	
5	256QAM	12	13	19.30	19.46	19.44	
5	256QAM	25	0	19.52	19.66	19.63	

<LTE Band 71_Ant 1_TX1_Index 2/3/4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.59	24.70	24.63	25.7
20	QPSK	1	49	24.48	24.53	24.49	
20	QPSK	1	99	24.44	24.53	24.48	
20	QPSK	50	0	23.61	23.59	23.56	24.7
20	QPSK	50	24	23.59	23.58	23.55	
20	QPSK	50	50	23.54	23.55	23.55	
20	QPSK	100	0	23.53	23.54	23.48	
20	16QAM	1	0	24.14	24.03	23.92	24.7
20	16QAM	1	49	24.07	23.82	23.90	
20	16QAM	1	99	23.96	23.99	23.77	
20	16QAM	50	0	22.61	22.62	22.57	23.7
20	16QAM	50	24	22.64	22.59	22.58	
20	16QAM	50	50	22.59	22.57	22.57	
20	16QAM	100	0	22.56	22.53	22.51	
20	64QAM	1	0	22.95	22.87	22.79	23.7
20	64QAM	1	49	22.75	22.61	22.77	
20	64QAM	1	99	22.75	22.89	22.70	
20	64QAM	50	0	21.65	21.67	21.62	22.7
20	64QAM	50	24	21.69	21.64	21.64	
20	64QAM	50	50	21.65	21.61	21.62	
20	64QAM	100	0	21.59	21.56	21.51	
20	256QAM	1	0	19.91	19.84	19.87	20.7
20	256QAM	1	49	19.55	19.56	19.56	
20	256QAM	1	99	19.51	19.52	19.48	
20	256QAM	50	0	19.50	19.49	19.44	20.7
20	256QAM	50	24	19.52	19.50	19.51	
20	256QAM	50	50	19.52	19.53	19.53	
20	256QAM	100	0	19.53	19.46	19.43	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.53	24.58	24.57	25.7
15	QPSK	1	37	24.40	24.35	24.34	
15	QPSK	1	74	24.24	24.38	24.42	
15	QPSK	36	0	23.43	23.55	23.50	24.7
15	QPSK	36	20	23.51	23.42	23.51	
15	QPSK	36	39	23.47	23.50	23.55	
15	QPSK	75	0	23.38	23.53	23.37	
15	16QAM	1	0	24.03	23.83	23.92	24.7
15	16QAM	1	37	23.97	23.68	23.77	
15	16QAM	1	74	23.82	23.97	23.77	
15	16QAM	36	0	22.45	22.62	22.53	23.7
15	16QAM	36	20	22.48	22.39	22.41	
15	16QAM	36	39	22.53	22.37	22.43	
15	16QAM	75	0	22.48	22.49	22.34	
15	64QAM	1	0	22.84	22.72	22.61	23.7
15	64QAM	1	37	22.67	22.46	22.63	
15	64QAM	1	74	22.55	22.71	22.65	
15	64QAM	36	0	21.49	21.58	21.53	22.7
15	64QAM	36	20	21.57	21.46	21.48	
15	64QAM	36	39	21.50	21.56	21.49	
15	64QAM	75	0	21.45	21.44	21.39	
15	256QAM	1	0	19.79	19.65	19.79	20.7
15	256QAM	1	37	19.55	19.47	19.54	
15	256QAM	1	74	19.51	19.41	19.38	
15	256QAM	36	0	19.42	19.41	19.43	20.7
15	256QAM	36	20	19.39	19.43	19.32	

15	256QAM	36	39	19.52	19.40	19.50	
15	256QAM	75	0	19.36	19.44	19.34	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.45	24.69	24.52	25.7
10	QPSK	1	25	24.35	24.40	24.31	
10	QPSK	1	49	24.36	24.41	24.41	
10	QPSK	25	0	23.41	23.46	23.36	24.7
10	QPSK	25	12	23.54	23.47	23.49	
10	QPSK	25	25	23.52	23.36	23.48	
10	QPSK	50	0	23.46	23.46	23.41	
10	16QAM	1	0	24.00	24.01	23.82	24.7
10	16QAM	1	25	23.87	23.79	23.81	
10	16QAM	1	49	23.76	23.87	23.73	
10	16QAM	25	0	22.52	22.46	22.42	23.7
10	16QAM	25	12	22.49	22.47	22.38	
10	16QAM	25	25	22.51	22.39	22.43	
10	16QAM	50	0	22.49	22.40	22.35	
10	64QAM	1	0	22.92	22.78	22.77	23.7
10	64QAM	1	25	22.73	22.54	22.59	
10	64QAM	1	49	22.66	22.84	22.63	
10	64QAM	25	0	21.58	21.61	21.50	22.7
10	64QAM	25	12	21.56	21.49	21.54	
10	64QAM	25	25	21.47	21.57	21.54	
10	64QAM	50	0	21.46	21.48	21.42	
10	256QAM	1	0	19.87	19.71	19.67	20.7
10	256QAM	1	25	19.35	19.49	19.54	
10	256QAM	1	49	19.32	19.39	19.44	
10	256QAM	25	0	19.36	19.35	19.30	20.7
10	256QAM	25	12	19.39	19.45	19.51	
10	256QAM	25	25	19.37	19.50	19.33	
10	256QAM	50	0	19.37	19.33	19.39	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.52	24.54	24.53	25.7
5	QPSK	1	12	24.32	24.35	24.41	
5	QPSK	1	24	24.28	24.37	24.38	
5	QPSK	12	0	23.44	23.42	23.41	24.7
5	QPSK	12	7	23.55	23.41	23.54	
5	QPSK	12	13	23.39	23.52	23.55	
5	QPSK	25	0	23.38	23.54	23.32	
5	16QAM	1	0	24.09	23.93	23.88	24.7
5	16QAM	1	12	24.03	23.82	23.71	
5	16QAM	1	24	23.96	23.80	23.66	
5	16QAM	12	0	22.46	22.53	22.51	23.7
5	16QAM	12	7	22.58	22.51	22.50	
5	16QAM	12	13	22.49	22.51	22.46	
5	16QAM	25	0	22.45	22.41	22.35	
5	64QAM	1	0	22.77	22.84	22.70	23.7
5	64QAM	1	12	22.55	22.45	22.77	
5	64QAM	1	24	22.72	22.74	22.58	
5	64QAM	12	0	21.50	21.59	21.52	22.7
5	64QAM	12	7	21.57	21.58	21.46	
5	64QAM	12	13	21.60	21.60	21.56	
5	64QAM	25	0	21.43	21.49	21.34	
5	256QAM	1	0	19.81	19.82	19.87	20.7
5	256QAM	1	12	19.40	19.37	19.42	
5	256QAM	1	24	19.38	19.41	19.34	
5	256QAM	12	0	19.45	19.32	19.28	20.7
5	256QAM	12	7	19.41	19.37	19.50	
5	256QAM	12	13	19.51	19.50	19.36	
5	256QAM	25	0	19.48	19.41	19.34	

<LTE Band 71_Ant 0_TX1_Index 7/9/10/11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.59	24.70	24.63	25.7
20	QPSK	1	49	24.48	24.53	24.49	
20	QPSK	1	99	24.44	24.53	24.48	
20	QPSK	50	0	23.61	23.59	23.56	24.7
20	QPSK	50	24	23.59	23.58	23.55	
20	QPSK	50	50	23.54	23.55	23.55	
20	QPSK	100	0	23.53	23.54	23.48	
20	16QAM	1	0	24.14	24.03	23.92	24.7
20	16QAM	1	49	24.07	23.82	23.90	
20	16QAM	1	99	23.96	23.99	23.77	
20	16QAM	50	0	22.61	22.62	22.57	23.7
20	16QAM	50	24	22.64	22.59	22.58	
20	16QAM	50	50	22.59	22.57	22.57	
20	16QAM	100	0	22.56	22.53	22.51	
20	64QAM	1	0	22.95	22.87	22.79	23.7
20	64QAM	1	49	22.75	22.61	22.77	
20	64QAM	1	99	22.75	22.89	22.70	
20	64QAM	50	0	21.65	21.67	21.62	22.7
20	64QAM	50	24	21.69	21.64	21.64	
20	64QAM	50	50	21.65	21.61	21.62	
20	64QAM	100	0	21.59	21.56	21.51	
20	256QAM	1	0	19.91	19.84	19.87	20.7
20	256QAM	1	49	19.55	19.56	19.56	
20	256QAM	1	99	19.51	19.52	19.48	
20	256QAM	50	0	19.50	19.49	19.44	20.7
20	256QAM	50	24	19.52	19.50	19.51	
20	256QAM	50	50	19.52	19.53	19.53	
20	256QAM	100	0	19.53	19.46	19.43	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.53	24.58	24.57	25.7
15	QPSK	1	37	24.40	24.35	24.34	
15	QPSK	1	74	24.24	24.38	24.42	
15	QPSK	36	0	23.43	23.55	23.50	24.7
15	QPSK	36	20	23.51	23.42	23.51	
15	QPSK	36	39	23.47	23.50	23.55	
15	QPSK	75	0	23.38	23.53	23.37	
15	16QAM	1	0	24.03	23.83	23.92	24.7
15	16QAM	1	37	23.97	23.68	23.77	
15	16QAM	1	74	23.82	23.97	23.77	
15	16QAM	36	0	22.45	22.62	22.53	23.7
15	16QAM	36	20	22.48	22.39	22.41	
15	16QAM	36	39	22.53	22.37	22.43	
15	16QAM	75	0	22.48	22.49	22.34	
15	64QAM	1	0	22.84	22.72	22.61	23.7
15	64QAM	1	37	22.67	22.46	22.63	
15	64QAM	1	74	22.55	22.71	22.65	
15	64QAM	36	0	21.49	21.58	21.53	22.7
15	64QAM	36	20	21.57	21.46	21.48	
15	64QAM	36	39	21.50	21.56	21.49	
15	64QAM	75	0	21.45	21.44	21.39	
15	256QAM	1	0	19.79	19.65	19.79	20.7
15	256QAM	1	37	19.55	19.47	19.54	
15	256QAM	1	74	19.51	19.41	19.38	
15	256QAM	36	0	19.42	19.41	19.43	20.7
15	256QAM	36	20	19.39	19.43	19.32	
15	256QAM	36	39	19.52	19.40	19.50	

15	256QAM	75	0	19.36	19.44	19.34	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.45	24.69	24.52	25.7
10	QPSK	1	25	24.35	24.40	24.31	
10	QPSK	1	49	24.36	24.41	24.41	
10	QPSK	25	0	23.41	23.46	23.36	24.7
10	QPSK	25	12	23.54	23.47	23.49	
10	QPSK	25	25	23.52	23.36	23.48	
10	QPSK	50	0	23.46	23.46	23.41	
10	16QAM	1	0	24.00	24.01	23.82	24.7
10	16QAM	1	25	23.87	23.79	23.81	
10	16QAM	1	49	23.76	23.87	23.73	
10	16QAM	25	0	22.52	22.46	22.42	23.7
10	16QAM	25	12	22.49	22.47	22.38	
10	16QAM	25	25	22.51	22.39	22.43	
10	16QAM	50	0	22.49	22.40	22.35	
10	64QAM	1	0	22.92	22.78	22.77	23.7
10	64QAM	1	25	22.73	22.54	22.59	
10	64QAM	1	49	22.66	22.84	22.63	
10	64QAM	25	0	21.58	21.61	21.50	22.7
10	64QAM	25	12	21.56	21.49	21.54	
10	64QAM	25	25	21.47	21.57	21.54	
10	64QAM	50	0	21.46	21.48	21.42	
10	256QAM	1	0	19.87	19.71	19.67	20.7
10	256QAM	1	25	19.35	19.49	19.54	
10	256QAM	1	49	19.32	19.39	19.44	
10	256QAM	25	0	19.36	19.35	19.30	20.7
10	256QAM	25	12	19.39	19.45	19.51	
10	256QAM	25	25	19.37	19.50	19.33	
10	256QAM	50	0	19.37	19.33	19.39	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.52	24.54	24.53	25.7
5	QPSK	1	12	24.32	24.35	24.41	
5	QPSK	1	24	24.28	24.37	24.38	
5	QPSK	12	0	23.44	23.42	23.41	24.7
5	QPSK	12	7	23.55	23.41	23.54	
5	QPSK	12	13	23.39	23.52	23.55	
5	QPSK	25	0	23.38	23.54	23.32	
5	16QAM	1	0	24.09	23.93	23.88	24.7
5	16QAM	1	12	24.03	23.82	23.71	
5	16QAM	1	24	23.96	23.80	23.66	
5	16QAM	12	0	22.46	22.53	22.51	23.7
5	16QAM	12	7	22.58	22.51	22.50	
5	16QAM	12	13	22.49	22.51	22.46	
5	16QAM	25	0	22.45	22.41	22.35	
5	64QAM	1	0	22.77	22.84	22.70	23.7
5	64QAM	1	12	22.55	22.45	22.77	
5	64QAM	1	24	22.72	22.74	22.58	
5	64QAM	12	0	21.50	21.59	21.52	22.7
5	64QAM	12	7	21.57	21.58	21.46	
5	64QAM	12	13	21.60	21.60	21.56	
5	64QAM	25	0	21.43	21.49	21.34	
5	256QAM	1	0	19.81	19.82	19.87	20.7
5	256QAM	1	12	19.40	19.37	19.42	
5	256QAM	1	24	19.38	19.41	19.34	
5	256QAM	12	0	19.45	19.32	19.28	20.7
5	256QAM	12	7	19.41	19.37	19.50	
5	256QAM	12	13	19.51	19.50	19.36	
5	256QAM	25	0	19.48	19.41	19.34	

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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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.59	24.70	24.63	25.4
20	QPSK	1	49	24.48	24.53	24.49	
20	QPSK	1	99	24.44	24.53	24.48	
20	QPSK	50	0	23.61	23.59	23.56	24.7
20	QPSK	50	24	23.59	23.58	23.55	
20	QPSK	50	50	23.54	23.55	23.55	
20	QPSK	100	0	23.53	23.54	23.48	
20	16QAM	1	0	24.14	24.03	23.92	24.7
20	16QAM	1	49	24.07	23.82	23.90	
20	16QAM	1	99	23.96	23.99	23.77	
20	16QAM	50	0	22.61	22.62	22.57	23.7
20	16QAM	50	24	22.64	22.59	22.58	
20	16QAM	50	50	22.59	22.57	22.57	
20	16QAM	100	0	22.56	22.53	22.51	
20	64QAM	1	0	22.95	22.87	22.79	23.7
20	64QAM	1	49	22.75	22.61	22.77	
20	64QAM	1	99	22.75	22.89	22.70	
20	64QAM	50	0	21.65	21.67	21.62	22.7
20	64QAM	50	24	21.69	21.64	21.64	
20	64QAM	50	50	21.65	21.61	21.62	
20	64QAM	100	0	21.59	21.56	21.51	
20	256QAM	1	0	19.91	19.84	19.87	20.7
20	256QAM	1	49	19.55	19.56	19.56	
20	256QAM	1	99	19.51	19.52	19.48	
20	256QAM	50	0	19.50	19.49	19.44	20.7
20	256QAM	50	24	19.52	19.50	19.51	
20	256QAM	50	50	19.52	19.53	19.53	
20	256QAM	100	0	19.53	19.46	19.43	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.53	24.58	24.57	25.4
15	QPSK	1	37	24.40	24.35	24.34	
15	QPSK	1	74	24.24	24.38	24.42	
15	QPSK	36	0	23.43	23.55	23.50	24.7
15	QPSK	36	20	23.51	23.42	23.51	
15	QPSK	36	39	23.47	23.50	23.55	
15	QPSK	75	0	23.38	23.53	23.37	
15	16QAM	1	0	24.03	23.83	23.92	24.7
15	16QAM	1	37	23.97	23.68	23.77	
15	16QAM	1	74	23.82	23.97	23.77	
15	16QAM	36	0	22.45	22.62	22.53	23.7
15	16QAM	36	20	22.48	22.39	22.41	
15	16QAM	36	39	22.53	22.37	22.43	
15	16QAM	75	0	22.48	22.49	22.34	
15	64QAM	1	0	22.84	22.72	22.61	23.7
15	64QAM	1	37	22.67	22.46	22.63	
15	64QAM	1	74	22.55	22.71	22.65	
15	64QAM	36	0	21.49	21.58	21.53	22.7
15	64QAM	36	20	21.57	21.46	21.48	
15	64QAM	36	39	21.50	21.56	21.49	
15	64QAM	75	0	21.45	21.44	21.39	
15	256QAM	1	0	19.79	19.65	19.79	20.7
15	256QAM	1	37	19.55	19.47	19.54	
15	256QAM	1	74	19.51	19.41	19.38	
15	256QAM	36	0	19.42	19.41	19.43	20.7
15	256QAM	36	20	19.39	19.43	19.32	
15	256QAM	36	39	19.52	19.40	19.50	

15	256QAM	75	0	19.36	19.44	19.34	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.45	24.69	24.52	25.4
10	QPSK	1	25	24.35	24.40	24.31	
10	QPSK	1	49	24.36	24.41	24.41	
10	QPSK	25	0	23.41	23.46	23.36	24.7
10	QPSK	25	12	23.54	23.47	23.49	
10	QPSK	25	25	23.52	23.36	23.48	
10	QPSK	50	0	23.46	23.46	23.41	
10	16QAM	1	0	24.00	24.01	23.82	24.7
10	16QAM	1	25	23.87	23.79	23.81	
10	16QAM	1	49	23.76	23.87	23.73	
10	16QAM	25	0	22.52	22.46	22.42	23.7
10	16QAM	25	12	22.49	22.47	22.38	
10	16QAM	25	25	22.51	22.39	22.43	
10	16QAM	50	0	22.49	22.40	22.35	
10	64QAM	1	0	22.92	22.78	22.77	23.7
10	64QAM	1	25	22.73	22.54	22.59	
10	64QAM	1	49	22.66	22.84	22.63	
10	64QAM	25	0	21.58	21.61	21.50	22.7
10	64QAM	25	12	21.56	21.49	21.54	
10	64QAM	25	25	21.47	21.57	21.54	
10	64QAM	50	0	21.46	21.48	21.42	
10	256QAM	1	0	19.87	19.71	19.67	20.7
10	256QAM	1	25	19.35	19.49	19.54	
10	256QAM	1	49	19.32	19.39	19.44	
10	256QAM	25	0	19.36	19.35	19.30	20.7
10	256QAM	25	12	19.39	19.45	19.51	
10	256QAM	25	25	19.37	19.50	19.33	
10	256QAM	50	0	19.37	19.33	19.39	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.52	24.54	24.53	25.4
5	QPSK	1	12	24.32	24.35	24.41	
5	QPSK	1	24	24.28	24.37	24.38	
5	QPSK	12	0	23.44	23.42	23.41	24.7
5	QPSK	12	7	23.55	23.41	23.54	
5	QPSK	12	13	23.39	23.52	23.55	
5	QPSK	25	0	23.38	23.54	23.32	
5	16QAM	1	0	24.09	23.93	23.88	24.7
5	16QAM	1	12	24.03	23.82	23.71	
5	16QAM	1	24	23.96	23.80	23.66	
5	16QAM	12	0	22.46	22.53	22.51	23.7
5	16QAM	12	7	22.58	22.51	22.50	
5	16QAM	12	13	22.49	22.51	22.46	
5	16QAM	25	0	22.45	22.41	22.35	
5	64QAM	1	0	22.77	22.84	22.70	23.7
5	64QAM	1	12	22.55	22.45	22.77	
5	64QAM	1	24	22.72	22.74	22.58	
5	64QAM	12	0	21.50	21.59	21.52	22.7
5	64QAM	12	7	21.57	21.58	21.46	
5	64QAM	12	13	21.60	21.60	21.56	
5	64QAM	25	0	21.43	21.49	21.34	
5	256QAM	1	0	19.81	19.82	19.87	20.7
5	256QAM	1	12	19.40	19.37	19.42	
5	256QAM	1	24	19.38	19.41	19.34	
5	256QAM	12	0	19.45	19.32	19.28	20.7
5	256QAM	12	7	19.41	19.37	19.50	
5	256QAM	12	13	19.51	19.50	19.36	
5	256QAM	25	0	19.48	19.41	19.34	

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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	24.55	24.64	24.60	25.7
20	QPSK	1	49	24.51	24.50	24.47	
20	QPSK	1	99	24.48	24.47	24.44	
20	QPSK	50	0	23.56	23.56	23.54	24.7
20	QPSK	50	24	23.54	23.55	23.51	
20	QPSK	50	50	23.50	23.53	23.50	
20	QPSK	100	0	23.52	23.57	23.51	
20	16QAM	1	0	23.71	23.71	23.63	24.7
20	16QAM	1	49	23.68	23.56	23.60	
20	16QAM	1	99	23.63	23.55	23.55	
20	16QAM	50	0	22.58	22.60	22.52	23.7
20	16QAM	50	24	22.57	22.57	22.55	
20	16QAM	50	50	22.54	22.58	22.54	
20	16QAM	100	0	22.52	22.59	22.56	
20	64QAM	1	0	22.46	22.56	22.49	23.7
20	64QAM	1	49	22.41	22.42	22.48	
20	64QAM	1	99	22.46	22.40	22.46	
20	64QAM	50	0	21.60	21.61	21.54	22.7
20	64QAM	50	24	21.57	21.59	21.52	
20	64QAM	50	50	21.53	21.53	21.49	
20	64QAM	100	0	21.55	21.56	21.53	
20	256QAM	1	0	19.48	19.75	19.87	20.7
20	256QAM	1	49	19.15	19.44	19.55	
20	256QAM	1	99	19.04	19.37	19.48	
20	256QAM	50	0	17.45	17.74	17.78	18.7
20	256QAM	50	24	17.36	17.73	17.76	
20	256QAM	50	50	17.32	17.64	17.67	
20	256QAM	100	0	17.27	17.63	17.67	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.38	24.56	24.58	25.7
15	QPSK	1	37	24.38	24.41	24.47	
15	QPSK	1	74	24.37	24.39	24.30	
15	QPSK	36	0	23.39	23.39	23.43	24.7
15	QPSK	36	20	23.41	23.52	23.39	
15	QPSK	36	39	23.42	23.42	23.33	
15	QPSK	75	0	23.46	23.54	23.42	
15	16QAM	1	0	23.63	23.52	23.63	24.7
15	16QAM	1	37	23.50	23.42	23.46	
15	16QAM	1	74	23.46	23.37	23.39	
15	16QAM	36	0	22.49	22.48	22.51	23.7
15	16QAM	36	20	22.37	22.47	22.44	
15	16QAM	36	39	22.46	22.44	22.54	
15	16QAM	75	0	22.44	22.48	22.40	
15	64QAM	1	0	22.35	22.39	22.31	23.7
15	64QAM	1	37	22.41	22.24	22.42	
15	64QAM	1	74	22.29	22.35	22.34	
15	64QAM	36	0	21.51	21.54	21.46	22.7
15	64QAM	36	20	21.44	21.47	21.44	
15	64QAM	36	39	21.48	21.44	21.40	
15	64QAM	75	0	21.42	21.41	21.52	
15	256QAM	1	0	19.46	19.68	19.84	20.7
15	256QAM	1	37	19.06	19.33	19.36	
15	256QAM	1	74	18.93	19.30	19.29	
15	256QAM	36	0	17.31	17.74	17.73	18.7
15	256QAM	36	20	17.28	17.67	17.62	
15	256QAM	36	39	17.28	17.53	17.48	

15	256QAM	75	0	17.19	17.63	17.64	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.42	24.51	24.45	25.7
10	QPSK	1	25	24.32	24.43	24.28	
10	QPSK	1	49	24.33	24.30	24.41	
10	QPSK	25	0	23.40	23.47	23.37	24.7
10	QPSK	25	12	23.52	23.42	23.37	
10	QPSK	25	25	23.46	23.40	23.33	
10	QPSK	50	0	23.38	23.52	23.50	
10	16QAM	1	0	23.70	23.62	23.49	24.7
10	16QAM	1	25	23.51	23.36	23.55	
10	16QAM	1	49	23.58	23.45	23.52	
10	16QAM	25	0	22.48	22.48	22.44	23.7
10	16QAM	25	12	22.39	22.44	22.48	
10	16QAM	25	25	22.42	22.55	22.46	
10	16QAM	50	0	22.39	22.39	22.56	
10	64QAM	1	0	22.26	22.36	22.46	23.7
10	64QAM	1	25	22.22	22.36	22.39	
10	64QAM	1	49	22.41	22.21	22.43	
10	64QAM	25	0	21.43	21.61	21.44	22.7
10	64QAM	25	12	21.57	21.53	21.35	
10	64QAM	25	25	21.33	21.49	21.41	
10	64QAM	50	0	21.45	21.40	21.42	
10	256QAM	1	0	19.46	19.70	19.79	20.7
10	256QAM	1	25	19.03	19.40	19.55	
10	256QAM	1	49	18.96	19.30	19.45	
10	256QAM	25	0	17.28	17.58	17.71	18.7
10	256QAM	25	12	17.36	17.60	17.76	
10	256QAM	25	25	17.32	17.58	17.51	
10	256QAM	50	0	17.21	17.56	17.62	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.54	24.49	24.50	25.7
5	QPSK	1	12	24.45	24.34	24.37	
5	QPSK	1	24	24.46	24.32	24.29	
5	QPSK	12	0	23.39	23.47	23.39	24.7
5	QPSK	12	7	23.49	23.53	23.32	
5	QPSK	12	13	23.31	23.44	23.30	
5	QPSK	25	0	23.43	23.42	23.48	
5	16QAM	1	0	23.61	23.62	23.53	24.7
5	16QAM	1	12	23.67	23.43	23.41	
5	16QAM	1	24	23.47	23.42	23.36	
5	16QAM	12	0	22.43	22.41	22.32	23.7
5	16QAM	12	7	22.56	22.56	22.51	
5	16QAM	12	13	22.44	22.51	22.39	
5	16QAM	25	0	22.34	22.40	22.52	
5	64QAM	1	0	22.29	22.43	22.40	23.7
5	64QAM	1	12	22.39	22.28	22.38	
5	64QAM	1	24	22.41	22.32	22.38	
5	64QAM	12	0	21.47	21.51	21.50	22.7
5	64QAM	12	7	21.42	21.55	21.52	
5	64QAM	12	13	21.43	21.42	21.39	
5	64QAM	25	0	21.52	21.51	21.52	
5	256QAM	1	0	19.42	19.68	19.78	20.7
5	256QAM	1	12	19.03	19.30	19.38	
5	256QAM	1	24	18.87	19.32	19.44	
5	256QAM	12	0	17.35	17.65	17.65	18.7
5	256QAM	12	7	17.30	17.64	17.75	
5	256QAM	12	13	17.22	17.45	17.48	
5	256QAM	25	0	17.19	17.44	17.47	

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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	20.86	20.82	20.84	20.9
20	QPSK	1	49	20.82	20.78	20.81	
20	QPSK	1	99	20.78	20.75	20.75	
20	QPSK	50	0	20.81	20.76	20.78	20.9
20	QPSK	50	24	20.79	20.74	20.78	
20	QPSK	50	50	20.76	20.75	20.77	
20	QPSK	100	0	20.73	20.74	20.80	
20	16QAM	1	0	20.69	20.68	20.66	20.9
20	16QAM	1	49	20.84	20.67	20.82	
20	16QAM	1	99	20.75	20.79	20.76	
20	16QAM	50	0	20.78	20.77	20.79	20.9
20	16QAM	50	24	20.73	20.77	20.77	
20	16QAM	50	50	20.72	20.74	20.76	
20	16QAM	100	0	20.76	20.77	20.78	
20	64QAM	1	0	20.76	20.71	20.59	20.9
20	64QAM	1	49	20.63	20.59	20.60	
20	64QAM	1	99	20.63	20.60	20.60	
20	64QAM	50	0	20.77	20.77	20.79	20.9
20	64QAM	50	24	20.77	20.77	20.75	
20	64QAM	50	50	20.73	20.73	20.73	
20	64QAM	100	0	20.73	20.75	20.79	
20	256QAM	1	0	19.46	19.82	20.02	20.7
20	256QAM	1	49	19.13	19.35	19.48	
20	256QAM	1	99	19.08	19.34	19.49	
20	256QAM	50	0	17.45	17.75	17.78	18.7
20	256QAM	50	24	17.36	17.75	17.76	
20	256QAM	50	50	17.15	17.54	17.56	
20	256QAM	100	0	17.41	17.62	17.79	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.70	20.82	20.83	20.9
15	QPSK	1	37	20.67	20.60	20.72	
15	QPSK	1	74	20.67	20.66	20.65	
15	QPSK	36	0	20.71	20.57	20.69	20.9
15	QPSK	36	20	20.70	20.61	20.62	
15	QPSK	36	39	20.63	20.72	20.64	
15	QPSK	75	0	20.64	20.56	20.61	
15	16QAM	1	0	20.54	20.52	20.51	20.9
15	16QAM	1	37	20.65	20.59	20.65	
15	16QAM	1	74	20.69	20.74	20.62	
15	16QAM	36	0	20.73	20.60	20.73	20.9
15	16QAM	36	20	20.66	20.66	20.69	
15	16QAM	36	39	20.58	20.70	20.58	
15	16QAM	75	0	20.62	20.76	20.60	
15	64QAM	1	0	20.76	20.66	20.53	20.9
15	64QAM	1	37	20.44	20.59	20.43	
15	64QAM	1	74	20.63	20.49	20.40	
15	64QAM	36	0	20.65	20.67	20.65	20.9
15	64QAM	36	20	20.73	20.66	20.71	
15	64QAM	36	39	20.73	20.58	20.71	
15	64QAM	75	0	20.56	20.71	20.59	
15	256QAM	1	0	19.34	19.62	19.88	20.7
15	256QAM	1	37	19.12	19.28	19.32	
15	256QAM	1	74	19.04	19.33	19.47	
15	256QAM	36	0	17.31	17.65	17.72	18.7
15	256QAM	36	20	17.18	17.58	17.68	
15	256QAM	36	39	17.13	17.52	17.44	

15	256QAM	75	0	17.40	17.61	17.60	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.85	20.78	20.72	20.9
10	QPSK	1	25	20.68	20.70	20.64	
10	QPSK	1	49	20.76	20.69	20.57	
10	QPSK	25	0	20.72	20.69	20.67	20.9
10	QPSK	25	12	20.79	20.64	20.73	
10	QPSK	25	25	20.67	20.72	20.68	
10	QPSK	50	0	20.60	20.62	20.62	
10	16QAM	1	0	20.69	20.50	20.56	20.9
10	16QAM	1	25	20.79	20.64	20.76	
10	16QAM	1	49	20.55	20.62	20.68	
10	16QAM	25	0	20.73	20.76	20.63	20.9
10	16QAM	25	12	20.53	20.70	20.63	
10	16QAM	25	25	20.58	20.55	20.70	
10	16QAM	50	0	20.67	20.62	20.76	
10	64QAM	1	0	20.70	20.69	20.46	20.9
10	64QAM	1	25	20.49	20.54	20.54	
10	64QAM	1	49	20.58	20.57	20.48	
10	64QAM	25	0	20.73	20.68	20.69	20.9
10	64QAM	25	12	20.77	20.73	20.59	
10	64QAM	25	25	20.66	20.62	20.73	
10	64QAM	50	0	20.53	20.59	20.76	
10	256QAM	1	0	19.33	19.80	19.91	20.7
10	256QAM	1	25	19.07	19.24	19.34	
10	256QAM	1	49	19.06	19.23	19.41	
10	256QAM	25	0	17.38	17.63	17.59	18.7
10	256QAM	25	12	17.18	17.70	17.60	
10	256QAM	25	25	17.06	17.53	17.46	
10	256QAM	50	0	17.35	17.55	17.65	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.79	20.79	20.84	20.9
5	QPSK	1	12	20.72	20.63	20.66	
5	QPSK	1	24	20.75	20.67	20.71	
5	QPSK	12	0	20.71	20.74	20.59	20.9
5	QPSK	12	7	20.73	20.67	20.61	
5	QPSK	12	13	20.67	20.66	20.60	
5	QPSK	25	0	20.53	20.65	20.64	
5	16QAM	1	0	20.67	20.52	20.65	20.9
5	16QAM	1	12	20.68	20.53	20.73	
5	16QAM	1	24	20.73	20.76	20.60	
5	16QAM	12	0	20.76	20.61	20.77	20.9
5	16QAM	12	7	20.54	20.57	20.66	
5	16QAM	12	13	20.69	20.64	20.69	
5	16QAM	25	0	20.67	20.66	20.78	
5	64QAM	1	0	20.62	20.63	20.45	20.9
5	64QAM	1	12	20.48	20.45	20.44	
5	64QAM	1	24	20.61	20.60	20.40	
5	64QAM	12	0	20.70	20.72	20.73	20.9
5	64QAM	12	7	20.66	20.61	20.61	
5	64QAM	12	13	20.73	20.61	20.68	
5	64QAM	25	0	20.67	20.66	20.63	
5	256QAM	1	0	19.30	19.63	19.96	20.7
5	256QAM	1	12	19.04	19.33	19.33	
5	256QAM	1	24	19.01	19.29	19.42	
5	256QAM	12	0	17.35	17.74	17.64	18.7
5	256QAM	12	7	17.19	17.63	17.67	
5	256QAM	12	13	17.10	17.43	17.42	
5	256QAM	25	0	17.38	17.56	17.72	

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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	21.96	21.95	21.94	23.1
20	QPSK	1	49	21.95	21.93	21.91	
20	QPSK	1	99	21.93	21.90	21.89	
20	QPSK	50	0	21.95	21.92	21.94	23.1
20	QPSK	50	24	21.94	21.94	21.91	
20	QPSK	50	50	21.91	21.91	21.90	
20	QPSK	100	0	21.90	21.90	21.92	
20	16QAM	1	0	21.89	21.84	21.73	23.1
20	16QAM	1	49	21.82	21.79	21.78	
20	16QAM	1	99	21.80	21.74	21.82	
20	16QAM	50	0	21.95	21.95	21.95	23.1
20	16QAM	50	24	21.90	21.94	21.91	
20	16QAM	50	50	21.90	21.93	21.90	
20	16QAM	100	0	21.90	21.91	21.91	
20	64QAM	1	0	21.84	21.90	21.81	23.1
20	64QAM	1	49	21.84	21.83	21.73	
20	64QAM	1	99	21.81	21.82	21.71	
20	64QAM	50	0	21.46	21.44	21.42	22.7
20	64QAM	50	24	21.43	21.42	21.41	
20	64QAM	50	50	21.40	21.40	21.40	
20	64QAM	100	0	21.39	21.44	21.39	
20	256QAM	1	0	19.55	19.76	19.96	20.7
20	256QAM	1	49	19.15	19.36	19.52	
20	256QAM	1	99	19.06	19.44	19.39	
20	256QAM	50	0	17.35	17.74	17.78	18.7
20	256QAM	50	24	17.40	17.66	17.66	
20	256QAM	50	50	17.24	17.62	17.65	
20	256QAM	100	0	17.34	17.54	17.74	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.86	21.75	21.94	23.1
15	QPSK	1	37	21.75	21.77	21.91	
15	QPSK	1	74	21.93	21.84	21.86	
15	QPSK	36	0	21.88	21.84	21.92	23.1
15	QPSK	36	20	21.78	21.90	21.71	
15	QPSK	36	39	21.88	21.75	21.75	
15	QPSK	75	0	21.84	21.72	21.88	
15	16QAM	1	0	21.88	21.84	21.64	23.1
15	16QAM	1	37	21.79	21.64	21.63	
15	16QAM	1	74	21.75	21.59	21.62	
15	16QAM	36	0	21.78	21.79	21.82	23.1
15	16QAM	36	20	21.81	21.76	21.72	
15	16QAM	36	39	21.82	21.86	21.86	
15	16QAM	75	0	21.76	21.75	21.73	
15	64QAM	1	0	21.79	21.76	21.65	23.1
15	64QAM	1	37	21.73	21.78	21.68	
15	64QAM	1	74	21.77	21.75	21.71	
15	64QAM	36	0	21.36	21.26	21.26	22.7
15	64QAM	36	20	21.31	21.22	21.38	
15	64QAM	36	39	21.28	21.37	21.38	
15	64QAM	75	0	21.23	21.36	21.35	
15	256QAM	1	0	19.44	19.62	19.84	20.7
15	256QAM	1	37	18.99	19.35	19.44	
15	256QAM	1	74	18.97	19.44	19.21	
15	256QAM	36	0	17.24	17.67	17.65	18.7
15	256QAM	36	20	17.28	17.58	17.66	
15	256QAM	36	39	17.07	17.46	17.64	

15	256QAM	75	0	17.20	17.49	17.73	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.92	21.80	21.77	23.1
10	QPSK	1	25	21.87	21.82	21.83	
10	QPSK	1	49	21.81	21.89	21.75	
10	QPSK	25	0	21.77	21.84	21.75	23.1
10	QPSK	25	12	21.74	21.90	21.84	
10	QPSK	25	25	21.80	21.80	21.79	
10	QPSK	50	0	21.90	21.86	21.92	
10	16QAM	1	0	21.85	21.68	21.62	23.1
10	16QAM	1	25	21.69	21.77	21.77	
10	16QAM	1	49	21.78	21.70	21.66	
10	16QAM	25	0	21.86	21.86	21.95	23.1
10	16QAM	25	12	21.75	21.79	21.71	
10	16QAM	25	25	21.81	21.81	21.75	
10	16QAM	50	0	21.76	21.83	21.84	
10	64QAM	1	0	21.78	21.86	21.70	23.1
10	64QAM	1	25	21.76	21.73	21.55	
10	64QAM	1	49	21.65	21.75	21.69	
10	64QAM	25	0	21.41	21.25	21.22	22.7
10	64QAM	25	12	21.29	21.23	21.22	
10	64QAM	25	25	21.26	21.28	21.20	
10	64QAM	50	0	21.27	21.43	21.27	
10	256QAM	1	0	19.46	19.60	19.94	20.7
10	256QAM	1	25	18.95	19.18	19.36	
10	256QAM	1	49	18.94	19.41	19.38	
10	256QAM	25	0	17.26	17.58	17.73	18.7
10	256QAM	25	12	17.20	17.47	17.49	
10	256QAM	25	25	17.20	17.47	17.62	
10	256QAM	50	0	17.14	17.38	17.54	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.77	21.92	21.77	23.1
5	QPSK	1	12	21.80	21.75	21.88	
5	QPSK	1	24	21.93	21.83	21.79	
5	QPSK	12	0	21.87	21.77	21.82	23.1
5	QPSK	12	7	21.87	21.74	21.74	
5	QPSK	12	13	21.78	21.85	21.82	
5	QPSK	25	0	21.80	21.84	21.92	
5	16QAM	1	0	21.77	21.67	21.72	23.1
5	16QAM	1	12	21.71	21.77	21.68	
5	16QAM	1	24	21.68	21.71	21.82	
5	16QAM	12	0	21.83	21.80	21.84	23.1
5	16QAM	12	7	21.74	21.84	21.77	
5	16QAM	12	13	21.74	21.81	21.88	
5	16QAM	25	0	21.87	21.72	21.71	
5	64QAM	1	0	21.68	21.77	21.68	23.1
5	64QAM	1	12	21.83	21.68	21.63	
5	64QAM	1	24	21.62	21.68	21.58	
5	64QAM	12	0	21.46	21.27	21.22	22.7
5	64QAM	12	7	21.24	21.36	21.21	
5	64QAM	12	13	21.30	21.24	21.27	
5	64QAM	25	0	21.39	21.26	21.22	
5	256QAM	1	0	19.44	19.65	19.83	20.7
5	256QAM	1	12	19.04	19.22	19.43	
5	256QAM	1	24	19.06	19.35	19.22	
5	256QAM	12	0	17.28	17.55	17.77	18.7
5	256QAM	12	7	17.20	17.52	17.63	
5	256QAM	12	13	17.19	17.50	17.47	
5	256QAM	25	0	17.31	17.35	17.56	

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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	21.96	21.95	21.94	22.3
20	QPSK	1	49	21.95	21.93	21.91	
20	QPSK	1	99	21.93	21.90	21.89	
20	QPSK	50	0	21.95	21.92	21.94	22.3
20	QPSK	50	24	21.94	21.94	21.91	
20	QPSK	50	50	21.91	21.91	21.90	
20	QPSK	100	0	21.90	21.90	21.92	
20	16QAM	1	0	21.89	21.84	21.73	22.3
20	16QAM	1	49	21.82	21.79	21.78	
20	16QAM	1	99	21.80	21.74	21.82	
20	16QAM	50	0	21.95	21.95	21.95	22.3
20	16QAM	50	24	21.90	21.94	21.91	
20	16QAM	50	50	21.90	21.93	21.90	
20	16QAM	100	0	21.90	21.91	21.91	
20	64QAM	1	0	21.84	21.90	21.81	22.3
20	64QAM	1	49	21.84	21.83	21.73	
20	64QAM	1	99	21.81	21.82	21.71	
20	64QAM	50	0	21.46	21.44	21.42	22.3
20	64QAM	50	24	21.43	21.42	21.41	
20	64QAM	50	50	21.40	21.40	21.40	
20	64QAM	100	0	21.39	21.44	21.39	
20	256QAM	1	0	19.55	19.76	19.96	20.7
20	256QAM	1	49	19.15	19.36	19.52	
20	256QAM	1	99	19.06	19.44	19.39	
20	256QAM	50	0	17.35	17.74	17.78	18.7
20	256QAM	50	24	17.40	17.66	17.66	
20	256QAM	50	50	17.24	17.62	17.65	
20	256QAM	100	0	17.34	17.54	17.74	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.86	21.75	21.94	22.3
15	QPSK	1	37	21.75	21.77	21.91	
15	QPSK	1	74	21.93	21.84	21.86	
15	QPSK	36	0	21.88	21.84	21.92	22.3
15	QPSK	36	20	21.78	21.90	21.71	
15	QPSK	36	39	21.88	21.75	21.75	
15	QPSK	75	0	21.84	21.72	21.88	
15	16QAM	1	0	21.88	21.84	21.64	22.3
15	16QAM	1	37	21.79	21.64	21.63	
15	16QAM	1	74	21.75	21.59	21.62	
15	16QAM	36	0	21.78	21.79	21.82	22.3
15	16QAM	36	20	21.81	21.76	21.72	
15	16QAM	36	39	21.82	21.86	21.86	
15	16QAM	75	0	21.76	21.75	21.73	
15	64QAM	1	0	21.79	21.76	21.65	22.3
15	64QAM	1	37	21.73	21.78	21.68	
15	64QAM	1	74	21.77	21.75	21.71	
15	64QAM	36	0	21.36	21.26	21.26	22.3
15	64QAM	36	20	21.31	21.22	21.38	
15	64QAM	36	39	21.28	21.37	21.38	
15	64QAM	75	0	21.23	21.36	21.35	
15	256QAM	1	0	19.44	19.62	19.84	20.7
15	256QAM	1	37	18.99	19.35	19.44	
15	256QAM	1	74	18.97	19.44	19.21	
15	256QAM	36	0	17.24	17.67	17.65	18.7
15	256QAM	36	20	17.28	17.58	17.66	
15	256QAM	36	39	17.07	17.46	17.64	

15	256QAM	75	0	17.20	17.49	17.73	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.92	21.80	21.77	22.3
10	QPSK	1	25	21.87	21.82	21.83	
10	QPSK	1	49	21.81	21.89	21.75	
10	QPSK	25	0	21.77	21.84	21.75	22.3
10	QPSK	25	12	21.74	21.90	21.84	
10	QPSK	25	25	21.80	21.80	21.79	
10	QPSK	50	0	21.90	21.86	21.92	
10	16QAM	1	0	21.85	21.68	21.62	22.3
10	16QAM	1	25	21.69	21.77	21.77	
10	16QAM	1	49	21.78	21.70	21.66	
10	16QAM	25	0	21.86	21.86	21.95	22.3
10	16QAM	25	12	21.75	21.79	21.71	
10	16QAM	25	25	21.81	21.81	21.75	
10	16QAM	50	0	21.76	21.83	21.84	
10	64QAM	1	0	21.78	21.86	21.70	22.3
10	64QAM	1	25	21.76	21.73	21.55	
10	64QAM	1	49	21.65	21.75	21.69	
10	64QAM	25	0	21.41	21.25	21.22	22.3
10	64QAM	25	12	21.29	21.23	21.22	
10	64QAM	25	25	21.26	21.28	21.20	
10	64QAM	50	0	21.27	21.43	21.27	
10	256QAM	1	0	19.46	19.60	19.94	20.7
10	256QAM	1	25	18.95	19.18	19.36	
10	256QAM	1	49	18.94	19.41	19.38	
10	256QAM	25	0	17.26	17.58	17.73	18.7
10	256QAM	25	12	17.20	17.47	17.49	
10	256QAM	25	25	17.20	17.47	17.62	
10	256QAM	50	0	17.14	17.38	17.54	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.77	21.92	21.77	22.3
5	QPSK	1	12	21.80	21.75	21.88	
5	QPSK	1	24	21.93	21.83	21.79	
5	QPSK	12	0	21.87	21.77	21.82	22.3
5	QPSK	12	7	21.87	21.74	21.74	
5	QPSK	12	13	21.78	21.85	21.82	
5	QPSK	25	0	21.80	21.84	21.92	
5	16QAM	1	0	21.77	21.67	21.72	22.3
5	16QAM	1	12	21.71	21.77	21.68	
5	16QAM	1	24	21.68	21.71	21.82	
5	16QAM	12	0	21.83	21.80	21.84	22.3
5	16QAM	12	7	21.74	21.84	21.77	
5	16QAM	12	13	21.74	21.81	21.88	
5	16QAM	25	0	21.87	21.72	21.71	
5	64QAM	1	0	21.68	21.77	21.68	22.3
5	64QAM	1	12	21.83	21.68	21.63	
5	64QAM	1	24	21.62	21.68	21.58	
5	64QAM	12	0	21.46	21.27	21.22	22.3
5	64QAM	12	7	21.24	21.36	21.21	
5	64QAM	12	13	21.30	21.24	21.27	
5	64QAM	25	0	21.39	21.26	21.22	
5	256QAM	1	0	19.44	19.65	19.83	20.7
5	256QAM	1	12	19.04	19.22	19.43	
5	256QAM	1	24	19.06	19.35	19.22	
5	256QAM	12	0	17.28	17.55	17.77	18.7
5	256QAM	12	7	17.20	17.52	17.63	
5	256QAM	12	13	17.19	17.50	17.47	
5	256QAM	25	0	17.31	17.35	17.56	

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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	19.68	19.79	19.85	20.3
20	QPSK	1	49	19.71	19.59	19.73	
20	QPSK	1	99	19.54	19.65	19.55	
20	QPSK	50	0	19.58	19.81	19.55	20.3
20	QPSK	50	24	19.45	19.51	19.45	
20	QPSK	50	50	19.58	19.78	19.64	
20	QPSK	100	0	19.68	19.80	19.63	
20	16QAM	1	0	19.66	19.60	19.51	20.3
20	16QAM	1	49	19.60	19.69	19.36	
20	16QAM	1	99	19.73	19.72	19.68	
20	16QAM	50	0	19.43	19.64	19.51	20.3
20	16QAM	50	24	19.72	19.49	19.76	
20	16QAM	50	50	19.48	19.84	19.60	
20	16QAM	100	0	19.77	19.69	19.58	
20	64QAM	1	0	19.61	19.58	19.66	20.3
20	64QAM	1	49	19.56	19.81	19.75	
20	64QAM	1	99	19.45	19.61	19.68	
20	64QAM	50	0	19.80	19.47	19.54	20.3
20	64QAM	50	24	19.72	19.76	19.60	
20	64QAM	50	50	19.54	19.71	19.57	
20	64QAM	100	0	19.74	19.68	19.61	
20	256QAM	1	0	19.31	19.30	19.23	20.3
20	256QAM	1	49	18.79	19.02	19.06	
20	256QAM	1	99	18.60	18.84	18.86	
20	256QAM	50	0	16.96	17.38	17.26	18.7
20	256QAM	50	24	17.06	17.44	17.39	
20	256QAM	50	50	17.12	17.35	17.27	
20	256QAM	100	0	16.93	17.46	17.13	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.58	19.70	19.69	20.3
15	QPSK	1	37	19.66	19.58	19.69	
15	QPSK	1	74	19.39	19.62	19.50	
15	QPSK	36	0	19.41	19.64	19.41	20.3
15	QPSK	36	20	19.36	19.44	19.36	
15	QPSK	36	39	19.41	19.62	19.55	
15	QPSK	75	0	19.66	19.80	19.52	
15	16QAM	1	0	19.47	19.55	19.44	20.3
15	16QAM	1	37	19.56	19.61	19.19	
15	16QAM	1	74	19.65	19.64	19.57	
15	16QAM	36	0	19.43	19.57	19.48	20.3
15	16QAM	36	20	19.70	19.40	19.57	
15	16QAM	36	39	19.41	19.84	19.41	
15	16QAM	75	0	19.70	19.63	19.56	
15	64QAM	1	0	19.48	19.38	19.56	20.3
15	64QAM	1	37	19.45	19.63	19.55	
15	64QAM	1	74	19.28	19.47	19.63	
15	64QAM	36	0	19.77	19.42	19.41	20.3
15	64QAM	36	20	19.67	19.58	19.44	
15	64QAM	36	39	19.46	19.51	19.42	
15	64QAM	75	0	19.61	19.60	19.48	
15	256QAM	1	0	19.13	19.18	19.15	20.3
15	256QAM	1	37	18.60	19.01	18.94	
15	256QAM	1	74	18.63	18.72	18.84	
15	256QAM	36	0	16.93	17.18	17.17	18.7
15	256QAM	36	20	16.96	17.33	17.32	
15	256QAM	36	39	16.98	17.28	17.25	

15	256QAM	75	0	16.82	17.43	16.94	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.56	19.73	19.79	20.3
10	QPSK	1	25	19.70	19.41	19.70	
10	QPSK	1	49	19.52	19.54	19.43	
10	QPSK	25	0	19.52	19.71	19.50	20.3
10	QPSK	25	12	19.26	19.41	19.37	
10	QPSK	25	25	19.56	19.77	19.53	
10	QPSK	50	0	19.68	19.70	19.43	
10	16QAM	1	0	19.52	19.41	19.40	20.3
10	16QAM	1	25	19.51	19.63	19.22	
10	16QAM	1	49	19.72	19.56	19.50	
10	16QAM	25	0	19.28	19.50	19.42	20.3
10	16QAM	25	12	19.69	19.41	19.72	
10	16QAM	25	25	19.41	19.74	19.40	
10	16QAM	50	0	19.61	19.54	19.55	
10	64QAM	1	0	19.49	19.52	19.57	20.3
10	64QAM	1	25	19.41	19.79	19.63	
10	64QAM	1	49	19.41	19.60	19.57	
10	64QAM	25	0	19.76	19.43	19.40	20.3
10	64QAM	25	12	19.57	19.57	19.60	
10	64QAM	25	25	19.34	19.58	19.37	
10	64QAM	50	0	19.54	19.66	19.58	
10	256QAM	1	0	19.20	19.16	19.05	20.3
10	256QAM	1	25	18.72	18.94	18.88	
10	256QAM	1	49	18.62	18.82	18.80	
10	256QAM	25	0	16.95	17.18	17.16	18.7
10	256QAM	25	12	16.93	17.36	17.28	
10	256QAM	25	25	17.10	17.16	17.25	
10	256QAM	50	0	16.77	17.45	16.98	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.58	19.75	19.83	20.3
5	QPSK	1	12	19.64	19.52	19.69	
5	QPSK	1	24	19.44	19.65	19.43	
5	QPSK	12	0	19.53	19.80	19.47	20.3
5	QPSK	12	7	19.43	19.48	19.31	
5	QPSK	12	13	19.50	19.74	19.54	
5	QPSK	25	0	19.52	19.69	19.46	
5	16QAM	1	0	19.64	19.59	19.41	20.3
5	16QAM	1	12	19.54	19.60	19.16	
5	16QAM	1	24	19.61	19.54	19.67	
5	16QAM	12	0	19.25	19.58	19.47	20.3
5	16QAM	12	7	19.61	19.32	19.62	
5	16QAM	12	13	19.35	19.78	19.46	
5	16QAM	25	0	19.76	19.55	19.50	
5	64QAM	1	0	19.43	19.41	19.59	20.3
5	64QAM	1	12	19.40	19.79	19.58	
5	64QAM	1	24	19.35	19.48	19.61	
5	64QAM	12	0	19.73	19.29	19.38	20.3
5	64QAM	12	7	19.69	19.76	19.51	
5	64QAM	12	13	19.47	19.60	19.47	
5	64QAM	25	0	19.55	19.53	19.45	
5	256QAM	1	0	19.28	19.19	19.19	20.3
5	256QAM	1	12	18.79	18.98	19.00	
5	256QAM	1	24	18.78	18.79	18.86	
5	256QAM	12	0	16.80	17.27	17.22	18.7
5	256QAM	12	7	17.00	17.37	17.35	
5	256QAM	12	13	17.10	17.33	17.25	
5	256QAM	25	0	16.90	17.30	17.01	

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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	20.82	20.84	20.65	22
20	QPSK	1	49	20.75	20.64	20.74	
20	QPSK	1	99	20.52	20.82	20.69	
20	QPSK	50	0	20.70	20.81	20.83	22
20	QPSK	50	24	20.64	20.70	20.63	
20	QPSK	50	50	20.53	20.69	20.65	
20	QPSK	100	0	20.75	20.75	20.73	
20	16QAM	1	0	20.73	20.54	20.59	22
20	16QAM	1	49	20.67	20.68	20.54	
20	16QAM	1	99	20.66	20.77	20.73	
20	16QAM	50	0	20.54	20.59	20.63	22
20	16QAM	50	24	20.80	20.60	20.72	
20	16QAM	50	50	20.58	20.74	20.61	
20	16QAM	100	0	20.81	20.75	20.64	
20	64QAM	1	0	20.77	20.75	20.64	22
20	64QAM	1	49	20.70	20.74	20.67	
20	64QAM	1	99	20.70	20.71	20.58	
20	64QAM	50	0	20.73	20.73	20.71	22
20	64QAM	50	24	20.69	20.80	20.55	
20	64QAM	50	50	20.56	20.73	20.51	
20	64QAM	100	0	20.62	20.59	20.69	
20	256QAM	1	0	19.39	19.56	19.20	20.7
20	256QAM	1	49	18.94	19.21	18.96	
20	256QAM	1	99	18.77	19.03	18.94	
20	256QAM	50	0	17.14	17.45	17.34	18.7
20	256QAM	50	24	17.07	17.31	17.33	
20	256QAM	50	50	17.11	17.52	17.18	
20	256QAM	100	0	16.94	17.43	17.18	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.69	20.83	20.61	22
15	QPSK	1	37	20.75	20.63	20.69	
15	QPSK	1	74	20.45	20.75	20.60	
15	QPSK	36	0	20.52	20.65	20.67	22
15	QPSK	36	20	20.57	20.54	20.51	
15	QPSK	36	39	20.35	20.59	20.47	
15	QPSK	75	0	20.56	20.68	20.53	
15	16QAM	1	0	20.65	20.37	20.50	22
15	16QAM	1	37	20.66	20.51	20.43	
15	16QAM	1	74	20.59	20.77	20.69	
15	16QAM	36	0	20.38	20.42	20.56	22
15	16QAM	36	20	20.72	20.50	20.65	
15	16QAM	36	39	20.39	20.73	20.44	
15	16QAM	75	0	20.81	20.56	20.62	
15	64QAM	1	0	20.57	20.75	20.57	22
15	64QAM	1	37	20.62	20.69	20.67	
15	64QAM	1	74	20.62	20.64	20.52	
15	64QAM	36	0	20.72	20.58	20.65	22
15	64QAM	36	20	20.54	20.60	20.46	
15	64QAM	36	39	20.44	20.66	20.36	
15	64QAM	75	0	20.47	20.54	20.54	
15	256QAM	1	0	19.37	19.40	19.16	20.7
15	256QAM	1	37	18.85	19.02	18.80	
15	256QAM	1	74	18.85	18.94	18.88	
15	256QAM	36	0	17.01	17.36	17.25	18.7
15	256QAM	36	20	17.07	17.18	17.26	
15	256QAM	36	39	16.96	17.48	17.09	

15	256QAM	75	0	16.86	17.33	17.02	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.75	20.74	20.60	22
10	QPSK	1	25	20.65	20.49	20.70	
10	QPSK	1	49	20.35	20.79	20.61	
10	QPSK	25	0	20.62	20.62	20.82	22
10	QPSK	25	12	20.48	20.53	20.54	
10	QPSK	25	25	20.53	20.64	20.53	
10	QPSK	50	0	20.62	20.62	20.61	
10	16QAM	1	0	20.59	20.47	20.54	22
10	16QAM	1	25	20.56	20.50	20.35	
10	16QAM	1	49	20.54	20.62	20.60	
10	16QAM	25	0	20.42	20.56	20.43	22
10	16QAM	25	12	20.60	20.55	20.63	
10	16QAM	25	25	20.53	20.60	20.50	
10	16QAM	50	0	20.63	20.67	20.53	
10	64QAM	1	0	20.77	20.58	20.56	22
10	64QAM	1	25	20.70	20.54	20.62	
10	64QAM	1	49	20.62	20.67	20.42	
10	64QAM	25	0	20.73	20.63	20.60	22
10	64QAM	25	12	20.49	20.78	20.49	
10	64QAM	25	25	20.51	20.69	20.35	
10	64QAM	50	0	20.61	20.50	20.55	
10	256QAM	1	0	19.28	19.43	19.00	20.7
10	256QAM	1	25	18.92	19.14	18.84	
10	256QAM	1	49	18.83	19.02	18.86	
10	256QAM	25	0	17.02	17.36	17.31	18.7
10	256QAM	25	12	16.98	17.12	17.15	
10	256QAM	25	25	17.02	17.40	16.98	
10	256QAM	50	0	16.82	17.30	17.12	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.67	20.71	20.49	22
5	QPSK	1	12	20.55	20.49	20.70	
5	QPSK	1	24	20.38	20.72	20.69	
5	QPSK	12	0	20.55	20.75	20.68	22
5	QPSK	12	7	20.62	20.60	20.57	
5	QPSK	12	13	20.48	20.59	20.47	
5	QPSK	25	0	20.70	20.67	20.54	
5	16QAM	1	0	20.57	20.46	20.51	22
5	16QAM	1	12	20.58	20.63	20.46	
5	16QAM	1	24	20.56	20.68	20.66	
5	16QAM	12	0	20.49	20.50	20.52	22
5	16QAM	12	7	20.74	20.45	20.65	
5	16QAM	12	13	20.46	20.57	20.48	
5	16QAM	25	0	20.81	20.73	20.55	
5	64QAM	1	0	20.67	20.61	20.53	22
5	64QAM	1	12	20.50	20.60	20.60	
5	64QAM	1	24	20.59	20.57	20.43	
5	64QAM	12	0	20.59	20.62	20.65	22
5	64QAM	12	7	20.68	20.66	20.39	
5	64QAM	12	13	20.47	20.73	20.48	
5	64QAM	25	0	20.50	20.55	20.51	
5	256QAM	1	0	19.26	19.54	19.15	20.7
5	256QAM	1	12	18.76	19.05	18.77	
5	256QAM	1	24	18.87	18.87	18.75	
5	256QAM	12	0	16.99	17.38	17.31	18.7
5	256QAM	12	7	17.07	17.24	17.29	
5	256QAM	12	13	17.09	17.34	17.18	
5	256QAM	25	0	16.76	17.26	17.02	

<LTE Band 38_Ant 2_TX0_Index 11>

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	20.82	20.84	20.65	21.2
20	QPSK	1	49	20.75	20.64	20.74	
20	QPSK	1	99	20.52	20.82	20.69	
20	QPSK	50	0	20.70	20.81	20.83	21.2
20	QPSK	50	24	20.64	20.70	20.63	
20	QPSK	50	50	20.53	20.69	20.65	
20	QPSK	100	0	20.75	20.75	20.73	
20	16QAM	1	0	20.73	20.54	20.59	21.2
20	16QAM	1	49	20.67	20.68	20.54	
20	16QAM	1	99	20.66	20.77	20.73	
20	16QAM	50	0	20.54	20.59	20.63	21.2
20	16QAM	50	24	20.80	20.60	20.72	
20	16QAM	50	50	20.58	20.74	20.61	
20	16QAM	100	0	20.81	20.75	20.64	
20	64QAM	1	0	20.77	20.75	20.64	21.2
20	64QAM	1	49	20.70	20.74	20.67	
20	64QAM	1	99	20.70	20.71	20.58	
20	64QAM	50	0	20.73	20.73	20.71	21.2
20	64QAM	50	24	20.69	20.80	20.55	
20	64QAM	50	50	20.56	20.73	20.51	
20	64QAM	100	0	20.62	20.59	20.69	
20	256QAM	1	0	19.39	19.56	19.20	20.7
20	256QAM	1	49	18.94	19.21	18.96	
20	256QAM	1	99	18.77	19.03	18.94	
20	256QAM	50	0	17.14	17.45	17.34	18.7
20	256QAM	50	24	17.07	17.31	17.33	
20	256QAM	50	50	17.11	17.52	17.18	
20	256QAM	100	0	16.94	17.43	17.18	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.69	20.83	20.61	21.2
15	QPSK	1	37	20.75	20.63	20.69	
15	QPSK	1	74	20.45	20.75	20.60	
15	QPSK	36	0	20.52	20.65	20.67	21.2
15	QPSK	36	20	20.57	20.54	20.51	
15	QPSK	36	39	20.35	20.59	20.47	
15	QPSK	75	0	20.56	20.68	20.53	
15	16QAM	1	0	20.65	20.37	20.50	21.2
15	16QAM	1	37	20.66	20.51	20.43	
15	16QAM	1	74	20.59	20.77	20.69	
15	16QAM	36	0	20.38	20.42	20.56	21.2
15	16QAM	36	20	20.72	20.50	20.65	
15	16QAM	36	39	20.39	20.73	20.44	
15	16QAM	75	0	20.81	20.56	20.62	
15	64QAM	1	0	20.57	20.75	20.57	21.2
15	64QAM	1	37	20.62	20.69	20.67	
15	64QAM	1	74	20.62	20.64	20.52	
15	64QAM	36	0	20.72	20.58	20.65	21.2
15	64QAM	36	20	20.54	20.60	20.46	
15	64QAM	36	39	20.44	20.66	20.36	
15	64QAM	75	0	20.47	20.54	20.54	
15	256QAM	1	0	19.37	19.40	19.16	20.7
15	256QAM	1	37	18.85	19.02	18.80	
15	256QAM	1	74	18.85	18.94	18.88	
15	256QAM	36	0	17.01	17.36	17.25	18.7
15	256QAM	36	20	17.07	17.18	17.26	
15	256QAM	36	39	16.96	17.48	17.09	

15	256QAM	75	0	16.86	17.33	17.02	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.75	20.74	20.60	21.2
10	QPSK	1	25	20.65	20.49	20.70	
10	QPSK	1	49	20.35	20.79	20.61	
10	QPSK	25	0	20.62	20.62	20.82	21.2
10	QPSK	25	12	20.48	20.53	20.54	
10	QPSK	25	25	20.53	20.64	20.53	
10	QPSK	50	0	20.62	20.62	20.61	
10	16QAM	1	0	20.59	20.47	20.54	21.2
10	16QAM	1	25	20.56	20.50	20.35	
10	16QAM	1	49	20.54	20.62	20.60	
10	16QAM	25	0	20.42	20.56	20.43	21.2
10	16QAM	25	12	20.60	20.55	20.63	
10	16QAM	25	25	20.53	20.60	20.50	
10	16QAM	50	0	20.63	20.67	20.53	
10	64QAM	1	0	20.77	20.58	20.56	21.2
10	64QAM	1	25	20.70	20.54	20.62	
10	64QAM	1	49	20.62	20.67	20.42	
10	64QAM	25	0	20.73	20.63	20.60	21.2
10	64QAM	25	12	20.49	20.78	20.49	
10	64QAM	25	25	20.51	20.69	20.35	
10	64QAM	50	0	20.61	20.50	20.55	
10	256QAM	1	0	19.28	19.43	19.00	20.7
10	256QAM	1	25	18.92	19.14	18.84	
10	256QAM	1	49	18.83	19.02	18.86	
10	256QAM	25	0	17.02	17.36	17.31	18.7
10	256QAM	25	12	16.98	17.12	17.15	
10	256QAM	25	25	17.02	17.40	16.98	
10	256QAM	50	0	16.82	17.30	17.12	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.67	20.71	20.49	21.2
5	QPSK	1	12	20.55	20.49	20.70	
5	QPSK	1	24	20.38	20.72	20.69	
5	QPSK	12	0	20.55	20.75	20.68	21.2
5	QPSK	12	7	20.62	20.60	20.57	
5	QPSK	12	13	20.48	20.59	20.47	
5	QPSK	25	0	20.70	20.67	20.54	
5	16QAM	1	0	20.57	20.46	20.51	21.2
5	16QAM	1	12	20.58	20.63	20.46	
5	16QAM	1	24	20.56	20.68	20.66	
5	16QAM	12	0	20.49	20.50	20.52	21.2
5	16QAM	12	7	20.74	20.45	20.65	
5	16QAM	12	13	20.46	20.57	20.48	
5	16QAM	25	0	20.81	20.73	20.55	
5	64QAM	1	0	20.67	20.61	20.53	21.2
5	64QAM	1	12	20.50	20.60	20.60	
5	64QAM	1	24	20.59	20.57	20.43	
5	64QAM	12	0	20.59	20.62	20.65	21.2
5	64QAM	12	7	20.68	20.66	20.39	
5	64QAM	12	13	20.47	20.73	20.48	
5	64QAM	25	0	20.50	20.55	20.51	
5	256QAM	1	0	19.26	19.54	19.15	20.7
5	256QAM	1	12	18.76	19.05	18.77	
5	256QAM	1	24	18.87	18.87	18.75	
5	256QAM	12	0	16.99	17.38	17.31	18.7
5	256QAM	12	7	17.07	17.24	17.29	
5	256QAM	12	13	17.09	17.34	17.18	
5	256QAM	25	0	16.76	17.26	17.02	

<LTE Band 38_HPUE_Ant 2_TX0_Index 2/3/7/8>

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	26.28	26.27	27.4
20	QPSK	1	49	26.21	26.25	26.17	
20	QPSK	1	99	26.10	26.13	26.14	
20	QPSK	50	0	25.35	25.28	25.26	26.4
20	QPSK	50	24	25.27	25.27	25.23	
20	QPSK	50	50	25.24	25.22	25.23	
20	QPSK	100	0	25.40	25.25	25.33	
20	16QAM	1	0	25.62	25.70	25.53	26.4
20	16QAM	1	49	25.62	25.43	25.36	
20	16QAM	1	99	25.57	25.39	25.36	
20	16QAM	50	0	24.26	24.37	24.23	25.4
20	16QAM	50	24	24.25	24.22	24.23	
20	16QAM	50	50	24.22	24.23	24.22	
20	16QAM	100	0	24.26	24.29	24.28	
20	64QAM	1	0	24.26	24.18	24.14	25.4
20	64QAM	1	49	24.38	24.09	24.10	
20	64QAM	1	99	24.23	24.14	24.10	
20	64QAM	50	0	23.29	23.33	23.27	24.4
20	64QAM	50	24	23.25	23.28	23.22	
20	64QAM	50	50	23.22	23.24	23.21	
20	64QAM	100	0	23.26	23.28	23.26	
20	256QAM	1	0	21.47	21.50	21.49	22.4
20	256QAM	1	49	21.33	21.40	21.39	
20	256QAM	1	99	21.13	21.20	21.16	
20	256QAM	50	0	19.36	19.43	19.38	20.4
20	256QAM	50	24	19.29	19.39	19.32	
20	256QAM	50	50	19.22	19.32	19.23	
20	256QAM	100	0	19.27	19.30	19.28	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	26.15	26.13	26.27	27.4
15	QPSK	1	37	26.11	26.08	25.97	
15	QPSK	1	74	26.10	26.10	26.07	
15	QPSK	36	0	25.33	25.20	25.07	26.4
15	QPSK	36	20	25.12	25.25	25.22	
15	QPSK	36	39	25.09	25.07	25.07	
15	QPSK	75	0	25.23	25.24	25.27	
15	16QAM	1	0	25.62	25.56	25.53	26.4
15	16QAM	1	37	25.47	25.31	25.19	
15	16QAM	1	74	25.43	25.27	25.19	
15	16QAM	36	0	24.17	24.25	24.20	25.4
15	16QAM	36	20	24.15	24.11	24.21	
15	16QAM	36	39	24.05	24.17	24.12	
15	16QAM	75	0	24.16	24.24	24.13	
15	64QAM	1	0	24.14	24.15	23.94	25.4
15	64QAM	1	37	24.35	23.94	23.96	
15	64QAM	1	74	24.03	24.06	24.06	
15	64QAM	36	0	23.13	23.26	23.07	24.4
15	64QAM	36	20	23.17	23.11	23.18	
15	64QAM	36	39	23.13	23.05	23.10	
15	64QAM	75	0	23.06	23.19	23.16	
15	256QAM	1	0	21.44	21.50	21.32	22.4
15	256QAM	1	37	21.27	21.25	21.22	
15	256QAM	1	74	21.03	21.03	21.01	
15	256QAM	36	0	19.32	19.36	19.23	20.4
15	256QAM	36	20	19.15	19.22	19.26	
15	256QAM	36	39	19.11	19.23	19.08	

15	256QAM	75	0	19.22	19.29	19.22	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	26.28	26.28	26.12	27.4
10	QPSK	1	25	26.07	26.15	26.14	
10	QPSK	1	49	26.06	26.07	26.04	
10	QPSK	25	0	25.28	25.21	25.07	26.4
10	QPSK	25	12	25.08	25.26	25.13	
10	QPSK	25	25	25.19	25.21	25.07	
10	QPSK	50	0	25.21	25.23	25.33	
10	16QAM	1	0	25.46	25.59	25.41	26.4
10	16QAM	1	25	25.52	25.41	25.31	
10	16QAM	1	49	25.42	25.21	25.26	
10	16QAM	25	0	24.10	24.34	24.06	25.4
10	16QAM	25	12	24.16	24.14	24.04	
10	16QAM	25	25	24.04	24.14	24.15	
10	16QAM	50	0	24.23	24.15	24.15	
10	64QAM	1	0	24.21	24.03	23.97	25.4
10	64QAM	1	25	24.27	23.94	23.98	
10	64QAM	1	49	24.18	24.11	23.98	
10	64QAM	25	0	23.20	23.13	23.23	24.4
10	64QAM	25	12	23.07	23.20	23.05	
10	64QAM	25	25	23.18	23.13	23.18	
10	64QAM	50	0	23.26	23.18	23.15	
10	256QAM	1	0	21.47	21.49	21.31	22.4
10	256QAM	1	25	21.25	21.20	21.32	
10	256QAM	1	49	21.13	21.00	20.96	
10	256QAM	25	0	19.22	19.29	19.32	20.4
10	256QAM	25	12	19.16	19.31	19.31	
10	256QAM	25	25	19.21	19.24	19.16	
10	256QAM	50	0	19.21	19.22	19.20	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	26.27	26.15	26.12	27.4
5	QPSK	1	12	26.06	26.09	26.14	
5	QPSK	1	24	25.94	26.02	26.05	
5	QPSK	12	0	25.26	25.25	25.22	26.4
5	QPSK	12	7	25.21	25.08	25.14	
5	QPSK	12	13	25.05	25.12	25.04	
5	QPSK	25	0	25.20	25.05	25.27	
5	16QAM	1	0	25.47	25.52	25.33	26.4
5	16QAM	1	12	25.49	25.39	25.30	
5	16QAM	1	24	25.57	25.19	25.35	
5	16QAM	12	0	24.19	24.30	24.22	25.4
5	16QAM	12	7	24.15	24.16	24.04	
5	16QAM	12	13	24.03	24.09	24.22	
5	16QAM	25	0	24.11	24.27	24.11	
5	64QAM	1	0	24.18	24.06	24.13	25.4
5	64QAM	1	12	24.21	24.04	23.95	
5	64QAM	1	24	24.23	24.09	23.93	
5	64QAM	12	0	23.28	23.31	23.20	24.4
5	64QAM	12	7	23.18	23.14	23.11	
5	64QAM	12	13	23.05	23.18	23.09	
5	64QAM	25	0	23.20	23.24	23.07	
5	256QAM	1	0	21.40	21.30	21.32	22.4
5	256QAM	1	12	21.33	21.26	21.22	
5	256QAM	1	24	20.93	21.09	21.13	
5	256QAM	12	0	19.24	19.36	19.24	20.4
5	256QAM	12	7	19.15	19.39	19.12	
5	256QAM	12	13	19.19	19.27	19.23	
5	256QAM	25	0	19.07	19.27	19.08	

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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	22.36	22.31	22.27	22.5
20	QPSK	1	49	22.30	22.27	22.16	
20	QPSK	1	99	22.19	22.26	22.22	
20	QPSK	50	0	22.34	22.29	22.35	22.5
20	QPSK	50	24	22.29	22.34	22.35	
20	QPSK	50	50	22.27	22.33	22.27	
20	QPSK	100	0	22.31	22.33	22.35	
20	16QAM	1	0	22.33	22.28	22.19	22.5
20	16QAM	1	49	22.27	22.26	22.33	
20	16QAM	1	99	22.21	22.23	22.12	
20	16QAM	50	0	22.26	22.30	22.35	22.5
20	16QAM	50	24	22.33	22.26	22.27	
20	16QAM	50	50	22.30	22.35	22.35	
20	16QAM	100	0	22.35	22.28	22.35	
20	64QAM	1	0	22.30	22.22	22.28	22.5
20	64QAM	1	49	22.29	22.26	22.28	
20	64QAM	1	99	22.18	22.23	22.31	
20	64QAM	50	0	22.35	22.27	22.27	22.5
20	64QAM	50	24	22.33	22.35	22.35	
20	64QAM	50	50	22.32	22.33	22.31	
20	64QAM	100	0	22.33	22.28	22.34	
20	256QAM	1	0	21.52	21.48	21.55	22.4
20	256QAM	1	49	21.36	21.45	21.29	
20	256QAM	1	99	21.20	21.33	21.19	
20	256QAM	50	0	19.54	19.42	19.57	20.4
20	256QAM	50	24	19.27	19.35	19.31	
20	256QAM	50	50	19.32	19.35	19.41	
20	256QAM	100	0	19.14	19.44	19.34	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.32	22.22	22.17	22.5
15	QPSK	1	37	22.14	22.18	21.96	
15	QPSK	1	74	22.18	22.06	22.07	
15	QPSK	36	0	22.30	22.21	22.28	22.5
15	QPSK	36	20	22.10	22.18	22.19	
15	QPSK	36	39	22.26	22.22	22.18	
15	QPSK	75	0	22.17	22.16	22.34	
15	16QAM	1	0	22.19	22.23	22.08	22.5
15	16QAM	1	37	22.15	22.15	22.25	
15	16QAM	1	74	22.12	22.18	21.95	
15	16QAM	36	0	22.20	22.14	22.31	22.5
15	16QAM	36	20	22.29	22.06	22.12	
15	16QAM	36	39	22.23	22.30	22.22	
15	16QAM	75	0	22.32	22.16	22.26	
15	64QAM	1	0	22.17	22.11	22.24	22.5
15	64QAM	1	37	22.13	22.13	22.11	
15	64QAM	1	74	22.10	22.16	22.14	
15	64QAM	36	0	22.17	22.09	22.08	22.5
15	64QAM	36	20	22.30	22.23	22.24	
15	64QAM	36	39	22.23	22.18	22.22	
15	64QAM	75	0	22.30	22.11	22.14	
15	256QAM	1	0	21.42	21.37	21.55	22.4
15	256QAM	1	37	21.27	21.32	21.16	
15	256QAM	1	74	21.19	21.33	21.02	
15	256QAM	36	0	19.39	19.33	19.56	20.4
15	256QAM	36	20	19.22	19.31	19.18	
15	256QAM	36	39	19.15	19.21	19.41	

15	256QAM	75	0	19.14	19.30	19.17	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.30	22.14	22.12	22.5
10	QPSK	1	25	22.29	22.12	22.15	
10	QPSK	1	49	22.06	22.21	22.07	
10	QPSK	25	0	22.30	22.19	22.32	22.5
10	QPSK	25	12	22.16	22.21	22.22	
10	QPSK	25	25	22.24	22.16	22.26	
10	QPSK	50	0	22.18	22.29	22.34	
10	16QAM	1	0	22.27	22.26	22.15	22.5
10	16QAM	1	25	22.13	22.23	22.13	
10	16QAM	1	49	22.18	22.06	21.96	
10	16QAM	25	0	22.06	22.19	22.30	22.5
10	16QAM	25	12	22.20	22.10	22.24	
10	16QAM	25	25	22.30	22.21	22.29	
10	16QAM	50	0	22.30	22.12	22.28	
10	64QAM	1	0	22.18	22.13	22.16	22.5
10	64QAM	1	25	22.18	22.06	22.16	
10	64QAM	1	49	22.17	22.06	22.30	
10	64QAM	25	0	22.19	22.16	22.17	22.5
10	64QAM	25	12	22.20	22.34	22.32	
10	64QAM	25	25	22.32	22.23	22.25	
10	64QAM	50	0	22.13	22.22	22.29	
10	256QAM	1	0	21.42	21.35	21.44	22.4
10	256QAM	1	25	21.36	21.35	21.14	
10	256QAM	1	49	21.17	21.18	21.14	
10	256QAM	25	0	19.53	19.33	19.39	20.4
10	256QAM	25	12	19.25	19.20	19.14	
10	256QAM	25	25	19.13	19.20	19.30	
10	256QAM	50	0	19.12	19.34	19.34	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.30	22.12	22.16	22.5
5	QPSK	1	12	22.28	22.20	22.16	
5	QPSK	1	24	22.01	22.11	22.07	
5	QPSK	12	0	22.34	22.29	22.30	22.5
5	QPSK	12	7	22.23	22.18	22.22	
5	QPSK	12	13	22.12	22.13	22.17	
5	QPSK	25	0	22.17	22.17	22.29	
5	16QAM	1	0	22.24	22.16	22.00	22.5
5	16QAM	1	12	22.09	22.11	22.18	
5	16QAM	1	24	22.19	22.03	21.95	
5	16QAM	12	0	22.09	22.13	22.19	22.5
5	16QAM	12	7	22.22	22.20	22.23	
5	16QAM	12	13	22.26	22.35	22.22	
5	16QAM	25	0	22.31	22.22	22.20	
5	64QAM	1	0	22.22	22.19	22.28	22.5
5	64QAM	1	12	22.29	22.11	22.28	
5	64QAM	1	24	22.05	22.16	22.15	
5	64QAM	12	0	22.21	22.16	22.07	22.5
5	64QAM	12	7	22.26	22.33	22.30	
5	64QAM	12	13	22.23	22.15	22.13	
5	64QAM	25	0	22.16	22.23	22.34	
5	256QAM	1	0	21.36	21.37	21.49	22.4
5	256QAM	1	12	21.18	21.31	21.23	
5	256QAM	1	24	21.11	21.16	21.04	
5	256QAM	12	0	19.35	19.36	19.38	20.4
5	256QAM	12	7	19.18	19.19	19.24	
5	256QAM	12	13	19.23	19.27	19.32	
5	256QAM	25	0	19.07	19.26	19.26	

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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	23.73	23.77	23.75	24.7
20	QPSK	1	49	23.76	23.76	23.67	
20	QPSK	1	99	23.63	23.66	23.69	
20	QPSK	50	0	23.76	23.75	23.73	24.7
20	QPSK	50	24	23.73	23.73	23.72	
20	QPSK	50	50	23.71	23.71	23.76	
20	QPSK	100	0	23.70	23.74	23.73	
20	16QAM	1	0	23.74	23.65	23.74	24.7
20	16QAM	1	49	23.69	23.64	23.73	
20	16QAM	1	99	23.61	23.58	23.61	
20	16QAM	50	0	23.68	23.68	23.72	24.7
20	16QAM	50	24	23.75	23.74	23.74	
20	16QAM	50	50	23.71	23.72	23.71	
20	16QAM	100	0	23.74	23.68	23.74	
20	64QAM	1	0	23.57	23.56	23.64	24.7
20	64QAM	1	49	23.56	23.58	23.58	
20	64QAM	1	99	23.50	23.51	23.59	
20	64QAM	50	0	23.74	23.71	23.73	24.4
20	64QAM	50	24	23.72	23.70	23.71	
20	64QAM	50	50	23.72	23.71	23.72	
20	64QAM	100	0	23.71	23.74	23.74	
20	256QAM	1	0	21.43	21.40	21.56	22.4
20	256QAM	1	49	21.29	21.41	21.30	
20	256QAM	1	99	21.13	21.30	21.14	
20	256QAM	50	0	19.45	19.50	19.47	20.4
20	256QAM	50	24	19.30	19.36	19.38	
20	256QAM	50	50	19.27	19.26	19.33	
20	256QAM	100	0	19.24	19.35	19.34	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.54	23.63	23.72	24.7
15	QPSK	1	37	23.70	23.58	23.53	
15	QPSK	1	74	23.46	23.52	23.60	
15	QPSK	36	0	23.57	23.58	23.72	24.7
15	QPSK	36	20	23.66	23.71	23.62	
15	QPSK	36	39	23.63	23.65	23.67	
15	QPSK	75	0	23.50	23.72	23.57	
15	16QAM	1	0	23.67	23.57	23.63	24.7
15	16QAM	1	37	23.50	23.62	23.67	
15	16QAM	1	74	23.49	23.45	23.51	
15	16QAM	36	0	23.63	23.50	23.56	24.7
15	16QAM	36	20	23.58	23.64	23.55	
15	16QAM	36	39	23.51	23.72	23.70	
15	16QAM	75	0	23.59	23.54	23.60	
15	64QAM	1	0	23.55	23.41	23.47	24.7
15	64QAM	1	37	23.38	23.45	23.42	
15	64QAM	1	74	23.36	23.42	23.48	
15	64QAM	36	0	23.62	23.68	23.61	24.4
15	64QAM	36	20	23.67	23.63	23.67	
15	64QAM	36	39	23.68	23.55	23.72	
15	64QAM	75	0	23.67	23.60	23.66	
15	256QAM	1	0	21.27	21.23	21.40	22.4
15	256QAM	1	37	21.12	21.22	21.30	
15	256QAM	1	74	21.09	21.26	20.99	
15	256QAM	36	0	19.26	19.46	19.30	20.4
15	256QAM	36	20	19.13	19.24	19.34	
15	256QAM	36	39	19.25	19.07	19.16	

15	256QAM	75	0	19.12	19.15	19.34	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.73	23.68	23.65	24.7
10	QPSK	1	25	23.62	23.62	23.66	
10	QPSK	1	49	23.51	23.60	23.66	
10	QPSK	25	0	23.65	23.70	23.60	24.7
10	QPSK	25	12	23.61	23.59	23.58	
10	QPSK	25	25	23.71	23.70	23.76	
10	QPSK	50	0	23.60	23.57	23.65	
10	16QAM	1	0	23.72	23.48	23.71	24.7
10	16QAM	1	25	23.60	23.61	23.68	
10	16QAM	1	49	23.44	23.50	23.42	
10	16QAM	25	0	23.64	23.58	23.60	24.7
10	16QAM	25	12	23.68	23.58	23.55	
10	16QAM	25	25	23.63	23.62	23.54	
10	16QAM	50	0	23.64	23.53	23.60	
10	64QAM	1	0	23.48	23.36	23.45	24.7
10	64QAM	1	25	23.47	23.48	23.53	
10	64QAM	1	49	23.35	23.42	23.39	
10	64QAM	25	0	23.65	23.71	23.72	24.4
10	64QAM	25	12	23.61	23.55	23.54	
10	64QAM	25	25	23.56	23.64	23.62	
10	64QAM	50	0	23.52	23.59	23.65	
10	256QAM	1	0	21.36	21.23	21.36	22.4
10	256QAM	1	25	21.18	21.29	21.27	
10	256QAM	1	49	20.93	21.21	21.09	
10	256QAM	25	0	19.25	19.44	19.46	20.4
10	256QAM	25	12	19.27	19.33	19.34	
10	256QAM	25	25	19.17	19.23	19.26	
10	256QAM	50	0	19.19	19.34	19.25	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.60	23.66	23.60	24.7
5	QPSK	1	12	23.64	23.74	23.63	
5	QPSK	1	24	23.58	23.66	23.56	
5	QPSK	12	0	23.57	23.58	23.68	24.7
5	QPSK	12	7	23.57	23.67	23.69	
5	QPSK	12	13	23.68	23.54	23.71	
5	QPSK	25	0	23.55	23.55	23.68	
5	16QAM	1	0	23.62	23.56	23.56	24.7
5	16QAM	1	12	23.63	23.51	23.58	
5	16QAM	1	24	23.44	23.39	23.48	
5	16QAM	12	0	23.49	23.68	23.56	24.7
5	16QAM	12	7	23.57	23.56	23.55	
5	16QAM	12	13	23.70	23.65	23.66	
5	16QAM	25	0	23.72	23.64	23.56	
5	64QAM	1	0	23.42	23.44	23.56	24.7
5	64QAM	1	12	23.36	23.54	23.58	
5	64QAM	1	24	23.30	23.46	23.52	
5	64QAM	12	0	23.59	23.62	23.70	24.4
5	64QAM	12	7	23.72	23.52	23.57	
5	64QAM	12	13	23.56	23.54	23.71	
5	64QAM	25	0	23.65	23.65	23.68	
5	256QAM	1	0	21.24	21.23	21.46	22.4
5	256QAM	1	12	21.24	21.39	21.12	
5	256QAM	1	24	20.99	21.17	20.97	
5	256QAM	12	0	19.39	19.36	19.41	20.4
5	256QAM	12	7	19.26	19.32	19.26	
5	256QAM	12	13	19.21	19.25	19.20	
5	256QAM	25	0	19.21	19.29	19.28	

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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	23.73	23.77	23.75	23.9
20	QPSK	1	49	23.76	23.76	23.67	
20	QPSK	1	99	23.63	23.66	23.69	
20	QPSK	50	0	23.76	23.75	23.73	23.9
20	QPSK	50	24	23.73	23.73	23.72	
20	QPSK	50	50	23.71	23.71	23.76	
20	QPSK	100	0	23.70	23.74	23.73	
20	16QAM	1	0	23.74	23.65	23.74	23.9
20	16QAM	1	49	23.69	23.64	23.73	
20	16QAM	1	99	23.61	23.58	23.61	
20	16QAM	50	0	23.68	23.68	23.72	23.9
20	16QAM	50	24	23.75	23.74	23.74	
20	16QAM	50	50	23.71	23.72	23.71	
20	16QAM	100	0	23.74	23.68	23.74	
20	64QAM	1	0	23.57	23.56	23.64	23.9
20	64QAM	1	49	23.56	23.58	23.58	
20	64QAM	1	99	23.50	23.51	23.59	
20	64QAM	50	0	23.74	23.71	23.73	23.9
20	64QAM	50	24	23.72	23.70	23.71	
20	64QAM	50	50	23.72	23.71	23.72	
20	64QAM	100	0	23.71	23.74	23.74	
20	256QAM	1	0	21.43	21.40	21.56	22.4
20	256QAM	1	49	21.29	21.41	21.30	
20	256QAM	1	99	21.13	21.30	21.14	
20	256QAM	50	0	19.45	19.50	19.47	20.4
20	256QAM	50	24	19.30	19.36	19.38	
20	256QAM	50	50	19.27	19.26	19.33	
20	256QAM	100	0	19.24	19.35	19.34	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.54	23.63	23.72	23.9
15	QPSK	1	37	23.70	23.58	23.53	
15	QPSK	1	74	23.46	23.52	23.60	
15	QPSK	36	0	23.57	23.58	23.72	23.9
15	QPSK	36	20	23.66	23.71	23.62	
15	QPSK	36	39	23.63	23.65	23.67	
15	QPSK	75	0	23.50	23.72	23.57	
15	16QAM	1	0	23.67	23.57	23.63	23.9
15	16QAM	1	37	23.50	23.62	23.67	
15	16QAM	1	74	23.49	23.45	23.51	
15	16QAM	36	0	23.63	23.50	23.56	23.9
15	16QAM	36	20	23.58	23.64	23.55	
15	16QAM	36	39	23.51	23.72	23.70	
15	16QAM	75	0	23.59	23.54	23.60	
15	64QAM	1	0	23.55	23.41	23.47	23.9
15	64QAM	1	37	23.38	23.45	23.42	
15	64QAM	1	74	23.36	23.42	23.48	
15	64QAM	36	0	23.62	23.68	23.61	23.9
15	64QAM	36	20	23.67	23.63	23.67	
15	64QAM	36	39	23.68	23.55	23.72	
15	64QAM	75	0	23.67	23.60	23.66	
15	256QAM	1	0	21.27	21.23	21.40	22.4
15	256QAM	1	37	21.12	21.22	21.30	
15	256QAM	1	74	21.09	21.26	20.99	
15	256QAM	36	0	19.26	19.46	19.30	20.4
15	256QAM	36	20	19.13	19.24	19.34	
15	256QAM	36	39	19.25	19.07	19.16	

15	256QAM	75	0	19.12	19.15	19.34	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.73	23.68	23.65	23.9
10	QPSK	1	25	23.62	23.62	23.66	
10	QPSK	1	49	23.51	23.60	23.66	
10	QPSK	25	0	23.65	23.70	23.60	23.9
10	QPSK	25	12	23.61	23.59	23.58	
10	QPSK	25	25	23.71	23.70	23.76	
10	QPSK	50	0	23.60	23.57	23.65	
10	16QAM	1	0	23.72	23.48	23.71	23.9
10	16QAM	1	25	23.60	23.61	23.68	
10	16QAM	1	49	23.44	23.50	23.42	
10	16QAM	25	0	23.64	23.58	23.60	23.9
10	16QAM	25	12	23.68	23.58	23.55	
10	16QAM	25	25	23.63	23.62	23.54	
10	16QAM	50	0	23.64	23.53	23.60	
10	64QAM	1	0	23.48	23.36	23.45	23.9
10	64QAM	1	25	23.47	23.48	23.53	
10	64QAM	1	49	23.35	23.42	23.39	
10	64QAM	25	0	23.65	23.71	23.72	23.9
10	64QAM	25	12	23.61	23.55	23.54	
10	64QAM	25	25	23.56	23.64	23.62	
10	64QAM	50	0	23.52	23.59	23.65	
10	256QAM	1	0	21.36	21.23	21.36	22.4
10	256QAM	1	25	21.18	21.29	21.27	
10	256QAM	1	49	20.93	21.21	21.09	
10	256QAM	25	0	19.25	19.44	19.46	20.4
10	256QAM	25	12	19.27	19.33	19.34	
10	256QAM	25	25	19.17	19.23	19.26	
10	256QAM	50	0	19.19	19.34	19.25	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.60	23.66	23.60	23.9
5	QPSK	1	12	23.64	23.74	23.63	
5	QPSK	1	24	23.58	23.66	23.56	
5	QPSK	12	0	23.57	23.58	23.68	23.9
5	QPSK	12	7	23.57	23.67	23.69	
5	QPSK	12	13	23.68	23.54	23.71	
5	QPSK	25	0	23.55	23.55	23.68	
5	16QAM	1	0	23.62	23.56	23.56	23.9
5	16QAM	1	12	23.63	23.51	23.58	
5	16QAM	1	24	23.44	23.39	23.48	
5	16QAM	12	0	23.49	23.68	23.56	23.9
5	16QAM	12	7	23.57	23.56	23.55	
5	16QAM	12	13	23.70	23.65	23.66	
5	16QAM	25	0	23.72	23.64	23.56	
5	64QAM	1	0	23.42	23.44	23.56	23.9
5	64QAM	1	12	23.36	23.54	23.58	
5	64QAM	1	24	23.30	23.46	23.52	
5	64QAM	12	0	23.59	23.62	23.70	23.9
5	64QAM	12	7	23.72	23.52	23.57	
5	64QAM	12	13	23.56	23.54	23.71	
5	64QAM	25	0	23.65	23.65	23.68	
5	256QAM	1	0	21.24	21.23	21.46	22.4
5	256QAM	1	12	21.24	21.39	21.12	
5	256QAM	1	24	20.99	21.17	20.97	
5	256QAM	12	0	19.39	19.36	19.41	20.4
5	256QAM	12	7	19.26	19.32	19.26	
5	256QAM	12	13	19.21	19.25	19.20	
5	256QAM	25	0	19.21	19.29	19.28	

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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	21.56	21.64	21.71	21.9
20	QPSK	1	49	21.59	21.55	21.62	
20	QPSK	1	99	21.55	21.66	21.68	
20	QPSK	50	0	21.52	21.62	21.56	21.9
20	QPSK	50	24	21.52	21.57	21.60	
20	QPSK	50	50	21.52	21.41	21.60	
20	QPSK	100	0	21.46	21.62	21.63	
20	16QAM	1	0	21.61	21.65	21.56	21.9
20	16QAM	1	49	21.63	21.64	21.68	
20	16QAM	1	99	21.47	21.55	21.62	
20	16QAM	50	0	21.61	21.52	21.51	21.9
20	16QAM	50	24	21.67	21.65	21.50	
20	16QAM	50	50	21.55	21.57	21.39	
20	16QAM	100	0	21.64	21.67	21.68	
20	64QAM	1	0	21.39	21.62	21.40	21.9
20	64QAM	1	49	21.61	21.56	21.37	
20	64QAM	1	99	21.41	21.67	21.57	
20	64QAM	50	0	21.50	21.60	21.66	21.9
20	64QAM	50	24	21.65	21.62	21.64	
20	64QAM	50	50	21.45	21.66	21.68	
20	64QAM	100	0	21.47	21.69	21.49	
20	256QAM	1	0	21.07	21.05	21.15	21.9
20	256QAM	1	49	20.90	21.20	21.10	
20	256QAM	1	99	20.79	21.08	21.03	
20	256QAM	50	0	18.97	19.26	18.96	20.4
20	256QAM	50	24	18.83	19.45	19.15	
20	256QAM	50	50	18.64	19.25	18.89	
20	256QAM	100	0	18.66	19.16	18.87	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.53	21.54	21.59	21.9
15	QPSK	1	37	21.39	21.42	21.55	
15	QPSK	1	74	21.40	21.51	21.63	
15	QPSK	36	0	21.51	21.53	21.37	21.9
15	QPSK	36	20	21.33	21.39	21.57	
15	QPSK	36	39	21.33	21.39	21.57	
15	QPSK	75	0	21.43	21.51	21.63	
15	16QAM	1	0	21.56	21.48	21.54	21.9
15	16QAM	1	37	21.57	21.60	21.50	
15	16QAM	1	74	21.43	21.50	21.58	
15	16QAM	36	0	21.56	21.32	21.41	21.9
15	16QAM	36	20	21.66	21.59	21.44	
15	16QAM	36	39	21.51	21.46	21.19	
15	16QAM	75	0	21.54	21.51	21.65	
15	64QAM	1	0	21.33	21.54	21.26	21.9
15	64QAM	1	37	21.58	21.38	21.37	
15	64QAM	1	74	21.29	21.66	21.47	
15	64QAM	36	0	21.39	21.47	21.51	21.9
15	64QAM	36	20	21.62	21.52	21.58	
15	64QAM	36	39	21.45	21.47	21.55	
15	64QAM	75	0	21.31	21.59	21.42	
15	256QAM	1	0	21.02	20.92	21.04	21.9
15	256QAM	1	37	20.82	21.02	21.01	
15	256QAM	1	74	20.61	21.07	21.01	
15	256QAM	36	0	18.79	19.26	18.86	20.4
15	256QAM	36	20	18.64	19.39	18.95	
15	256QAM	36	39	18.44	19.11	18.82	

15	256QAM	75	0	18.48	19.12	18.76	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.38	21.58	21.67	21.9
10	QPSK	1	25	21.47	21.55	21.47	
10	QPSK	1	49	21.39	21.58	21.68	
10	QPSK	25	0	21.44	21.52	21.49	21.9
10	QPSK	25	12	21.34	21.57	21.41	
10	QPSK	25	25	21.47	21.38	21.40	
10	QPSK	50	0	21.31	21.54	21.57	
10	16QAM	1	0	21.53	21.46	21.49	21.9
10	16QAM	1	25	21.48	21.51	21.66	
10	16QAM	1	49	21.43	21.49	21.55	
10	16QAM	25	0	21.57	21.37	21.48	21.9
10	16QAM	25	12	21.56	21.50	21.39	
10	16QAM	25	25	21.51	21.50	21.22	
10	16QAM	50	0	21.47	21.66	21.56	
10	64QAM	1	0	21.30	21.58	21.32	21.9
10	64QAM	1	25	21.59	21.50	21.32	
10	64QAM	1	49	21.35	21.55	21.44	
10	64QAM	25	0	21.35	21.53	21.51	21.9
10	64QAM	25	12	21.62	21.46	21.46	
10	64QAM	25	25	21.27	21.61	21.61	
10	64QAM	50	0	21.39	21.64	21.47	
10	256QAM	1	0	20.97	20.86	21.05	21.9
10	256QAM	1	25	20.80	21.12	20.98	
10	256QAM	1	49	20.71	21.04	20.92	
10	256QAM	25	0	18.85	19.18	18.83	20.4
10	256QAM	25	12	18.68	19.44	18.95	
10	256QAM	25	25	18.58	19.10	18.88	
10	256QAM	50	0	18.48	19.05	18.68	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.38	21.56	21.56	21.9
5	QPSK	1	12	21.59	21.53	21.60	
5	QPSK	1	24	21.48	21.59	21.66	
5	QPSK	12	0	21.42	21.59	21.38	21.9
5	QPSK	12	7	21.51	21.39	21.59	
5	QPSK	12	13	21.39	21.24	21.47	
5	QPSK	25	0	21.30	21.51	21.45	
5	16QAM	1	0	21.56	21.53	21.37	21.9
5	16QAM	1	12	21.50	21.59	21.64	
5	16QAM	1	24	21.35	21.51	21.60	
5	16QAM	12	0	21.45	21.33	21.48	21.9
5	16QAM	12	7	21.67	21.65	21.50	
5	16QAM	12	13	21.44	21.39	21.31	
5	16QAM	25	0	21.52	21.67	21.52	
5	64QAM	1	0	21.30	21.56	21.35	21.9
5	64QAM	1	12	21.45	21.52	21.28	
5	64QAM	1	24	21.22	21.66	21.42	
5	64QAM	12	0	21.46	21.44	21.56	21.9
5	64QAM	12	7	21.54	21.48	21.60	
5	64QAM	12	13	21.32	21.46	21.54	
5	64QAM	25	0	21.37	21.60	21.43	
5	256QAM	1	0	21.01	21.03	20.99	21.9
5	256QAM	1	12	20.85	21.01	21.08	
5	256QAM	1	24	20.69	21.06	20.93	
5	256QAM	12	0	18.90	19.13	18.79	20.4
5	256QAM	12	7	18.82	19.37	19.03	
5	256QAM	12	13	18.48	19.17	18.78	
5	256QAM	25	0	18.64	19.03	18.78	

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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	22.74	22.78	22.71	23.6
20	QPSK	1	49	22.53	22.64	22.60	
20	QPSK	1	99	22.69	22.68	22.50	
20	QPSK	50	0	22.70	22.69	22.48	23.6
20	QPSK	50	24	22.50	22.55	22.50	
20	QPSK	50	50	22.55	22.69	22.50	
20	QPSK	100	0	22.52	22.75	22.62	
20	16QAM	1	0	22.69	22.65	22.56	23.6
20	16QAM	1	49	22.69	22.72	22.60	
20	16QAM	1	99	22.48	22.61	22.62	
20	16QAM	50	0	22.65	22.67	22.56	23.6
20	16QAM	50	24	22.51	22.70	22.56	
20	16QAM	50	50	22.63	22.72	22.60	
20	16QAM	100	0	22.48	22.65	22.59	
20	64QAM	1	0	22.53	22.74	22.64	23.6
20	64QAM	1	49	22.66	22.72	22.41	
20	64QAM	1	99	22.70	22.58	22.64	
20	64QAM	50	0	22.63	22.68	22.54	23.6
20	64QAM	50	24	22.61	22.70	22.63	
20	64QAM	50	50	22.59	22.74	22.60	
20	64QAM	100	0	22.47	22.65	22.44	
20	256QAM	1	0	21.44	21.82	21.51	22.4
20	256QAM	1	49	21.05	21.42	21.32	
20	256QAM	1	99	20.89	21.46	21.00	
20	256QAM	50	0	18.95	19.37	19.12	20.4
20	256QAM	50	24	18.94	19.33	19.16	
20	256QAM	50	50	18.83	19.13	18.90	
20	256QAM	100	0	18.74	19.29	18.96	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.65	22.58	22.56	23.6
15	QPSK	1	37	22.45	22.55	22.44	
15	QPSK	1	74	22.69	22.52	22.33	
15	QPSK	36	0	22.59	22.49	22.41	23.6
15	QPSK	36	20	22.48	22.39	22.35	
15	QPSK	36	39	22.45	22.69	22.31	
15	QPSK	75	0	22.36	22.69	22.44	
15	16QAM	1	0	22.65	22.62	22.48	23.6
15	16QAM	1	37	22.62	22.53	22.53	
15	16QAM	1	74	22.48	22.59	22.55	
15	16QAM	36	0	22.51	22.51	22.36	23.6
15	16QAM	36	20	22.41	22.66	22.40	
15	16QAM	36	39	22.54	22.63	22.51	
15	16QAM	75	0	22.32	22.45	22.52	
15	64QAM	1	0	22.43	22.66	22.54	23.6
15	64QAM	1	37	22.53	22.71	22.38	
15	64QAM	1	74	22.53	22.58	22.56	
15	64QAM	36	0	22.51	22.60	22.41	23.6
15	64QAM	36	20	22.49	22.69	22.54	
15	64QAM	36	39	22.41	22.72	22.54	
15	64QAM	75	0	22.39	22.64	22.39	
15	256QAM	1	0	21.28	21.72	21.46	22.4
15	256QAM	1	37	20.91	21.28	21.28	
15	256QAM	1	74	20.78	21.36	20.98	
15	256QAM	36	0	18.90	19.22	19.04	20.4
15	256QAM	36	20	18.94	19.16	19.03	
15	256QAM	36	39	18.72	19.01	18.85	

15	256QAM	75	0	18.69	19.26	18.76	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.70	22.62	22.68	23.6
10	QPSK	1	25	22.49	22.64	22.52	
10	QPSK	1	49	22.69	22.63	22.34	
10	QPSK	25	0	22.60	22.50	22.47	23.6
10	QPSK	25	12	22.41	22.42	22.33	
10	QPSK	25	25	22.40	22.61	22.42	
10	QPSK	50	0	22.34	22.58	22.56	
10	16QAM	1	0	22.69	22.53	22.53	23.6
10	16QAM	1	25	22.66	22.58	22.59	
10	16QAM	1	49	22.44	22.56	22.44	
10	16QAM	25	0	22.48	22.63	22.40	23.6
10	16QAM	25	12	22.37	22.70	22.42	
10	16QAM	25	25	22.53	22.54	22.46	
10	16QAM	50	0	22.46	22.48	22.44	
10	64QAM	1	0	22.38	22.68	22.47	23.6
10	64QAM	1	25	22.51	22.65	22.41	
10	64QAM	1	49	22.61	22.51	22.57	
10	64QAM	25	0	22.50	22.66	22.49	23.6
10	64QAM	25	12	22.48	22.61	22.63	
10	64QAM	25	25	22.51	22.58	22.40	
10	64QAM	50	0	22.33	22.59	22.33	
10	256QAM	1	0	21.38	21.80	21.47	22.4
10	256QAM	1	25	20.98	21.37	21.23	
10	256QAM	1	49	20.84	21.36	20.92	
10	256QAM	25	0	18.77	19.21	19.07	20.4
10	256QAM	25	12	18.83	19.24	18.99	
10	256QAM	25	25	18.65	19.07	18.78	
10	256QAM	50	0	18.57	19.13	18.79	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.60	22.76	22.53	23.6
5	QPSK	1	12	22.43	22.60	22.52	
5	QPSK	1	24	22.59	22.55	22.33	
5	QPSK	12	0	22.53	22.58	22.33	23.6
5	QPSK	12	7	22.48	22.45	22.49	
5	QPSK	12	13	22.52	22.68	22.44	
5	QPSK	25	0	22.44	22.68	22.47	
5	16QAM	1	0	22.55	22.55	22.36	23.6
5	16QAM	1	12	22.58	22.67	22.51	
5	16QAM	1	24	22.44	22.58	22.54	
5	16QAM	12	0	22.54	22.62	22.55	23.6
5	16QAM	12	7	22.49	22.59	22.36	
5	16QAM	12	13	22.44	22.57	22.55	
5	16QAM	25	0	22.31	22.54	22.58	
5	64QAM	1	0	22.49	22.56	22.46	23.6
5	64QAM	1	12	22.51	22.60	22.31	
5	64QAM	1	24	22.60	22.58	22.54	
5	64QAM	12	0	22.44	22.59	22.43	23.6
5	64QAM	12	7	22.45	22.50	22.47	
5	64QAM	12	13	22.40	22.63	22.58	
5	64QAM	25	0	22.42	22.54	22.28	
5	256QAM	1	0	21.30	21.62	21.42	22.4
5	256QAM	1	12	20.97	21.22	21.24	
5	256QAM	1	24	20.83	21.36	20.95	
5	256QAM	12	0	18.77	19.18	19.12	20.4
5	256QAM	12	7	18.92	19.31	19.01	
5	256QAM	12	13	18.63	19.11	18.81	
5	256QAM	25	0	18.64	19.13	18.96	

<LTE Band 38_HPUE_Ant 2_TX0_Index 11>

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	22.74	22.78	22.71	22.8
20	QPSK	1	49	22.53	22.64	22.60	
20	QPSK	1	99	22.69	22.68	22.50	
20	QPSK	50	0	22.70	22.69	22.48	22.8
20	QPSK	50	24	22.50	22.55	22.50	
20	QPSK	50	50	22.55	22.69	22.50	
20	QPSK	100	0	22.52	22.75	22.62	
20	16QAM	1	0	22.69	22.65	22.56	22.8
20	16QAM	1	49	22.69	22.72	22.60	
20	16QAM	1	99	22.48	22.61	22.62	
20	16QAM	50	0	22.65	22.67	22.56	22.8
20	16QAM	50	24	22.51	22.70	22.56	
20	16QAM	50	50	22.63	22.72	22.60	
20	16QAM	100	0	22.48	22.65	22.59	
20	64QAM	1	0	22.53	22.74	22.64	22.8
20	64QAM	1	49	22.66	22.72	22.41	
20	64QAM	1	99	22.70	22.58	22.64	
20	64QAM	50	0	22.63	22.68	22.54	22.8
20	64QAM	50	24	22.61	22.70	22.63	
20	64QAM	50	50	22.59	22.74	22.60	
20	64QAM	100	0	22.47	22.65	22.44	
20	256QAM	1	0	21.44	21.82	21.51	22.4
20	256QAM	1	49	21.05	21.42	21.32	
20	256QAM	1	99	20.89	21.46	21.00	
20	256QAM	50	0	18.95	19.37	19.12	20.4
20	256QAM	50	24	18.94	19.33	19.16	
20	256QAM	50	50	18.83	19.13	18.90	
20	256QAM	100	0	18.74	19.29	18.96	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.65	22.58	22.56	22.8
15	QPSK	1	37	22.45	22.55	22.44	
15	QPSK	1	74	22.69	22.52	22.33	
15	QPSK	36	0	22.59	22.49	22.41	22.8
15	QPSK	36	20	22.48	22.39	22.35	
15	QPSK	36	39	22.45	22.69	22.31	
15	QPSK	75	0	22.36	22.69	22.44	
15	16QAM	1	0	22.65	22.62	22.48	22.8
15	16QAM	1	37	22.62	22.53	22.53	
15	16QAM	1	74	22.48	22.59	22.55	
15	16QAM	36	0	22.51	22.51	22.36	22.8
15	16QAM	36	20	22.41	22.66	22.40	
15	16QAM	36	39	22.54	22.63	22.51	
15	16QAM	75	0	22.32	22.45	22.52	
15	64QAM	1	0	22.43	22.66	22.54	22.8
15	64QAM	1	37	22.53	22.71	22.38	
15	64QAM	1	74	22.53	22.58	22.56	
15	64QAM	36	0	22.51	22.60	22.41	22.8
15	64QAM	36	20	22.49	22.69	22.54	
15	64QAM	36	39	22.41	22.72	22.54	
15	64QAM	75	0	22.39	22.64	22.39	
15	256QAM	1	0	21.28	21.72	21.46	22.4
15	256QAM	1	37	20.91	21.28	21.28	
15	256QAM	1	74	20.78	21.36	20.98	
15	256QAM	36	0	18.90	19.22	19.04	20.4
15	256QAM	36	20	18.94	19.16	19.03	
15	256QAM	36	39	18.72	19.01	18.85	

15	256QAM	75	0	18.69	19.26	18.76	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.70	22.62	22.68	22.8
10	QPSK	1	25	22.49	22.64	22.52	
10	QPSK	1	49	22.69	22.63	22.34	
10	QPSK	25	0	22.60	22.50	22.47	22.8
10	QPSK	25	12	22.41	22.42	22.33	
10	QPSK	25	25	22.40	22.61	22.42	
10	QPSK	50	0	22.34	22.58	22.56	
10	16QAM	1	0	22.69	22.53	22.53	22.8
10	16QAM	1	25	22.66	22.58	22.59	
10	16QAM	1	49	22.44	22.56	22.44	
10	16QAM	25	0	22.48	22.63	22.40	22.8
10	16QAM	25	12	22.37	22.70	22.42	
10	16QAM	25	25	22.53	22.54	22.46	
10	16QAM	50	0	22.46	22.48	22.44	
10	64QAM	1	0	22.38	22.68	22.47	22.8
10	64QAM	1	25	22.51	22.65	22.41	
10	64QAM	1	49	22.61	22.51	22.57	
10	64QAM	25	0	22.50	22.66	22.49	22.8
10	64QAM	25	12	22.48	22.61	22.63	
10	64QAM	25	25	22.51	22.58	22.40	
10	64QAM	50	0	22.33	22.59	22.33	
10	256QAM	1	0	21.38	21.80	21.47	22.4
10	256QAM	1	25	20.98	21.37	21.23	
10	256QAM	1	49	20.84	21.36	20.92	
10	256QAM	25	0	18.77	19.21	19.07	20.4
10	256QAM	25	12	18.83	19.24	18.99	
10	256QAM	25	25	18.65	19.07	18.78	
10	256QAM	50	0	18.57	19.13	18.79	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.60	22.76	22.53	22.8
5	QPSK	1	12	22.43	22.60	22.52	
5	QPSK	1	24	22.59	22.55	22.33	
5	QPSK	12	0	22.53	22.58	22.33	22.8
5	QPSK	12	7	22.48	22.45	22.49	
5	QPSK	12	13	22.52	22.68	22.44	
5	QPSK	25	0	22.44	22.68	22.47	
5	16QAM	1	0	22.55	22.55	22.36	22.8
5	16QAM	1	12	22.58	22.67	22.51	
5	16QAM	1	24	22.44	22.58	22.54	
5	16QAM	12	0	22.54	22.62	22.55	22.8
5	16QAM	12	7	22.49	22.59	22.36	
5	16QAM	12	13	22.44	22.57	22.55	
5	16QAM	25	0	22.31	22.54	22.58	
5	64QAM	1	0	22.49	22.56	22.46	22.8
5	64QAM	1	12	22.51	22.60	22.31	
5	64QAM	1	24	22.60	22.58	22.54	
5	64QAM	12	0	22.44	22.59	22.43	22.8
5	64QAM	12	7	22.45	22.50	22.47	
5	64QAM	12	13	22.40	22.63	22.58	
5	64QAM	25	0	22.42	22.54	22.28	
5	256QAM	1	0	21.30	21.62	21.42	22.4
5	256QAM	1	12	20.97	21.22	21.24	
5	256QAM	1	24	20.83	21.36	20.95	
5	256QAM	12	0	18.77	19.18	19.12	20.4
5	256QAM	12	7	18.92	19.31	19.01	
5	256QAM	12	13	18.63	19.11	18.81	
5	256QAM	25	0	18.64	19.13	18.96	

<LTE Band 38_Ant 0_TX1_Index 2/3/4/5/6/7/8>

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	24.31	24.33	24.34	25.7
20	QPSK	1	49	24.25	24.29	24.31	
20	QPSK	1	99	24.25	24.24	24.29	
20	QPSK	50	0	23.30	23.29	23.34	24.7
20	QPSK	50	24	23.27	23.24	23.33	
20	QPSK	50	50	23.28	23.28	23.31	
20	QPSK	100	0	23.28	23.28	23.29	
20	16QAM	1	0	23.36	23.43	23.33	24.7
20	16QAM	1	49	23.30	23.34	23.27	
20	16QAM	1	99	23.30	23.34	23.36	
20	16QAM	50	0	22.30	22.28	22.32	23.7
20	16QAM	50	24	22.30	22.35	22.37	
20	16QAM	50	50	22.33	22.34	22.33	
20	16QAM	100	0	22.35	22.36	22.36	
20	64QAM	1	0	22.08	22.00	22.05	23.7
20	64QAM	1	49	22.03	21.96	21.91	
20	64QAM	1	99	22.09	22.04	21.95	
20	64QAM	50	0	21.35	21.35	21.35	22.7
20	64QAM	50	24	21.33	21.33	21.36	
20	64QAM	50	50	21.32	21.29	21.36	
20	64QAM	100	0	21.32	21.31	21.36	
20	256QAM	1	0	19.48	19.39	19.44	20.7
20	256QAM	1	49	19.17	19.12	19.08	
20	256QAM	1	99	19.17	19.09	19.13	
20	256QAM	50	0	17.51	17.46	17.45	18.7
20	256QAM	50	24	17.41	17.38	17.39	
20	256QAM	50	50	17.40	17.35	17.37	
20	256QAM	100	0	17.39	17.34	17.32	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.16	24.30	24.16	25.7
15	QPSK	1	37	24.17	24.27	24.18	
15	QPSK	1	74	24.18	24.21	24.23	
15	QPSK	36	0	23.16	23.28	23.33	24.7
15	QPSK	36	20	23.13	23.05	23.25	
15	QPSK	36	39	23.08	23.09	23.14	
15	QPSK	75	0	23.09	23.14	23.21	
15	16QAM	1	0	23.34	23.33	23.15	24.7
15	16QAM	1	37	23.15	23.33	23.26	
15	16QAM	1	74	23.28	23.28	23.19	
15	16QAM	36	0	22.23	22.09	22.26	23.7
15	16QAM	36	20	22.21	22.22	22.32	
15	16QAM	36	39	22.23	22.27	22.28	
15	16QAM	75	0	22.33	22.30	22.29	
15	64QAM	1	0	22.04	21.94	21.95	23.7
15	64QAM	1	37	21.98	21.79	21.91	
15	64QAM	1	74	22.05	21.88	21.81	
15	64QAM	36	0	21.16	21.31	21.26	22.7
15	64QAM	36	20	21.23	21.17	21.32	
15	64QAM	36	39	21.28	21.11	21.17	
15	64QAM	75	0	21.31	21.15	21.33	
15	256QAM	1	0	19.28	19.36	19.32	20.7
15	256QAM	1	37	19.11	18.96	18.90	
15	256QAM	1	74	19.12	18.99	19.00	
15	256QAM	36	0	17.46	17.33	17.35	18.7
15	256QAM	36	20	17.27	17.18	17.37	
15	256QAM	36	39	17.20	17.32	17.33	

15	256QAM	75	0	17.21	17.28	17.14	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.31	24.20	24.26	25.7
10	QPSK	1	25	24.10	24.25	24.12	
10	QPSK	1	49	24.06	24.17	24.23	
10	QPSK	25	0	23.23	23.25	23.31	24.7
10	QPSK	25	12	23.11	23.23	23.20	
10	QPSK	25	25	23.25	23.14	23.30	
10	QPSK	50	0	23.27	23.21	23.17	
10	16QAM	1	0	23.32	23.36	23.17	24.7
10	16QAM	1	25	23.28	23.25	23.22	
10	16QAM	1	49	23.18	23.17	23.21	
10	16QAM	25	0	22.16	22.21	22.21	23.7
10	16QAM	25	12	22.14	22.30	22.21	
10	16QAM	25	25	22.15	22.18	22.31	
10	16QAM	50	0	22.26	22.16	22.17	
10	64QAM	1	0	21.96	21.93	21.85	23.7
10	64QAM	1	25	21.83	21.82	21.88	
10	64QAM	1	49	21.97	21.95	21.82	
10	64QAM	25	0	21.24	21.33	21.30	22.7
10	64QAM	25	12	21.13	21.32	21.33	
10	64QAM	25	25	21.31	21.25	21.36	
10	64QAM	50	0	21.29	21.20	21.16	
10	256QAM	1	0	19.34	19.30	19.33	20.7
10	256QAM	1	25	19.15	18.98	18.98	
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	17.47	17.30	17.25	18.7
10	256QAM	25	12	17.22	17.22	17.25	
10	256QAM	25	25	17.24	17.18	17.31	
10	256QAM	50	0	17.27	17.29	17.27	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.21	24.22	24.25	25.7
5	QPSK	1	12	24.23	24.27	24.15	
5	QPSK	1	24	24.22	24.10	24.20	
5	QPSK	12	0	23.29	23.27	23.14	24.7
5	QPSK	12	7	23.07	23.08	23.25	
5	QPSK	12	13	23.13	23.15	23.19	
5	QPSK	25	0	23.18	23.16	23.15	
5	16QAM	1	0	23.31	23.43	23.22	24.7
5	16QAM	1	12	23.20	23.30	23.16	
5	16QAM	1	24	23.16	23.26	23.36	
5	16QAM	12	0	22.20	22.25	22.31	23.7
5	16QAM	12	7	22.13	22.27	22.22	
5	16QAM	12	13	22.20	22.22	22.32	
5	16QAM	25	0	22.16	22.17	22.30	
5	64QAM	1	0	22.04	21.80	22.05	23.7
5	64QAM	1	12	21.92	21.86	21.79	
5	64QAM	1	24	21.95	21.86	21.78	
5	64QAM	12	0	21.34	21.23	21.23	22.7
5	64QAM	12	7	21.24	21.31	21.28	
5	64QAM	12	13	21.15	21.15	21.34	
5	64QAM	25	0	21.23	21.22	21.30	
5	256QAM	1	0	19.48	19.36	19.29	20.7
5	256QAM	1	12	18.97	19.02	18.92	
5	256QAM	1	24	19.08	19.04	19.00	
5	256QAM	12	0	17.43	17.41	17.37	18.7
5	256QAM	12	7	17.37	17.31	17.29	
5	256QAM	12	13	17.21	17.24	17.32	
5	256QAM	25	0	17.38	17.20	17.32	

<LTE Band 38_Ant 0_TX1_Index 9/11>

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	24.31	24.33	24.34	24.5
20	QPSK	1	49	24.25	24.29	24.31	
20	QPSK	1	99	24.25	24.24	24.29	
20	QPSK	50	0	23.30	23.29	23.34	24.5
20	QPSK	50	24	23.27	23.24	23.33	
20	QPSK	50	50	23.28	23.28	23.31	
20	QPSK	100	0	23.28	23.28	23.29	
20	16QAM	1	0	23.36	23.43	23.33	24.5
20	16QAM	1	49	23.30	23.34	23.27	
20	16QAM	1	99	23.30	23.34	23.36	
20	16QAM	50	0	22.30	22.28	22.32	23.7
20	16QAM	50	24	22.30	22.35	22.37	
20	16QAM	50	50	22.33	22.34	22.33	
20	16QAM	100	0	22.35	22.36	22.36	
20	64QAM	1	0	22.08	22.00	22.05	23.7
20	64QAM	1	49	22.03	21.96	21.91	
20	64QAM	1	99	22.09	22.04	21.95	
20	64QAM	50	0	21.35	21.35	21.35	22.7
20	64QAM	50	24	21.33	21.33	21.36	
20	64QAM	50	50	21.32	21.29	21.36	
20	64QAM	100	0	21.32	21.31	21.36	
20	256QAM	1	0	19.48	19.39	19.44	20.7
20	256QAM	1	49	19.17	19.12	19.08	
20	256QAM	1	99	19.17	19.09	19.13	
20	256QAM	50	0	17.51	17.46	17.45	18.7
20	256QAM	50	24	17.41	17.38	17.39	
20	256QAM	50	50	17.40	17.35	17.37	
20	256QAM	100	0	17.39	17.34	17.32	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.16	24.30	24.16	24.5
15	QPSK	1	37	24.17	24.27	24.18	
15	QPSK	1	74	24.18	24.21	24.23	
15	QPSK	36	0	23.16	23.28	23.33	24.5
15	QPSK	36	20	23.13	23.05	23.25	
15	QPSK	36	39	23.08	23.09	23.14	
15	QPSK	75	0	23.09	23.14	23.21	
15	16QAM	1	0	23.34	23.33	23.15	24.5
15	16QAM	1	37	23.15	23.33	23.26	
15	16QAM	1	74	23.28	23.28	23.19	
15	16QAM	36	0	22.23	22.09	22.26	23.7
15	16QAM	36	20	22.21	22.22	22.32	
15	16QAM	36	39	22.23	22.27	22.28	
15	16QAM	75	0	22.33	22.30	22.29	
15	64QAM	1	0	22.04	21.94	21.95	23.7
15	64QAM	1	37	21.98	21.79	21.91	
15	64QAM	1	74	22.05	21.88	21.81	
15	64QAM	36	0	21.16	21.31	21.26	22.7
15	64QAM	36	20	21.23	21.17	21.32	
15	64QAM	36	39	21.28	21.11	21.17	
15	64QAM	75	0	21.31	21.15	21.33	
15	256QAM	1	0	19.28	19.36	19.32	20.7
15	256QAM	1	37	19.11	18.96	18.90	
15	256QAM	1	74	19.12	18.99	19.00	
15	256QAM	36	0	17.46	17.33	17.35	18.7
15	256QAM	36	20	17.27	17.18	17.37	
15	256QAM	36	39	17.20	17.32	17.33	

15	256QAM	75	0	17.21	17.28	17.14	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.31	24.20	24.26	24.5
10	QPSK	1	25	24.10	24.25	24.12	
10	QPSK	1	49	24.06	24.17	24.23	
10	QPSK	25	0	23.23	23.25	23.31	24.5
10	QPSK	25	12	23.11	23.23	23.20	
10	QPSK	25	25	23.25	23.14	23.30	
10	QPSK	50	0	23.27	23.21	23.17	
10	16QAM	1	0	23.32	23.36	23.17	24.5
10	16QAM	1	25	23.28	23.25	23.22	
10	16QAM	1	49	23.18	23.17	23.21	
10	16QAM	25	0	22.16	22.21	22.21	23.7
10	16QAM	25	12	22.14	22.30	22.21	
10	16QAM	25	25	22.15	22.18	22.31	
10	16QAM	50	0	22.26	22.16	22.17	
10	64QAM	1	0	21.96	21.93	21.85	23.7
10	64QAM	1	25	21.83	21.82	21.88	
10	64QAM	1	49	21.97	21.95	21.82	
10	64QAM	25	0	21.24	21.33	21.30	22.7
10	64QAM	25	12	21.13	21.32	21.33	
10	64QAM	25	25	21.31	21.25	21.36	
10	64QAM	50	0	21.29	21.20	21.16	
10	256QAM	1	0	19.34	19.30	19.33	20.7
10	256QAM	1	25	19.15	18.98	18.98	
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	17.47	17.30	17.25	18.7
10	256QAM	25	12	17.22	17.22	17.25	
10	256QAM	25	25	17.24	17.18	17.31	
10	256QAM	50	0	17.27	17.29	17.27	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.21	24.22	24.25	24.5
5	QPSK	1	12	24.23	24.27	24.15	
5	QPSK	1	24	24.22	24.10	24.20	
5	QPSK	12	0	23.29	23.27	23.14	24.5
5	QPSK	12	7	23.07	23.08	23.25	
5	QPSK	12	13	23.13	23.15	23.19	
5	QPSK	25	0	23.18	23.16	23.15	
5	16QAM	1	0	23.31	23.43	23.22	24.5
5	16QAM	1	12	23.20	23.30	23.16	
5	16QAM	1	24	23.16	23.26	23.36	
5	16QAM	12	0	22.20	22.25	22.31	23.7
5	16QAM	12	7	22.13	22.27	22.22	
5	16QAM	12	13	22.20	22.22	22.32	
5	16QAM	25	0	22.16	22.17	22.30	
5	64QAM	1	0	22.04	21.80	22.05	23.7
5	64QAM	1	12	21.92	21.86	21.79	
5	64QAM	1	24	21.95	21.86	21.78	
5	64QAM	12	0	21.34	21.23	21.23	22.7
5	64QAM	12	7	21.24	21.31	21.28	
5	64QAM	12	13	21.15	21.15	21.34	
5	64QAM	25	0	21.23	21.22	21.30	
5	256QAM	1	0	19.48	19.36	19.29	20.7
5	256QAM	1	12	18.97	19.02	18.92	
5	256QAM	1	24	19.08	19.04	19.00	
5	256QAM	12	0	17.43	17.41	17.37	18.7
5	256QAM	12	7	17.37	17.31	17.29	
5	256QAM	12	13	17.21	17.24	17.32	
5	256QAM	25	0	17.38	17.20	17.32	

<LTE Band 38_Ant 0_TX1_Index 10>

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	24.31	24.33	24.34	25.3
20	QPSK	1	49	24.25	24.29	24.31	
20	QPSK	1	99	24.25	24.24	24.29	
20	QPSK	50	0	23.30	23.29	23.34	24.7
20	QPSK	50	24	23.27	23.24	23.33	
20	QPSK	50	50	23.28	23.28	23.31	
20	QPSK	100	0	23.28	23.28	23.29	
20	16QAM	1	0	23.36	23.43	23.33	24.7
20	16QAM	1	49	23.30	23.34	23.27	
20	16QAM	1	99	23.30	23.34	23.36	
20	16QAM	50	0	22.30	22.28	22.32	23.7
20	16QAM	50	24	22.30	22.35	22.37	
20	16QAM	50	50	22.33	22.34	22.33	
20	16QAM	100	0	22.35	22.36	22.36	
20	64QAM	1	0	22.08	22.00	22.05	23.7
20	64QAM	1	49	22.03	21.96	21.91	
20	64QAM	1	99	22.09	22.04	21.95	
20	64QAM	50	0	21.35	21.35	21.35	22.7
20	64QAM	50	24	21.33	21.33	21.36	
20	64QAM	50	50	21.32	21.29	21.36	
20	64QAM	100	0	21.32	21.31	21.36	
20	256QAM	1	0	19.48	19.39	19.44	20.7
20	256QAM	1	49	19.17	19.12	19.08	
20	256QAM	1	99	19.17	19.09	19.13	
20	256QAM	50	0	17.51	17.46	17.45	18.7
20	256QAM	50	24	17.41	17.38	17.39	
20	256QAM	50	50	17.40	17.35	17.37	
20	256QAM	100	0	17.39	17.34	17.32	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.16	24.30	24.16	25.3
15	QPSK	1	37	24.17	24.27	24.18	
15	QPSK	1	74	24.18	24.21	24.23	
15	QPSK	36	0	23.16	23.28	23.33	24.7
15	QPSK	36	20	23.13	23.05	23.25	
15	QPSK	36	39	23.08	23.09	23.14	
15	QPSK	75	0	23.09	23.14	23.21	
15	16QAM	1	0	23.34	23.33	23.15	24.7
15	16QAM	1	37	23.15	23.33	23.26	
15	16QAM	1	74	23.28	23.28	23.19	
15	16QAM	36	0	22.23	22.09	22.26	23.7
15	16QAM	36	20	22.21	22.22	22.32	
15	16QAM	36	39	22.23	22.27	22.28	
15	16QAM	75	0	22.33	22.30	22.29	
15	64QAM	1	0	22.04	21.94	21.95	23.7
15	64QAM	1	37	21.98	21.79	21.91	
15	64QAM	1	74	22.05	21.88	21.81	
15	64QAM	36	0	21.16	21.31	21.26	22.7
15	64QAM	36	20	21.23	21.17	21.32	
15	64QAM	36	39	21.28	21.11	21.17	
15	64QAM	75	0	21.31	21.15	21.33	
15	256QAM	1	0	19.28	19.36	19.32	20.7
15	256QAM	1	37	19.11	18.96	18.90	
15	256QAM	1	74	19.12	18.99	19.00	
15	256QAM	36	0	17.46	17.33	17.35	18.7
15	256QAM	36	20	17.27	17.18	17.37	
15	256QAM	36	39	17.20	17.32	17.33	

15	256QAM	75	0	17.21	17.28	17.14	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.31	24.20	24.26	25.3
10	QPSK	1	25	24.10	24.25	24.12	
10	QPSK	1	49	24.06	24.17	24.23	
10	QPSK	25	0	23.23	23.25	23.31	24.7
10	QPSK	25	12	23.11	23.23	23.20	
10	QPSK	25	25	23.25	23.14	23.30	
10	QPSK	50	0	23.27	23.21	23.17	
10	16QAM	1	0	23.32	23.36	23.17	24.7
10	16QAM	1	25	23.28	23.25	23.22	
10	16QAM	1	49	23.18	23.17	23.21	
10	16QAM	25	0	22.16	22.21	22.21	23.7
10	16QAM	25	12	22.14	22.30	22.21	
10	16QAM	25	25	22.15	22.18	22.31	
10	16QAM	50	0	22.26	22.16	22.17	
10	64QAM	1	0	21.96	21.93	21.85	23.7
10	64QAM	1	25	21.83	21.82	21.88	
10	64QAM	1	49	21.97	21.95	21.82	
10	64QAM	25	0	21.24	21.33	21.30	22.7
10	64QAM	25	12	21.13	21.32	21.33	
10	64QAM	25	25	21.31	21.25	21.36	
10	64QAM	50	0	21.29	21.20	21.16	
10	256QAM	1	0	19.34	19.30	19.33	20.7
10	256QAM	1	25	19.15	18.98	18.98	
10	256QAM	1	49	19.06	19.02	19.13	
10	256QAM	25	0	17.47	17.30	17.25	18.7
10	256QAM	25	12	17.22	17.22	17.25	
10	256QAM	25	25	17.24	17.18	17.31	
10	256QAM	50	0	17.27	17.29	17.27	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.21	24.22	24.25	25.3
5	QPSK	1	12	24.23	24.27	24.15	
5	QPSK	1	24	24.22	24.10	24.20	
5	QPSK	12	0	23.29	23.27	23.14	24.7
5	QPSK	12	7	23.07	23.08	23.25	
5	QPSK	12	13	23.13	23.15	23.19	
5	QPSK	25	0	23.18	23.16	23.15	
5	16QAM	1	0	23.31	23.43	23.22	24.7
5	16QAM	1	12	23.20	23.30	23.16	
5	16QAM	1	24	23.16	23.26	23.36	
5	16QAM	12	0	22.20	22.25	22.31	23.7
5	16QAM	12	7	22.13	22.27	22.22	
5	16QAM	12	13	22.20	22.22	22.32	
5	16QAM	25	0	22.16	22.17	22.30	
5	64QAM	1	0	22.04	21.80	22.05	23.7
5	64QAM	1	12	21.92	21.86	21.79	
5	64QAM	1	24	21.95	21.86	21.78	
5	64QAM	12	0	21.34	21.23	21.23	22.7
5	64QAM	12	7	21.24	21.31	21.28	
5	64QAM	12	13	21.15	21.15	21.34	
5	64QAM	25	0	21.23	21.22	21.30	
5	256QAM	1	0	19.48	19.36	19.29	20.7
5	256QAM	1	12	18.97	19.02	18.92	
5	256QAM	1	24	19.08	19.04	19.00	
5	256QAM	12	0	17.43	17.41	17.37	18.7
5	256QAM	12	7	17.37	17.31	17.29	
5	256QAM	12	13	17.21	17.24	17.32	
5	256QAM	25	0	17.38	17.20	17.32	

<LTE Band 38_HPUE_Ant 0_TX1_Index 2/3/4/5/6/7/8>

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	25.98	25.94	25.95	27.4
20	QPSK	1	49	25.96	25.91	25.92	
20	QPSK	1	99	25.91	25.92	25.93	
20	QPSK	50	0	24.98	24.97	24.97	26.4
20	QPSK	50	24	24.96	24.95	24.96	
20	QPSK	50	50	24.94	24.95	24.95	
20	QPSK	100	0	24.98	24.93	24.95	
20	16QAM	1	0	25.46	25.59	25.35	26.4
20	16QAM	1	49	25.46	25.45	25.43	
20	16QAM	1	99	25.49	25.50	25.49	
20	16QAM	50	0	23.98	23.97	23.99	25.4
20	16QAM	50	24	23.94	23.93	23.95	
20	16QAM	50	50	23.93	23.93	23.97	
20	16QAM	100	0	23.96	23.95	24.04	
20	64QAM	1	0	23.90	24.14	24.15	25.4
20	64QAM	1	49	23.81	23.83	23.86	
20	64QAM	1	99	23.80	23.80	23.86	
20	64QAM	50	0	22.97	22.96	22.99	24.4
20	64QAM	50	24	22.97	23.00	22.99	
20	64QAM	50	50	22.99	22.98	23.00	
20	64QAM	100	0	22.97	22.97	23.01	
20	256QAM	1	0	21.49	21.63	21.63	22.4
20	256QAM	1	49	21.15	21.33	21.25	
20	256QAM	1	99	21.12	21.31	21.23	
20	256QAM	50	0	18.90	19.14	19.12	20.4
20	256QAM	50	24	18.93	19.08	19.08	
20	256QAM	50	50	18.86	19.01	18.93	
20	256QAM	100	0	18.80	19.01	18.99	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.83	25.92	25.86	27.4
15	QPSK	1	37	25.82	25.73	25.75	
15	QPSK	1	74	25.88	25.91	25.93	
15	QPSK	36	0	24.94	24.83	24.77	26.4
15	QPSK	36	20	24.79	24.86	24.76	
15	QPSK	36	39	24.76	24.90	24.81	
15	QPSK	75	0	24.95	24.93	24.80	
15	16QAM	1	0	25.42	25.47	25.31	26.4
15	16QAM	1	37	25.40	25.28	25.23	
15	16QAM	1	74	25.45	25.42	25.45	
15	16QAM	36	0	23.86	23.86	23.80	25.4
15	16QAM	36	20	23.77	23.80	23.84	
15	16QAM	36	39	23.81	23.78	23.84	
15	16QAM	75	0	23.76	23.83	24.04	
15	64QAM	1	0	23.88	23.97	24.11	25.4
15	64QAM	1	37	23.74	23.83	23.79	
15	64QAM	1	74	23.65	23.61	23.80	
15	64QAM	36	0	22.79	22.83	22.79	24.4
15	64QAM	36	20	22.83	22.91	22.94	
15	64QAM	36	39	22.92	22.95	22.93	
15	64QAM	75	0	22.97	22.93	22.92	
15	256QAM	1	0	21.43	21.51	21.55	22.4
15	256QAM	1	37	21.07	21.14	21.21	
15	256QAM	1	74	21.10	21.25	21.15	
15	256QAM	36	0	18.81	18.98	19.02	20.4
15	256QAM	36	20	18.78	18.90	18.98	
15	256QAM	36	39	18.68	18.87	18.93	

15	256QAM	75	0	18.71	18.99	18.94	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.85	25.88	25.95	27.4
10	QPSK	1	25	25.84	25.82	25.80	
10	QPSK	1	49	25.91	25.89	25.77	
10	QPSK	25	0	24.83	24.90	24.97	26.4
10	QPSK	25	12	24.76	24.82	24.81	
10	QPSK	25	25	24.84	24.95	24.88	
10	QPSK	50	0	24.90	24.74	24.84	
10	16QAM	1	0	25.46	25.58	25.35	26.4
10	16QAM	1	25	25.27	25.39	25.36	
10	16QAM	1	49	25.30	25.37	25.37	
10	16QAM	25	0	23.90	23.95	23.98	25.4
10	16QAM	25	12	23.91	23.82	23.80	
10	16QAM	25	25	23.77	23.87	23.85	
10	16QAM	50	0	23.82	23.88	23.84	
10	64QAM	1	0	23.75	24.10	24.08	25.4
10	64QAM	1	25	23.78	23.70	23.66	
10	64QAM	1	49	23.63	23.67	23.82	
10	64QAM	25	0	22.89	22.82	22.79	24.4
10	64QAM	25	12	22.90	22.94	22.91	
10	64QAM	25	25	22.98	22.82	22.82	
10	64QAM	50	0	22.83	22.80	22.99	
10	256QAM	1	0	21.45	21.55	21.51	22.4
10	256QAM	1	25	21.15	21.15	21.20	
10	256QAM	1	49	21.06	21.23	21.19	
10	256QAM	25	0	18.76	19.01	18.93	20.4
10	256QAM	25	12	18.79	18.96	19.04	
10	256QAM	25	25	18.68	18.81	18.83	
10	256QAM	50	0	18.61	18.85	18.97	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.81	25.91	25.87	27.4
5	QPSK	1	12	25.92	25.90	25.88	
5	QPSK	1	24	25.76	25.83	25.86	
5	QPSK	12	0	24.85	24.90	24.77	26.4
5	QPSK	12	7	24.90	24.78	24.95	
5	QPSK	12	13	24.93	24.86	24.95	
5	QPSK	25	0	24.93	24.78	24.94	
5	16QAM	1	0	25.29	25.46	25.33	26.4
5	16QAM	1	12	25.36	25.37	25.35	
5	16QAM	1	24	25.42	25.38	25.34	
5	16QAM	12	0	23.98	23.81	23.79	25.4
5	16QAM	12	7	23.92	23.79	23.87	
5	16QAM	12	13	23.83	23.75	23.84	
5	16QAM	25	0	23.96	23.81	23.91	
5	64QAM	1	0	23.77	23.95	24.05	25.4
5	64QAM	1	12	23.73	23.69	23.71	
5	64QAM	1	24	23.72	23.68	23.85	
5	64QAM	12	0	22.81	22.83	22.98	24.4
5	64QAM	12	7	22.82	22.82	22.87	
5	64QAM	12	13	22.99	22.98	22.95	
5	64QAM	25	0	22.82	22.94	22.86	
5	256QAM	1	0	21.34	21.63	21.44	22.4
5	256QAM	1	12	21.01	21.18	21.16	
5	256QAM	1	24	21.01	21.28	21.04	
5	256QAM	12	0	18.82	19.06	19.05	20.4
5	256QAM	12	7	18.90	19.08	18.90	
5	256QAM	12	13	18.85	18.99	18.78	
5	256QAM	25	0	18.63	18.83	18.84	

<LTE Band 38_HPUE_Ant 0_TX1_Index 9>

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	25.98	25.94	25.95	26.1
20	QPSK	1	49	25.96	25.91	25.92	
20	QPSK	1	99	25.91	25.92	25.93	
20	QPSK	50	0	24.98	24.97	24.97	26.1
20	QPSK	50	24	24.96	24.95	24.96	
20	QPSK	50	50	24.94	24.95	24.95	
20	QPSK	100	0	24.98	24.93	24.95	
20	16QAM	1	0	25.46	25.59	25.35	26.1
20	16QAM	1	49	25.46	25.45	25.43	
20	16QAM	1	99	25.49	25.50	25.49	
20	16QAM	50	0	23.98	23.97	23.99	25.4
20	16QAM	50	24	23.94	23.93	23.95	
20	16QAM	50	50	23.93	23.93	23.97	
20	16QAM	100	0	23.96	23.95	24.04	
20	64QAM	1	0	23.90	24.14	24.15	25.4
20	64QAM	1	49	23.81	23.83	23.86	
20	64QAM	1	99	23.80	23.80	23.86	
20	64QAM	50	0	22.97	22.96	22.99	24.4
20	64QAM	50	24	22.97	23.00	22.99	
20	64QAM	50	50	22.99	22.98	23.00	
20	64QAM	100	0	22.97	22.97	23.01	
20	256QAM	1	0	21.49	21.63	21.63	22.4
20	256QAM	1	49	21.15	21.33	21.25	
20	256QAM	1	99	21.12	21.31	21.23	
20	256QAM	50	0	18.90	19.14	19.12	20.4
20	256QAM	50	24	18.93	19.08	19.08	
20	256QAM	50	50	18.86	19.01	18.93	
20	256QAM	100	0	18.80	19.01	18.99	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.83	25.92	25.86	26.1
15	QPSK	1	37	25.82	25.73	25.75	
15	QPSK	1	74	25.88	25.91	25.93	
15	QPSK	36	0	24.94	24.83	24.77	26.1
15	QPSK	36	20	24.79	24.86	24.76	
15	QPSK	36	39	24.76	24.90	24.81	
15	QPSK	75	0	24.95	24.93	24.80	
15	16QAM	1	0	25.42	25.47	25.31	26.1
15	16QAM	1	37	25.40	25.28	25.23	
15	16QAM	1	74	25.45	25.42	25.45	
15	16QAM	36	0	23.86	23.86	23.80	25.4
15	16QAM	36	20	23.77	23.80	23.84	
15	16QAM	36	39	23.81	23.78	23.84	
15	16QAM	75	0	23.76	23.83	24.04	
15	64QAM	1	0	23.88	23.97	24.11	25.4
15	64QAM	1	37	23.74	23.83	23.79	
15	64QAM	1	74	23.65	23.61	23.80	
15	64QAM	36	0	22.79	22.83	22.79	24.4
15	64QAM	36	20	22.83	22.91	22.94	
15	64QAM	36	39	22.92	22.95	22.93	
15	64QAM	75	0	22.97	22.93	22.92	
15	256QAM	1	0	21.43	21.51	21.55	22.4
15	256QAM	1	37	21.07	21.14	21.21	
15	256QAM	1	74	21.10	21.25	21.15	
15	256QAM	36	0	18.81	18.98	19.02	20.4
15	256QAM	36	20	18.78	18.90	18.98	
15	256QAM	36	39	18.68	18.87	18.93	

15	256QAM	75	0	18.71	18.99	18.94	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.85	25.88	25.95	26.1
10	QPSK	1	25	25.84	25.82	25.80	
10	QPSK	1	49	25.91	25.89	25.77	
10	QPSK	25	0	24.83	24.90	24.97	26.1
10	QPSK	25	12	24.76	24.82	24.81	
10	QPSK	25	25	24.84	24.95	24.88	
10	QPSK	50	0	24.90	24.74	24.84	
10	16QAM	1	0	25.46	25.58	25.35	26.1
10	16QAM	1	25	25.27	25.39	25.36	
10	16QAM	1	49	25.30	25.37	25.37	
10	16QAM	25	0	23.90	23.95	23.98	25.4
10	16QAM	25	12	23.91	23.82	23.80	
10	16QAM	25	25	23.77	23.87	23.85	
10	16QAM	50	0	23.82	23.88	23.84	
10	64QAM	1	0	23.75	24.10	24.08	25.4
10	64QAM	1	25	23.78	23.70	23.66	
10	64QAM	1	49	23.63	23.67	23.82	
10	64QAM	25	0	22.89	22.82	22.79	24.4
10	64QAM	25	12	22.90	22.94	22.91	
10	64QAM	25	25	22.98	22.82	22.82	
10	64QAM	50	0	22.83	22.80	22.99	
10	256QAM	1	0	21.45	21.55	21.51	22.4
10	256QAM	1	25	21.15	21.15	21.20	
10	256QAM	1	49	21.06	21.23	21.19	
10	256QAM	25	0	18.76	19.01	18.93	20.4
10	256QAM	25	12	18.79	18.96	19.04	
10	256QAM	25	25	18.68	18.81	18.83	
10	256QAM	50	0	18.61	18.85	18.97	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.81	25.91	25.87	26.1
5	QPSK	1	12	25.92	25.90	25.88	
5	QPSK	1	24	25.76	25.83	25.86	
5	QPSK	12	0	24.85	24.90	24.77	26.1
5	QPSK	12	7	24.90	24.78	24.95	
5	QPSK	12	13	24.93	24.86	24.95	
5	QPSK	25	0	24.93	24.78	24.94	
5	16QAM	1	0	25.29	25.46	25.33	26.1
5	16QAM	1	12	25.36	25.37	25.35	
5	16QAM	1	24	25.42	25.38	25.34	
5	16QAM	12	0	23.98	23.81	23.79	25.4
5	16QAM	12	7	23.92	23.79	23.87	
5	16QAM	12	13	23.83	23.75	23.84	
5	16QAM	25	0	23.96	23.81	23.91	
5	64QAM	1	0	23.77	23.95	24.05	25.4
5	64QAM	1	12	23.73	23.69	23.71	
5	64QAM	1	24	23.72	23.68	23.85	
5	64QAM	12	0	22.81	22.83	22.98	24.4
5	64QAM	12	7	22.82	22.82	22.87	
5	64QAM	12	13	22.99	22.98	22.95	
5	64QAM	25	0	22.82	22.94	22.86	
5	256QAM	1	0	21.34	21.63	21.44	22.4
5	256QAM	1	12	21.01	21.18	21.16	
5	256QAM	1	24	21.01	21.28	21.04	
5	256QAM	12	0	18.82	19.06	19.05	20.4
5	256QAM	12	7	18.90	19.08	18.90	
5	256QAM	12	13	18.85	18.99	18.78	
5	256QAM	25	0	18.63	18.83	18.84	

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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	25.98	25.94	25.95	26.9
20	QPSK	1	49	25.96	25.91	25.92	
20	QPSK	1	99	25.91	25.92	25.93	
20	QPSK	50	0	24.98	24.97	24.97	26.4
20	QPSK	50	24	24.96	24.95	24.96	
20	QPSK	50	50	24.94	24.95	24.95	
20	QPSK	100	0	24.98	24.93	24.95	
20	16QAM	1	0	25.46	25.59	25.35	26.4
20	16QAM	1	49	25.46	25.45	25.43	
20	16QAM	1	99	25.49	25.50	25.49	
20	16QAM	50	0	23.98	23.97	23.99	25.4
20	16QAM	50	24	23.94	23.93	23.95	
20	16QAM	50	50	23.93	23.93	23.97	
20	16QAM	100	0	23.96	23.95	24.04	
20	64QAM	1	0	23.90	24.14	24.15	25.4
20	64QAM	1	49	23.81	23.83	23.86	
20	64QAM	1	99	23.80	23.80	23.86	
20	64QAM	50	0	22.97	22.96	22.99	24.4
20	64QAM	50	24	22.97	23.00	22.99	
20	64QAM	50	50	22.99	22.98	23.00	
20	64QAM	100	0	22.97	22.97	23.01	
20	256QAM	1	0	21.49	21.63	21.63	22.4
20	256QAM	1	49	21.15	21.33	21.25	
20	256QAM	1	99	21.12	21.31	21.23	
20	256QAM	50	0	18.90	19.14	19.12	20.4
20	256QAM	50	24	18.93	19.08	19.08	
20	256QAM	50	50	18.86	19.01	18.93	
20	256QAM	100	0	18.80	19.01	18.99	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.83	25.92	25.86	26.9
15	QPSK	1	37	25.82	25.73	25.75	
15	QPSK	1	74	25.88	25.91	25.93	
15	QPSK	36	0	24.94	24.83	24.77	26.4
15	QPSK	36	20	24.79	24.86	24.76	
15	QPSK	36	39	24.76	24.90	24.81	
15	QPSK	75	0	24.95	24.93	24.80	
15	16QAM	1	0	25.42	25.47	25.31	26.4
15	16QAM	1	37	25.40	25.28	25.23	
15	16QAM	1	74	25.45	25.42	25.45	
15	16QAM	36	0	23.86	23.86	23.80	25.4
15	16QAM	36	20	23.77	23.80	23.84	
15	16QAM	36	39	23.81	23.78	23.84	
15	16QAM	75	0	23.76	23.83	24.04	
15	64QAM	1	0	23.88	23.97	24.11	25.4
15	64QAM	1	37	23.74	23.83	23.79	
15	64QAM	1	74	23.65	23.61	23.80	
15	64QAM	36	0	22.79	22.83	22.79	24.4
15	64QAM	36	20	22.83	22.91	22.94	
15	64QAM	36	39	22.92	22.95	22.93	
15	64QAM	75	0	22.97	22.93	22.92	
15	256QAM	1	0	21.43	21.51	21.55	22.4
15	256QAM	1	37	21.07	21.14	21.21	
15	256QAM	1	74	21.10	21.25	21.15	
15	256QAM	36	0	18.81	18.98	19.02	20.4
15	256QAM	36	20	18.78	18.90	18.98	
15	256QAM	36	39	18.68	18.87	18.93	

15	256QAM	75	0	18.71	18.99	18.94	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.85	25.88	25.95	26.9
10	QPSK	1	25	25.84	25.82	25.80	
10	QPSK	1	49	25.91	25.89	25.77	
10	QPSK	25	0	24.83	24.90	24.97	26.4
10	QPSK	25	12	24.76	24.82	24.81	
10	QPSK	25	25	24.84	24.95	24.88	
10	QPSK	50	0	24.90	24.74	24.84	
10	16QAM	1	0	25.46	25.58	25.35	26.4
10	16QAM	1	25	25.27	25.39	25.36	
10	16QAM	1	49	25.30	25.37	25.37	
10	16QAM	25	0	23.90	23.95	23.98	25.4
10	16QAM	25	12	23.91	23.82	23.80	
10	16QAM	25	25	23.77	23.87	23.85	
10	16QAM	50	0	23.82	23.88	23.84	
10	64QAM	1	0	23.75	24.10	24.08	25.4
10	64QAM	1	25	23.78	23.70	23.66	
10	64QAM	1	49	23.63	23.67	23.82	
10	64QAM	25	0	22.89	22.82	22.79	24.4
10	64QAM	25	12	22.90	22.94	22.91	
10	64QAM	25	25	22.98	22.82	22.82	
10	64QAM	50	0	22.83	22.80	22.99	
10	256QAM	1	0	21.45	21.55	21.51	22.4
10	256QAM	1	25	21.15	21.15	21.20	
10	256QAM	1	49	21.06	21.23	21.19	
10	256QAM	25	0	18.76	19.01	18.93	20.4
10	256QAM	25	12	18.79	18.96	19.04	
10	256QAM	25	25	18.68	18.81	18.83	
10	256QAM	50	0	18.61	18.85	18.97	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.81	25.91	25.87	26.9
5	QPSK	1	12	25.92	25.90	25.88	
5	QPSK	1	24	25.76	25.83	25.86	
5	QPSK	12	0	24.85	24.90	24.77	26.4
5	QPSK	12	7	24.90	24.78	24.95	
5	QPSK	12	13	24.93	24.86	24.95	
5	QPSK	25	0	24.93	24.78	24.94	
5	16QAM	1	0	25.29	25.46	25.33	26.4
5	16QAM	1	12	25.36	25.37	25.35	
5	16QAM	1	24	25.42	25.38	25.34	
5	16QAM	12	0	23.98	23.81	23.79	25.4
5	16QAM	12	7	23.92	23.79	23.87	
5	16QAM	12	13	23.83	23.75	23.84	
5	16QAM	25	0	23.96	23.81	23.91	
5	64QAM	1	0	23.77	23.95	24.05	25.4
5	64QAM	1	12	23.73	23.69	23.71	
5	64QAM	1	24	23.72	23.68	23.85	
5	64QAM	12	0	22.81	22.83	22.98	24.4
5	64QAM	12	7	22.82	22.82	22.87	
5	64QAM	12	13	22.99	22.98	22.95	
5	64QAM	25	0	22.82	22.94	22.86	
5	256QAM	1	0	21.34	21.63	21.44	22.4
5	256QAM	1	12	21.01	21.18	21.16	
5	256QAM	1	24	21.01	21.28	21.04	
5	256QAM	12	0	18.82	19.06	19.05	20.4
5	256QAM	12	7	18.90	19.08	18.90	
5	256QAM	12	13	18.85	18.99	18.78	
5	256QAM	25	0	18.63	18.83	18.84	

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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	25.98	25.94	25.95	26.1
20	QPSK	1	49	25.96	25.91	25.92	
20	QPSK	1	99	25.91	25.92	25.93	
20	QPSK	50	0	24.98	24.97	24.97	25.1
20	QPSK	50	24	24.96	24.95	24.96	
20	QPSK	50	50	24.94	24.95	24.95	
20	QPSK	100	0	24.98	24.93	24.95	
20	16QAM	1	0	24.96	25.09	24.85	25.1
20	16QAM	1	49	24.96	24.95	24.93	
20	16QAM	1	99	24.99	25.00	24.99	
20	16QAM	50	0	23.98	23.97	23.99	24.1
20	16QAM	50	24	23.94	23.93	23.95	
20	16QAM	50	50	23.93	23.93	23.97	
20	16QAM	100	0	23.96	23.95	24.04	
20	64QAM	1	0	23.90	24.00	24.00	24.1
20	64QAM	1	49	23.81	23.83	23.86	
20	64QAM	1	99	23.80	23.80	23.86	
20	64QAM	50	0	22.97	22.96	22.99	23.1
20	64QAM	50	24	22.97	23.00	22.99	
20	64QAM	50	50	22.99	22.98	23.00	
20	64QAM	100	0	22.97	22.97	23.01	
20	256QAM	1	0	20.99	21.05	21.02	21.1
20	256QAM	1	49	20.65	20.83	20.75	
20	256QAM	1	99	20.62	20.81	20.73	
20	256QAM	50	0	18.90	19.01	18.99	19.1
20	256QAM	50	24	18.93	19.08	19.08	
20	256QAM	50	50	18.86	19.01	18.93	
20	256QAM	100	0	18.80	19.01	18.99	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.83	25.92	25.86	26.1
15	QPSK	1	37	25.82	25.73	25.75	
15	QPSK	1	74	25.88	25.91	25.93	
15	QPSK	36	0	24.94	24.83	24.77	25.1
15	QPSK	36	20	24.79	24.86	24.76	
15	QPSK	36	39	24.76	24.90	24.81	
15	QPSK	75	0	24.95	24.93	24.80	
15	16QAM	1	0	24.92	24.97	24.81	25.1
15	16QAM	1	37	24.90	24.78	24.73	
15	16QAM	1	74	24.95	24.92	24.95	
15	16QAM	36	0	23.86	23.86	23.80	24.1
15	16QAM	36	20	23.77	23.80	23.84	
15	16QAM	36	39	23.81	23.78	23.84	
15	16QAM	75	0	23.76	23.83	24.04	
15	64QAM	1	0	23.88	23.97	23.88	24.1
15	64QAM	1	37	23.74	23.83	23.79	
15	64QAM	1	74	23.65	23.61	23.80	
15	64QAM	36	0	22.79	22.83	22.79	23.1
15	64QAM	36	20	22.83	22.91	22.94	
15	64QAM	36	39	22.92	22.95	22.93	
15	64QAM	75	0	22.97	22.93	22.92	
15	256QAM	1	0	20.93	21.01	21.05	21.1
15	256QAM	1	37	20.57	20.64	20.71	
15	256QAM	1	74	20.60	20.75	20.65	
15	256QAM	36	0	18.81	18.98	19.02	19.1
15	256QAM	36	20	18.78	18.90	18.98	
15	256QAM	36	39	18.68	18.87	18.93	

15	256QAM	75	0	18.71	18.99	18.94	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	25.85	25.88	25.95	26.1
10	QPSK	1	25	25.84	25.82	25.80	
10	QPSK	1	49	25.91	25.89	25.77	
10	QPSK	25	0	24.83	24.90	24.97	25.1
10	QPSK	25	12	24.76	24.82	24.81	
10	QPSK	25	25	24.84	24.95	24.88	
10	QPSK	50	0	24.90	24.74	24.84	
10	16QAM	1	0	24.96	25.08	24.85	25.1
10	16QAM	1	25	24.77	24.89	24.86	
10	16QAM	1	49	24.80	24.87	24.87	
10	16QAM	25	0	23.90	23.95	23.98	24.1
10	16QAM	25	12	23.91	23.82	23.80	
10	16QAM	25	25	23.77	23.87	23.85	
10	16QAM	50	0	23.82	23.88	23.84	
10	64QAM	1	0	23.75	24.10	24.08	24.1
10	64QAM	1	25	23.78	23.70	23.66	
10	64QAM	1	49	23.63	23.67	23.82	
10	64QAM	25	0	22.89	22.82	22.79	23.1
10	64QAM	25	12	22.90	22.94	22.91	
10	64QAM	25	25	22.98	22.82	22.82	
10	64QAM	50	0	22.83	22.80	22.99	
10	256QAM	1	0	20.95	21.05	21.01	21.1
10	256QAM	1	25	20.65	20.65	20.70	
10	256QAM	1	49	20.56	20.73	20.69	
10	256QAM	25	0	18.76	19.01	18.93	19.1
10	256QAM	25	12	18.79	18.96	19.04	
10	256QAM	25	25	18.68	18.81	18.83	
10	256QAM	50	0	18.61	18.85	18.97	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	25.81	25.91	25.87	26.1
5	QPSK	1	12	25.92	25.90	25.88	
5	QPSK	1	24	25.76	25.83	25.86	
5	QPSK	12	0	24.85	24.90	24.77	25.1
5	QPSK	12	7	24.90	24.78	24.95	
5	QPSK	12	13	24.93	24.86	24.95	
5	QPSK	25	0	24.93	24.78	24.94	
5	16QAM	1	0	24.79	24.96	24.83	25.1
5	16QAM	1	12	24.86	24.87	24.85	
5	16QAM	1	24	24.92	24.88	24.84	
5	16QAM	12	0	23.98	23.81	23.79	24.1
5	16QAM	12	7	23.92	23.79	23.87	
5	16QAM	12	13	23.83	23.75	23.84	
5	16QAM	25	0	23.96	23.81	23.91	
5	64QAM	1	0	23.77	23.95	24.05	24.1
5	64QAM	1	12	23.73	23.69	23.71	
5	64QAM	1	24	23.72	23.68	23.85	
5	64QAM	12	0	22.81	22.83	22.98	23.1
5	64QAM	12	7	22.82	22.82	22.87	
5	64QAM	12	13	22.99	22.98	22.95	
5	64QAM	25	0	22.82	22.94	22.86	
5	256QAM	1	0	20.84	21.02	20.94	21.1
5	256QAM	1	12	20.51	20.68	20.66	
5	256QAM	1	24	20.51	20.78	20.54	
5	256QAM	12	0	18.82	19.06	19.05	19.1
5	256QAM	12	7	18.90	19.08	18.90	
5	256QAM	12	13	18.85	18.99	18.78	
5	256QAM	25	0	18.63	18.83	18.84	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.31	24.27	24.35	24.25	24.12	25.4
20	QPSK	1	49	24.24	24.22	24.32	24.22	24.10	
20	QPSK	1	99	24.22	24.17	24.23	24.21	24.13	
20	QPSK	50	0	23.30	23.22	23.31	23.22	23.13	24.4
20	QPSK	50	24	23.29	23.21	23.24	23.21	23.08	
20	QPSK	50	50	23.29	23.20	23.22	23.22	23.12	
20	QPSK	100	0	23.28	23.18	23.30	23.18	23.08	
20	16QAM	1	0	23.37	23.29	23.40	23.27	23.21	24.4
20	16QAM	1	49	23.25	23.22	23.30	23.18	23.17	
20	16QAM	1	99	23.25	23.30	23.26	23.19	23.13	
20	16QAM	50	0	22.29	22.23	22.28	22.25	22.10	23.4
20	16QAM	50	24	22.27	22.27	22.31	22.27	22.14	
20	16QAM	50	50	22.24	22.24	22.27	22.24	22.14	
20	16QAM	100	0	22.25	22.24	22.30	22.21	22.16	
20	64QAM	1	0	22.22	22.06	22.01	21.97	21.68	23.4
20	64QAM	1	49	22.02	22.06	21.96	21.90	21.72	
20	64QAM	1	99	22.11	22.10	21.91	21.94	21.80	
20	64QAM	50	0	21.29	21.25	21.33	21.23	21.11	22.4
20	64QAM	50	24	21.30	21.24	21.28	21.23	21.12	
20	64QAM	50	50	21.27	21.22	21.26	21.25	21.18	
20	64QAM	100	0	21.29	21.25	21.24	21.27	21.17	
20	256QAM	1	0	19.41	19.22	19.45	19.35	18.92	20.4
20	256QAM	1	49	19.08	18.86	19.16	18.98	18.61	
20	256QAM	1	99	18.92	18.76	19.05	18.89	18.46	
20	256QAM	50	0	17.33	17.17	17.42	17.24	16.80	18.4
20	256QAM	50	24	17.34	17.16	17.40	17.28	16.81	
20	256QAM	50	50	17.30	17.03	17.34	17.15	16.74	
20	256QAM	100	0	17.23	17.07	17.33	17.23	16.79	
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	24.29	24.18	24.26	24.11	24.09	25.40
15	QPSK	1	37	24.12	24.17	24.16	24.13	23.92	
15	QPSK	1	74	24.10	24.12	24.11	24.16	24.02	
15	QPSK	36	0	23.14	23.19	23.28	23.04	23.10	24.4
15	QPSK	36	20	23.09	23.10	23.11	23.05	23.07	
15	QPSK	36	39	23.12	23.07	23.14	23.08	23.06	
15	QPSK	75	0	23.10	23.04	23.24	22.98	22.92	
15	16QAM	1	0	23.28	23.11	23.31	23.22	23.19	24.4
15	16QAM	1	37	23.24	23.04	23.27	23.13	23.15	
15	16QAM	1	74	23.13	23.12	23.20	23.00	22.93	
15	16QAM	36	0	22.20	22.04	22.14	22.18	22.05	23.4
15	16QAM	36	20	22.16	22.15	22.11	22.23	22.10	
15	16QAM	36	39	22.06	22.21	22.17	22.23	21.95	
15	16QAM	75	0	22.20	22.17	22.19	22.07	22.09	
15	64QAM	1	0	22.03	22.00	22.00	21.90	21.57	23.4
15	64QAM	1	37	21.91	22.03	21.95	21.81	21.63	
15	64QAM	1	74	21.94	22.04	21.91	21.79	21.68	
15	64QAM	36	0	21.09	21.10	21.16	21.14	21.02	22.4
15	64QAM	36	20	21.22	21.17	21.21	21.07	21.12	
15	64QAM	36	39	21.13	21.21	21.06	21.08	21.07	
15	64QAM	75	0	21.12	21.14	21.21	21.21	21.14	
15	256QAM	1	0	19.33	19.02	19.41	19.24	18.86	20.4
15	256QAM	1	37	18.96	18.83	19.06	18.91	18.58	
15	256QAM	1	74	18.82	18.58	19.02	18.72	18.41	
15	256QAM	36	0	17.27	16.98	17.32	17.08	16.73	18.4
15	256QAM	36	20	17.27	17.10	17.32	17.23	16.68	
15	256QAM	36	39	17.14	16.85	17.23	17.13	16.54	

15	256QAM	75	0	17.11	16.94	17.15	17.09	16.59	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.13	24.15	24.20	24.25	23.96	25.40
10	QPSK	1	25	24.24	24.06	24.17	24.07	23.97	
10	QPSK	1	49	24.02	24.02	24.23	24.19	23.98	
10	QPSK	25	0	23.15	23.17	23.26	23.16	23.00	24.4
10	QPSK	25	12	23.13	23.16	23.11	23.14	22.99	
10	QPSK	25	25	23.14	23.05	23.02	23.18	22.97	
10	QPSK	50	0	23.24	23.16	23.14	23.01	22.91	
10	16QAM	1	0	23.21	23.20	23.29	23.07	23.01	24.4
10	16QAM	1	25	23.18	23.11	23.23	23.00	23.01	
10	16QAM	1	49	23.17	23.13	23.13	23.13	23.08	
10	16QAM	25	0	22.13	22.15	22.21	22.18	22.01	23.4
10	16QAM	25	12	22.08	22.21	22.22	22.26	22.09	
10	16QAM	25	25	22.13	22.09	22.09	22.23	22.14	
10	16QAM	50	0	22.05	22.05	22.21	22.03	22.09	
10	64QAM	1	0	22.07	21.87	21.81	21.82	21.65	23.4
10	64QAM	1	25	21.99	22.02	21.94	21.85	21.58	
10	64QAM	1	49	22.03	21.92	21.74	21.74	21.63	
10	64QAM	25	0	21.25	21.12	21.27	21.17	20.92	22.4
10	64QAM	25	12	21.12	21.16	21.19	21.13	21.07	
10	64QAM	25	25	21.12	21.11	21.14	21.25	21.17	
10	64QAM	50	0	21.13	21.11	21.23	21.10	21.08	
10	256QAM	1	0	19.26	19.18	19.28	19.33	18.75	20.4
10	256QAM	1	25	18.88	18.86	19.05	18.93	18.43	
10	256QAM	1	49	18.80	18.61	19.01	18.84	18.41	
10	256QAM	25	0	17.18	17.00	17.42	17.21	16.76	18.4
10	256QAM	25	12	17.22	17.10	17.22	17.27	16.73	
10	256QAM	25	25	17.30	16.88	17.20	17.13	16.59	
10	256QAM	50	0	17.08	17.00	17.17	17.07	16.73	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.16	24.22	24.30	24.21	24.04	25.40
5	QPSK	1	12	24.04	24.02	24.30	24.20	23.94	
5	QPSK	1	24	24.07	24.11	24.16	24.06	23.99	
5	QPSK	12	0	23.17	23.22	23.17	23.15	23.02	24.4
5	QPSK	12	7	23.10	23.08	23.12	23.05	23.07	
5	QPSK	12	13	23.15	23.04	23.22	23.15	23.03	
5	QPSK	25	0	23.17	23.13	23.30	23.07	22.93	
5	16QAM	1	0	23.21	23.20	23.27	23.08	23.04	24.4
5	16QAM	1	12	23.08	23.10	23.30	23.14	23.10	
5	16QAM	1	24	23.06	23.27	23.10	23.06	23.11	
5	16QAM	12	0	22.29	22.16	22.19	22.25	22.08	23.4
5	16QAM	12	7	22.12	22.11	22.20	22.15	21.98	
5	16QAM	12	13	22.19	22.10	22.10	22.16	22.10	
5	16QAM	25	0	22.14	22.22	22.19	22.07	22.02	
5	64QAM	1	0	22.09	21.97	21.95	21.89	21.64	23.4
5	64QAM	1	12	22.00	21.98	21.88	21.78	21.58	
5	64QAM	1	24	21.96	22.03	21.82	21.86	21.71	
5	64QAM	12	0	21.18	21.08	21.29	21.14	21.03	22.4
5	64QAM	12	7	21.10	21.14	21.25	21.15	21.06	
5	64QAM	12	13	21.25	21.11	21.11	21.12	21.01	
5	64QAM	25	0	21.18	21.22	21.12	21.13	21.12	
5	256QAM	1	0	19.23	19.20	19.32	19.33	18.74	20.4
5	256QAM	1	12	19.04	18.71	19.02	18.86	18.59	
5	256QAM	1	24	18.92	18.72	18.91	18.78	18.42	
5	256QAM	12	0	17.15	17.12	17.36	17.14	16.76	18.4
5	256QAM	12	7	17.22	17.11	17.39	17.20	16.76	
5	256QAM	12	13	17.24	16.90	17.31	16.97	16.70	
5	256QAM	25	0	17.15	17.03	17.15	17.07	16.67	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	20.72	20.70	20.80	20.71	20.52	20.9
20	QPSK	1	49	20.66	20.69	20.71	20.70	20.47	
20	QPSK	1	99	20.67	20.66	20.70	20.67	20.44	
20	QPSK	50	0	20.64	20.68	20.72	20.66	20.54	20.9
20	QPSK	50	24	20.63	20.68	20.70	20.64	20.52	
20	QPSK	50	50	20.64	20.67	20.69	20.63	20.53	
20	QPSK	100	0	20.65	20.70	20.71	20.66	20.50	
20	16QAM	1	0	20.78	20.76	20.76	20.68	20.58	20.9
20	16QAM	1	49	20.76	20.73	20.74	20.70	20.63	
20	16QAM	1	99	20.31	20.75	20.67	20.64	20.55	
20	16QAM	50	0	20.69	20.69	20.73	20.66	20.50	20.9
20	16QAM	50	24	20.68	20.68	20.72	20.63	20.50	
20	16QAM	50	50	20.66	20.68	20.70	20.64	20.52	
20	16QAM	100	0	20.69	20.70	20.72	20.66	20.51	
20	64QAM	1	0	20.72	20.54	20.59	20.48	20.23	20.9
20	64QAM	1	49	20.61	20.48	20.51	20.48	20.27	
20	64QAM	1	99	20.57	20.52	20.48	20.47	20.29	
20	64QAM	50	0	20.71	20.69	20.73	20.65	20.51	20.9
20	64QAM	50	24	20.68	20.69	20.73	20.63	20.52	
20	64QAM	50	50	20.67	20.69	20.70	20.63	20.52	
20	64QAM	100	0	20.68	20.67	20.70	20.65	20.49	
20	256QAM	1	0	19.34	19.33	19.57	19.30	18.96	20.4
20	256QAM	1	49	19.01	18.87	19.23	18.95	18.63	
20	256QAM	1	99	18.99	18.88	18.96	18.87	18.53	
20	256QAM	50	0	17.27	17.09	17.40	17.15	16.78	18.4
20	256QAM	50	24	17.28	17.14	17.44	17.21	16.80	
20	256QAM	50	50	17.32	16.89	17.26	17.01	16.58	
20	256QAM	100	0	17.13	17.10	17.39	17.24	16.71	
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	20.56	20.50	20.63	20.69	20.40	20.90
15	QPSK	1	37	20.60	20.50	20.66	20.65	20.36	
15	QPSK	1	74	20.55	20.56	20.63	20.63	20.26	
15	QPSK	36	0	20.64	20.66	20.58	20.50	20.47	20.9
15	QPSK	36	20	20.43	20.60	20.63	20.53	20.50	
15	QPSK	36	39	20.55	20.57	20.62	20.63	20.33	
15	QPSK	75	0	20.52	20.60	20.51	20.60	20.47	
15	16QAM	1	0	20.73	20.68	20.69	20.58	20.58	20.9
15	16QAM	1	37	20.71	20.53	20.74	20.51	20.56	
15	16QAM	1	74	20.28	20.67	20.60	20.52	20.39	
15	16QAM	36	0	20.51	20.59	20.59	20.54	20.46	20.9
15	16QAM	36	20	20.56	20.52	20.72	20.52	20.33	
15	16QAM	36	39	20.47	20.60	20.62	20.52	20.49	
15	16QAM	75	0	20.65	20.50	20.72	20.66	20.32	
15	64QAM	1	0	20.60	20.54	20.45	20.37	20.23	20.9
15	64QAM	1	37	20.44	20.41	20.39	20.28	20.14	
15	64QAM	1	74	20.41	20.34	20.46	20.37	20.11	
15	64QAM	36	0	20.59	20.50	20.65	20.47	20.45	20.9
15	64QAM	36	20	20.66	20.61	20.61	20.45	20.40	
15	64QAM	36	39	20.67	20.55	20.62	20.53	20.50	
15	64QAM	75	0	20.51	20.59	20.51	20.47	20.29	
15	256QAM	1	0	19.21	19.14	19.52	19.10	18.79	20.4
15	256QAM	1	37	18.86	18.74	19.07	18.83	18.62	
15	256QAM	1	74	18.91	18.73	18.82	18.70	18.47	
15	256QAM	36	0	17.16	17.04	17.27	17.00	16.63	18.4
15	256QAM	36	20	17.24	16.98	17.43	17.18	16.64	
15	256QAM	36	39	17.19	16.88	17.17	16.81	16.42	

15	256QAM	75	0	16.98	16.95	17.19	17.15	16.64	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.67	20.60	20.75	20.51	20.42	20.90
10	QPSK	1	25	20.60	20.52	20.62	20.66	20.38	
10	QPSK	1	49	20.47	20.49	20.58	20.47	20.38	
10	QPSK	25	0	20.49	20.51	20.54	20.65	20.36	20.9
10	QPSK	25	12	20.47	20.53	20.52	20.61	20.48	
10	QPSK	25	25	20.59	20.53	20.62	20.62	20.49	
10	QPSK	50	0	20.50	20.59	20.67	20.59	20.34	
10	16QAM	1	0	20.58	20.64	20.67	20.51	20.51	20.9
10	16QAM	1	25	20.72	20.66	20.55	20.64	20.63	
10	16QAM	1	49	20.26	20.70	20.48	20.60	20.45	
10	16QAM	25	0	20.69	20.62	20.58	20.52	20.48	20.9
10	16QAM	25	12	20.61	20.59	20.52	20.59	20.31	
10	16QAM	25	25	20.53	20.53	20.57	20.44	20.43	
10	16QAM	50	0	20.60	20.61	20.62	20.55	20.49	
10	64QAM	1	0	20.56	20.37	20.41	20.34	20.15	20.9
10	64QAM	1	25	20.46	20.38	20.32	20.28	20.09	
10	64QAM	1	49	20.51	20.42	20.36	20.36	20.14	
10	64QAM	25	0	20.58	20.52	20.59	20.65	20.36	20.9
10	64QAM	25	12	20.49	20.66	20.71	20.55	20.52	
10	64QAM	25	25	20.47	20.51	20.66	20.63	20.46	
10	64QAM	50	0	20.58	20.51	20.63	20.51	20.31	
10	256QAM	1	0	19.15	19.23	19.55	19.30	18.93	20.4
10	256QAM	1	25	18.84	18.67	19.15	18.78	18.45	
10	256QAM	1	49	18.90	18.72	18.85	18.85	18.46	
10	256QAM	25	0	17.15	17.01	17.39	16.99	16.77	18.4
10	256QAM	25	12	17.27	17.12	17.34	17.08	16.69	
10	256QAM	25	25	17.22	16.78	17.12	16.85	16.49	
10	256QAM	50	0	16.97	16.94	17.35	17.11	16.53	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	20.70	20.57	20.61	20.60	20.43	20.90
5	QPSK	1	12	20.53	20.69	20.57	20.59	20.42	
5	QPSK	1	24	20.58	20.59	20.69	20.66	20.42	
5	QPSK	12	0	20.54	20.65	20.58	20.60	20.36	20.9
5	QPSK	12	7	20.44	20.51	20.54	20.49	20.50	
5	QPSK	12	13	20.50	20.66	20.64	20.52	20.50	
5	QPSK	25	0	20.50	20.54	20.66	20.62	20.36	
5	16QAM	1	0	20.62	20.65	20.59	20.62	20.53	20.9
5	16QAM	1	12	20.67	20.53	20.68	20.50	20.62	
5	16QAM	1	24	20.15	20.56	20.56	20.52	20.44	
5	16QAM	12	0	20.55	20.58	20.72	20.61	20.43	20.9
5	16QAM	12	7	20.64	20.59	20.62	20.49	20.31	
5	16QAM	12	13	20.51	20.65	20.69	20.63	20.50	
5	16QAM	25	0	20.68	20.69	20.70	20.50	20.50	
5	64QAM	1	0	20.57	20.34	20.48	20.36	20.23	20.9
5	64QAM	1	12	20.48	20.40	20.47	20.38	20.18	
5	64QAM	1	24	20.41	20.45	20.35	20.31	20.27	
5	64QAM	12	0	20.59	20.49	20.62	20.55	20.33	20.9
5	64QAM	12	7	20.51	20.54	20.68	20.56	20.45	
5	64QAM	12	13	20.52	20.61	20.54	20.51	20.36	
5	64QAM	25	0	20.53	20.61	20.67	20.52	20.30	
5	256QAM	1	0	19.15	19.15	19.49	19.18	18.91	20.4
5	256QAM	1	12	18.88	18.77	19.17	18.92	18.58	
5	256QAM	1	24	18.83	18.76	18.83	18.77	18.48	
5	256QAM	12	0	17.08	17.04	17.26	17.05	16.67	18.4
5	256QAM	12	7	17.12	17.08	17.40	17.04	16.65	
5	256QAM	12	13	17.23	16.81	17.23	16.85	16.55	
5	256QAM	25	0	17.06	16.90	17.38	17.06	16.61	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	21.95	21.93	21.97	21.89	21.72	23.1
20	QPSK	1	49	21.93	21.92	21.96	21.85	21.65	
20	QPSK	1	99	21.88	21.86	21.88	21.88	21.72	
20	QPSK	50	0	21.93	21.91	21.93	21.89	21.77	23.1
20	QPSK	50	24	21.87	21.88	21.91	21.89	21.76	
20	QPSK	50	50	21.87	21.90	21.90	21.88	21.78	
20	QPSK	100	0	21.86	21.85	21.90	21.89	21.73	
20	16QAM	1	0	21.89	21.84	21.87	21.80	21.80	23.1
20	16QAM	1	49	21.83	21.73	21.85	21.93	21.82	
20	16QAM	1	99	21.77	21.78	21.95	21.95	21.78	
20	16QAM	50	0	21.89	21.91	21.77	21.89	21.73	23.1
20	16QAM	50	24	21.88	21.90	21.92	21.89	21.76	
20	16QAM	50	50	21.86	21.88	21.91	21.88	21.76	
20	16QAM	100	0	21.87	21.89	21.93	21.86	21.75	
20	64QAM	1	0	21.69	21.72	21.84	21.83	21.56	23.1
20	64QAM	1	49	21.73	21.73	21.90	21.76	21.55	
20	64QAM	1	99	21.66	21.64	21.74	21.75	21.58	
20	64QAM	50	0	21.38	21.40	21.46	21.38	21.24	22.4
20	64QAM	50	24	21.37	21.37	21.42	21.38	21.25	
20	64QAM	50	50	21.35	21.37	21.40	21.38	21.24	
20	64QAM	100	0	21.34	21.38	21.43	21.37	21.21	
20	256QAM	1	0	19.44	19.28	19.48	19.34	19.02	20.4
20	256QAM	1	49	19.04	18.82	19.22	19.02	18.71	
20	256QAM	1	99	18.96	18.84	19.01	18.93	18.43	
20	256QAM	50	0	17.36	17.07	17.50	17.18	16.82	18.4
20	256QAM	50	24	17.26	17.21	17.44	17.21	16.79	
20	256QAM	50	50	17.25	16.97	17.32	17.10	16.67	
20	256QAM	100	0	17.17	17.03	17.36	17.28	16.76	
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	21.75	21.87	21.93	21.77	21.54	23.10
15	QPSK	1	37	21.87	21.79	21.93	21.76	21.59	
15	QPSK	1	74	21.68	21.84	21.83	21.70	21.52	
15	QPSK	36	0	21.77	21.76	21.83	21.79	21.64	23.1
15	QPSK	36	20	21.75	21.86	21.91	21.86	21.71	
15	QPSK	36	39	21.84	21.72	21.76	21.88	21.76	
15	QPSK	75	0	21.78	21.79	21.73	21.85	21.65	
15	16QAM	1	0	21.84	21.78	21.77	21.60	21.67	23.1
15	16QAM	1	37	21.83	21.70	21.68	21.82	21.77	
15	16QAM	1	74	21.69	21.61	21.80	21.81	21.70	
15	16QAM	36	0	21.79	21.79	21.69	21.69	21.63	23.1
15	16QAM	36	20	21.79	21.83	21.90	21.88	21.64	
15	16QAM	36	39	21.66	21.74	21.76	21.71	21.73	
15	16QAM	75	0	21.68	21.89	21.76	21.83	21.70	
15	64QAM	1	0	21.49	21.62	21.76	21.82	21.53	23.1
15	64QAM	1	37	21.72	21.63	21.79	21.59	21.47	
15	64QAM	1	74	21.62	21.45	21.70	21.66	21.45	
15	64QAM	36	0	21.37	21.38	21.33	21.26	21.23	22.4
15	64QAM	36	20	21.27	21.30	21.29	21.20	21.10	
15	64QAM	36	39	21.20	21.32	21.28	21.25	21.09	
15	64QAM	75	0	21.26	21.19	21.40	21.21	21.05	
15	256QAM	1	0	19.26	19.27	19.47	19.24	18.93	20.4
15	256QAM	1	37	18.86	18.65	19.17	18.97	18.62	
15	256QAM	1	74	18.82	18.69	18.97	18.80	18.43	
15	256QAM	36	0	17.30	17.04	17.32	17.05	16.77	18.4
15	256QAM	36	20	17.17	17.13	17.25	17.10	16.63	
15	256QAM	36	39	17.20	16.94	17.28	17.05	16.49	

15	256QAM	75	0	17.01	16.92	17.24	17.09	16.61	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.82	21.75	21.89	21.72	21.71	23.10
10	QPSK	1	25	21.85	21.84	21.83	21.70	21.52	
10	QPSK	1	49	21.83	21.86	21.78	21.88	21.53	
10	QPSK	25	0	21.84	21.90	21.90	21.76	21.58	23.1
10	QPSK	25	12	21.75	21.83	21.79	21.73	21.76	
10	QPSK	25	25	21.69	21.71	21.75	21.77	21.72	
10	QPSK	50	0	21.77	21.78	21.83	21.82	21.65	
10	16QAM	1	0	21.81	21.73	21.84	21.64	21.74	23.1
10	16QAM	1	25	21.63	21.53	21.79	21.91	21.79	
10	16QAM	1	49	21.76	21.72	21.76	21.94	21.64	
10	16QAM	25	0	21.80	21.91	21.69	21.85	21.73	23.1
10	16QAM	25	12	21.77	21.85	21.91	21.84	21.76	
10	16QAM	25	25	21.76	21.76	21.86	21.74	21.70	
10	16QAM	50	0	21.80	21.83	21.77	21.81	21.55	
10	64QAM	1	0	21.51	21.65	21.67	21.83	21.47	23.1
10	64QAM	1	25	21.63	21.69	21.81	21.61	21.38	
10	64QAM	1	49	21.57	21.52	21.68	21.73	21.46	
10	64QAM	25	0	21.22	21.28	21.39	21.29	21.17	22.4
10	64QAM	25	12	21.35	21.31	21.42	21.28	21.20	
10	64QAM	25	25	21.35	21.23	21.22	21.36	21.09	
10	64QAM	50	0	21.26	21.21	21.43	21.21	21.16	
10	256QAM	1	0	19.39	19.14	19.46	19.31	18.83	20.4
10	256QAM	1	25	19.04	18.82	19.06	18.90	18.52	
10	256QAM	1	49	18.92	18.72	18.91	18.87	18.43	
10	256QAM	25	0	17.21	17.07	17.34	17.07	16.82	18.4
10	256QAM	25	12	17.14	17.11	17.33	17.05	16.69	
10	256QAM	25	25	17.10	16.93	17.23	17.07	16.48	
10	256QAM	50	0	17.01	17.00	17.25	17.17	16.58	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.93	21.82	21.97	21.70	21.56	23.10
5	QPSK	1	12	21.85	21.81	21.77	21.77	21.54	
5	QPSK	1	24	21.75	21.83	21.74	21.79	21.67	
5	QPSK	12	0	21.73	21.79	21.92	21.78	21.70	23.1
5	QPSK	12	7	21.74	21.73	21.74	21.87	21.60	
5	QPSK	12	13	21.86	21.89	21.80	21.70	21.70	
5	QPSK	25	0	21.82	21.81	21.76	21.80	21.64	
5	16QAM	1	0	21.71	21.82	21.74	21.71	21.75	23.1
5	16QAM	1	12	21.70	21.68	21.72	21.93	21.68	
5	16QAM	1	24	21.67	21.71	21.80	21.79	21.77	
5	16QAM	12	0	21.87	21.72	21.70	21.86	21.58	23.1
5	16QAM	12	7	21.80	21.89	21.73	21.78	21.60	
5	16QAM	12	13	21.74	21.83	21.89	21.75	21.71	
5	16QAM	25	0	21.86	21.69	21.83	21.82	21.64	
5	64QAM	1	0	21.51	21.63	21.80	21.69	21.44	23.1
5	64QAM	1	12	21.65	21.59	21.70	21.65	21.49	
5	64QAM	1	24	21.48	21.58	21.71	21.69	21.46	
5	64QAM	12	0	21.35	21.34	21.40	21.35	21.06	22.4
5	64QAM	12	7	21.18	21.32	21.41	21.26	21.19	
5	64QAM	12	13	21.33	21.17	21.24	21.32	21.17	
5	64QAM	25	0	21.32	21.19	21.39	21.22	21.09	
5	256QAM	1	0	19.38	19.25	19.42	19.20	18.95	20.4
5	256QAM	1	12	18.85	18.70	19.07	18.94	18.66	
5	256QAM	1	24	18.86	18.74	18.95	18.83	18.41	
5	256QAM	12	0	17.25	16.90	17.48	17.00	16.78	18.4
5	256QAM	12	7	17.24	17.05	17.31	17.15	16.71	
5	256QAM	12	13	17.20	16.92	17.17	16.90	16.51	
5	256QAM	25	0	16.98	16.87	17.36	17.22	16.61	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	21.95	21.93	21.97	21.89	21.72	22.3
20	QPSK	1	49	21.93	21.92	21.96	21.85	21.65	
20	QPSK	1	99	21.88	21.86	21.88	21.88	21.72	
20	QPSK	50	0	21.93	21.91	21.93	21.89	21.77	22.3
20	QPSK	50	24	21.87	21.88	21.91	21.89	21.76	
20	QPSK	50	50	21.87	21.90	21.90	21.88	21.78	
20	QPSK	100	0	21.86	21.85	21.90	21.89	21.73	
20	16QAM	1	0	21.89	21.84	21.87	21.80	21.80	22.3
20	16QAM	1	49	21.83	21.73	21.85	21.93	21.82	
20	16QAM	1	99	21.77	21.78	21.95	21.95	21.78	
20	16QAM	50	0	21.89	21.91	21.77	21.89	21.73	22.3
20	16QAM	50	24	21.88	21.90	21.92	21.89	21.76	
20	16QAM	50	50	21.86	21.88	21.91	21.88	21.76	
20	16QAM	100	0	21.87	21.89	21.93	21.86	21.75	
20	64QAM	1	0	21.69	21.72	21.84	21.83	21.56	22.3
20	64QAM	1	49	21.73	21.73	21.90	21.76	21.55	
20	64QAM	1	99	21.66	21.64	21.74	21.75	21.58	
20	64QAM	50	0	21.38	21.40	21.46	21.38	21.24	22.3
20	64QAM	50	24	21.37	21.37	21.42	21.38	21.25	
20	64QAM	50	50	21.35	21.37	21.40	21.38	21.24	
20	64QAM	100	0	21.34	21.38	21.43	21.37	21.21	
20	256QAM	1	0	19.44	19.28	19.48	19.34	19.02	20.4
20	256QAM	1	49	19.04	18.82	19.22	19.02	18.71	
20	256QAM	1	99	18.96	18.84	19.01	18.93	18.43	
20	256QAM	50	0	17.36	17.07	17.50	17.18	16.82	18.4
20	256QAM	50	24	17.26	17.21	17.44	17.21	16.79	
20	256QAM	50	50	17.25	16.97	17.32	17.10	16.67	
20	256QAM	100	0	17.17	17.03	17.36	17.28	16.76	
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	21.75	21.87	21.93	21.77	21.54	22.30
15	QPSK	1	37	21.87	21.79	21.93	21.76	21.59	
15	QPSK	1	74	21.68	21.84	21.83	21.70	21.52	
15	QPSK	36	0	21.77	21.76	21.83	21.79	21.64	22.3
15	QPSK	36	20	21.75	21.86	21.91	21.86	21.71	
15	QPSK	36	39	21.84	21.72	21.76	21.88	21.76	
15	QPSK	75	0	21.78	21.79	21.73	21.85	21.65	
15	16QAM	1	0	21.84	21.78	21.77	21.60	21.67	22.3
15	16QAM	1	37	21.83	21.70	21.68	21.82	21.77	
15	16QAM	1	74	21.69	21.61	21.80	21.81	21.70	
15	16QAM	36	0	21.79	21.79	21.69	21.69	21.63	22.3
15	16QAM	36	20	21.79	21.83	21.90	21.88	21.64	
15	16QAM	36	39	21.66	21.74	21.76	21.71	21.73	
15	16QAM	75	0	21.68	21.89	21.76	21.83	21.70	
15	64QAM	1	0	21.49	21.62	21.76	21.82	21.53	22.3
15	64QAM	1	37	21.72	21.63	21.79	21.59	21.47	
15	64QAM	1	74	21.62	21.45	21.70	21.66	21.45	
15	64QAM	36	0	21.37	21.38	21.33	21.26	21.23	22.3
15	64QAM	36	20	21.27	21.30	21.29	21.20	21.10	
15	64QAM	36	39	21.20	21.32	21.28	21.25	21.09	
15	64QAM	75	0	21.26	21.19	21.40	21.21	21.05	
15	256QAM	1	0	19.26	19.27	19.47	19.24	18.93	20.4
15	256QAM	1	37	18.86	18.65	19.17	18.97	18.62	
15	256QAM	1	74	18.82	18.69	18.97	18.80	18.43	
15	256QAM	36	0	17.30	17.04	17.32	17.05	16.77	18.4
15	256QAM	36	20	17.17	17.13	17.25	17.10	16.63	
15	256QAM	36	39	17.20	16.94	17.28	17.05	16.49	

15	256QAM	75	0	17.01	16.92	17.24	17.09	16.61	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.82	21.75	21.89	21.72	21.71	22.30
10	QPSK	1	25	21.85	21.84	21.83	21.70	21.52	
10	QPSK	1	49	21.83	21.86	21.78	21.88	21.53	
10	QPSK	25	0	21.84	21.90	21.90	21.76	21.58	22.3
10	QPSK	25	12	21.75	21.83	21.79	21.73	21.76	
10	QPSK	25	25	21.69	21.71	21.75	21.77	21.72	
10	QPSK	50	0	21.77	21.78	21.83	21.82	21.65	
10	16QAM	1	0	21.81	21.73	21.84	21.64	21.74	22.3
10	16QAM	1	25	21.63	21.53	21.79	21.91	21.79	
10	16QAM	1	49	21.76	21.72	21.76	21.94	21.64	
10	16QAM	25	0	21.80	21.91	21.69	21.85	21.73	22.3
10	16QAM	25	12	21.77	21.85	21.91	21.84	21.76	
10	16QAM	25	25	21.76	21.76	21.86	21.74	21.70	
10	16QAM	50	0	21.80	21.83	21.77	21.81	21.55	
10	64QAM	1	0	21.51	21.65	21.67	21.83	21.47	22.3
10	64QAM	1	25	21.63	21.69	21.81	21.61	21.38	
10	64QAM	1	49	21.57	21.52	21.68	21.73	21.46	
10	64QAM	25	0	21.22	21.28	21.39	21.29	21.17	22.3
10	64QAM	25	12	21.35	21.31	21.42	21.28	21.20	
10	64QAM	25	25	21.35	21.23	21.22	21.36	21.09	
10	64QAM	50	0	21.26	21.21	21.43	21.21	21.16	
10	256QAM	1	0	19.39	19.14	19.46	19.31	18.83	20.4
10	256QAM	1	25	19.04	18.82	19.06	18.90	18.52	
10	256QAM	1	49	18.92	18.72	18.91	18.87	18.43	
10	256QAM	25	0	17.21	17.07	17.34	17.07	16.82	18.4
10	256QAM	25	12	17.14	17.11	17.33	17.05	16.69	
10	256QAM	25	25	17.10	16.93	17.23	17.07	16.48	
10	256QAM	50	0	17.01	17.00	17.25	17.17	16.58	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.93	21.82	21.97	21.70	21.56	22.30
5	QPSK	1	12	21.85	21.81	21.77	21.77	21.54	
5	QPSK	1	24	21.75	21.83	21.74	21.79	21.67	
5	QPSK	12	0	21.73	21.79	21.92	21.78	21.70	22.3
5	QPSK	12	7	21.74	21.73	21.74	21.87	21.60	
5	QPSK	12	13	21.86	21.89	21.80	21.70	21.70	
5	QPSK	25	0	21.82	21.81	21.76	21.80	21.64	
5	16QAM	1	0	21.71	21.82	21.74	21.71	21.75	22.3
5	16QAM	1	12	21.70	21.68	21.72	21.93	21.68	
5	16QAM	1	24	21.67	21.71	21.80	21.79	21.77	
5	16QAM	12	0	21.87	21.72	21.70	21.86	21.58	22.3
5	16QAM	12	7	21.80	21.89	21.73	21.78	21.60	
5	16QAM	12	13	21.74	21.83	21.89	21.75	21.71	
5	16QAM	25	0	21.86	21.69	21.83	21.82	21.64	
5	64QAM	1	0	21.51	21.63	21.80	21.69	21.44	22.3
5	64QAM	1	12	21.65	21.59	21.70	21.65	21.49	
5	64QAM	1	24	21.48	21.58	21.71	21.69	21.46	
5	64QAM	12	0	21.35	21.34	21.40	21.35	21.06	22.3
5	64QAM	12	7	21.18	21.32	21.41	21.26	21.19	
5	64QAM	12	13	21.33	21.17	21.24	21.32	21.17	
5	64QAM	25	0	21.32	21.19	21.39	21.22	21.09	
5	256QAM	1	0	19.38	19.25	19.42	19.20	18.95	20.4
5	256QAM	1	12	18.85	18.70	19.07	18.94	18.66	
5	256QAM	1	24	18.86	18.74	18.95	18.83	18.41	
5	256QAM	12	0	17.25	16.90	17.48	17.00	16.78	18.4
5	256QAM	12	7	17.24	17.05	17.31	17.15	16.71	
5	256QAM	12	13	17.20	16.92	17.17	16.90	16.51	
5	256QAM	25	0	16.98	16.87	17.36	17.22	16.61	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.31	24.27	24.35	24.25	24.12	25.4
20	QPSK	1	49	24.24	24.22	24.32	24.22	24.10	
20	QPSK	1	99	24.22	24.17	24.23	24.21	24.13	
20	QPSK	50	0	23.30	23.22	23.31	23.22	23.13	24.4
20	QPSK	50	24	23.29	23.21	23.24	23.21	23.08	
20	QPSK	50	50	23.29	23.20	23.22	23.22	23.12	
20	QPSK	100	0	23.28	23.18	23.30	23.18	23.08	
20	16QAM	1	0	23.37	23.29	23.40	23.27	23.21	24.4
20	16QAM	1	49	23.25	23.22	23.30	23.18	23.17	
20	16QAM	1	99	23.25	23.30	23.26	23.19	23.13	
20	16QAM	50	0	22.29	22.23	22.28	22.25	22.10	23.4
20	16QAM	50	24	22.27	22.27	22.31	22.27	22.14	
20	16QAM	50	50	22.24	22.24	22.27	22.24	22.14	
20	16QAM	100	0	22.25	22.24	22.30	22.21	22.16	
20	64QAM	1	0	22.22	22.06	22.01	21.97	21.68	23.4
20	64QAM	1	49	22.02	22.06	21.96	21.90	21.72	
20	64QAM	1	99	22.11	22.10	21.91	21.94	21.80	
20	64QAM	50	0	21.29	21.25	21.33	21.23	21.11	22.4
20	64QAM	50	24	21.30	21.24	21.28	21.23	21.12	
20	64QAM	50	50	21.27	21.22	21.26	21.25	21.18	
20	64QAM	100	0	21.29	21.25	21.24	21.27	21.17	
20	256QAM	1	0	19.41	19.22	19.45	19.35	18.92	20.4
20	256QAM	1	49	19.08	18.86	19.16	18.98	18.61	
20	256QAM	1	99	18.92	18.76	19.05	18.89	18.46	
20	256QAM	50	0	17.33	17.17	17.42	17.24	16.80	18.4
20	256QAM	50	24	17.34	17.16	17.40	17.28	16.81	
20	256QAM	50	50	17.30	17.03	17.34	17.15	16.74	
20	256QAM	100	0	17.23	17.07	17.33	17.23	16.79	
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	24.29	24.18	24.26	24.11	24.09	25.40
15	QPSK	1	37	24.12	24.17	24.16	24.13	23.92	
15	QPSK	1	74	24.10	24.12	24.11	24.16	24.02	
15	QPSK	36	0	23.14	23.19	23.28	23.04	23.10	24.4
15	QPSK	36	20	23.09	23.10	23.11	23.05	23.07	
15	QPSK	36	39	23.12	23.07	23.14	23.08	23.06	
15	QPSK	75	0	23.10	23.04	23.24	22.98	22.92	
15	16QAM	1	0	23.28	23.11	23.31	23.22	23.19	24.4
15	16QAM	1	37	23.24	23.04	23.27	23.13	23.15	
15	16QAM	1	74	23.13	23.12	23.20	23.00	22.93	
15	16QAM	36	0	22.20	22.04	22.14	22.18	22.05	23.4
15	16QAM	36	20	22.16	22.15	22.11	22.23	22.10	
15	16QAM	36	39	22.06	22.21	22.17	22.23	21.95	
15	16QAM	75	0	22.20	22.17	22.19	22.07	22.09	
15	64QAM	1	0	22.03	22.00	22.00	21.90	21.57	23.4
15	64QAM	1	37	21.91	22.03	21.95	21.81	21.63	
15	64QAM	1	74	21.94	22.04	21.91	21.79	21.68	
15	64QAM	36	0	21.09	21.10	21.16	21.14	21.02	22.4
15	64QAM	36	20	21.22	21.17	21.21	21.07	21.12	
15	64QAM	36	39	21.13	21.21	21.06	21.08	21.07	
15	64QAM	75	0	21.12	21.14	21.21	21.21	21.14	
15	256QAM	1	0	19.33	19.02	19.41	19.24	18.86	20.4
15	256QAM	1	37	18.96	18.83	19.06	18.91	18.58	
15	256QAM	1	74	18.82	18.58	19.02	18.72	18.41	
15	256QAM	36	0	17.27	16.98	17.32	17.08	16.73	18.4
15	256QAM	36	20	17.27	17.10	17.32	17.23	16.68	
15	256QAM	36	39	17.14	16.85	17.23	17.13	16.54	

15	256QAM	75	0	17.11	16.94	17.15	17.09	16.59	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.13	24.15	24.20	24.25	23.96	25.40
10	QPSK	1	25	24.24	24.06	24.17	24.07	23.97	
10	QPSK	1	49	24.02	24.02	24.23	24.19	23.98	
10	QPSK	25	0	23.15	23.17	23.26	23.16	23.00	24.4
10	QPSK	25	12	23.13	23.16	23.11	23.14	22.99	
10	QPSK	25	25	23.14	23.05	23.02	23.18	22.97	
10	QPSK	50	0	23.24	23.16	23.14	23.01	22.91	
10	16QAM	1	0	23.21	23.20	23.29	23.07	23.01	24.4
10	16QAM	1	25	23.18	23.11	23.23	23.00	23.01	
10	16QAM	1	49	23.17	23.13	23.13	23.13	23.08	
10	16QAM	25	0	22.13	22.15	22.21	22.18	22.01	23.4
10	16QAM	25	12	22.08	22.21	22.22	22.26	22.09	
10	16QAM	25	25	22.13	22.09	22.09	22.23	22.14	
10	16QAM	50	0	22.05	22.05	22.21	22.03	22.09	
10	64QAM	1	0	22.07	21.87	21.81	21.82	21.65	23.4
10	64QAM	1	25	21.99	22.02	21.94	21.85	21.58	
10	64QAM	1	49	22.03	21.92	21.74	21.74	21.63	
10	64QAM	25	0	21.25	21.12	21.27	21.17	20.92	22.4
10	64QAM	25	12	21.12	21.16	21.19	21.13	21.07	
10	64QAM	25	25	21.12	21.11	21.14	21.25	21.17	
10	64QAM	50	0	21.13	21.11	21.23	21.10	21.08	
10	256QAM	1	0	19.26	19.18	19.28	19.33	18.75	20.4
10	256QAM	1	25	18.88	18.86	19.05	18.93	18.43	
10	256QAM	1	49	18.80	18.61	19.01	18.84	18.41	
10	256QAM	25	0	17.18	17.00	17.42	17.21	16.76	18.4
10	256QAM	25	12	17.22	17.10	17.22	17.27	16.73	
10	256QAM	25	25	17.30	16.88	17.20	17.13	16.59	
10	256QAM	50	0	17.08	17.00	17.17	17.07	16.73	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.16	24.22	24.30	24.21	24.04	25.40
5	QPSK	1	12	24.04	24.02	24.30	24.20	23.94	
5	QPSK	1	24	24.07	24.11	24.16	24.06	23.99	
5	QPSK	12	0	23.17	23.22	23.17	23.15	23.02	24.4
5	QPSK	12	7	23.10	23.08	23.12	23.05	23.07	
5	QPSK	12	13	23.15	23.04	23.22	23.15	23.03	
5	QPSK	25	0	23.17	23.13	23.30	23.07	22.93	
5	16QAM	1	0	23.21	23.20	23.27	23.08	23.04	24.4
5	16QAM	1	12	23.08	23.10	23.30	23.14	23.10	
5	16QAM	1	24	23.06	23.27	23.10	23.06	23.11	
5	16QAM	12	0	22.29	22.16	22.19	22.25	22.08	23.4
5	16QAM	12	7	22.12	22.11	22.20	22.15	21.98	
5	16QAM	12	13	22.19	22.10	22.10	22.16	22.10	
5	16QAM	25	0	22.14	22.22	22.19	22.07	22.02	
5	64QAM	1	0	22.09	21.97	21.95	21.89	21.64	23.4
5	64QAM	1	12	22.00	21.98	21.88	21.78	21.58	
5	64QAM	1	24	21.96	22.03	21.82	21.86	21.71	
5	64QAM	12	0	21.18	21.08	21.29	21.14	21.03	22.4
5	64QAM	12	7	21.10	21.14	21.25	21.15	21.06	
5	64QAM	12	13	21.25	21.11	21.11	21.12	21.01	
5	64QAM	25	0	21.18	21.22	21.12	21.13	21.12	
5	256QAM	1	0	19.23	19.20	19.32	19.33	18.74	20.4
5	256QAM	1	12	19.04	18.71	19.02	18.86	18.59	
5	256QAM	1	24	18.92	18.72	18.91	18.78	18.42	
5	256QAM	12	0	17.15	17.12	17.36	17.14	16.76	18.4
5	256QAM	12	7	17.22	17.11	17.39	17.20	16.76	
5	256QAM	12	13	17.24	16.90	17.31	16.97	16.70	
5	256QAM	25	0	17.15	17.03	17.15	17.07	16.67	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.78	19.75	19.82	19.75	19.71	20.3
20	QPSK	1	49	19.61	19.69	19.69	19.66	19.59	
20	QPSK	1	99	19.64	19.57	19.70	19.65	19.44	
20	QPSK	50	0	19.72	19.62	19.81	19.65	19.56	20.3
20	QPSK	50	24	19.52	19.52	19.59	19.48	19.49	
20	QPSK	50	50	19.60	19.60	19.69	19.54	19.45	
20	QPSK	100	0	19.77	19.63	19.81	19.61	19.47	
20	16QAM	1	0	19.66	19.74	19.56	19.47	19.47	20.3
20	16QAM	1	49	19.70	19.52	19.61	19.46	19.60	
20	16QAM	1	99	19.74	19.65	19.69	19.66	19.41	
20	16QAM	50	0	19.54	19.49	19.62	19.59	19.51	20.3
20	16QAM	50	24	19.60	19.70	19.59	19.70	19.37	
20	16QAM	50	50	19.70	19.54	19.74	19.70	19.42	
20	16QAM	100	0	19.74	19.67	19.70	19.57	19.56	
20	64QAM	1	0	19.70	19.63	19.65	19.59	19.63	20.3
20	64QAM	1	49	19.63	19.60	19.72	19.72	19.61	
20	64QAM	1	99	19.67	19.55	19.71	19.62	19.55	
20	64QAM	50	0	19.66	19.76	19.56	19.61	19.62	20.3
20	64QAM	50	24	19.68	19.70	19.72	19.51	19.57	
20	64QAM	50	50	19.64	19.61	19.70	19.55	19.47	
20	64QAM	100	0	19.74	19.64	19.59	19.71	19.39	
20	256QAM	1	0	19.25	19.23	19.30	19.27	18.85	20.3
20	256QAM	1	49	19.01	18.84	19.11	18.99	18.45	
20	256QAM	1	99	18.79	18.69	18.87	18.94	18.44	
20	256QAM	50	0	17.17	17.05	17.42	17.22	16.85	18.4
20	256QAM	50	24	17.33	17.12	17.36	17.32	16.66	
20	256QAM	50	50	17.38	17.02	17.44	17.21	16.75	
20	256QAM	100	0	17.12	16.94	17.36	17.05	16.84	
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	19.78	19.64	19.63	19.68	19.53	20.30
15	QPSK	1	37	19.56	19.68	19.62	19.51	19.54	
15	QPSK	1	74	19.44	19.45	19.54	19.52	19.25	
15	QPSK	36	0	19.62	19.60	19.67	19.57	19.50	20.3
15	QPSK	36	20	19.46	19.46	19.49	19.46	19.47	
15	QPSK	36	39	19.50	19.59	19.49	19.52	19.42	
15	QPSK	75	0	19.73	19.55	19.68	19.55	19.40	
15	16QAM	1	0	19.51	19.54	19.40	19.33	19.42	20.3
15	16QAM	1	37	19.57	19.48	19.42	19.42	19.57	
15	16QAM	1	74	19.60	19.65	19.52	19.52	19.41	
15	16QAM	36	0	19.37	19.29	19.43	19.46	19.42	20.3
15	16QAM	36	20	19.41	19.54	19.43	19.58	19.20	
15	16QAM	36	39	19.58	19.37	19.63	19.65	19.32	
15	16QAM	75	0	19.68	19.48	19.50	19.57	19.47	
15	64QAM	1	0	19.64	19.50	19.54	19.43	19.61	20.3
15	64QAM	1	37	19.61	19.49	19.68	19.68	19.53	
15	64QAM	1	74	19.48	19.47	19.64	19.48	19.55	
15	64QAM	36	0	19.61	19.67	19.42	19.60	19.47	20.3
15	64QAM	36	20	19.50	19.69	19.62	19.37	19.56	
15	64QAM	36	39	19.51	19.48	19.58	19.40	19.36	
15	64QAM	75	0	19.63	19.44	19.41	19.53	19.21	
15	256QAM	1	0	19.24	19.12	19.21	19.26	18.68	20.3
15	256QAM	1	37	18.82	18.77	18.91	18.83	18.45	
15	256QAM	1	74	18.64	18.54	18.72	18.78	18.47	
15	256QAM	36	0	17.05	16.99	17.42	17.17	16.69	18.4
15	256QAM	36	20	17.25	17.07	17.30	17.26	16.60	
15	256QAM	36	39	17.33	16.94	17.42	17.06	16.59	

15	256QAM	75	0	16.95	16.88	17.19	16.96	16.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.68	19.55	19.79	19.59	19.59	20.30
10	QPSK	1	25	19.57	19.52	19.64	19.53	19.41	
10	QPSK	1	49	19.51	19.51	19.70	19.60	19.43	
10	QPSK	25	0	19.64	19.46	19.63	19.50	19.39	20.3
10	QPSK	25	12	19.50	19.35	19.39	19.44	19.40	
10	QPSK	25	25	19.52	19.59	19.62	19.35	19.41	
10	QPSK	50	0	19.63	19.48	19.72	19.45	19.40	
10	16QAM	1	0	19.56	19.60	19.37	19.41	19.39	20.3
10	16QAM	1	25	19.63	19.41	19.54	19.37	19.50	
10	16QAM	1	49	19.60	19.52	19.49	19.51	19.39	
10	16QAM	25	0	19.46	19.41	19.46	19.52	19.39	20.3
10	16QAM	25	12	19.60	19.60	19.47	19.57	19.17	
10	16QAM	25	25	19.66	19.47	19.59	19.68	19.42	
10	16QAM	50	0	19.67	19.54	19.52	19.44	19.53	
10	64QAM	1	0	19.60	19.48	19.46	19.41	19.51	20.3
10	64QAM	1	25	19.46	19.45	19.59	19.68	19.50	
10	64QAM	1	49	19.52	19.45	19.65	19.55	19.48	
10	64QAM	25	0	19.60	19.71	19.46	19.44	19.50	20.3
10	64QAM	25	12	19.53	19.50	19.65	19.45	19.46	
10	64QAM	25	25	19.54	19.56	19.70	19.35	19.28	
10	64QAM	50	0	19.69	19.57	19.53	19.65	19.24	
10	256QAM	1	0	19.23	19.22	19.24	19.09	18.65	20.3
10	256QAM	1	25	18.93	18.77	18.95	18.85	18.42	
10	256QAM	1	49	18.77	18.50	18.69	18.85	18.43	
10	256QAM	25	0	17.08	16.86	17.36	17.06	16.76	18.4
10	256QAM	25	12	17.13	17.06	17.34	17.22	16.58	
10	256QAM	25	25	17.38	16.96	17.35	17.12	16.57	
10	256QAM	50	0	17.09	16.90	17.22	16.99	16.65	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	19.61	19.65	19.82	19.72	19.69	20.30
5	QPSK	1	12	19.48	19.64	19.51	19.65	19.55	
5	QPSK	1	24	19.53	19.40	19.67	19.51	19.36	
5	QPSK	12	0	19.60	19.52	19.64	19.64	19.36	20.3
5	QPSK	12	7	19.52	19.50	19.49	19.40	19.33	
5	QPSK	12	13	19.57	19.54	19.52	19.38	19.40	
5	QPSK	25	0	19.64	19.55	19.73	19.56	19.41	
5	16QAM	1	0	19.61	19.60	19.38	19.41	19.30	20.3
5	16QAM	1	12	19.62	19.48	19.58	19.27	19.58	
5	16QAM	1	24	19.59	19.45	19.68	19.62	19.30	
5	16QAM	12	0	19.34	19.31	19.48	19.50	19.37	20.3
5	16QAM	12	7	19.55	19.69	19.41	19.68	19.27	
5	16QAM	12	13	19.70	19.40	19.71	19.50	19.37	
5	16QAM	25	0	19.74	19.56	19.60	19.55	19.42	
5	64QAM	1	0	19.53	19.43	19.45	19.42	19.52	20.3
5	64QAM	1	12	19.44	19.44	19.71	19.58	19.58	
5	64QAM	1	24	19.61	19.52	19.58	19.48	19.40	
5	64QAM	12	0	19.49	19.73	19.38	19.54	19.53	20.3
5	64QAM	12	7	19.63	19.63	19.61	19.47	19.52	
5	64QAM	12	13	19.57	19.58	19.53	19.40	19.45	
5	64QAM	25	0	19.56	19.57	19.48	19.68	19.32	
5	256QAM	1	0	19.11	19.05	19.21	19.10	18.74	20.3
5	256QAM	1	12	18.94	18.72	18.97	18.93	18.49	
5	256QAM	1	24	18.70	18.69	18.79	18.84	18.52	
5	256QAM	12	0	17.11	17.01	17.27	17.12	16.67	18.4
5	256QAM	12	7	17.13	17.02	17.32	17.17	16.53	
5	256QAM	12	13	17.34	17.01	17.32	17.13	16.71	
5	256QAM	25	0	16.98	16.74	17.28	16.88	16.71	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	20.81	20.77	20.83	20.75	20.76	22
20	QPSK	1	49	20.71	20.74	20.74	20.72	20.65	
20	QPSK	1	99	20.65	20.59	20.80	20.65	20.49	
20	QPSK	50	0	20.78	20.62	20.82	20.75	20.56	22
20	QPSK	50	24	20.61	20.55	20.66	20.57	20.49	
20	QPSK	50	50	20.68	20.60	20.72	20.60	20.50	
20	QPSK	100	0	20.80	20.70	20.81	20.70	20.57	
20	16QAM	1	0	20.69	20.75	20.64	20.55	20.53	22
20	16QAM	1	49	20.79	20.58	20.67	20.56	20.64	
20	16QAM	1	99	20.77	20.68	20.78	20.73	20.51	
20	16QAM	50	0	20.61	20.59	20.64	20.59	20.55	22
20	16QAM	50	24	20.70	20.70	20.68	20.71	20.47	
20	16QAM	50	50	20.72	20.61	20.75	20.71	20.48	
20	16QAM	100	0	20.75	20.76	20.80	20.58	20.60	
20	64QAM	1	0	20.73	20.71	20.69	20.63	20.64	22
20	64QAM	1	49	20.64	20.65	20.75	20.73	20.66	
20	64QAM	1	99	20.71	20.63	20.79	20.66	20.60	
20	64QAM	50	0	20.70	20.76	20.65	20.69	20.62	22
20	64QAM	50	24	20.76	20.73	20.82	20.61	20.60	
20	64QAM	50	50	20.69	20.62	20.80	20.60	20.54	
20	64QAM	100	0	20.75	20.72	20.64	20.71	20.48	
20	256QAM	1	0	19.39	19.31	19.49	19.27	18.87	20.4
20	256QAM	1	49	19.09	18.94	19.12	19.00	18.52	
20	256QAM	1	99	18.82	18.74	18.95	18.98	18.46	
20	256QAM	50	0	17.27	17.13	17.50	17.27	16.90	18.4
20	256QAM	50	24	17.33	17.13	17.40	17.35	16.76	
20	256QAM	50	50	17.40	17.10	17.44	17.24	16.77	
20	256QAM	100	0	17.17	17.04	17.38	17.15	16.87	
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	20.59	20.67	20.59	20.72	22.00
15	QPSK	1	37	20.59	20.59	20.59	20.63	20.54	
15	QPSK	1	74	20.54	20.45	20.73	20.50	20.46	
15	QPSK	36	0	20.61	20.43	20.75	20.64	20.49	22
15	QPSK	36	20	20.53	20.55	20.48	20.56	20.32	
15	QPSK	36	39	20.64	20.51	20.57	20.40	20.48	
15	QPSK	75	0	20.60	20.66	20.74	20.65	20.40	
15	16QAM	1	0	20.52	20.56	20.60	20.46	20.39	22
15	16QAM	1	37	20.60	20.58	20.61	20.41	20.57	
15	16QAM	1	74	20.75	20.62	20.68	20.63	20.38	
15	16QAM	36	0	20.55	20.42	20.50	20.58	20.43	22
15	16QAM	36	20	20.50	20.63	20.63	20.71	20.29	
15	16QAM	36	39	20.70	20.50	20.56	20.60	20.35	
15	16QAM	75	0	20.71	20.67	20.74	20.57	20.49	
15	64QAM	1	0	20.70	20.67	20.50	20.43	20.45	22
15	64QAM	1	37	20.61	20.62	20.71	20.65	20.60	
15	64QAM	1	74	20.51	20.50	20.66	20.46	20.50	
15	64QAM	36	0	20.69	20.76	20.51	20.58	20.43	22
15	64QAM	36	20	20.69	20.63	20.74	20.48	20.59	
15	64QAM	36	39	20.69	20.44	20.69	20.57	20.36	
15	64QAM	75	0	20.75	20.62	20.44	20.67	20.44	
15	256QAM	1	0	19.23	19.22	19.47	19.08	18.75	20.4
15	256QAM	1	37	18.91	18.88	19.03	18.99	18.52	
15	256QAM	1	74	18.72	18.74	18.89	18.80	18.59	
15	256QAM	36	0	17.21	16.95	17.33	17.14	16.81	18.4
15	256QAM	36	20	17.26	16.99	17.21	17.31	16.71	
15	256QAM	36	39	17.20	17.07	17.27	17.17	16.71	

15	256QAM	75	0	17.17	16.99	17.33	17.09	16.83	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.62	20.70	20.68	20.66	20.73	22.00
10	QPSK	1	25	20.68	20.58	20.55	20.70	20.59	
10	QPSK	1	49	20.54	20.45	20.67	20.53	20.39	
10	QPSK	25	0	20.58	20.56	20.77	20.57	20.53	22
10	QPSK	25	12	20.51	20.54	20.58	20.52	20.45	
10	QPSK	25	25	20.54	20.45	20.65	20.40	20.35	
10	QPSK	50	0	20.61	20.67	20.77	20.53	20.57	
10	16QAM	1	0	20.67	20.71	20.59	20.55	20.51	22
10	16QAM	1	25	20.76	20.43	20.60	20.53	20.50	
10	16QAM	1	49	20.69	20.61	20.69	20.54	20.32	
10	16QAM	25	0	20.56	20.41	20.50	20.49	20.53	22
10	16QAM	25	12	20.56	20.52	20.56	20.64	20.39	
10	16QAM	25	25	20.67	20.49	20.73	20.59	20.42	
10	16QAM	50	0	20.58	20.70	20.65	20.47	20.47	
10	64QAM	1	0	20.68	20.57	20.52	20.52	20.50	22
10	64QAM	1	25	20.45	20.47	20.64	20.70	20.59	
10	64QAM	1	49	20.66	20.59	20.62	20.59	20.55	
10	64QAM	25	0	20.58	20.62	20.52	20.52	20.42	22
10	64QAM	25	12	20.67	20.70	20.71	20.58	20.57	
10	64QAM	25	25	20.64	20.47	20.75	20.58	20.38	
10	64QAM	50	0	20.61	20.57	20.45	20.60	20.42	
10	256QAM	1	0	19.36	19.12	19.43	19.10	18.84	20.4
10	256QAM	1	25	18.90	18.91	19.07	18.86	18.59	
10	256QAM	1	49	18.67	18.60	18.83	18.92	18.49	
10	256QAM	25	0	17.19	17.05	17.36	17.12	16.76	18.4
10	256QAM	25	12	17.21	17.12	17.30	17.26	16.71	
10	256QAM	25	25	17.26	17.08	17.35	17.11	16.71	
10	256QAM	50	0	17.10	16.88	17.35	17.07	16.68	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	20.65	20.74	20.68	20.65	20.59	22.00
5	QPSK	1	12	20.53	20.63	20.61	20.54	20.60	
5	QPSK	1	24	20.52	20.57	20.64	20.61	20.39	
5	QPSK	12	0	20.66	20.60	20.80	20.55	20.48	22
5	QPSK	12	7	20.43	20.42	20.54	20.57	20.34	
5	QPSK	12	13	20.62	20.54	20.56	20.46	20.40	
5	QPSK	25	0	20.78	20.69	20.66	20.61	20.38	
5	16QAM	1	0	20.62	20.59	20.54	20.53	20.48	22
5	16QAM	1	12	20.65	20.43	20.52	20.37	20.55	
5	16QAM	1	24	20.72	20.57	20.77	20.73	20.33	
5	16QAM	12	0	20.50	20.57	20.47	20.57	20.44	22
5	16QAM	12	7	20.67	20.53	20.63	20.69	20.33	
5	16QAM	12	13	20.64	20.46	20.72	20.55	20.33	
5	16QAM	25	0	20.55	20.71	20.79	20.53	20.44	
5	64QAM	1	0	20.67	20.71	20.52	20.56	20.57	22
5	64QAM	1	12	20.49	20.61	20.57	20.72	20.54	
5	64QAM	1	24	20.63	20.58	20.66	20.52	20.42	
5	64QAM	12	0	20.60	20.75	20.50	20.56	20.48	22
5	64QAM	12	7	20.63	20.66	20.69	20.47	20.45	
5	64QAM	12	13	20.52	20.58	20.71	20.59	20.37	
5	64QAM	25	0	20.68	20.62	20.60	20.69	20.35	
5	256QAM	1	0	19.39	19.30	19.33	19.10	18.72	20.4
5	256QAM	1	12	19.01	18.77	18.97	18.91	18.46	
5	256QAM	1	24	18.71	18.57	18.90	18.88	18.57	
5	256QAM	12	0	17.09	17.12	17.37	17.12	16.74	18.4
5	256QAM	12	7	17.27	17.02	17.31	17.25	16.61	
5	256QAM	12	13	17.34	17.07	17.27	17.14	16.74	
5	256QAM	25	0	17.05	16.84	17.23	17.11	16.78	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	20.81	20.77	20.83	20.75	20.76	21.2
20	QPSK	1	49	20.71	20.74	20.74	20.72	20.65	
20	QPSK	1	99	20.65	20.59	20.80	20.65	20.49	
20	QPSK	50	0	20.78	20.62	20.82	20.75	20.56	21.2
20	QPSK	50	24	20.61	20.55	20.66	20.57	20.49	
20	QPSK	50	50	20.68	20.60	20.72	20.60	20.50	
20	QPSK	100	0	20.80	20.70	20.81	20.70	20.57	
20	16QAM	1	0	20.69	20.75	20.64	20.55	20.53	21.2
20	16QAM	1	49	20.79	20.58	20.67	20.56	20.64	
20	16QAM	1	99	20.77	20.68	20.78	20.73	20.51	
20	16QAM	50	0	20.61	20.59	20.64	20.59	20.55	21.2
20	16QAM	50	24	20.70	20.70	20.68	20.71	20.47	
20	16QAM	50	50	20.72	20.61	20.75	20.71	20.48	
20	16QAM	100	0	20.75	20.76	20.80	20.58	20.60	
20	64QAM	1	0	20.73	20.71	20.69	20.63	20.64	21.2
20	64QAM	1	49	20.64	20.65	20.75	20.73	20.66	
20	64QAM	1	99	20.71	20.63	20.79	20.66	20.60	
20	64QAM	50	0	20.70	20.76	20.65	20.69	20.62	21.2
20	64QAM	50	24	20.76	20.73	20.82	20.61	20.60	
20	64QAM	50	50	20.69	20.62	20.80	20.60	20.54	
20	64QAM	100	0	20.75	20.72	20.64	20.71	20.48	
20	256QAM	1	0	19.39	19.31	19.49	19.27	18.87	20.4
20	256QAM	1	49	19.09	18.94	19.12	19.00	18.52	
20	256QAM	1	99	18.82	18.74	18.95	18.98	18.46	
20	256QAM	50	0	17.27	17.13	17.50	17.27	16.90	18.4
20	256QAM	50	24	17.33	17.13	17.40	17.35	16.76	
20	256QAM	50	50	17.40	17.10	17.44	17.24	16.77	
20	256QAM	100	0	17.17	17.04	17.38	17.15	16.87	
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	20.59	20.67	20.59	20.72	21.20
15	QPSK	1	37	20.59	20.59	20.59	20.63	20.54	
15	QPSK	1	74	20.54	20.45	20.73	20.50	20.46	
15	QPSK	36	0	20.61	20.43	20.75	20.64	20.49	21.2
15	QPSK	36	20	20.53	20.55	20.48	20.56	20.32	
15	QPSK	36	39	20.64	20.51	20.57	20.40	20.48	
15	QPSK	75	0	20.60	20.66	20.74	20.65	20.40	
15	16QAM	1	0	20.52	20.56	20.60	20.46	20.39	21.2
15	16QAM	1	37	20.60	20.58	20.61	20.41	20.57	
15	16QAM	1	74	20.75	20.62	20.68	20.63	20.38	
15	16QAM	36	0	20.55	20.42	20.50	20.58	20.43	21.2
15	16QAM	36	20	20.50	20.63	20.63	20.71	20.29	
15	16QAM	36	39	20.70	20.50	20.56	20.60	20.35	
15	16QAM	75	0	20.71	20.67	20.74	20.57	20.49	
15	64QAM	1	0	20.70	20.67	20.50	20.43	20.45	21.2
15	64QAM	1	37	20.61	20.62	20.71	20.65	20.60	
15	64QAM	1	74	20.51	20.50	20.66	20.46	20.50	
15	64QAM	36	0	20.69	20.76	20.51	20.58	20.43	21.2
15	64QAM	36	20	20.69	20.63	20.74	20.48	20.59	
15	64QAM	36	39	20.69	20.44	20.69	20.57	20.36	
15	64QAM	75	0	20.75	20.62	20.44	20.67	20.44	
15	256QAM	1	0	19.23	19.22	19.47	19.08	18.75	20.4
15	256QAM	1	37	18.91	18.88	19.03	18.99	18.52	
15	256QAM	1	74	18.72	18.74	18.89	18.80	18.59	
15	256QAM	36	0	17.21	16.95	17.33	17.14	16.81	18.4
15	256QAM	36	20	17.26	16.99	17.21	17.31	16.71	
15	256QAM	36	39	17.20	17.07	17.27	17.17	16.71	

15	256QAM	75	0	17.17	16.99	17.33	17.09	16.83	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.62	20.70	20.68	20.66	20.73	21.20
10	QPSK	1	25	20.68	20.58	20.55	20.70	20.59	
10	QPSK	1	49	20.54	20.45	20.67	20.53	20.39	
10	QPSK	25	0	20.58	20.56	20.77	20.57	20.53	21.2
10	QPSK	25	12	20.51	20.54	20.58	20.52	20.45	
10	QPSK	25	25	20.54	20.45	20.65	20.40	20.35	
10	QPSK	50	0	20.61	20.67	20.77	20.53	20.57	
10	16QAM	1	0	20.67	20.71	20.59	20.55	20.51	21.2
10	16QAM	1	25	20.76	20.43	20.60	20.53	20.50	
10	16QAM	1	49	20.69	20.61	20.69	20.54	20.32	
10	16QAM	25	0	20.56	20.41	20.50	20.49	20.53	21.2
10	16QAM	25	12	20.56	20.52	20.56	20.64	20.39	
10	16QAM	25	25	20.67	20.49	20.73	20.59	20.42	
10	16QAM	50	0	20.58	20.70	20.65	20.47	20.47	
10	64QAM	1	0	20.68	20.57	20.52	20.52	20.50	21.2
10	64QAM	1	25	20.45	20.47	20.64	20.70	20.59	
10	64QAM	1	49	20.66	20.59	20.62	20.59	20.55	
10	64QAM	25	0	20.58	20.62	20.52	20.52	20.42	21.2
10	64QAM	25	12	20.67	20.70	20.71	20.58	20.57	
10	64QAM	25	25	20.64	20.47	20.75	20.58	20.38	
10	64QAM	50	0	20.61	20.57	20.45	20.60	20.42	
10	256QAM	1	0	19.36	19.12	19.43	19.10	18.84	20.4
10	256QAM	1	25	18.90	18.91	19.07	18.86	18.59	
10	256QAM	1	49	18.67	18.60	18.83	18.92	18.49	
10	256QAM	25	0	17.19	17.05	17.36	17.12	16.76	18.4
10	256QAM	25	12	17.21	17.12	17.30	17.26	16.71	
10	256QAM	25	25	17.26	17.08	17.35	17.11	16.71	
10	256QAM	50	0	17.10	16.88	17.35	17.07	16.68	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	20.65	20.74	20.68	20.65	20.59	21.20
5	QPSK	1	12	20.53	20.63	20.61	20.54	20.60	
5	QPSK	1	24	20.52	20.57	20.64	20.61	20.39	
5	QPSK	12	0	20.66	20.60	20.80	20.55	20.48	21.2
5	QPSK	12	7	20.43	20.42	20.54	20.57	20.34	
5	QPSK	12	13	20.62	20.54	20.56	20.46	20.40	
5	QPSK	25	0	20.78	20.69	20.66	20.61	20.38	
5	16QAM	1	0	20.62	20.59	20.54	20.53	20.48	21.2
5	16QAM	1	12	20.65	20.43	20.52	20.37	20.55	
5	16QAM	1	24	20.72	20.57	20.77	20.73	20.33	
5	16QAM	12	0	20.50	20.57	20.47	20.57	20.44	21.2
5	16QAM	12	7	20.67	20.53	20.63	20.69	20.33	
5	16QAM	12	13	20.64	20.46	20.72	20.55	20.33	
5	16QAM	25	0	20.55	20.71	20.79	20.53	20.44	
5	64QAM	1	0	20.67	20.71	20.52	20.56	20.57	21.2
5	64QAM	1	12	20.49	20.61	20.57	20.72	20.54	
5	64QAM	1	24	20.63	20.58	20.66	20.52	20.42	
5	64QAM	12	0	20.60	20.75	20.50	20.56	20.48	21.2
5	64QAM	12	7	20.63	20.66	20.69	20.47	20.45	
5	64QAM	12	13	20.52	20.58	20.71	20.59	20.37	
5	64QAM	25	0	20.68	20.62	20.60	20.69	20.35	
5	256QAM	1	0	19.39	19.30	19.33	19.10	18.72	20.4
5	256QAM	1	12	19.01	18.77	18.97	18.91	18.46	
5	256QAM	1	24	18.71	18.57	18.90	18.88	18.57	
5	256QAM	12	0	17.09	17.12	17.37	17.12	16.74	18.4
5	256QAM	12	7	17.27	17.02	17.31	17.25	16.61	
5	256QAM	12	13	17.34	17.07	17.27	17.14	16.74	
5	256QAM	25	0	17.05	16.84	17.23	17.11	16.78	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	26.33	26.31	26.29	26.30	26.17	27.4
20	QPSK	1	49	26.19	26.18	26.22	26.18	26.06	
20	QPSK	1	99	26.20	26.18	26.14	26.18	26.06	
20	QPSK	50	0	25.36	25.32	25.31	25.26	25.21	26.4
20	QPSK	50	24	25.33	25.29	25.26	25.24	25.19	
20	QPSK	50	50	25.33	25.25	25.25	25.25	25.20	
20	QPSK	100	0	25.33	25.27	25.28	25.31	25.22	
20	16QAM	1	0	25.46	25.58	25.52	25.43	25.53	26.4
20	16QAM	1	49	25.70	25.66	25.36	25.41	25.52	
20	16QAM	1	99	25.67	25.61	25.38	25.40	25.25	
20	16QAM	50	0	24.33	24.27	24.26	24.20	24.16	25.4
20	16QAM	50	24	24.31	24.29	24.26	24.19	24.18	
20	16QAM	50	50	24.32	24.28	24.24	24.26	24.17	
20	16QAM	100	0	24.32	24.33	24.32	24.25	24.21	
20	64QAM	1	0	24.19	24.35	24.44	24.35	24.05	25.4
20	64QAM	1	49	24.33	24.41	24.22	24.29	24.16	
20	64QAM	1	99	24.30	24.29	24.16	24.39	24.26	
20	64QAM	50	0	23.32	23.30	23.31	23.27	23.44	24.4
20	64QAM	50	24	23.45	23.27	23.29	23.24	23.19	
20	64QAM	50	50	23.29	23.25	23.26	23.26	23.18	
20	64QAM	100	0	23.51	23.31	23.28	23.25	23.20	
20	256QAM	1	0	21.27	21.36	21.74	21.48	21.17	22.4
20	256QAM	1	49	20.91	20.99	21.46	21.19	20.89	
20	256QAM	1	99	20.84	20.93	21.41	21.05	20.74	
20	256QAM	50	0	18.96	19.03	19.43	19.07	18.76	20.4
20	256QAM	50	24	18.81	18.99	19.37	19.09	18.73	
20	256QAM	50	50	18.79	18.87	19.30	18.95	18.70	
20	256QAM	100	0	18.85	18.85	19.33	19.02	18.72	
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	26.20	26.14	26.10	26.29	26.08	27.40
15	QPSK	1	37	26.17	26.10	26.18	26.06	25.99	
15	QPSK	1	74	26.07	25.98	26.12	26.13	26.04	
15	QPSK	36	0	25.34	25.27	25.27	25.25	25.19	26.4
15	QPSK	36	20	25.21	25.09	25.15	25.10	25.16	
15	QPSK	36	39	25.29	25.13	25.20	25.17	25.04	
15	QPSK	75	0	25.26	25.12	25.26	25.28	25.09	
15	16QAM	1	0	25.45	25.57	25.46	25.23	25.35	26.4
15	16QAM	1	37	25.68	25.51	25.19	25.24	25.35	
15	16QAM	1	74	25.53	25.56	25.33	25.33	25.11	
15	16QAM	36	0	24.29	24.08	24.14	24.09	24.08	25.4
15	16QAM	36	20	24.31	24.12	24.25	24.02	24.14	
15	16QAM	36	39	24.13	24.27	24.23	24.09	24.01	
15	16QAM	75	0	24.30	24.23	24.22	24.15	24.07	
15	64QAM	1	0	24.11	24.27	24.44	24.21	23.87	25.4
15	64QAM	1	37	24.17	24.33	24.19	24.15	24.08	
15	64QAM	1	74	24.17	24.25	24.08	24.38	24.19	
15	64QAM	36	0	23.20	23.21	23.21	23.19	23.40	24.4
15	64QAM	36	20	23.31	23.23	23.19	23.14	23.17	
15	64QAM	36	39	23.28	23.10	23.08	23.18	23.16	
15	64QAM	75	0	23.36	23.13	23.24	23.13	23.17	
15	256QAM	1	0	21.11	21.33	21.74	21.40	21.16	22.4
15	256QAM	1	37	20.90	20.99	21.28	20.99	20.69	
15	256QAM	1	74	20.79	20.93	21.23	20.90	20.65	
15	256QAM	36	0	18.83	18.95	19.30	19.00	18.70	20.4
15	256QAM	36	20	18.79	18.89	19.26	19.05	18.66	
15	256QAM	36	39	18.75	18.76	19.21	18.90	18.63	

15	256QAM	75	0	18.67	18.66	19.21	18.85	18.56	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.24	26.26	26.13	26.20	26.17	27.40
10	QPSK	1	25	26.00	26.01	26.06	26.03	25.90	
10	QPSK	1	49	26.02	25.98	26.01	26.13	25.90	
10	QPSK	25	0	25.24	25.26	25.31	25.09	25.13	26.4
10	QPSK	25	12	25.22	25.09	25.06	25.23	25.16	
10	QPSK	25	25	25.22	25.20	25.22	25.23	25.09	
10	QPSK	50	0	25.24	25.09	25.23	25.29	25.13	
10	16QAM	1	0	25.36	25.46	25.42	25.33	25.47	26.4
10	16QAM	1	25	25.63	25.46	25.36	25.33	25.41	
10	16QAM	1	49	25.67	25.55	25.32	25.37	25.06	
10	16QAM	25	0	24.18	24.22	24.12	24.18	24.01	25.4
10	16QAM	25	12	24.14	24.12	24.20	24.18	24.11	
10	16QAM	25	25	24.29	24.13	24.18	24.23	24.13	
10	16QAM	50	0	24.18	24.13	24.26	24.19	24.15	
10	64QAM	1	0	24.02	24.22	24.36	24.19	23.96	25.4
10	64QAM	1	25	24.18	24.37	24.10	24.21	24.15	
10	64QAM	1	49	24.13	24.21	24.13	24.39	24.21	
10	64QAM	25	0	23.21	23.27	23.13	23.14	23.28	24.4
10	64QAM	25	12	23.29	23.12	23.18	23.13	23.05	
10	64QAM	25	25	23.23	23.14	23.20	23.07	23.12	
10	64QAM	50	0	23.32	23.23	23.13	23.14	23.15	
10	256QAM	1	0	21.21	21.23	21.67	21.37	21.16	22.4
10	256QAM	1	25	20.88	20.85	21.45	21.07	20.85	
10	256QAM	1	49	20.82	20.87	21.28	20.91	20.71	
10	256QAM	25	0	18.77	18.88	19.29	18.99	18.62	20.4
10	256QAM	25	12	18.79	18.86	19.30	19.07	18.71	
10	256QAM	25	25	18.70	18.85	19.24	18.76	18.59	
10	256QAM	50	0	18.76	18.81	19.20	19.00	18.62	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.25	26.26	26.12	26.24	26.13	27.40
5	QPSK	1	12	26.02	26.05	26.08	26.00	25.96	
5	QPSK	1	24	26.03	26.05	26.07	26.13	25.88	
5	QPSK	12	0	25.25	25.22	25.17	25.16	25.05	26.4
5	QPSK	12	7	25.22	25.17	25.26	25.14	25.09	
5	QPSK	12	13	25.22	25.09	25.18	25.15	25.20	
5	QPSK	25	0	25.33	25.22	25.08	25.30	25.06	
5	16QAM	1	0	25.32	25.46	25.44	25.35	25.46	26.4
5	16QAM	1	12	25.65	25.55	25.36	25.33	25.39	
5	16QAM	1	24	25.48	25.58	25.32	25.28	25.24	
5	16QAM	12	0	24.30	24.17	24.11	24.13	24.04	25.4
5	16QAM	12	7	24.17	24.15	24.26	24.19	23.99	
5	16QAM	12	13	24.27	24.21	24.10	24.18	24.05	
5	16QAM	25	0	24.25	24.26	24.29	24.23	24.05	
5	64QAM	1	0	24.07	24.29	24.25	24.16	24.03	25.4
5	64QAM	1	12	24.33	24.29	24.21	24.26	23.97	
5	64QAM	1	24	24.12	24.28	24.14	24.25	24.26	
5	64QAM	12	0	23.23	23.18	23.22	23.21	23.33	24.4
5	64QAM	12	7	23.40	23.24	23.21	23.13	23.03	
5	64QAM	12	13	23.23	23.05	23.22	23.12	23.04	
5	64QAM	25	0	23.45	23.26	23.08	23.24	23.17	
5	256QAM	1	0	21.13	21.19	21.56	21.39	20.99	22.4
5	256QAM	1	12	20.76	20.97	21.39	21.00	20.80	
5	256QAM	1	24	20.66	20.76	21.27	20.92	20.72	
5	256QAM	12	0	18.77	19.02	19.27	19.02	18.57	20.4
5	256QAM	12	7	18.63	18.79	19.34	18.91	18.64	
5	256QAM	12	13	18.65	18.83	19.26	18.78	18.69	
5	256QAM	25	0	18.83	18.65	19.24	18.86	18.65	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	22.43	22.43	22.50	22.45	22.25	22.5
20	QPSK	1	49	22.32	22.32	22.34	22.33	22.16	
20	QPSK	1	99	22.41	22.38	22.42	22.44	22.26	
20	QPSK	50	0	22.47	22.49	22.50	22.40	22.36	22.5
20	QPSK	50	24	22.47	22.41	22.50	22.33	22.35	
20	QPSK	50	50	22.43	22.47	22.46	22.37	22.33	
20	QPSK	100	0	22.46	22.42	22.49	22.44	22.35	
20	16QAM	1	0	22.46	22.40	22.46	22.46	22.35	22.5
20	16QAM	1	49	22.33	22.31	22.29	22.33	22.31	
20	16QAM	1	99	22.45	22.44	22.48	22.48	22.32	
20	16QAM	50	0	22.22	22.23	22.24	22.19	22.10	22.5
20	16QAM	50	24	22.23	22.21	22.19	22.16	22.06	
20	16QAM	50	50	22.23	22.21	22.16	22.18	22.07	
20	16QAM	100	0	22.21	22.22	22.25	22.22	22.05	
20	64QAM	1	0	22.33	22.07	22.34	22.49	22.30	22.5
20	64QAM	1	49	22.33	22.07	22.40	22.34	22.26	
20	64QAM	1	99	22.28	22.25	22.21	22.29	22.29	
20	64QAM	50	0	22.20	22.23	22.20	22.12	22.04	22.5
20	64QAM	50	24	22.20	22.18	22.20	22.14	22.05	
20	64QAM	50	50	22.18	22.21	22.10	22.12	22.07	
20	64QAM	100	0	22.18	22.19	22.18	22.15	22.04	
20	256QAM	1	0	20.87	20.98	21.44	21.04	20.85	22.4
20	256QAM	1	49	20.60	20.46	21.11	20.67	20.47	
20	256QAM	1	99	20.55	20.48	20.96	20.47	20.51	
20	256QAM	50	0	18.62	18.57	19.01	18.59	18.44	20.4
20	256QAM	50	24	18.42	18.69	18.87	18.65	18.59	
20	256QAM	50	50	18.50	18.61	18.80	18.64	18.41	
20	256QAM	100	0	18.46	18.42	18.77	18.55	18.49	
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	22.38	22.28	22.31	22.26	22.23	22.50
15	QPSK	1	37	22.26	22.12	22.22	22.24	22.15	
15	QPSK	1	74	22.22	22.31	22.28	22.42	22.06	
15	QPSK	36	0	22.42	22.47	22.35	22.40	22.20	22.5
15	QPSK	36	20	22.30	22.28	22.32	22.28	22.35	
15	QPSK	36	39	22.43	22.37	22.27	22.19	22.17	
15	QPSK	75	0	22.36	22.32	22.36	22.42	22.27	
15	16QAM	1	0	22.33	22.35	22.36	22.29	22.33	22.5
15	16QAM	1	37	22.33	22.19	22.26	22.19	22.15	
15	16QAM	1	74	22.26	22.40	22.32	22.28	22.29	
15	16QAM	36	0	22.20	22.10	22.06	22.14	22.07	22.5
15	16QAM	36	20	22.16	22.14	22.04	21.99	21.97	
15	16QAM	36	39	22.19	22.10	21.96	22.18	21.89	
15	16QAM	75	0	22.15	22.02	22.21	22.16	22.05	
15	64QAM	1	0	22.19	22.02	22.24	22.40	22.12	22.5
15	64QAM	1	37	22.31	21.89	22.26	22.28	22.12	
15	64QAM	1	74	22.12	22.07	22.05	22.11	22.25	
15	64QAM	36	0	22.19	22.12	22.02	22.06	22.00	22.5
15	64QAM	36	20	22.19	22.07	22.06	21.95	21.99	
15	64QAM	36	39	22.15	22.19	21.91	22.02	22.02	
15	64QAM	75	0	22.01	22.03	22.14	22.12	22.02	
15	256QAM	1	0	20.82	20.91	21.42	20.97	20.81	22.4
15	256QAM	1	37	20.52	20.46	21.08	20.54	20.58	
15	256QAM	1	74	20.40	20.47	20.83	20.46	20.51	
15	256QAM	36	0	18.43	18.54	18.95	18.59	18.49	20.4
15	256QAM	36	20	18.55	18.61	18.67	18.65	18.57	
15	256QAM	36	39	18.47	18.42	18.78	18.60	18.40	

15	256QAM	75	0	18.46	18.54	18.63	18.43	18.46	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.39	22.25	22.45	22.44	22.13	22.50
10	QPSK	1	25	22.25	22.20	22.17	22.13	22.12	
10	QPSK	1	49	22.28	22.33	22.26	22.24	22.09	
10	QPSK	25	0	22.41	22.33	22.44	22.36	22.26	22.5
10	QPSK	25	12	22.36	22.27	22.34	22.32	22.16	
10	QPSK	25	25	22.27	22.27	22.30	22.23	22.13	
10	QPSK	50	0	22.27	22.34	22.45	22.25	22.28	
10	16QAM	1	0	22.34	22.38	22.27	22.34	22.17	22.5
10	16QAM	1	25	22.33	22.12	22.16	22.19	22.12	
10	16QAM	1	49	22.40	22.26	22.33	22.36	22.17	
10	16QAM	25	0	22.16	22.15	22.23	22.06	22.06	22.5
10	16QAM	25	12	22.17	22.14	21.99	22.03	21.97	
10	16QAM	25	25	22.23	22.04	22.13	21.99	21.94	
10	16QAM	50	0	22.10	22.12	22.06	22.21	21.87	
10	64QAM	1	0	22.22	21.98	22.17	22.41	22.24	22.5
10	64QAM	1	25	22.16	21.96	22.30	22.34	22.21	
10	64QAM	1	49	22.15	22.07	22.06	22.25	22.09	
10	64QAM	25	0	22.02	22.20	22.00	21.95	21.90	22.5
10	64QAM	25	12	22.14	22.03	22.12	21.97	21.88	
10	64QAM	25	25	22.11	22.19	22.04	22.06	22.06	
10	64QAM	50	0	22.11	22.04	22.07	21.96	21.90	
10	256QAM	1	0	20.86	20.81	21.27	20.99	20.82	22.4
10	256QAM	1	25	20.47	20.55	21.08	20.63	20.57	
10	256QAM	1	49	20.55	20.40	20.93	20.49	20.42	
10	256QAM	25	0	18.46	18.50	18.82	18.40	18.44	20.4
10	256QAM	25	12	18.57	18.49	18.71	18.45	18.54	
10	256QAM	25	25	18.41	18.48	18.63	18.56	18.41	
10	256QAM	50	0	18.54	18.47	18.60	18.56	18.51	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.34	22.27	22.48	22.44	22.11	22.50
5	QPSK	1	12	22.29	22.23	22.23	22.21	22.06	
5	QPSK	1	24	22.35	22.26	22.26	22.36	22.17	
5	QPSK	12	0	22.44	22.48	22.31	22.29	22.19	22.5
5	QPSK	12	7	22.46	22.40	22.36	22.20	22.30	
5	QPSK	12	13	22.28	22.34	22.30	22.27	22.13	
5	QPSK	25	0	22.30	22.33	22.29	22.39	22.24	
5	16QAM	1	0	22.42	22.36	22.45	22.41	22.15	22.5
5	16QAM	1	12	22.15	22.16	22.19	22.15	22.20	
5	16QAM	1	24	22.25	22.36	22.44	22.36	22.21	
5	16QAM	12	0	22.05	22.12	22.14	22.01	22.10	22.5
5	16QAM	12	7	22.13	22.07	22.06	22.12	22.03	
5	16QAM	12	13	22.09	22.03	22.08	22.06	22.05	
5	16QAM	25	0	22.12	22.10	22.18	22.08	21.92	
5	64QAM	1	0	22.24	22.04	22.25	22.34	22.17	22.5
5	64QAM	1	12	22.15	21.91	22.38	22.17	22.06	
5	64QAM	1	24	22.20	22.20	22.18	22.19	22.22	
5	64QAM	12	0	22.18	22.16	22.01	22.12	21.98	22.5
5	64QAM	12	7	22.18	22.09	22.04	22.06	22.03	
5	64QAM	12	13	22.11	22.12	22.00	22.05	22.06	
5	64QAM	25	0	21.98	22.04	22.00	22.09	21.97	
5	256QAM	1	0	20.83	20.80	21.25	20.84	20.74	22.4
5	256QAM	1	12	20.40	20.51	21.08	20.56	20.52	
5	256QAM	1	24	20.45	20.41	20.92	20.56	20.53	
5	256QAM	12	0	18.53	18.41	18.91	18.52	18.56	20.4
5	256QAM	12	7	18.55	18.54	18.67	18.59	18.48	
5	256QAM	12	13	18.44	18.50	18.62	18.54	18.47	
5	256QAM	25	0	18.48	18.47	18.61	18.53	18.60	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	23.87	23.86	23.90	23.83	23.79	24.7
20	QPSK	1	49	23.84	23.85	23.85	23.80	23.75	
20	QPSK	1	99	23.80	23.85	23.80	23.75	23.67	
20	QPSK	50	0	23.81	23.86	23.88	23.84	23.72	24.7
20	QPSK	50	24	23.80	23.78	23.84	23.82	23.72	
20	QPSK	50	50	23.81	23.85	23.83	23.83	23.72	
20	QPSK	100	0	23.81	23.82	23.88	23.84	23.71	
20	16QAM	1	0	23.80	23.70	23.65	23.85	23.79	24.7
20	16QAM	1	49	23.81	23.86	23.73	23.70	23.85	
20	16QAM	1	99	23.76	23.73	23.85	23.72	23.71	
20	16QAM	50	0	23.82	23.87	23.88	23.86	23.75	24.7
20	16QAM	50	24	23.89	23.87	23.85	23.84	23.73	
20	16QAM	50	50	23.82	23.86	23.82	23.82	23.75	
20	16QAM	100	0	23.80	23.87	23.86	23.86	23.77	
20	64QAM	1	0	23.75	23.74	23.57	23.70	23.89	24.7
20	64QAM	1	49	23.69	23.74	23.56	23.50	23.80	
20	64QAM	1	99	23.72	23.75	23.70	23.63	23.80	
20	64QAM	50	0	23.82	23.87	23.85	23.83	23.70	24.4
20	64QAM	50	24	23.87	23.85	23.84	23.83	23.72	
20	64QAM	50	50	23.82	23.85	23.84	23.85	23.73	
20	64QAM	100	0	23.81	23.85	23.86	23.86	23.72	
20	256QAM	1	0	21.24	21.38	21.80	21.45	21.18	22.4
20	256QAM	1	49	20.93	20.96	21.56	21.12	20.91	
20	256QAM	1	99	20.91	20.96	21.40	20.96	20.72	
20	256QAM	50	0	19.01	19.02	19.45	19.07	18.75	20.4
20	256QAM	50	24	18.82	19.07	19.34	19.00	18.81	
20	256QAM	50	50	18.69	18.91	19.26	19.03	18.64	
20	256QAM	100	0	18.86	18.85	19.24	18.94	18.67	
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	23.78	23.74	23.79	23.83	23.74	24.70
15	QPSK	1	37	23.69	23.68	23.76	23.78	23.65	
15	QPSK	1	74	23.78	23.75	23.69	23.75	23.60	
15	QPSK	36	0	23.81	23.82	23.87	23.82	23.69	24.7
15	QPSK	36	20	23.66	23.64	23.64	23.87	23.58	
15	QPSK	36	39	23.68	23.79	23.66	23.81	23.71	
15	QPSK	75	0	23.66	23.68	23.83	23.66	23.57	
15	16QAM	1	0	23.64	23.70	23.59	23.70	23.79	24.7
15	16QAM	1	37	23.76	23.67	23.69	23.62	23.85	
15	16QAM	1	74	23.61	23.68	23.79	23.56	23.67	
15	16QAM	36	0	23.68	23.70	23.88	23.86	23.63	24.7
15	16QAM	36	20	23.84	23.80	23.70	23.71	23.54	
15	16QAM	36	39	23.68	23.69	23.73	23.74	23.64	
15	16QAM	75	0	23.66	23.87	23.82	23.77	23.72	
15	64QAM	1	0	23.63	23.73	23.41	23.53	23.87	24.7
15	64QAM	1	37	23.66	23.62	23.51	23.46	23.74	
15	64QAM	1	74	23.53	23.73	23.58	23.47	23.65	
15	64QAM	36	0	23.64	23.86	23.80	23.83	23.53	24.4
15	64QAM	36	20	23.74	23.74	23.71	23.77	23.70	
15	64QAM	36	39	23.68	23.85	23.71	23.72	23.69	
15	64QAM	75	0	23.71	23.72	23.79	23.76	23.62	
15	256QAM	1	0	21.08	21.25	21.77	21.43	21.17	22.4
15	256QAM	1	37	20.75	20.79	21.54	21.04	20.72	
15	256QAM	1	74	20.75	20.96	21.35	20.90	20.66	
15	256QAM	36	0	18.96	18.97	19.43	18.99	18.56	20.4
15	256QAM	36	20	18.74	18.95	19.33	18.99	18.74	
15	256QAM	36	39	18.51	18.77	19.16	19.00	18.45	

15	256QAM	75	0	18.72	18.69	19.14	18.90	18.60	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.68	23.74	23.90	23.76	23.64	24.70
10	QPSK	1	25	23.73	23.71	23.81	23.75	23.65	
10	QPSK	1	49	23.64	23.70	23.65	23.74	23.57	
10	QPSK	25	0	23.65	23.67	23.72	23.75	23.53	24.7
10	QPSK	25	12	23.67	23.70	23.65	23.86	23.72	
10	QPSK	25	25	23.71	23.77	23.64	23.78	23.55	
10	QPSK	50	0	23.73	23.73	23.68	23.81	23.67	
10	16QAM	1	0	23.75	23.63	23.48	23.76	23.74	24.7
10	16QAM	1	25	23.77	23.86	23.72	23.51	23.76	
10	16QAM	1	49	23.58	23.62	23.77	23.62	23.58	
10	16QAM	25	0	23.71	23.84	23.79	23.69	23.72	24.7
10	16QAM	25	12	23.86	23.79	23.78	23.78	23.54	
10	16QAM	25	25	23.78	23.83	23.63	23.65	23.57	
10	16QAM	50	0	23.77	23.68	23.77	23.74	23.73	
10	64QAM	1	0	23.73	23.65	23.51	23.69	23.86	24.7
10	64QAM	1	25	23.69	23.56	23.42	23.47	23.79	
10	64QAM	1	49	23.65	23.64	23.68	23.59	23.66	
10	64QAM	25	0	23.70	23.73	23.74	23.67	23.56	24.4
10	64QAM	25	12	23.72	23.85	23.80	23.79	23.53	
10	64QAM	25	25	23.67	23.76	23.66	23.85	23.73	
10	64QAM	50	0	23.65	23.66	23.74	23.82	23.70	
10	256QAM	1	0	21.08	21.38	21.60	21.34	21.04	22.4
10	256QAM	1	25	20.83	20.94	21.55	21.04	20.71	
10	256QAM	1	49	20.78	20.82	21.35	20.76	20.55	
10	256QAM	25	0	18.84	18.94	19.30	18.91	18.71	20.4
10	256QAM	25	12	18.66	19.02	19.17	18.84	18.66	
10	256QAM	25	25	18.50	18.87	19.11	18.93	18.57	
10	256QAM	50	0	18.86	18.82	19.04	18.74	18.51	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.81	23.75	23.71	23.68	23.64	24.70
5	QPSK	1	12	23.78	23.82	23.84	23.75	23.69	
5	QPSK	1	24	23.69	23.80	23.72	23.55	23.56	
5	QPSK	12	0	23.81	23.80	23.80	23.80	23.60	24.7
5	QPSK	12	7	23.72	23.74	23.66	23.68	23.63	
5	QPSK	12	13	23.79	23.76	23.68	23.78	23.63	
5	QPSK	25	0	23.72	23.77	23.85	23.82	23.69	
5	16QAM	1	0	23.63	23.69	23.58	23.68	23.62	24.7
5	16QAM	1	12	23.81	23.78	23.67	23.64	23.70	
5	16QAM	1	24	23.68	23.60	23.82	23.62	23.67	
5	16QAM	12	0	23.79	23.69	23.88	23.74	23.70	24.7
5	16QAM	12	7	23.69	23.78	23.75	23.78	23.59	
5	16QAM	12	13	23.81	23.78	23.71	23.78	23.72	
5	16QAM	25	0	23.76	23.68	23.80	23.70	23.71	
5	64QAM	1	0	23.63	23.62	23.43	23.56	23.73	24.7
5	64QAM	1	12	23.55	23.65	23.38	23.32	23.80	
5	64QAM	1	24	23.57	23.75	23.53	23.61	23.66	
5	64QAM	12	0	23.77	23.82	23.72	23.76	23.56	24.4
5	64QAM	12	7	23.86	23.82	23.74	23.69	23.65	
5	64QAM	12	13	23.82	23.84	23.76	23.85	23.53	
5	64QAM	25	0	23.77	23.79	23.83	23.82	23.68	
5	256QAM	1	0	21.07	21.25	21.64	21.26	21.09	22.4
5	256QAM	1	12	20.91	20.93	21.54	21.04	20.75	
5	256QAM	1	24	20.81	20.93	21.35	20.77	20.58	
5	256QAM	12	0	18.88	19.01	19.28	18.88	18.66	20.4
5	256QAM	12	7	18.71	18.87	19.15	18.93	18.75	
5	256QAM	12	13	18.65	18.71	19.06	18.88	18.45	
5	256QAM	25	0	18.79	18.82	19.22	18.74	18.55	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	23.87	23.86	23.90	23.83	23.79	23.9
20	QPSK	1	49	23.89	23.85	23.85	23.80	23.75	
20	QPSK	1	99	23.80	23.85	23.80	23.75	23.67	
20	QPSK	50	0	23.81	23.86	23.88	23.84	23.72	23.9
20	QPSK	50	24	23.80	23.78	23.84	23.87	23.72	
20	QPSK	50	50	23.81	23.85	23.83	23.83	23.72	
20	QPSK	100	0	23.81	23.82	23.88	23.84	23.71	
20	16QAM	1	0	23.80	23.70	23.65	23.85	23.79	23.9
20	16QAM	1	49	23.81	23.86	23.73	23.70	23.85	
20	16QAM	1	99	23.76	23.73	23.85	23.72	23.71	
20	16QAM	50	0	23.82	23.87	23.88	23.86	23.75	23.9
20	16QAM	50	24	23.89	23.87	23.85	23.84	23.73	
20	16QAM	50	50	23.82	23.86	23.82	23.82	23.75	
20	16QAM	100	0	23.80	23.87	23.86	23.86	23.77	
20	64QAM	1	0	23.75	23.74	23.57	23.70	23.89	23.9
20	64QAM	1	49	23.69	23.74	23.56	23.50	23.80	
20	64QAM	1	99	23.72	23.75	23.70	23.63	23.80	
20	64QAM	50	0	23.82	23.87	23.85	23.83	23.70	23.9
20	64QAM	50	24	23.87	23.85	23.84	23.83	23.72	
20	64QAM	50	50	23.82	23.85	23.84	23.85	23.73	
20	64QAM	100	0	23.81	23.85	23.86	23.86	23.72	
20	256QAM	1	0	21.24	21.38	21.80	21.45	21.18	22.4
20	256QAM	1	49	20.93	20.96	21.56	21.12	20.91	
20	256QAM	1	99	20.91	20.96	21.40	20.96	20.72	
20	256QAM	50	0	19.01	19.02	19.45	19.07	18.75	20.4
20	256QAM	50	24	18.82	19.07	19.34	19.00	18.81	
20	256QAM	50	50	18.69	18.91	19.26	19.03	18.64	
20	256QAM	100	0	18.86	18.85	19.24	18.94	18.67	
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	23.78	23.74	23.79	23.83	23.74	23.90
15	QPSK	1	37	23.69	23.68	23.76	23.78	23.65	
15	QPSK	1	74	23.78	23.75	23.69	23.75	23.60	
15	QPSK	36	0	23.81	23.82	23.87	23.82	23.69	23.9
15	QPSK	36	20	23.66	23.64	23.64	23.87	23.58	
15	QPSK	36	39	23.68	23.79	23.66	23.81	23.71	
15	QPSK	75	0	23.66	23.68	23.83	23.66	23.57	
15	16QAM	1	0	23.64	23.70	23.59	23.70	23.79	23.9
15	16QAM	1	37	23.76	23.67	23.69	23.62	23.85	
15	16QAM	1	74	23.61	23.68	23.79	23.56	23.67	
15	16QAM	36	0	23.68	23.70	23.88	23.86	23.63	23.9
15	16QAM	36	20	23.84	23.80	23.70	23.71	23.54	
15	16QAM	36	39	23.68	23.69	23.73	23.74	23.64	
15	16QAM	75	0	23.66	23.87	23.82	23.77	23.72	
15	64QAM	1	0	23.63	23.73	23.41	23.53	23.87	23.9
15	64QAM	1	37	23.66	23.62	23.51	23.46	23.74	
15	64QAM	1	74	23.53	23.73	23.58	23.47	23.65	
15	64QAM	36	0	23.64	23.86	23.80	23.83	23.53	23.9
15	64QAM	36	20	23.74	23.74	23.71	23.77	23.70	
15	64QAM	36	39	23.68	23.85	23.71	23.72	23.69	
15	64QAM	75	0	23.71	23.72	23.79	23.76	23.62	
15	256QAM	1	0	21.08	21.25	21.77	21.43	21.17	22.4
15	256QAM	1	37	20.75	20.79	21.54	21.04	20.72	
15	256QAM	1	74	20.75	20.96	21.35	20.90	20.66	
15	256QAM	36	0	18.96	18.97	19.43	18.99	18.56	20.4
15	256QAM	36	20	18.74	18.95	19.33	18.99	18.74	
15	256QAM	36	39	18.51	18.77	19.16	19.00	18.45	

15	256QAM	75	0	18.72	18.69	19.14	18.90	18.60	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.68	23.74	23.90	23.76	23.64	23.90
10	QPSK	1	25	23.73	23.71	23.81	23.75	23.65	
10	QPSK	1	49	23.64	23.70	23.65	23.74	23.57	
10	QPSK	25	0	23.65	23.67	23.72	23.75	23.53	23.9
10	QPSK	25	12	23.67	23.70	23.65	23.86	23.72	
10	QPSK	25	25	23.71	23.77	23.64	23.78	23.55	
10	QPSK	50	0	23.73	23.73	23.68	23.81	23.67	
10	16QAM	1	0	23.75	23.63	23.48	23.76	23.74	23.9
10	16QAM	1	25	23.77	23.86	23.72	23.51	23.76	
10	16QAM	1	49	23.58	23.62	23.77	23.62	23.58	
10	16QAM	25	0	23.71	23.84	23.79	23.69	23.72	23.9
10	16QAM	25	12	23.86	23.79	23.78	23.78	23.54	
10	16QAM	25	25	23.78	23.83	23.63	23.65	23.57	
10	16QAM	50	0	23.77	23.68	23.77	23.74	23.73	
10	64QAM	1	0	23.73	23.65	23.51	23.69	23.86	23.9
10	64QAM	1	25	23.69	23.56	23.42	23.47	23.79	
10	64QAM	1	49	23.65	23.64	23.68	23.59	23.66	
10	64QAM	25	0	23.70	23.73	23.74	23.67	23.56	23.9
10	64QAM	25	12	23.72	23.85	23.80	23.79	23.53	
10	64QAM	25	25	23.67	23.76	23.66	23.85	23.73	
10	64QAM	50	0	23.65	23.66	23.74	23.82	23.70	
10	256QAM	1	0	21.08	21.38	21.60	21.34	21.04	22.4
10	256QAM	1	25	20.83	20.94	21.55	21.04	20.71	
10	256QAM	1	49	20.78	20.82	21.35	20.76	20.55	
10	256QAM	25	0	18.84	18.94	19.30	18.91	18.71	20.4
10	256QAM	25	12	18.66	19.02	19.17	18.84	18.66	
10	256QAM	25	25	18.50	18.87	19.11	18.93	18.57	
10	256QAM	50	0	18.86	18.82	19.04	18.74	18.51	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.81	23.75	23.71	23.68	23.64	23.90
5	QPSK	1	12	23.78	23.82	23.84	23.75	23.69	
5	QPSK	1	24	23.69	23.80	23.72	23.55	23.56	
5	QPSK	12	0	23.81	23.80	23.80	23.80	23.60	23.9
5	QPSK	12	7	23.72	23.74	23.66	23.68	23.63	
5	QPSK	12	13	23.79	23.76	23.68	23.78	23.63	
5	QPSK	25	0	23.72	23.77	23.85	23.82	23.69	
5	16QAM	1	0	23.63	23.69	23.58	23.68	23.62	23.9
5	16QAM	1	12	23.81	23.78	23.67	23.64	23.70	
5	16QAM	1	24	23.68	23.60	23.82	23.62	23.67	
5	16QAM	12	0	23.79	23.69	23.88	23.74	23.70	23.9
5	16QAM	12	7	23.69	23.78	23.75	23.78	23.59	
5	16QAM	12	13	23.81	23.78	23.71	23.78	23.72	
5	16QAM	25	0	23.76	23.68	23.80	23.70	23.71	
5	64QAM	1	0	23.63	23.62	23.43	23.56	23.73	23.9
5	64QAM	1	12	23.55	23.65	23.38	23.32	23.80	
5	64QAM	1	24	23.57	23.75	23.53	23.61	23.66	
5	64QAM	12	0	23.77	23.82	23.72	23.76	23.56	23.9
5	64QAM	12	7	23.86	23.82	23.74	23.69	23.65	
5	64QAM	12	13	23.82	23.84	23.76	23.85	23.53	
5	64QAM	25	0	23.77	23.79	23.83	23.82	23.68	
5	256QAM	1	0	21.07	21.25	21.64	21.26	21.09	22.4
5	256QAM	1	12	20.91	20.93	21.54	21.04	20.75	
5	256QAM	1	24	20.81	20.93	21.35	20.77	20.58	
5	256QAM	12	0	18.88	19.01	19.28	18.88	18.66	20.4
5	256QAM	12	7	18.71	18.87	19.15	18.93	18.75	
5	256QAM	12	13	18.65	18.71	19.06	18.88	18.45	
5	256QAM	25	0	18.79	18.82	19.22	18.74	18.55	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	26.33	26.31	26.29	26.30	26.17	27.4
20	QPSK	1	49	26.19	26.18	26.22	26.18	26.06	
20	QPSK	1	99	26.20	26.18	26.14	26.18	26.06	
20	QPSK	50	0	25.36	25.32	25.31	25.26	25.21	26.4
20	QPSK	50	24	25.33	25.29	25.26	25.24	25.19	
20	QPSK	50	50	25.33	25.25	25.25	25.25	25.20	
20	QPSK	100	0	25.33	25.27	25.28	25.31	25.22	
20	16QAM	1	0	25.46	25.58	25.52	25.43	25.53	26.4
20	16QAM	1	49	25.70	25.66	25.36	25.41	25.52	
20	16QAM	1	99	25.67	25.61	25.38	25.40	25.25	
20	16QAM	50	0	24.33	24.27	24.26	24.20	24.16	25.4
20	16QAM	50	24	24.31	24.29	24.26	24.19	24.18	
20	16QAM	50	50	24.32	24.28	24.24	24.26	24.17	
20	16QAM	100	0	24.32	24.33	24.32	24.25	24.21	
20	64QAM	1	0	24.19	24.35	24.44	24.35	24.05	25.4
20	64QAM	1	49	24.33	24.41	24.22	24.29	24.16	
20	64QAM	1	99	24.30	24.29	24.16	24.39	24.26	
20	64QAM	50	0	23.32	23.30	23.31	23.27	23.44	24.4
20	64QAM	50	24	23.45	23.27	23.29	23.24	23.19	
20	64QAM	50	50	23.29	23.25	23.26	23.26	23.18	
20	64QAM	100	0	23.51	23.31	23.28	23.25	23.20	
20	256QAM	1	0	21.27	21.36	21.74	21.48	21.17	22.4
20	256QAM	1	49	20.91	20.99	21.46	21.19	20.89	
20	256QAM	1	99	20.84	20.93	21.41	21.05	20.74	
20	256QAM	50	0	18.96	19.03	19.43	19.07	18.76	20.4
20	256QAM	50	24	18.81	18.99	19.37	19.09	18.73	
20	256QAM	50	50	18.79	18.87	19.30	18.95	18.70	
20	256QAM	100	0	18.85	18.85	19.33	19.02	18.72	
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	26.20	26.14	26.10	26.29	26.08	27.40
15	QPSK	1	37	26.17	26.10	26.18	26.06	25.99	
15	QPSK	1	74	26.07	25.98	26.12	26.13	26.04	
15	QPSK	36	0	25.34	25.27	25.27	25.25	25.19	26.4
15	QPSK	36	20	25.21	25.09	25.15	25.10	25.16	
15	QPSK	36	39	25.29	25.13	25.20	25.17	25.04	
15	QPSK	75	0	25.26	25.12	25.26	25.28	25.09	
15	16QAM	1	0	25.45	25.57	25.46	25.23	25.35	26.4
15	16QAM	1	37	25.68	25.51	25.19	25.24	25.35	
15	16QAM	1	74	25.53	25.56	25.33	25.33	25.11	
15	16QAM	36	0	24.29	24.08	24.14	24.09	24.08	25.4
15	16QAM	36	20	24.31	24.12	24.25	24.02	24.14	
15	16QAM	36	39	24.13	24.27	24.23	24.09	24.01	
15	16QAM	75	0	24.30	24.23	24.22	24.15	24.07	
15	64QAM	1	0	24.11	24.27	24.44	24.21	23.87	25.4
15	64QAM	1	37	24.17	24.33	24.19	24.15	24.08	
15	64QAM	1	74	24.17	24.25	24.08	24.38	24.19	
15	64QAM	36	0	23.20	23.21	23.21	23.19	23.40	24.4
15	64QAM	36	20	23.31	23.23	23.19	23.14	23.17	
15	64QAM	36	39	23.28	23.10	23.08	23.18	23.16	
15	64QAM	75	0	23.36	23.13	23.24	23.13	23.17	
15	256QAM	1	0	21.11	21.33	21.74	21.40	21.16	22.4
15	256QAM	1	37	20.90	20.99	21.28	20.99	20.69	
15	256QAM	1	74	20.79	20.93	21.23	20.90	20.65	
15	256QAM	36	0	18.83	18.95	19.30	19.00	18.70	20.4
15	256QAM	36	20	18.79	18.89	19.26	19.05	18.66	
15	256QAM	36	39	18.75	18.76	19.21	18.90	18.63	

15	256QAM	75	0	18.67	18.66	19.21	18.85	18.56	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.24	26.26	26.13	26.20	26.17	27.40
10	QPSK	1	25	26.00	26.01	26.06	26.03	25.90	
10	QPSK	1	49	26.02	25.98	26.01	26.13	25.90	
10	QPSK	25	0	25.24	25.26	25.31	25.09	25.13	26.4
10	QPSK	25	12	25.22	25.09	25.06	25.23	25.16	
10	QPSK	25	25	25.22	25.20	25.22	25.23	25.09	
10	QPSK	50	0	25.24	25.09	25.23	25.29	25.13	
10	16QAM	1	0	25.36	25.46	25.42	25.33	25.47	26.4
10	16QAM	1	25	25.63	25.46	25.36	25.33	25.41	
10	16QAM	1	49	25.67	25.55	25.32	25.37	25.06	
10	16QAM	25	0	24.18	24.22	24.12	24.18	24.01	25.4
10	16QAM	25	12	24.14	24.12	24.20	24.18	24.11	
10	16QAM	25	25	24.29	24.13	24.18	24.23	24.13	
10	16QAM	50	0	24.18	24.13	24.26	24.19	24.15	
10	64QAM	1	0	24.02	24.22	24.36	24.19	23.96	25.4
10	64QAM	1	25	24.18	24.37	24.10	24.21	24.15	
10	64QAM	1	49	24.13	24.21	24.13	24.39	24.21	
10	64QAM	25	0	23.21	23.27	23.13	23.14	23.28	24.4
10	64QAM	25	12	23.29	23.12	23.18	23.13	23.05	
10	64QAM	25	25	23.23	23.14	23.20	23.07	23.12	
10	64QAM	50	0	23.32	23.23	23.13	23.14	23.15	
10	256QAM	1	0	21.21	21.23	21.67	21.37	21.16	22.4
10	256QAM	1	25	20.88	20.85	21.45	21.07	20.85	
10	256QAM	1	49	20.82	20.87	21.28	20.91	20.71	
10	256QAM	25	0	18.77	18.88	19.29	18.99	18.62	20.4
10	256QAM	25	12	18.79	18.86	19.30	19.07	18.71	
10	256QAM	25	25	18.70	18.85	19.24	18.76	18.59	
10	256QAM	50	0	18.76	18.81	19.20	19.00	18.62	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.25	26.26	26.12	26.24	26.13	27.40
5	QPSK	1	12	26.02	26.05	26.08	26.00	25.96	
5	QPSK	1	24	26.03	26.05	26.07	26.13	25.88	
5	QPSK	12	0	25.25	25.22	25.17	25.16	25.05	26.4
5	QPSK	12	7	25.22	25.17	25.26	25.14	25.09	
5	QPSK	12	13	25.22	25.09	25.18	25.15	25.20	
5	QPSK	25	0	25.33	25.22	25.08	25.30	25.06	
5	16QAM	1	0	25.32	25.46	25.44	25.35	25.46	26.4
5	16QAM	1	12	25.65	25.55	25.36	25.33	25.39	
5	16QAM	1	24	25.48	25.58	25.32	25.28	25.24	
5	16QAM	12	0	24.30	24.17	24.11	24.13	24.04	25.4
5	16QAM	12	7	24.17	24.15	24.26	24.19	23.99	
5	16QAM	12	13	24.27	24.21	24.10	24.18	24.05	
5	16QAM	25	0	24.25	24.26	24.29	24.23	24.05	
5	64QAM	1	0	24.07	24.29	24.25	24.16	24.03	25.4
5	64QAM	1	12	24.33	24.29	24.21	24.26	23.97	
5	64QAM	1	24	24.12	24.28	24.14	24.25	24.26	
5	64QAM	12	0	23.23	23.18	23.22	23.21	23.33	24.4
5	64QAM	12	7	23.40	23.24	23.21	23.13	23.03	
5	64QAM	12	13	23.23	23.05	23.22	23.12	23.04	
5	64QAM	25	0	23.45	23.26	23.08	23.24	23.17	
5	256QAM	1	0	21.13	21.19	21.56	21.39	20.99	22.4
5	256QAM	1	12	20.76	20.97	21.39	21.00	20.80	
5	256QAM	1	24	20.66	20.76	21.27	20.92	20.72	
5	256QAM	12	0	18.77	19.02	19.27	19.02	18.57	20.4
5	256QAM	12	7	18.63	18.79	19.34	18.91	18.64	
5	256QAM	12	13	18.65	18.83	19.26	18.78	18.69	
5	256QAM	25	0	18.83	18.65	19.24	18.86	18.65	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	21.69	21.66	21.72	21.67	21.65	21.9
20	QPSK	1	49	21.68	21.65	21.65	21.60	21.64	
20	QPSK	1	99	21.64	21.56	21.61	21.67	21.50	
20	QPSK	50	0	21.60	21.54	21.66	21.55	21.65	21.9
20	QPSK	50	24	21.59	21.50	21.51	21.51	21.60	
20	QPSK	50	50	21.50	21.53	21.51	21.60	21.45	
20	QPSK	100	0	21.56	21.51	21.66	21.58	21.53	
20	16QAM	1	0	21.66	21.67	21.65	21.55	21.63	21.9
20	16QAM	1	49	21.54	21.60	21.67	21.66	21.53	
20	16QAM	1	99	21.55	21.53	21.56	21.61	21.57	
20	16QAM	50	0	21.63	21.60	21.59	21.60	21.52	21.9
20	16QAM	50	24	21.56	21.58	21.69	21.55	21.54	
20	16QAM	50	50	21.58	21.63	21.66	21.45	21.60	
20	16QAM	100	0	21.62	21.55	21.64	21.58	21.65	
20	64QAM	1	0	21.53	21.43	21.61	21.48	21.68	21.9
20	64QAM	1	49	21.64	21.60	21.64	21.46	21.64	
20	64QAM	1	99	21.50	21.50	21.67	21.57	21.55	
20	64QAM	50	0	21.50	21.59	21.64	21.57	21.60	21.9
20	64QAM	50	24	21.49	21.62	21.63	21.64	21.44	
20	64QAM	50	50	21.66	21.48	21.71	21.62	21.59	
20	64QAM	100	0	21.47	21.53	21.63	21.43	21.62	
20	256QAM	1	0	21.16	21.13	21.10	21.14	21.13	21.9
20	256QAM	1	49	20.91	20.96	21.17	21.21	21.13	
20	256QAM	1	99	20.78	20.85	21.04	20.99	20.87	
20	256QAM	50	0	18.94	18.89	19.26	19.05	18.78	20.4
20	256QAM	50	24	18.64	18.88	19.37	19.10	18.62	
20	256QAM	50	50	18.70	18.69	19.15	18.84	18.53	
20	256QAM	100	0	18.88	18.72	19.19	18.95	18.59	
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	21.66	21.51	21.72	21.64	21.50	21.90
15	QPSK	1	37	21.59	21.45	21.57	21.49	21.56	
15	QPSK	1	74	21.60	21.44	21.41	21.49	21.31	
15	QPSK	36	0	21.42	21.50	21.59	21.49	21.52	21.9
15	QPSK	36	20	21.42	21.30	21.32	21.48	21.52	
15	QPSK	36	39	21.47	21.50	21.31	21.51	21.45	
15	QPSK	75	0	21.37	21.31	21.61	21.48	21.40	
15	16QAM	1	0	21.49	21.66	21.55	21.36	21.56	21.9
15	16QAM	1	37	21.34	21.46	21.64	21.48	21.41	
15	16QAM	1	74	21.35	21.36	21.49	21.51	21.39	
15	16QAM	36	0	21.54	21.51	21.42	21.40	21.41	21.9
15	16QAM	36	20	21.55	21.44	21.65	21.50	21.53	
15	16QAM	36	39	21.55	21.61	21.47	21.32	21.59	
15	16QAM	75	0	21.47	21.35	21.50	21.56	21.54	
15	64QAM	1	0	21.52	21.26	21.51	21.34	21.49	21.9
15	64QAM	1	37	21.64	21.43	21.54	21.33	21.60	
15	64QAM	1	74	21.47	21.41	21.50	21.38	21.53	
15	64QAM	36	0	21.34	21.53	21.63	21.51	21.48	21.9
15	64QAM	36	20	21.31	21.51	21.45	21.45	21.25	
15	64QAM	36	39	21.66	21.37	21.60	21.61	21.53	
15	64QAM	75	0	21.29	21.38	21.50	21.34	21.42	
15	256QAM	1	0	20.99	21.12	20.97	21.05	20.95	21.9
15	256QAM	1	37	20.85	20.85	21.07	21.15	21.11	
15	256QAM	1	74	20.76	20.80	20.99	20.99	20.86	
15	256QAM	36	0	18.92	18.88	19.10	18.89	18.64	20.4
15	256QAM	36	20	18.53	18.81	19.32	19.01	18.56	
15	256QAM	36	39	18.57	18.59	19.09	18.72	18.43	

15	256QAM	75	0	18.79	18.54	19.08	18.91	18.54	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.59	21.57	21.60	21.62	21.53	21.90
10	QPSK	1	25	21.57	21.62	21.64	21.44	21.48	
10	QPSK	1	49	21.45	21.54	21.42	21.60	21.44	
10	QPSK	25	0	21.43	21.35	21.47	21.36	21.58	21.9
10	QPSK	25	12	21.40	21.30	21.45	21.40	21.50	
10	QPSK	25	25	21.34	21.51	21.44	21.48	21.44	
10	QPSK	50	0	21.56	21.36	21.46	21.56	21.39	
10	16QAM	1	0	21.46	21.66	21.55	21.48	21.54	21.9
10	16QAM	1	25	21.45	21.46	21.52	21.60	21.43	
10	16QAM	1	49	21.50	21.39	21.44	21.61	21.48	
10	16QAM	25	0	21.62	21.42	21.51	21.42	21.46	21.9
10	16QAM	25	12	21.42	21.52	21.64	21.55	21.44	
10	16QAM	25	25	21.39	21.44	21.58	21.25	21.51	
10	16QAM	50	0	21.42	21.45	21.54	21.43	21.52	
10	64QAM	1	0	21.40	21.42	21.49	21.34	21.60	21.9
10	64QAM	1	25	21.59	21.44	21.51	21.44	21.54	
10	64QAM	1	49	21.32	21.42	21.47	21.47	21.46	
10	64QAM	25	0	21.48	21.44	21.53	21.39	21.43	21.9
10	64QAM	25	12	21.34	21.42	21.47	21.53	21.27	
10	64QAM	25	25	21.47	21.33	21.70	21.62	21.52	
10	64QAM	50	0	21.39	21.36	21.63	21.23	21.52	
10	256QAM	1	0	21.15	21.01	21.03	21.03	21.01	21.9
10	256QAM	1	25	20.84	20.85	21.10	21.19	21.00	
10	256QAM	1	49	20.73	20.72	20.97	20.96	20.87	
10	256QAM	25	0	18.88	18.89	19.22	18.88	18.78	20.4
10	256QAM	25	12	18.57	18.74	19.29	18.90	18.61	
10	256QAM	25	25	18.61	18.60	19.01	18.69	18.49	
10	256QAM	50	0	18.83	18.54	19.17	18.88	18.47	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.57	21.49	21.68	21.66	21.48	21.90
5	QPSK	1	12	21.65	21.64	21.58	21.50	21.61	
5	QPSK	1	24	21.64	21.44	21.54	21.57	21.36	
5	QPSK	12	0	21.51	21.43	21.54	21.40	21.63	21.9
5	QPSK	12	7	21.50	21.31	21.45	21.40	21.45	
5	QPSK	12	13	21.38	21.46	21.37	21.45	21.30	
5	QPSK	25	0	21.42	21.50	21.48	21.53	21.48	
5	16QAM	1	0	21.49	21.59	21.48	21.48	21.49	21.9
5	16QAM	1	12	21.35	21.55	21.47	21.48	21.36	
5	16QAM	1	24	21.42	21.38	21.56	21.46	21.39	
5	16QAM	12	0	21.43	21.47	21.55	21.54	21.50	21.9
5	16QAM	12	7	21.38	21.46	21.61	21.41	21.53	
5	16QAM	12	13	21.48	21.55	21.52	21.28	21.49	
5	16QAM	25	0	21.51	21.51	21.56	21.44	21.64	
5	64QAM	1	0	21.43	21.37	21.41	21.43	21.61	21.9
5	64QAM	1	12	21.56	21.55	21.60	21.42	21.51	
5	64QAM	1	24	21.49	21.43	21.51	21.38	21.36	
5	64QAM	12	0	21.36	21.40	21.63	21.50	21.43	21.9
5	64QAM	12	7	21.29	21.62	21.57	21.50	21.30	
5	64QAM	12	13	21.54	21.48	21.63	21.53	21.44	
5	64QAM	25	0	21.41	21.35	21.60	21.43	21.49	
5	256QAM	1	0	21.07	21.13	21.10	21.09	21.09	21.9
5	256QAM	1	12	20.74	20.83	21.03	21.16	20.94	
5	256QAM	1	24	20.58	20.69	21.03	20.97	20.85	
5	256QAM	12	0	18.93	18.74	19.15	19.03	18.78	20.4
5	256QAM	12	7	18.55	18.86	19.33	19.03	18.46	
5	256QAM	12	13	18.64	18.60	19.09	18.78	18.43	
5	256QAM	25	0	18.69	18.52	19.09	18.83	18.54	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	22.72	22.71	22.78	22.67	22.54	23.6
20	QPSK	1	49	22.69	22.59	22.65	22.66	22.48	
20	QPSK	1	99	22.71	22.63	22.68	22.57	22.34	
20	QPSK	50	0	22.62	22.60	22.66	22.53	22.54	23.6
20	QPSK	50	24	22.61	22.56	22.61	22.59	22.42	
20	QPSK	50	50	22.60	22.58	22.59	22.56	22.34	
20	QPSK	100	0	22.58	22.60	22.68	22.66	22.38	
20	16QAM	1	0	22.71	22.69	22.67	22.62	22.46	23.6
20	16QAM	1	49	22.56	22.62	22.72	22.67	22.43	
20	16QAM	1	99	22.65	22.54	22.59	22.67	22.40	
20	16QAM	50	0	22.70	22.66	22.68	22.60	22.37	23.6
20	16QAM	50	24	22.64	22.59	22.71	22.63	22.40	
20	16QAM	50	50	22.61	22.69	22.73	22.51	22.48	
20	16QAM	100	0	22.65	22.55	22.68	22.67	22.54	
20	64QAM	1	0	22.53	22.53	22.65	22.58	22.53	23.6
20	64QAM	1	49	22.71	22.66	22.67	22.49	22.54	
20	64QAM	1	99	22.54	22.60	22.68	22.63	22.40	
20	64QAM	50	0	22.57	22.63	22.70	22.63	22.45	23.6
20	64QAM	50	24	22.58	22.68	22.77	22.64	22.34	
20	64QAM	50	50	22.69	22.54	22.77	22.66	22.48	
20	64QAM	100	0	22.54	22.56	22.73	22.52	22.44	
20	256QAM	1	0	21.35	21.38	21.82	21.57	21.27	22.4
20	256QAM	1	49	20.93	21.05	21.47	21.23	20.99	
20	256QAM	1	99	20.84	20.93	21.43	21.04	20.69	
20	256QAM	50	0	19.02	18.96	19.33	19.06	18.81	20.4
20	256QAM	50	24	18.74	18.90	19.38	19.11	18.63	
20	256QAM	50	50	18.79	18.79	19.20	18.87	18.60	
20	256QAM	100	0	18.89	18.82	19.25	19.01	18.65	
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	22.68	22.67	22.69	22.53	22.44	23.60
15	QPSK	1	37	22.56	22.50	22.53	22.53	22.31	
15	QPSK	1	74	22.66	22.46	22.68	22.45	22.18	
15	QPSK	36	0	22.58	22.58	22.50	22.41	22.35	23.6
15	QPSK	36	20	22.41	22.36	22.57	22.46	22.41	
15	QPSK	36	39	22.47	22.41	22.53	22.55	22.22	
15	QPSK	75	0	22.55	22.47	22.50	22.51	22.27	
15	16QAM	1	0	22.52	22.60	22.57	22.54	22.35	23.6
15	16QAM	1	37	22.51	22.52	22.69	22.61	22.31	
15	16QAM	1	74	22.65	22.52	22.45	22.65	22.34	
15	16QAM	36	0	22.59	22.46	22.65	22.48	22.24	23.6
15	16QAM	36	20	22.49	22.46	22.52	22.51	22.40	
15	16QAM	36	39	22.59	22.69	22.65	22.38	22.33	
15	16QAM	75	0	22.59	22.43	22.56	22.54	22.52	
15	64QAM	1	0	22.43	22.41	22.47	22.43	22.47	23.6
15	64QAM	1	37	22.56	22.53	22.53	22.35	22.41	
15	64QAM	1	74	22.40	22.49	22.54	22.45	22.23	
15	64QAM	36	0	22.48	22.57	22.63	22.61	22.30	23.6
15	64QAM	36	20	22.44	22.57	22.66	22.57	22.26	
15	64QAM	36	39	22.58	22.49	22.68	22.53	22.29	
15	64QAM	75	0	22.37	22.56	22.59	22.47	22.33	
15	256QAM	1	0	21.32	21.36	21.68	21.42	21.17	22.4
15	256QAM	1	37	20.86	20.96	21.40	21.13	20.89	
15	256QAM	1	74	20.73	20.80	21.27	21.01	20.53	
15	256QAM	36	0	18.93	18.90	19.20	18.87	18.67	20.4
15	256QAM	36	20	18.66	18.75	19.37	18.99	18.51	
15	256QAM	36	39	18.62	18.73	19.19	18.68	18.60	

15	256QAM	75	0	18.70	18.73	19.15	18.97	18.55	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.54	22.55	22.77	22.61	22.43	23.60
10	QPSK	1	25	22.55	22.46	22.64	22.63	22.30	
10	QPSK	1	49	22.53	22.46	22.61	22.46	22.32	
10	QPSK	25	0	22.56	22.40	22.48	22.40	22.48	23.6
10	QPSK	25	12	22.41	22.53	22.57	22.45	22.41	
10	QPSK	25	25	22.55	22.43	22.50	22.54	22.17	
10	QPSK	50	0	22.42	22.51	22.52	22.63	22.29	
10	16QAM	1	0	22.54	22.59	22.62	22.46	22.40	23.6
10	16QAM	1	25	22.36	22.42	22.67	22.55	22.24	
10	16QAM	1	49	22.63	22.54	22.53	22.47	22.21	
10	16QAM	25	0	22.54	22.56	22.58	22.52	22.35	23.6
10	16QAM	25	12	22.53	22.57	22.60	22.43	22.24	
10	16QAM	25	25	22.53	22.57	22.53	22.40	22.38	
10	16QAM	50	0	22.45	22.51	22.63	22.51	22.54	
10	64QAM	1	0	22.38	22.46	22.56	22.40	22.36	23.6
10	64QAM	1	25	22.56	22.65	22.49	22.46	22.44	
10	64QAM	1	49	22.53	22.40	22.61	22.52	22.29	
10	64QAM	25	0	22.46	22.43	22.62	22.51	22.36	23.6
10	64QAM	25	12	22.42	22.55	22.74	22.56	22.32	
10	64QAM	25	25	22.53	22.44	22.71	22.60	22.39	
10	64QAM	50	0	22.52	22.46	22.57	22.39	22.25	
10	256QAM	1	0	21.18	21.37	21.65	21.52	21.19	22.4
10	256QAM	1	25	20.82	20.91	21.32	21.21	20.86	
10	256QAM	1	49	20.82	20.76	21.31	20.95	20.59	
10	256QAM	25	0	18.84	18.80	19.16	18.99	18.70	20.4
10	256QAM	25	12	18.72	18.70	19.36	18.91	18.62	
10	256QAM	25	25	18.79	18.76	19.14	18.72	18.45	
10	256QAM	50	0	18.83	18.80	19.11	18.94	18.62	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.64	22.64	22.75	22.58	22.38	23.60
5	QPSK	1	12	22.57	22.51	22.47	22.50	22.37	
5	QPSK	1	24	22.56	22.56	22.57	22.38	22.15	
5	QPSK	12	0	22.42	22.60	22.48	22.48	22.53	23.6
5	QPSK	12	7	22.44	22.38	22.55	22.51	22.32	
5	QPSK	12	13	22.44	22.48	22.55	22.38	22.18	
5	QPSK	25	0	22.45	22.53	22.48	22.56	22.34	
5	16QAM	1	0	22.52	22.56	22.47	22.44	22.39	23.6
5	16QAM	1	12	22.52	22.54	22.69	22.66	22.34	
5	16QAM	1	24	22.63	22.49	22.39	22.64	22.29	
5	16QAM	12	0	22.63	22.66	22.52	22.47	22.23	23.6
5	16QAM	12	7	22.48	22.47	22.69	22.44	22.32	
5	16QAM	12	13	22.47	22.68	22.70	22.33	22.45	
5	16QAM	25	0	22.58	22.48	22.50	22.51	22.40	
5	64QAM	1	0	22.38	22.44	22.49	22.56	22.48	23.6
5	64QAM	1	12	22.53	22.52	22.65	22.42	22.34	
5	64QAM	1	24	22.44	22.40	22.61	22.53	22.38	
5	64QAM	12	0	22.39	22.54	22.50	22.55	22.33	23.6
5	64QAM	12	7	22.40	22.57	22.71	22.64	22.17	
5	64QAM	12	13	22.61	22.37	22.74	22.66	22.29	
5	64QAM	25	0	22.53	22.43	22.69	22.41	22.29	
5	256QAM	1	0	21.27	21.38	21.77	21.47	21.23	22.4
5	256QAM	1	12	20.91	20.95	21.36	21.05	20.97	
5	256QAM	1	24	20.81	20.82	21.36	20.89	20.69	
5	256QAM	12	0	18.96	18.83	19.28	19.05	18.79	20.4
5	256QAM	12	7	18.69	18.73	19.33	18.91	18.63	
5	256QAM	12	13	18.64	18.59	19.05	18.83	18.55	
5	256QAM	25	0	18.82	18.72	19.06	18.90	18.45	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	22.72	22.71	22.78	22.67	22.54	22.8
20	QPSK	1	49	22.69	22.59	22.65	22.66	22.48	
20	QPSK	1	99	22.71	22.63	22.68	22.57	22.34	
20	QPSK	50	0	22.62	22.60	22.66	22.53	22.54	22.8
20	QPSK	50	24	22.61	22.56	22.61	22.59	22.42	
20	QPSK	50	50	22.60	22.58	22.59	22.56	22.34	
20	QPSK	100	0	22.58	22.60	22.68	22.66	22.38	
20	16QAM	1	0	22.71	22.69	22.67	22.62	22.46	22.8
20	16QAM	1	49	22.56	22.62	22.72	22.67	22.43	
20	16QAM	1	99	22.65	22.54	22.59	22.67	22.40	
20	16QAM	50	0	22.70	22.66	22.68	22.60	22.37	22.8
20	16QAM	50	24	22.64	22.59	22.71	22.63	22.40	
20	16QAM	50	50	22.61	22.69	22.73	22.51	22.48	
20	16QAM	100	0	22.65	22.55	22.68	22.67	22.54	
20	64QAM	1	0	22.53	22.53	22.65	22.58	22.53	22.8
20	64QAM	1	49	22.71	22.66	22.67	22.49	22.54	
20	64QAM	1	99	22.54	22.60	22.68	22.63	22.40	
20	64QAM	50	0	22.57	22.63	22.70	22.63	22.45	22.8
20	64QAM	50	24	22.58	22.68	22.77	22.64	22.34	
20	64QAM	50	50	22.69	22.54	22.77	22.66	22.48	
20	64QAM	100	0	22.54	22.56	22.73	22.52	22.44	
20	256QAM	1	0	21.35	21.38	21.82	21.57	21.27	22.4
20	256QAM	1	49	20.93	21.05	21.47	21.23	20.99	
20	256QAM	1	99	20.84	20.93	21.43	21.04	20.69	
20	256QAM	50	0	19.02	18.96	19.33	19.06	18.81	20.4
20	256QAM	50	24	18.74	18.90	19.38	19.11	18.63	
20	256QAM	50	50	18.79	18.79	19.20	18.87	18.60	
20	256QAM	100	0	18.89	18.82	19.25	19.01	18.65	
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	22.68	22.67	22.69	22.53	22.44	22.80
15	QPSK	1	37	22.56	22.50	22.53	22.53	22.31	
15	QPSK	1	74	22.66	22.46	22.68	22.45	22.18	
15	QPSK	36	0	22.58	22.58	22.50	22.41	22.35	22.8
15	QPSK	36	20	22.41	22.36	22.57	22.46	22.41	
15	QPSK	36	39	22.47	22.41	22.53	22.55	22.22	
15	QPSK	75	0	22.55	22.47	22.50	22.51	22.27	
15	16QAM	1	0	22.52	22.60	22.57	22.54	22.35	22.8
15	16QAM	1	37	22.51	22.52	22.69	22.61	22.31	
15	16QAM	1	74	22.65	22.52	22.45	22.65	22.34	
15	16QAM	36	0	22.59	22.46	22.65	22.48	22.24	22.8
15	16QAM	36	20	22.49	22.46	22.52	22.51	22.40	
15	16QAM	36	39	22.59	22.69	22.65	22.38	22.33	
15	16QAM	75	0	22.59	22.43	22.56	22.54	22.52	
15	64QAM	1	0	22.43	22.41	22.47	22.43	22.47	22.8
15	64QAM	1	37	22.56	22.53	22.53	22.35	22.41	
15	64QAM	1	74	22.40	22.49	22.54	22.45	22.23	
15	64QAM	36	0	22.48	22.57	22.63	22.61	22.30	22.8
15	64QAM	36	20	22.44	22.57	22.66	22.57	22.26	
15	64QAM	36	39	22.58	22.49	22.68	22.53	22.29	
15	64QAM	75	0	22.37	22.56	22.59	22.47	22.33	
15	256QAM	1	0	21.32	21.36	21.68	21.42	21.17	22.4
15	256QAM	1	37	20.86	20.96	21.40	21.13	20.89	
15	256QAM	1	74	20.73	20.80	21.27	21.01	20.53	
15	256QAM	36	0	18.93	18.90	19.20	18.87	18.67	20.4
15	256QAM	36	20	18.66	18.75	19.37	18.99	18.51	
15	256QAM	36	39	18.62	18.73	19.19	18.68	18.60	

15	256QAM	75	0	18.70	18.73	19.15	18.97	18.55	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.54	22.55	22.77	22.61	22.43	22.80
10	QPSK	1	25	22.55	22.46	22.64	22.63	22.30	
10	QPSK	1	49	22.53	22.46	22.61	22.46	22.32	
10	QPSK	25	0	22.56	22.40	22.48	22.40	22.48	22.8
10	QPSK	25	12	22.41	22.53	22.57	22.45	22.41	
10	QPSK	25	25	22.55	22.43	22.50	22.54	22.17	
10	QPSK	50	0	22.42	22.51	22.52	22.63	22.29	
10	16QAM	1	0	22.54	22.59	22.62	22.46	22.40	22.8
10	16QAM	1	25	22.36	22.42	22.67	22.55	22.24	
10	16QAM	1	49	22.63	22.54	22.53	22.47	22.21	
10	16QAM	25	0	22.54	22.56	22.58	22.52	22.35	22.8
10	16QAM	25	12	22.53	22.57	22.60	22.43	22.24	
10	16QAM	25	25	22.53	22.57	22.53	22.40	22.38	
10	16QAM	50	0	22.45	22.51	22.63	22.51	22.54	
10	64QAM	1	0	22.38	22.46	22.56	22.40	22.36	22.8
10	64QAM	1	25	22.56	22.65	22.49	22.46	22.44	
10	64QAM	1	49	22.53	22.40	22.61	22.52	22.29	
10	64QAM	25	0	22.46	22.43	22.62	22.51	22.36	22.8
10	64QAM	25	12	22.42	22.55	22.74	22.56	22.32	
10	64QAM	25	25	22.53	22.44	22.71	22.60	22.39	
10	64QAM	50	0	22.52	22.46	22.57	22.39	22.25	
10	256QAM	1	0	21.18	21.37	21.65	21.52	21.19	22.4
10	256QAM	1	25	20.82	20.91	21.32	21.21	20.86	
10	256QAM	1	49	20.82	20.76	21.31	20.95	20.59	
10	256QAM	25	0	18.84	18.80	19.16	18.99	18.70	20.4
10	256QAM	25	12	18.72	18.70	19.36	18.91	18.62	
10	256QAM	25	25	18.79	18.76	19.14	18.72	18.45	
10	256QAM	50	0	18.83	18.80	19.11	18.94	18.62	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.64	22.64	22.75	22.58	22.38	22.80
5	QPSK	1	12	22.57	22.51	22.47	22.50	22.37	
5	QPSK	1	24	22.56	22.56	22.57	22.38	22.15	
5	QPSK	12	0	22.42	22.60	22.48	22.48	22.53	22.8
5	QPSK	12	7	22.44	22.38	22.55	22.51	22.32	
5	QPSK	12	13	22.44	22.48	22.55	22.38	22.18	
5	QPSK	25	0	22.45	22.53	22.48	22.56	22.34	
5	16QAM	1	0	22.52	22.56	22.47	22.44	22.39	22.8
5	16QAM	1	12	22.52	22.54	22.69	22.66	22.34	
5	16QAM	1	24	22.63	22.49	22.39	22.64	22.29	
5	16QAM	12	0	22.63	22.66	22.52	22.47	22.23	22.8
5	16QAM	12	7	22.48	22.47	22.69	22.44	22.32	
5	16QAM	12	13	22.47	22.68	22.70	22.33	22.45	
5	16QAM	25	0	22.58	22.48	22.50	22.51	22.40	
5	64QAM	1	0	22.38	22.44	22.49	22.56	22.48	22.8
5	64QAM	1	12	22.53	22.52	22.65	22.42	22.34	
5	64QAM	1	24	22.44	22.40	22.61	22.53	22.38	
5	64QAM	12	0	22.39	22.54	22.50	22.55	22.33	22.8
5	64QAM	12	7	22.40	22.57	22.71	22.64	22.17	
5	64QAM	12	13	22.61	22.37	22.74	22.66	22.29	
5	64QAM	25	0	22.53	22.43	22.69	22.41	22.29	
5	256QAM	1	0	21.27	21.38	21.77	21.47	21.23	22.4
5	256QAM	1	12	20.91	20.95	21.36	21.05	20.97	
5	256QAM	1	24	20.81	20.82	21.36	20.89	20.69	
5	256QAM	12	0	18.96	18.83	19.28	19.05	18.79	20.4
5	256QAM	12	7	18.69	18.73	19.33	18.91	18.63	
5	256QAM	12	13	18.64	18.59	19.05	18.83	18.55	
5	256QAM	25	0	18.82	18.72	19.06	18.90	18.45	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.09	24.02	24.05	24.07	24.06	25.4
20	QPSK	1	49	24.04	23.93	24.02	24.05	24.00	
20	QPSK	1	99	24.05	23.94	24.03	24.05	24.03	
20	QPSK	50	0	23.10	22.96	23.07	23.07	23.05	24.4
20	QPSK	50	24	23.09	22.94	23.05	23.04	23.03	
20	QPSK	50	50	23.09	22.95	23.01	23.06	23.01	
20	QPSK	100	0	23.10	22.98	23.01	23.08	23.06	
20	16QAM	1	0	23.14	23.06	23.12	23.06	23.11	24.4
20	16QAM	1	49	23.06	22.98	23.02	23.09	23.11	
20	16QAM	1	99	23.07	23.09	23.05	23.18	23.14	
20	16QAM	50	0	22.08	21.98	22.05	22.04	22.03	23.4
20	16QAM	50	24	22.05	22.02	22.06	22.02	22.05	
20	16QAM	50	50	22.05	22.02	22.04	22.02	22.04	
20	16QAM	100	0	22.08	22.01	22.07	22.06	22.06	
20	64QAM	1	0	21.71	21.73	21.70	21.69	21.61	23.4
20	64QAM	1	49	21.70	21.71	21.53	21.64	21.48	
20	64QAM	1	99	21.68	21.73	21.58	21.71	21.57	
20	64QAM	50	0	21.08	21.00	21.07	21.06	21.09	22.4
20	64QAM	50	24	21.09	20.99	21.08	21.05	21.10	
20	64QAM	50	50	21.09	21.01	21.04	21.06	21.10	
20	64QAM	100	0	21.10	21.03	21.07	21.08	21.06	
20	256QAM	1	0	19.09	19.06	19.14	19.03	19.04	20.4
20	256QAM	1	49	18.87	18.78	18.95	18.77	18.75	
20	256QAM	1	99	18.81	18.80	18.92	18.71	18.82	
20	256QAM	50	0	17.11	17.06	17.18	17.04	17.05	18.4
20	256QAM	50	24	16.99	16.99	17.13	16.97	16.98	
20	256QAM	50	50	16.94	16.96	17.06	16.87	16.91	
20	256QAM	100	0	16.98	16.94	17.05	16.89	16.93	
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	24.05	23.86	24.02	24.02	24.01	25.40
15	QPSK	1	37	23.93	23.77	23.98	23.94	23.85	
15	QPSK	1	74	23.98	23.88	23.93	23.89	23.86	
15	QPSK	36	0	22.94	22.82	22.95	22.95	22.85	24.4
15	QPSK	36	20	22.91	22.84	22.97	22.99	22.97	
15	QPSK	36	39	22.98	22.83	22.85	23.01	22.83	
15	QPSK	75	0	23.07	22.84	22.95	23.02	22.96	
15	16QAM	1	0	22.97	22.95	23.03	22.88	22.91	24.4
15	16QAM	1	37	22.94	22.85	22.88	22.97	22.96	
15	16QAM	1	74	22.96	22.90	23.05	23.05	22.98	
15	16QAM	36	0	21.93	21.89	21.87	21.99	21.98	23.4
15	16QAM	36	20	21.96	21.84	21.91	22.01	21.93	
15	16QAM	36	39	21.99	21.95	21.95	22.00	22.02	
15	16QAM	75	0	22.05	21.95	21.97	21.89	21.96	
15	64QAM	1	0	21.60	21.72	21.61	21.65	21.58	23.4
15	64QAM	1	37	21.53	21.63	21.49	21.60	21.42	
15	64QAM	1	74	21.53	21.58	21.47	21.69	21.52	
15	64QAM	36	0	20.89	20.94	21.06	20.90	21.00	22.4
15	64QAM	36	20	20.91	20.80	20.91	21.00	21.02	
15	64QAM	36	39	21.05	20.99	21.04	20.89	20.97	
15	64QAM	75	0	21.01	21.01	20.92	21.05	20.94	
15	256QAM	1	0	18.96	18.98	19.01	18.92	18.86	20.4
15	256QAM	1	37	18.87	18.71	18.88	18.63	18.64	
15	256QAM	1	74	18.78	18.66	18.73	18.71	18.72	
15	256QAM	36	0	17.05	17.03	17.09	16.92	16.90	18.4
15	256QAM	36	20	16.85	16.94	16.96	16.95	16.90	
15	256QAM	36	39	16.92	16.80	16.90	16.81	16.91	

15	256QAM	75	0	16.82	16.93	16.98	16.87	16.91	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.95	23.85	24.05	24.01	23.97	25.40
10	QPSK	1	25	23.96	23.84	24.01	24.05	23.94	
10	QPSK	1	49	24.02	23.85	23.83	23.86	23.95	
10	QPSK	25	0	23.00	22.79	23.02	23.02	22.88	24.4
10	QPSK	25	12	23.09	22.93	22.95	22.90	22.92	
10	QPSK	25	25	23.02	22.85	23.00	22.98	22.83	
10	QPSK	50	0	23.04	22.94	22.83	22.94	22.93	
10	16QAM	1	0	22.98	22.99	22.95	22.96	22.93	24.4
10	16QAM	1	25	22.93	22.92	22.88	22.97	23.08	
10	16QAM	1	49	23.02	22.98	22.91	23.12	22.98	
10	16QAM	25	0	21.91	21.78	21.85	22.04	22.00	23.4
10	16QAM	25	12	22.00	22.02	21.97	21.82	22.00	
10	16QAM	25	25	21.87	21.94	22.04	22.02	21.97	
10	16QAM	50	0	21.94	21.89	21.92	22.02	22.01	
10	64QAM	1	0	21.57	21.66	21.67	21.63	21.56	23.4
10	64QAM	1	25	21.51	21.60	21.42	21.45	21.42	
10	64QAM	1	49	21.66	21.67	21.45	21.70	21.42	
10	64QAM	25	0	21.07	20.81	20.98	21.01	21.09	22.4
10	64QAM	25	12	20.97	20.79	21.03	20.90	21.08	
10	64QAM	25	25	21.00	20.93	20.98	20.91	20.90	
10	64QAM	50	0	21.06	20.97	21.05	20.88	21.03	
10	256QAM	1	0	18.92	18.95	19.08	18.83	18.97	20.4
10	256QAM	1	25	18.86	18.72	18.89	18.70	18.64	
10	256QAM	1	49	18.71	18.77	18.91	18.71	18.62	
10	256QAM	25	0	16.99	16.97	17.06	17.04	16.92	18.4
10	256QAM	25	12	16.79	16.80	17.07	16.86	16.83	
10	256QAM	25	25	16.88	16.94	16.87	16.75	16.86	
10	256QAM	50	0	16.87	16.80	17.04	16.69	16.90	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.01	24.02	24.02	23.99	24.05	25.40
5	QPSK	1	12	23.84	23.87	23.91	23.90	23.93	
5	QPSK	1	24	23.86	23.84	23.99	23.90	23.86	
5	QPSK	12	0	22.91	22.87	22.92	23.04	22.96	24.4
5	QPSK	12	7	23.04	22.89	22.87	22.91	22.85	
5	QPSK	12	13	22.97	22.94	22.91	22.96	22.95	
5	QPSK	25	0	22.92	22.78	22.84	22.95	23.03	
5	16QAM	1	0	22.96	22.90	22.98	22.95	22.98	24.4
5	16QAM	1	12	22.94	22.81	23.00	22.92	23.09	
5	16QAM	1	24	23.06	23.05	22.91	23.03	23.08	
5	16QAM	12	0	21.88	21.89	22.03	21.93	22.01	23.4
5	16QAM	12	7	22.05	21.82	22.06	21.87	21.97	
5	16QAM	12	13	22.04	21.86	21.98	21.90	21.86	
5	16QAM	25	0	21.93	22.01	21.98	22.00	21.98	
5	64QAM	1	0	21.70	21.60	21.55	21.65	21.47	23.4
5	64QAM	1	12	21.51	21.57	21.45	21.62	21.42	
5	64QAM	1	24	21.56	21.70	21.41	21.54	21.55	
5	64QAM	12	0	21.07	20.90	21.00	20.88	20.98	22.4
5	64QAM	12	7	21.05	20.87	20.91	20.90	21.06	
5	64QAM	12	13	20.91	20.99	20.93	20.93	21.03	
5	64QAM	25	0	21.02	20.86	20.98	21.04	21.02	
5	256QAM	1	0	19.05	18.88	18.97	19.03	18.90	20.4
5	256QAM	1	12	18.78	18.76	18.83	18.59	18.74	
5	256QAM	1	24	18.63	18.73	18.85	18.59	18.79	
5	256QAM	12	0	17.00	16.99	17.02	16.88	17.05	18.4
5	256QAM	12	7	16.84	16.81	17.04	16.97	16.91	
5	256QAM	12	13	16.92	16.79	16.90	16.71	16.72	
5	256QAM	25	0	16.97	16.91	16.95	16.69	16.85	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.09	24.02	24.05	24.07	24.06	25.4
20	QPSK	1	49	24.04	23.93	24.02	24.05	24.00	
20	QPSK	1	99	24.05	23.94	24.03	24.05	24.03	
20	QPSK	50	0	23.10	22.96	23.07	23.07	23.05	24.4
20	QPSK	50	24	23.09	22.94	23.05	23.04	23.03	
20	QPSK	50	50	23.09	22.95	23.01	23.06	23.01	
20	QPSK	100	0	23.10	22.98	23.01	23.08	23.06	
20	16QAM	1	0	23.14	23.06	23.12	23.06	23.11	24.4
20	16QAM	1	49	23.06	22.98	23.02	23.09	23.11	
20	16QAM	1	99	23.07	23.09	23.05	23.18	23.14	
20	16QAM	50	0	22.08	21.98	22.05	22.04	22.03	23.4
20	16QAM	50	24	22.05	22.02	22.06	22.02	22.05	
20	16QAM	50	50	22.05	22.02	22.04	22.02	22.04	
20	16QAM	100	0	22.08	22.01	22.07	22.06	22.06	
20	64QAM	1	0	21.71	21.73	21.70	21.69	21.61	23.4
20	64QAM	1	49	21.70	21.71	21.53	21.64	21.48	
20	64QAM	1	99	21.68	21.73	21.58	21.71	21.57	
20	64QAM	50	0	21.08	21.00	21.07	21.06	21.09	22.4
20	64QAM	50	24	21.09	20.99	21.08	21.05	21.10	
20	64QAM	50	50	21.09	21.01	21.04	21.06	21.10	
20	64QAM	100	0	21.10	21.03	21.07	21.08	21.06	
20	256QAM	1	0	19.09	19.06	19.14	19.03	19.04	20.4
20	256QAM	1	49	18.87	18.78	18.95	18.77	18.75	
20	256QAM	1	99	18.81	18.80	18.92	18.71	18.82	
20	256QAM	50	0	17.11	17.06	17.18	17.04	17.05	18.4
20	256QAM	50	24	16.99	16.99	17.13	16.97	16.98	
20	256QAM	50	50	16.94	16.96	17.06	16.87	16.91	
20	256QAM	100	0	16.98	16.94	17.05	16.89	16.93	
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	24.05	23.86	24.02	24.02	24.01	25.40
15	QPSK	1	37	23.93	23.77	23.98	23.94	23.85	
15	QPSK	1	74	23.98	23.88	23.93	23.89	23.86	
15	QPSK	36	0	22.94	22.82	22.95	22.95	22.85	24.4
15	QPSK	36	20	22.91	22.84	22.97	22.99	22.97	
15	QPSK	36	39	22.98	22.83	22.85	23.01	22.83	
15	QPSK	75	0	23.07	22.84	22.95	23.02	22.96	
15	16QAM	1	0	22.97	22.95	23.03	22.88	22.91	24.4
15	16QAM	1	37	22.94	22.85	22.88	22.97	22.96	
15	16QAM	1	74	22.96	22.90	23.05	23.05	22.98	
15	16QAM	36	0	21.93	21.89	21.87	21.99	21.98	23.4
15	16QAM	36	20	21.96	21.84	21.91	22.01	21.93	
15	16QAM	36	39	21.99	21.95	21.95	22.00	22.02	
15	16QAM	75	0	22.05	21.95	21.97	21.89	21.96	
15	64QAM	1	0	21.60	21.72	21.61	21.65	21.58	23.4
15	64QAM	1	37	21.53	21.63	21.49	21.60	21.42	
15	64QAM	1	74	21.53	21.58	21.47	21.69	21.52	
15	64QAM	36	0	20.89	20.94	21.06	20.90	21.00	22.4
15	64QAM	36	20	20.91	20.80	20.91	21.00	21.02	
15	64QAM	36	39	21.05	20.99	21.04	20.89	20.97	
15	64QAM	75	0	21.01	21.01	20.92	21.05	20.94	
15	256QAM	1	0	18.96	18.98	19.01	18.92	18.86	20.4
15	256QAM	1	37	18.87	18.71	18.88	18.63	18.64	
15	256QAM	1	74	18.78	18.66	18.73	18.71	18.72	
15	256QAM	36	0	17.05	17.03	17.09	16.92	16.90	18.4
15	256QAM	36	20	16.85	16.94	16.96	16.95	16.90	
15	256QAM	36	39	16.92	16.80	16.90	16.81	16.91	

15	256QAM	75	0	16.82	16.93	16.98	16.87	16.91	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.95	23.85	24.05	24.01	23.97	25.40
10	QPSK	1	25	23.96	23.84	24.01	24.05	23.94	
10	QPSK	1	49	24.02	23.85	23.83	23.86	23.95	
10	QPSK	25	0	23.00	22.79	23.02	23.02	22.88	24.4
10	QPSK	25	12	23.09	22.93	22.95	22.90	22.92	
10	QPSK	25	25	23.02	22.85	23.00	22.98	22.83	
10	QPSK	50	0	23.04	22.94	22.83	22.94	22.93	
10	16QAM	1	0	22.98	22.99	22.95	22.96	22.93	24.4
10	16QAM	1	25	22.93	22.92	22.88	22.97	23.08	
10	16QAM	1	49	23.02	22.98	22.91	23.12	22.98	
10	16QAM	25	0	21.91	21.78	21.85	22.04	22.00	23.4
10	16QAM	25	12	22.00	22.02	21.97	21.82	22.00	
10	16QAM	25	25	21.87	21.94	22.04	22.02	21.97	
10	16QAM	50	0	21.94	21.89	21.92	22.02	22.01	
10	64QAM	1	0	21.57	21.66	21.67	21.63	21.56	23.4
10	64QAM	1	25	21.51	21.60	21.42	21.45	21.42	
10	64QAM	1	49	21.66	21.67	21.45	21.70	21.42	
10	64QAM	25	0	21.07	20.81	20.98	21.01	21.09	22.4
10	64QAM	25	12	20.97	20.79	21.03	20.90	21.08	
10	64QAM	25	25	21.00	20.93	20.98	20.91	20.90	
10	64QAM	50	0	21.06	20.97	21.05	20.88	21.03	
10	256QAM	1	0	18.92	18.95	19.08	18.83	18.97	20.4
10	256QAM	1	25	18.86	18.72	18.89	18.70	18.64	
10	256QAM	1	49	18.71	18.77	18.91	18.71	18.62	
10	256QAM	25	0	16.99	16.97	17.06	17.04	16.92	18.4
10	256QAM	25	12	16.79	16.80	17.07	16.86	16.83	
10	256QAM	25	25	16.88	16.94	16.87	16.75	16.86	
10	256QAM	50	0	16.87	16.80	17.04	16.69	16.90	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.01	24.02	24.02	23.99	24.05	25.40
5	QPSK	1	12	23.84	23.87	23.91	23.90	23.93	
5	QPSK	1	24	23.86	23.84	23.99	23.90	23.86	
5	QPSK	12	0	22.91	22.87	22.92	23.04	22.96	24.4
5	QPSK	12	7	23.04	22.89	22.87	22.91	22.85	
5	QPSK	12	13	22.97	22.94	22.91	22.96	22.95	
5	QPSK	25	0	22.92	22.78	22.84	22.95	23.03	
5	16QAM	1	0	22.96	22.90	22.98	22.95	22.98	24.4
5	16QAM	1	12	22.94	22.81	23.00	22.92	23.09	
5	16QAM	1	24	23.06	23.05	22.91	23.03	23.08	
5	16QAM	12	0	21.88	21.89	22.03	21.93	22.01	23.4
5	16QAM	12	7	22.05	21.82	22.06	21.87	21.97	
5	16QAM	12	13	22.04	21.86	21.98	21.90	21.86	
5	16QAM	25	0	21.93	22.01	21.98	22.00	21.98	
5	64QAM	1	0	21.70	21.60	21.55	21.65	21.47	23.4
5	64QAM	1	12	21.51	21.57	21.45	21.62	21.42	
5	64QAM	1	24	21.56	21.70	21.41	21.54	21.55	
5	64QAM	12	0	21.07	20.90	21.00	20.88	20.98	22.4
5	64QAM	12	7	21.05	20.87	20.91	20.90	21.06	
5	64QAM	12	13	20.91	20.99	20.93	20.93	21.03	
5	64QAM	25	0	21.02	20.86	20.98	21.04	21.02	
5	256QAM	1	0	19.05	18.88	18.97	19.03	18.90	20.4
5	256QAM	1	12	18.78	18.76	18.83	18.59	18.74	
5	256QAM	1	24	18.63	18.73	18.85	18.59	18.79	
5	256QAM	12	0	17.00	16.99	17.02	16.88	17.05	18.4
5	256QAM	12	7	16.84	16.81	17.04	16.97	16.91	
5	256QAM	12	13	16.92	16.79	16.90	16.71	16.72	
5	256QAM	25	0	16.97	16.91	16.95	16.69	16.85	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.09	24.02	24.05	24.07	24.06	24.5
20	QPSK	1	49	24.04	23.93	24.02	24.05	24.00	
20	QPSK	1	99	24.05	23.94	24.03	24.05	24.03	
20	QPSK	50	0	23.10	22.96	23.07	23.07	23.05	24.4
20	QPSK	50	24	23.09	22.94	23.05	23.04	23.03	
20	QPSK	50	50	23.09	22.95	23.01	23.06	23.01	
20	QPSK	100	0	23.10	22.98	23.01	23.08	23.06	
20	16QAM	1	0	23.14	23.06	23.12	23.06	23.11	24.4
20	16QAM	1	49	23.06	22.98	23.02	23.09	23.11	
20	16QAM	1	99	23.07	23.09	23.05	23.18	23.14	
20	16QAM	50	0	22.08	21.98	22.05	22.04	22.03	23.4
20	16QAM	50	24	22.05	22.02	22.06	22.02	22.05	
20	16QAM	50	50	22.05	22.02	22.04	22.02	22.04	
20	16QAM	100	0	22.08	22.01	22.07	22.06	22.06	
20	64QAM	1	0	21.71	21.73	21.70	21.69	21.61	23.4
20	64QAM	1	49	21.70	21.71	21.53	21.64	21.48	
20	64QAM	1	99	21.68	21.73	21.58	21.71	21.57	
20	64QAM	50	0	21.08	21.00	21.07	21.06	21.09	22.4
20	64QAM	50	24	21.09	20.99	21.08	21.05	21.10	
20	64QAM	50	50	21.09	21.01	21.04	21.06	21.10	
20	64QAM	100	0	21.10	21.03	21.07	21.08	21.06	
20	256QAM	1	0	19.09	19.06	19.14	19.03	19.04	20.4
20	256QAM	1	49	18.87	18.78	18.95	18.77	18.75	
20	256QAM	1	99	18.81	18.80	18.92	18.71	18.82	
20	256QAM	50	0	17.11	17.06	17.18	17.04	17.05	18.4
20	256QAM	50	24	16.99	16.99	17.13	16.97	16.98	
20	256QAM	50	50	16.94	16.96	17.06	16.87	16.91	
20	256QAM	100	0	16.98	16.94	17.05	16.89	16.93	
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	24.05	23.86	24.02	24.02	24.01	24.50
15	QPSK	1	37	23.93	23.77	23.98	23.94	23.85	
15	QPSK	1	74	23.98	23.88	23.93	23.89	23.86	
15	QPSK	36	0	22.94	22.82	22.95	22.95	22.85	24.4
15	QPSK	36	20	22.91	22.84	22.97	22.99	22.97	
15	QPSK	36	39	22.98	22.83	22.85	23.01	22.83	
15	QPSK	75	0	23.07	22.84	22.95	23.02	22.96	
15	16QAM	1	0	22.97	22.95	23.03	22.88	22.91	24.4
15	16QAM	1	37	22.94	22.85	22.88	22.97	22.96	
15	16QAM	1	74	22.96	22.90	23.05	23.05	22.98	
15	16QAM	36	0	21.93	21.89	21.87	21.99	21.98	23.4
15	16QAM	36	20	21.96	21.84	21.91	22.01	21.93	
15	16QAM	36	39	21.99	21.95	21.95	22.00	22.02	
15	16QAM	75	0	22.05	21.95	21.97	21.89	21.96	
15	64QAM	1	0	21.60	21.72	21.61	21.65	21.58	23.4
15	64QAM	1	37	21.53	21.63	21.49	21.60	21.42	
15	64QAM	1	74	21.53	21.58	21.47	21.69	21.52	
15	64QAM	36	0	20.89	20.94	21.06	20.90	21.00	22.4
15	64QAM	36	20	20.91	20.80	20.91	21.00	21.02	
15	64QAM	36	39	21.05	20.99	21.04	20.89	20.97	
15	64QAM	75	0	21.01	21.01	20.92	21.05	20.94	
15	256QAM	1	0	18.96	18.98	19.01	18.92	18.86	20.4
15	256QAM	1	37	18.87	18.71	18.88	18.63	18.64	
15	256QAM	1	74	18.78	18.66	18.73	18.71	18.72	
15	256QAM	36	0	17.05	17.03	17.09	16.92	16.90	18.4
15	256QAM	36	20	16.85	16.94	16.96	16.95	16.90	
15	256QAM	36	39	16.92	16.80	16.90	16.81	16.91	

15	256QAM	75	0	16.82	16.93	16.98	16.87	16.91	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.95	23.85	24.05	24.01	23.97	24.50
10	QPSK	1	25	23.96	23.84	24.01	24.05	23.94	
10	QPSK	1	49	24.02	23.85	23.83	23.86	23.95	
10	QPSK	25	0	23.00	22.79	23.02	23.02	22.88	24.4
10	QPSK	25	12	23.09	22.93	22.95	22.90	22.92	
10	QPSK	25	25	23.02	22.85	23.00	22.98	22.83	
10	QPSK	50	0	23.04	22.94	22.83	22.94	22.93	
10	16QAM	1	0	22.98	22.99	22.95	22.96	22.93	24.4
10	16QAM	1	25	22.93	22.92	22.88	22.97	23.08	
10	16QAM	1	49	23.02	22.98	22.91	23.12	22.98	
10	16QAM	25	0	21.91	21.78	21.85	22.04	22.00	23.4
10	16QAM	25	12	22.00	22.02	21.97	21.82	22.00	
10	16QAM	25	25	21.87	21.94	22.04	22.02	21.97	
10	16QAM	50	0	21.94	21.89	21.92	22.02	22.01	
10	64QAM	1	0	21.57	21.66	21.67	21.63	21.56	23.4
10	64QAM	1	25	21.51	21.60	21.42	21.45	21.42	
10	64QAM	1	49	21.66	21.67	21.45	21.70	21.42	
10	64QAM	25	0	21.07	20.81	20.98	21.01	21.09	22.4
10	64QAM	25	12	20.97	20.79	21.03	20.90	21.08	
10	64QAM	25	25	21.00	20.93	20.98	20.91	20.90	
10	64QAM	50	0	21.06	20.97	21.05	20.88	21.03	
10	256QAM	1	0	18.92	18.95	19.08	18.83	18.97	20.4
10	256QAM	1	25	18.86	18.72	18.89	18.70	18.64	
10	256QAM	1	49	18.71	18.77	18.91	18.71	18.62	
10	256QAM	25	0	16.99	16.97	17.06	17.04	16.92	18.4
10	256QAM	25	12	16.79	16.80	17.07	16.86	16.83	
10	256QAM	25	25	16.88	16.94	16.87	16.75	16.86	
10	256QAM	50	0	16.87	16.80	17.04	16.69	16.90	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.01	24.02	24.02	23.99	24.05	24.50
5	QPSK	1	12	23.84	23.87	23.91	23.90	23.93	
5	QPSK	1	24	23.86	23.84	23.99	23.90	23.86	
5	QPSK	12	0	22.91	22.87	22.92	23.04	22.96	24.4
5	QPSK	12	7	23.04	22.89	22.87	22.91	22.85	
5	QPSK	12	13	22.97	22.94	22.91	22.96	22.95	
5	QPSK	25	0	22.92	22.78	22.84	22.95	23.03	
5	16QAM	1	0	22.96	22.90	22.98	22.95	22.98	24.4
5	16QAM	1	12	22.94	22.81	23.00	22.92	23.09	
5	16QAM	1	24	23.06	23.05	22.91	23.03	23.08	
5	16QAM	12	0	21.88	21.89	22.03	21.93	22.01	23.4
5	16QAM	12	7	22.05	21.82	22.06	21.87	21.97	
5	16QAM	12	13	22.04	21.86	21.98	21.90	21.86	
5	16QAM	25	0	21.93	22.01	21.98	22.00	21.98	
5	64QAM	1	0	21.70	21.60	21.55	21.65	21.47	23.4
5	64QAM	1	12	21.51	21.57	21.45	21.62	21.42	
5	64QAM	1	24	21.56	21.70	21.41	21.54	21.55	
5	64QAM	12	0	21.07	20.90	21.00	20.88	20.98	22.4
5	64QAM	12	7	21.05	20.87	20.91	20.90	21.06	
5	64QAM	12	13	20.91	20.99	20.93	20.93	21.03	
5	64QAM	25	0	21.02	20.86	20.98	21.04	21.02	
5	256QAM	1	0	19.05	18.88	18.97	19.03	18.90	20.4
5	256QAM	1	12	18.78	18.76	18.83	18.59	18.74	
5	256QAM	1	24	18.63	18.73	18.85	18.59	18.79	
5	256QAM	12	0	17.00	16.99	17.02	16.88	17.05	18.4
5	256QAM	12	7	16.84	16.81	17.04	16.97	16.91	
5	256QAM	12	13	16.92	16.79	16.90	16.71	16.72	
5	256QAM	25	0	16.97	16.91	16.95	16.69	16.85	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	24.09	24.02	24.05	24.07	24.06	25.3
20	QPSK	1	49	24.04	23.93	24.02	24.05	24.00	
20	QPSK	1	99	24.05	23.94	24.03	24.05	24.03	
20	QPSK	50	0	23.10	22.96	23.07	23.07	23.05	24.4
20	QPSK	50	24	23.09	22.94	23.05	23.04	23.03	
20	QPSK	50	50	23.09	22.95	23.01	23.06	23.01	
20	QPSK	100	0	23.10	22.98	23.01	23.08	23.06	
20	16QAM	1	0	23.14	23.06	23.12	23.06	23.11	24.4
20	16QAM	1	49	23.06	22.98	23.02	23.09	23.11	
20	16QAM	1	99	23.07	23.09	23.05	23.18	23.14	
20	16QAM	50	0	22.08	21.98	22.05	22.04	22.03	23.4
20	16QAM	50	24	22.05	22.02	22.06	22.02	22.05	
20	16QAM	50	50	22.05	22.02	22.04	22.02	22.04	
20	16QAM	100	0	22.08	22.01	22.07	22.06	22.06	
20	64QAM	1	0	21.71	21.73	21.70	21.69	21.61	23.4
20	64QAM	1	49	21.70	21.71	21.53	21.64	21.48	
20	64QAM	1	99	21.68	21.73	21.58	21.71	21.57	
20	64QAM	50	0	21.08	21.00	21.07	21.06	21.09	22.4
20	64QAM	50	24	21.09	20.99	21.08	21.05	21.10	
20	64QAM	50	50	21.09	21.01	21.04	21.06	21.10	
20	64QAM	100	0	21.10	21.03	21.07	21.08	21.06	
20	256QAM	1	0	19.09	19.06	19.14	19.03	19.04	20.4
20	256QAM	1	49	18.87	18.78	18.95	18.77	18.75	
20	256QAM	1	99	18.81	18.80	18.92	18.71	18.82	
20	256QAM	50	0	17.11	17.06	17.18	17.04	17.05	18.4
20	256QAM	50	24	16.99	16.99	17.13	16.97	16.98	
20	256QAM	50	50	16.94	16.96	17.06	16.87	16.91	
20	256QAM	100	0	16.98	16.94	17.05	16.89	16.93	
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	24.05	23.86	24.02	24.02	24.01	25.30
15	QPSK	1	37	23.93	23.77	23.98	23.94	23.85	
15	QPSK	1	74	23.98	23.88	23.93	23.89	23.86	
15	QPSK	36	0	22.94	22.82	22.95	22.95	22.85	24.4
15	QPSK	36	20	22.91	22.84	22.97	22.99	22.97	
15	QPSK	36	39	22.98	22.83	22.85	23.01	22.83	
15	QPSK	75	0	23.07	22.84	22.95	23.02	22.96	
15	16QAM	1	0	22.97	22.95	23.03	22.88	22.91	24.4
15	16QAM	1	37	22.94	22.85	22.88	22.97	22.96	
15	16QAM	1	74	22.96	22.90	23.05	23.05	22.98	
15	16QAM	36	0	21.93	21.89	21.87	21.99	21.98	23.4
15	16QAM	36	20	21.96	21.84	21.91	22.01	21.93	
15	16QAM	36	39	21.99	21.95	21.95	22.00	22.02	
15	16QAM	75	0	22.05	21.95	21.97	21.89	21.96	
15	64QAM	1	0	21.60	21.72	21.61	21.65	21.58	23.4
15	64QAM	1	37	21.53	21.63	21.49	21.60	21.42	
15	64QAM	1	74	21.53	21.58	21.47	21.69	21.52	
15	64QAM	36	0	20.89	20.94	21.06	20.90	21.00	22.4
15	64QAM	36	20	20.91	20.80	20.91	21.00	21.02	
15	64QAM	36	39	21.05	20.99	21.04	20.89	20.97	
15	64QAM	75	0	21.01	21.01	20.92	21.05	20.94	
15	256QAM	1	0	18.96	18.98	19.01	18.92	18.86	20.4
15	256QAM	1	37	18.87	18.71	18.88	18.63	18.64	
15	256QAM	1	74	18.78	18.66	18.73	18.71	18.72	
15	256QAM	36	0	17.05	17.03	17.09	16.92	16.90	18.4
15	256QAM	36	20	16.85	16.94	16.96	16.95	16.90	
15	256QAM	36	39	16.92	16.80	16.90	16.81	16.91	

15	256QAM	75	0	16.82	16.93	16.98	16.87	16.91	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.95	23.85	24.05	24.01	23.97	25.30
10	QPSK	1	25	23.96	23.84	24.01	24.05	23.94	
10	QPSK	1	49	24.02	23.85	23.83	23.86	23.95	
10	QPSK	25	0	23.00	22.79	23.02	23.02	22.88	24.4
10	QPSK	25	12	23.09	22.93	22.95	22.90	22.92	
10	QPSK	25	25	23.02	22.85	23.00	22.98	22.83	
10	QPSK	50	0	23.04	22.94	22.83	22.94	22.93	
10	16QAM	1	0	22.98	22.99	22.95	22.96	22.93	24.4
10	16QAM	1	25	22.93	22.92	22.88	22.97	23.08	
10	16QAM	1	49	23.02	22.98	22.91	23.12	22.98	
10	16QAM	25	0	21.91	21.78	21.85	22.04	22.00	23.4
10	16QAM	25	12	22.00	22.02	21.97	21.82	22.00	
10	16QAM	25	25	21.87	21.94	22.04	22.02	21.97	
10	16QAM	50	0	21.94	21.89	21.92	22.02	22.01	
10	64QAM	1	0	21.57	21.66	21.67	21.63	21.56	23.4
10	64QAM	1	25	21.51	21.60	21.42	21.45	21.42	
10	64QAM	1	49	21.66	21.67	21.45	21.70	21.42	
10	64QAM	25	0	21.07	20.81	20.98	21.01	21.09	22.4
10	64QAM	25	12	20.97	20.79	21.03	20.90	21.08	
10	64QAM	25	25	21.00	20.93	20.98	20.91	20.90	
10	64QAM	50	0	21.06	20.97	21.05	20.88	21.03	
10	256QAM	1	0	18.92	18.95	19.08	18.83	18.97	20.4
10	256QAM	1	25	18.86	18.72	18.89	18.70	18.64	
10	256QAM	1	49	18.71	18.77	18.91	18.71	18.62	
10	256QAM	25	0	16.99	16.97	17.06	17.04	16.92	18.4
10	256QAM	25	12	16.79	16.80	17.07	16.86	16.83	
10	256QAM	25	25	16.88	16.94	16.87	16.75	16.86	
10	256QAM	50	0	16.87	16.80	17.04	16.69	16.90	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.01	24.02	24.02	23.99	24.05	25.30
5	QPSK	1	12	23.84	23.87	23.91	23.90	23.93	
5	QPSK	1	24	23.86	23.84	23.99	23.90	23.86	
5	QPSK	12	0	22.91	22.87	22.92	23.04	22.96	24.4
5	QPSK	12	7	23.04	22.89	22.87	22.91	22.85	
5	QPSK	12	13	22.97	22.94	22.91	22.96	22.95	
5	QPSK	25	0	22.92	22.78	22.84	22.95	23.03	
5	16QAM	1	0	22.96	22.90	22.98	22.95	22.98	24.4
5	16QAM	1	12	22.94	22.81	23.00	22.92	23.09	
5	16QAM	1	24	23.06	23.05	22.91	23.03	23.08	
5	16QAM	12	0	21.88	21.89	22.03	21.93	22.01	23.4
5	16QAM	12	7	22.05	21.82	22.06	21.87	21.97	
5	16QAM	12	13	22.04	21.86	21.98	21.90	21.86	
5	16QAM	25	0	21.93	22.01	21.98	22.00	21.98	
5	64QAM	1	0	21.70	21.60	21.55	21.65	21.47	23.4
5	64QAM	1	12	21.51	21.57	21.45	21.62	21.42	
5	64QAM	1	24	21.56	21.70	21.41	21.54	21.55	
5	64QAM	12	0	21.07	20.90	21.00	20.88	20.98	22.4
5	64QAM	12	7	21.05	20.87	20.91	20.90	21.06	
5	64QAM	12	13	20.91	20.99	20.93	20.93	21.03	
5	64QAM	25	0	21.02	20.86	20.98	21.04	21.02	
5	256QAM	1	0	19.05	18.88	18.97	19.03	18.90	20.4
5	256QAM	1	12	18.78	18.76	18.83	18.59	18.74	
5	256QAM	1	24	18.63	18.73	18.85	18.59	18.79	
5	256QAM	12	0	17.00	16.99	17.02	16.88	17.05	18.4
5	256QAM	12	7	16.84	16.81	17.04	16.97	16.91	
5	256QAM	12	13	16.92	16.79	16.90	16.71	16.72	
5	256QAM	25	0	16.97	16.91	16.95	16.69	16.85	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	25.95	25.89	25.91	25.98	25.99	27.4
20	QPSK	1	49	25.95	25.86	25.89	25.93	25.93	
20	QPSK	1	99	25.94	25.87	25.87	25.90	25.91	
20	QPSK	50	0	25.02	24.99	24.99	25.04	25.09	26.4
20	QPSK	50	24	25.00	24.98	24.97	25.01	25.00	
20	QPSK	50	50	25.01	24.97	24.94	24.99	25.00	
20	QPSK	100	0	25.04	24.97	24.98	25.01	25.05	
20	16QAM	1	0	25.49	25.37	25.35	25.49	25.42	26.4
20	16QAM	1	49	25.40	25.30	25.09	25.37	25.35	
20	16QAM	1	99	25.51	25.49	25.36	25.46	25.46	
20	16QAM	50	0	24.05	23.98	23.99	23.97	24.02	25.4
20	16QAM	50	24	24.03	23.97	23.99	23.99	24.03	
20	16QAM	50	50	24.10	23.98	23.97	24.03	24.05	
20	16QAM	100	0	24.07	24.00	23.98	24.03	24.09	
20	64QAM	1	0	24.19	23.91	24.26	24.17	24.11	25.4
20	64QAM	1	49	24.40	24.23	24.14	24.01	24.27	
20	64QAM	1	99	24.19	24.09	24.13	24.17	24.12	
20	64QAM	50	0	23.06	22.99	23.02	23.04	23.05	24.4
20	64QAM	50	24	23.06	22.97	23.00	23.04	23.03	
20	64QAM	50	50	23.09	23.00	23.01	23.06	23.04	
20	64QAM	100	0	23.06	23.04	23.01	23.04	23.08	
20	256QAM	1	0	21.32	21.23	21.42	21.38	21.25	22.4
20	256QAM	1	49	20.94	20.84	21.13	21.07	20.93	
20	256QAM	1	99	20.99	20.88	21.12	20.98	20.93	
20	256QAM	50	0	19.04	18.95	19.16	19.05	18.91	20.4
20	256QAM	50	24	18.97	18.88	19.10	19.06	18.85	
20	256QAM	50	50	18.91	18.79	19.01	18.89	18.83	
20	256QAM	100	0	18.87	18.79	19.02	18.90	18.82	
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	25.82	25.83	25.71	25.96	25.98	27.40
15	QPSK	1	37	25.77	25.81	25.76	25.81	25.75	
15	QPSK	1	74	25.93	25.76	25.67	25.88	25.81	
15	QPSK	36	0	24.85	24.85	24.95	24.88	25.07	26.4
15	QPSK	36	20	24.97	24.92	24.84	24.86	24.80	
15	QPSK	36	39	24.82	24.85	24.77	24.96	24.93	
15	QPSK	75	0	24.85	24.84	24.89	24.94	25.05	
15	16QAM	1	0	25.37	25.25	25.33	25.35	25.31	26.4
15	16QAM	1	37	25.32	25.22	25.03	25.35	25.31	
15	16QAM	1	74	25.46	25.33	25.20	25.39	25.37	
15	16QAM	36	0	23.97	23.97	23.92	23.87	24.02	25.4
15	16QAM	36	20	23.94	23.83	23.99	23.93	23.95	
15	16QAM	36	39	24.06	23.92	23.88	23.87	23.86	
15	16QAM	75	0	23.89	23.91	23.80	23.96	23.99	
15	64QAM	1	0	24.04	23.79	24.14	24.17	23.95	25.4
15	64QAM	1	37	24.27	24.03	24.13	23.98	24.27	
15	64QAM	1	74	24.17	24.08	24.09	24.13	24.08	
15	64QAM	36	0	22.99	22.97	22.94	22.84	22.98	24.4
15	64QAM	36	20	22.96	22.84	22.91	22.94	23.00	
15	64QAM	36	39	23.04	22.91	22.83	22.95	22.92	
15	64QAM	75	0	22.96	22.96	22.82	22.97	22.99	
15	256QAM	1	0	21.18	21.17	21.33	21.23	21.24	22.4
15	256QAM	1	37	20.77	20.73	21.03	20.93	20.73	
15	256QAM	1	74	20.92	20.83	20.94	20.78	20.76	
15	256QAM	36	0	18.91	18.95	19.16	18.94	18.88	20.4
15	256QAM	36	20	18.85	18.71	18.94	19.06	18.70	
15	256QAM	36	39	18.91	18.72	18.94	18.71	18.66	

15	256QAM	75	0	18.74	18.77	18.85	18.72	18.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.93	25.71	25.86	25.83	25.82	27.40
10	QPSK	1	25	25.84	25.86	25.81	25.84	25.74	
10	QPSK	1	49	25.88	25.81	25.77	25.87	25.72	
10	QPSK	25	0	24.85	24.97	24.96	25.04	24.98	26.4
10	QPSK	25	12	24.96	24.92	24.95	24.91	24.81	
10	QPSK	25	25	24.81	24.92	24.94	24.88	24.96	
10	QPSK	50	0	24.98	24.85	24.90	24.90	24.93	
10	16QAM	1	0	25.40	25.18	25.18	25.46	25.25	26.4
10	16QAM	1	25	25.35	25.11	24.89	25.26	25.25	
10	16QAM	1	49	25.48	25.31	25.29	25.46	25.27	
10	16QAM	25	0	24.01	23.89	23.86	23.96	23.85	25.4
10	16QAM	25	12	23.90	23.82	23.86	23.96	23.94	
10	16QAM	25	25	23.98	23.82	23.94	23.97	23.89	
10	16QAM	50	0	24.02	23.90	23.91	24.01	24.03	
10	64QAM	1	0	24.02	23.78	24.15	24.15	24.04	25.4
10	64QAM	1	25	24.34	24.04	23.97	23.91	24.12	
10	64QAM	1	49	24.01	23.93	24.10	24.01	23.96	
10	64QAM	25	0	22.99	22.89	22.93	22.93	23.02	24.4
10	64QAM	25	12	22.96	22.77	22.87	22.93	22.97	
10	64QAM	25	25	23.07	22.94	22.90	23.01	23.00	
10	64QAM	50	0	22.89	22.85	23.01	22.95	23.08	
10	256QAM	1	0	21.21	21.06	21.31	21.21	21.11	22.4
10	256QAM	1	25	20.74	20.71	21.00	21.07	20.73	
10	256QAM	1	49	20.79	20.83	20.96	20.98	20.76	
10	256QAM	25	0	18.94	18.83	18.99	19.02	18.88	20.4
10	256QAM	25	12	18.79	18.77	19.07	19.02	18.79	
10	256QAM	25	25	18.75	18.63	18.81	18.71	18.79	
10	256QAM	50	0	18.72	18.65	18.97	18.70	18.75	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.76	25.88	25.91	25.96	25.90	27.40
5	QPSK	1	12	25.75	25.77	25.85	25.89	25.82	
5	QPSK	1	24	25.81	25.74	25.77	25.75	25.87	
5	QPSK	12	0	24.96	24.99	24.79	24.84	25.04	26.4
5	QPSK	12	7	24.83	24.92	24.90	24.93	24.95	
5	QPSK	12	13	24.88	24.89	24.78	24.92	25.00	
5	QPSK	25	0	24.84	24.90	24.96	24.86	24.91	
5	16QAM	1	0	25.47	25.26	25.29	25.38	25.41	26.4
5	16QAM	1	12	25.31	25.19	24.98	25.37	25.15	
5	16QAM	1	24	25.35	25.48	25.28	25.27	25.31	
5	16QAM	12	0	23.87	23.87	23.84	23.94	23.93	25.4
5	16QAM	12	7	23.91	23.84	23.95	23.85	23.93	
5	16QAM	12	13	24.08	23.87	23.83	23.88	23.97	
5	16QAM	25	0	23.97	23.97	23.97	23.95	24.02	
5	64QAM	1	0	24.17	23.79	24.21	24.06	24.06	25.4
5	64QAM	1	12	24.23	24.23	23.97	23.91	24.09	
5	64QAM	1	24	24.05	23.89	24.13	24.09	23.98	
5	64QAM	12	0	23.03	22.85	22.96	22.84	22.87	24.4
5	64QAM	12	7	23.04	22.83	22.81	22.90	22.98	
5	64QAM	12	13	23.08	22.85	22.85	22.89	22.98	
5	64QAM	25	0	22.90	22.87	22.91	23.00	23.08	
5	256QAM	1	0	21.17	21.09	21.40	21.33	21.07	22.4
5	256QAM	1	12	20.89	20.64	20.99	20.99	20.80	
5	256QAM	1	24	20.97	20.84	20.97	20.84	20.73	
5	256QAM	12	0	18.88	18.78	18.97	18.87	18.88	20.4
5	256QAM	12	7	18.87	18.85	18.99	18.96	18.83	
5	256QAM	12	13	18.78	18.79	18.93	18.87	18.67	
5	256QAM	25	0	18.80	18.71	18.93	18.80	18.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	25.95	25.89	25.91	25.98	25.99	27.4
20	QPSK	1	49	25.95	25.86	25.89	25.93	25.93	
20	QPSK	1	99	25.94	25.87	25.87	25.90	25.91	
20	QPSK	50	0	25.02	24.99	24.99	25.04	25.09	26.4
20	QPSK	50	24	25.00	24.98	24.97	25.01	25.00	
20	QPSK	50	50	25.01	24.97	24.94	24.99	25.00	
20	QPSK	100	0	25.04	24.97	24.98	25.01	25.05	
20	16QAM	1	0	25.49	25.37	25.35	25.49	25.42	26.4
20	16QAM	1	49	25.40	25.30	25.09	25.37	25.35	
20	16QAM	1	99	25.51	25.49	25.36	25.46	25.46	
20	16QAM	50	0	24.05	23.98	23.99	23.97	24.02	25.4
20	16QAM	50	24	24.03	23.97	23.99	23.99	24.03	
20	16QAM	50	50	24.10	23.98	23.97	24.03	24.05	
20	16QAM	100	0	24.07	24.00	23.98	24.03	24.09	
20	64QAM	1	0	24.19	23.91	24.26	24.17	24.11	25.4
20	64QAM	1	49	24.40	24.23	24.14	24.01	24.27	
20	64QAM	1	99	24.19	24.09	24.13	24.17	24.12	
20	64QAM	50	0	23.06	22.99	23.02	23.04	23.05	24.4
20	64QAM	50	24	23.06	22.97	23.00	23.04	23.03	
20	64QAM	50	50	23.09	23.00	23.01	23.06	23.04	
20	64QAM	100	0	23.06	23.04	23.01	23.04	23.08	
20	256QAM	1	0	21.32	21.23	21.42	21.38	21.25	22.4
20	256QAM	1	49	20.94	20.84	21.13	21.07	20.93	
20	256QAM	1	99	20.99	20.88	21.12	20.98	20.93	
20	256QAM	50	0	19.04	18.95	19.16	19.05	18.91	20.4
20	256QAM	50	24	18.97	18.88	19.10	19.06	18.85	
20	256QAM	50	50	18.91	18.79	19.01	18.89	18.83	
20	256QAM	100	0	18.87	18.79	19.02	18.90	18.82	
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	25.82	25.83	25.71	25.96	25.98	27.40
15	QPSK	1	37	25.77	25.81	25.76	25.81	25.75	
15	QPSK	1	74	25.93	25.76	25.67	25.88	25.81	
15	QPSK	36	0	24.85	24.85	24.95	24.88	25.07	26.4
15	QPSK	36	20	24.97	24.92	24.84	24.86	24.80	
15	QPSK	36	39	24.82	24.85	24.77	24.96	24.93	
15	QPSK	75	0	24.85	24.84	24.89	24.94	25.05	
15	16QAM	1	0	25.37	25.25	25.33	25.35	25.31	26.4
15	16QAM	1	37	25.32	25.22	25.03	25.35	25.31	
15	16QAM	1	74	25.46	25.33	25.20	25.39	25.37	
15	16QAM	36	0	23.97	23.97	23.92	23.87	24.02	25.4
15	16QAM	36	20	23.94	23.83	23.99	23.93	23.95	
15	16QAM	36	39	24.06	23.92	23.88	23.87	23.86	
15	16QAM	75	0	23.89	23.91	23.80	23.96	23.99	
15	64QAM	1	0	24.04	23.79	24.14	24.17	23.95	25.4
15	64QAM	1	37	24.27	24.03	24.13	23.98	24.27	
15	64QAM	1	74	24.17	24.08	24.09	24.13	24.08	
15	64QAM	36	0	22.99	22.97	22.94	22.84	22.98	24.4
15	64QAM	36	20	22.96	22.84	22.91	22.94	23.00	
15	64QAM	36	39	23.04	22.91	22.83	22.95	22.92	
15	64QAM	75	0	22.96	22.96	22.82	22.97	22.99	
15	256QAM	1	0	21.18	21.17	21.33	21.23	21.24	22.4
15	256QAM	1	37	20.77	20.73	21.03	20.93	20.73	
15	256QAM	1	74	20.92	20.83	20.94	20.78	20.76	
15	256QAM	36	0	18.91	18.95	19.16	18.94	18.88	20.4
15	256QAM	36	20	18.85	18.71	18.94	19.06	18.70	
15	256QAM	36	39	18.91	18.72	18.94	18.71	18.66	

15	256QAM	75	0	18.74	18.77	18.85	18.72	18.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.93	25.71	25.86	25.83	25.82	27.40
10	QPSK	1	25	25.84	25.86	25.81	25.84	25.74	
10	QPSK	1	49	25.88	25.81	25.77	25.87	25.72	
10	QPSK	25	0	24.85	24.97	24.96	25.04	24.98	26.4
10	QPSK	25	12	24.96	24.92	24.95	24.91	24.81	
10	QPSK	25	25	24.81	24.92	24.94	24.88	24.96	
10	QPSK	50	0	24.98	24.85	24.90	24.90	24.93	
10	16QAM	1	0	25.40	25.18	25.18	25.46	25.25	26.4
10	16QAM	1	25	25.35	25.11	24.89	25.26	25.25	
10	16QAM	1	49	25.48	25.31	25.29	25.46	25.27	
10	16QAM	25	0	24.01	23.89	23.86	23.96	23.85	25.4
10	16QAM	25	12	23.90	23.82	23.86	23.96	23.94	
10	16QAM	25	25	23.98	23.82	23.94	23.97	23.89	
10	16QAM	50	0	24.02	23.90	23.91	24.01	24.03	
10	64QAM	1	0	24.02	23.78	24.15	24.15	24.04	25.4
10	64QAM	1	25	24.34	24.04	23.97	23.91	24.12	
10	64QAM	1	49	24.01	23.93	24.10	24.01	23.96	
10	64QAM	25	0	22.99	22.89	22.93	22.93	23.02	24.4
10	64QAM	25	12	22.96	22.77	22.87	22.93	22.97	
10	64QAM	25	25	23.07	22.94	22.90	23.01	23.00	
10	64QAM	50	0	22.89	22.85	23.01	22.95	23.08	
10	256QAM	1	0	21.21	21.06	21.31	21.21	21.11	22.4
10	256QAM	1	25	20.74	20.71	21.00	21.07	20.73	
10	256QAM	1	49	20.79	20.83	20.96	20.98	20.76	
10	256QAM	25	0	18.94	18.83	18.99	19.02	18.88	20.4
10	256QAM	25	12	18.79	18.77	19.07	19.02	18.79	
10	256QAM	25	25	18.75	18.63	18.81	18.71	18.79	
10	256QAM	50	0	18.72	18.65	18.97	18.70	18.75	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.76	25.88	25.91	25.96	25.90	27.40
5	QPSK	1	12	25.75	25.77	25.85	25.89	25.82	
5	QPSK	1	24	25.81	25.74	25.77	25.75	25.87	
5	QPSK	12	0	24.96	24.99	24.79	24.84	25.04	26.4
5	QPSK	12	7	24.83	24.92	24.90	24.93	24.95	
5	QPSK	12	13	24.88	24.89	24.78	24.92	25.00	
5	QPSK	25	0	24.84	24.90	24.96	24.86	24.91	
5	16QAM	1	0	25.47	25.26	25.29	25.38	25.41	26.4
5	16QAM	1	12	25.31	25.19	24.98	25.37	25.15	
5	16QAM	1	24	25.35	25.48	25.28	25.27	25.31	
5	16QAM	12	0	23.87	23.87	23.84	23.94	23.93	25.4
5	16QAM	12	7	23.91	23.84	23.95	23.85	23.93	
5	16QAM	12	13	24.08	23.87	23.83	23.88	23.97	
5	16QAM	25	0	23.97	23.97	23.97	23.95	24.02	
5	64QAM	1	0	24.17	23.79	24.21	24.06	24.06	25.4
5	64QAM	1	12	24.23	24.23	23.97	23.91	24.09	
5	64QAM	1	24	24.05	23.89	24.13	24.09	23.98	
5	64QAM	12	0	23.03	22.85	22.96	22.84	22.87	24.4
5	64QAM	12	7	23.04	22.83	22.81	22.90	22.98	
5	64QAM	12	13	23.08	22.85	22.85	22.89	22.98	
5	64QAM	25	0	22.90	22.87	22.91	23.00	23.08	
5	256QAM	1	0	21.17	21.09	21.40	21.33	21.07	22.4
5	256QAM	1	12	20.89	20.64	20.99	20.99	20.80	
5	256QAM	1	24	20.97	20.84	20.97	20.84	20.73	
5	256QAM	12	0	18.88	18.78	18.97	18.87	18.88	20.4
5	256QAM	12	7	18.87	18.85	18.99	18.96	18.83	
5	256QAM	12	13	18.78	18.79	18.93	18.87	18.67	
5	256QAM	25	0	18.80	18.71	18.93	18.80	18.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	25.95	25.89	25.91	25.98	25.99	26.1
20	QPSK	1	49	25.95	25.86	25.89	25.93	25.93	
20	QPSK	1	99	25.94	25.87	25.87	25.90	25.91	
20	QPSK	50	0	25.02	24.99	24.99	25.04	25.09	26.1
20	QPSK	50	24	25.00	24.98	24.97	25.01	25.00	
20	QPSK	50	50	25.01	24.97	24.94	24.99	25.00	
20	QPSK	100	0	25.04	24.97	24.98	25.01	25.05	
20	16QAM	1	0	25.49	25.37	25.35	25.49	25.42	26.1
20	16QAM	1	49	25.40	25.30	25.09	25.37	25.35	
20	16QAM	1	99	25.51	25.49	25.36	25.46	25.46	
20	16QAM	50	0	24.05	23.98	23.99	23.97	24.02	25.4
20	16QAM	50	24	24.03	23.97	23.99	23.99	24.03	
20	16QAM	50	50	24.10	23.98	23.97	24.03	24.05	
20	16QAM	100	0	24.07	24.00	23.98	24.03	24.09	
20	64QAM	1	0	24.19	23.91	24.26	24.17	24.11	25.4
20	64QAM	1	49	24.40	24.23	24.14	24.01	24.27	
20	64QAM	1	99	24.19	24.09	24.13	24.17	24.12	
20	64QAM	50	0	23.06	22.99	23.02	23.04	23.05	24.4
20	64QAM	50	24	23.06	22.97	23.00	23.04	23.03	
20	64QAM	50	50	23.09	23.00	23.01	23.06	23.04	
20	64QAM	100	0	23.06	23.04	23.01	23.04	23.08	
20	256QAM	1	0	21.32	21.23	21.42	21.38	21.25	22.4
20	256QAM	1	49	20.94	20.84	21.13	21.07	20.93	
20	256QAM	1	99	20.99	20.88	21.12	20.98	20.93	
20	256QAM	50	0	19.04	18.95	19.16	19.05	18.91	20.4
20	256QAM	50	24	18.97	18.88	19.10	19.06	18.85	
20	256QAM	50	50	18.91	18.79	19.01	18.89	18.83	
20	256QAM	100	0	18.87	18.79	19.02	18.90	18.82	
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	25.82	25.83	25.71	25.96	25.98	26.10
15	QPSK	1	37	25.77	25.81	25.76	25.81	25.75	
15	QPSK	1	74	25.93	25.76	25.67	25.88	25.81	
15	QPSK	36	0	24.85	24.85	24.95	24.88	25.07	26.1
15	QPSK	36	20	24.97	24.92	24.84	24.86	24.80	
15	QPSK	36	39	24.82	24.85	24.77	24.96	24.93	
15	QPSK	75	0	24.85	24.84	24.89	24.94	25.05	
15	16QAM	1	0	25.37	25.25	25.33	25.35	25.31	26.1
15	16QAM	1	37	25.32	25.22	25.03	25.35	25.31	
15	16QAM	1	74	25.46	25.33	25.20	25.39	25.37	
15	16QAM	36	0	23.97	23.97	23.92	23.87	24.02	25.4
15	16QAM	36	20	23.94	23.83	23.99	23.93	23.95	
15	16QAM	36	39	24.06	23.92	23.88	23.87	23.86	
15	16QAM	75	0	23.89	23.91	23.80	23.96	23.99	
15	64QAM	1	0	24.04	23.79	24.14	24.17	23.95	25.4
15	64QAM	1	37	24.27	24.03	24.13	23.98	24.27	
15	64QAM	1	74	24.17	24.08	24.09	24.13	24.08	
15	64QAM	36	0	22.99	22.97	22.94	22.84	22.98	24.4
15	64QAM	36	20	22.96	22.84	22.91	22.94	23.00	
15	64QAM	36	39	23.04	22.91	22.83	22.95	22.92	
15	64QAM	75	0	22.96	22.96	22.82	22.97	22.99	
15	256QAM	1	0	21.18	21.17	21.33	21.23	21.24	22.4
15	256QAM	1	37	20.77	20.73	21.03	20.93	20.73	
15	256QAM	1	74	20.92	20.83	20.94	20.78	20.76	
15	256QAM	36	0	18.91	18.95	19.16	18.94	18.88	20.4
15	256QAM	36	20	18.85	18.71	18.94	19.06	18.70	
15	256QAM	36	39	18.91	18.72	18.94	18.71	18.66	

15	256QAM	75	0	18.74	18.77	18.85	18.72	18.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.93	25.71	25.86	25.83	25.82	26.10
10	QPSK	1	25	25.84	25.86	25.81	25.84	25.74	
10	QPSK	1	49	25.88	25.81	25.77	25.87	25.72	
10	QPSK	25	0	24.85	24.97	24.96	25.04	24.98	26.1
10	QPSK	25	12	24.96	24.92	24.95	24.91	24.81	
10	QPSK	25	25	24.81	24.92	24.94	24.88	24.96	
10	QPSK	50	0	24.98	24.85	24.90	24.90	24.93	
10	16QAM	1	0	25.40	25.18	25.18	25.46	25.25	26.1
10	16QAM	1	25	25.35	25.11	24.89	25.26	25.25	
10	16QAM	1	49	25.48	25.31	25.29	25.46	25.27	
10	16QAM	25	0	24.01	23.89	23.86	23.96	23.85	25.4
10	16QAM	25	12	23.90	23.82	23.86	23.96	23.94	
10	16QAM	25	25	23.98	23.82	23.94	23.97	23.89	
10	16QAM	50	0	24.02	23.90	23.91	24.01	24.03	
10	64QAM	1	0	24.02	23.78	24.15	24.15	24.04	25.4
10	64QAM	1	25	24.34	24.04	23.97	23.91	24.12	
10	64QAM	1	49	24.01	23.93	24.10	24.01	23.96	
10	64QAM	25	0	22.99	22.89	22.93	22.93	23.02	24.4
10	64QAM	25	12	22.96	22.77	22.87	22.93	22.97	
10	64QAM	25	25	23.07	22.94	22.90	23.01	23.00	
10	64QAM	50	0	22.89	22.85	23.01	22.95	23.08	
10	256QAM	1	0	21.21	21.06	21.31	21.21	21.11	22.4
10	256QAM	1	25	20.74	20.71	21.00	21.07	20.73	
10	256QAM	1	49	20.79	20.83	20.96	20.98	20.76	
10	256QAM	25	0	18.94	18.83	18.99	19.02	18.88	20.4
10	256QAM	25	12	18.79	18.77	19.07	19.02	18.79	
10	256QAM	25	25	18.75	18.63	18.81	18.71	18.79	
10	256QAM	50	0	18.72	18.65	18.97	18.70	18.75	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.76	25.88	25.91	25.96	25.90	26.10
5	QPSK	1	12	25.75	25.77	25.85	25.89	25.82	
5	QPSK	1	24	25.81	25.74	25.77	25.75	25.87	
5	QPSK	12	0	24.96	24.99	24.79	24.84	25.04	26.1
5	QPSK	12	7	24.83	24.92	24.90	24.93	24.95	
5	QPSK	12	13	24.88	24.89	24.78	24.92	25.00	
5	QPSK	25	0	24.84	24.90	24.96	24.86	24.91	
5	16QAM	1	0	25.47	25.26	25.29	25.38	25.41	26.1
5	16QAM	1	12	25.31	25.19	24.98	25.37	25.15	
5	16QAM	1	24	25.35	25.48	25.28	25.27	25.31	
5	16QAM	12	0	23.87	23.87	23.84	23.94	23.93	25.4
5	16QAM	12	7	23.91	23.84	23.95	23.85	23.93	
5	16QAM	12	13	24.08	23.87	23.83	23.88	23.97	
5	16QAM	25	0	23.97	23.97	23.97	23.95	24.02	
5	64QAM	1	0	24.17	23.79	24.21	24.06	24.06	25.4
5	64QAM	1	12	24.23	24.23	23.97	23.91	24.09	
5	64QAM	1	24	24.05	23.89	24.13	24.09	23.98	
5	64QAM	12	0	23.03	22.85	22.96	22.84	22.87	24.4
5	64QAM	12	7	23.04	22.83	22.81	22.90	22.98	
5	64QAM	12	13	23.08	22.85	22.85	22.89	22.98	
5	64QAM	25	0	22.90	22.87	22.91	23.00	23.08	
5	256QAM	1	0	21.17	21.09	21.40	21.33	21.07	22.4
5	256QAM	1	12	20.89	20.64	20.99	20.99	20.80	
5	256QAM	1	24	20.97	20.84	20.97	20.84	20.73	
5	256QAM	12	0	18.88	18.78	18.97	18.87	18.88	20.4
5	256QAM	12	7	18.87	18.85	18.99	18.96	18.83	
5	256QAM	12	13	18.78	18.79	18.93	18.87	18.67	
5	256QAM	25	0	18.80	18.71	18.93	18.80	18.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	25.95	25.89	25.91	25.98	25.99	26.9
20	QPSK	1	49	25.95	25.86	25.89	25.93	25.93	
20	QPSK	1	99	25.94	25.87	25.87	25.90	25.91	
20	QPSK	50	0	25.02	24.99	24.99	25.04	25.09	26.4
20	QPSK	50	24	25.00	24.98	24.97	25.01	25.00	
20	QPSK	50	50	25.01	24.97	24.94	24.99	25.00	
20	QPSK	100	0	25.04	24.97	24.98	25.01	25.05	
20	16QAM	1	0	25.49	25.37	25.35	25.49	25.42	26.4
20	16QAM	1	49	25.40	25.30	25.09	25.37	25.35	
20	16QAM	1	99	25.51	25.49	25.36	25.46	25.46	
20	16QAM	50	0	24.05	23.98	23.99	23.97	24.02	25.4
20	16QAM	50	24	24.03	23.97	23.99	23.99	24.03	
20	16QAM	50	50	24.10	23.98	23.97	24.03	24.05	
20	16QAM	100	0	24.07	24.00	23.98	24.03	24.09	
20	64QAM	1	0	24.19	23.91	24.26	24.17	24.11	25.4
20	64QAM	1	49	24.40	24.23	24.14	24.01	24.27	
20	64QAM	1	99	24.19	24.09	24.13	24.17	24.12	
20	64QAM	50	0	23.06	22.99	23.02	23.04	23.05	24.4
20	64QAM	50	24	23.06	22.97	23.00	23.04	23.03	
20	64QAM	50	50	23.09	23.00	23.01	23.06	23.04	
20	64QAM	100	0	23.06	23.04	23.01	23.04	23.08	
20	256QAM	1	0	21.32	21.23	21.42	21.38	21.25	22.4
20	256QAM	1	49	20.94	20.84	21.13	21.07	20.93	
20	256QAM	1	99	20.99	20.88	21.12	20.98	20.93	
20	256QAM	50	0	19.04	18.95	19.16	19.05	18.91	20.4
20	256QAM	50	24	18.97	18.88	19.10	19.06	18.85	
20	256QAM	50	50	18.91	18.79	19.01	18.89	18.83	
20	256QAM	100	0	18.87	18.79	19.02	18.90	18.82	
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	25.82	25.83	25.71	25.96	25.98	26.90
15	QPSK	1	37	25.77	25.81	25.76	25.81	25.75	
15	QPSK	1	74	25.93	25.76	25.67	25.88	25.81	
15	QPSK	36	0	24.85	24.85	24.95	24.88	25.07	26.4
15	QPSK	36	20	24.97	24.92	24.84	24.86	24.80	
15	QPSK	36	39	24.82	24.85	24.77	24.96	24.93	
15	QPSK	75	0	24.85	24.84	24.89	24.94	25.05	
15	16QAM	1	0	25.37	25.25	25.33	25.35	25.31	26.4
15	16QAM	1	37	25.32	25.22	25.03	25.35	25.31	
15	16QAM	1	74	25.46	25.33	25.20	25.39	25.37	
15	16QAM	36	0	23.97	23.97	23.92	23.87	24.02	25.4
15	16QAM	36	20	23.94	23.83	23.99	23.93	23.95	
15	16QAM	36	39	24.06	23.92	23.88	23.87	23.86	
15	16QAM	75	0	23.89	23.91	23.80	23.96	23.99	
15	64QAM	1	0	24.04	23.79	24.14	24.17	23.95	25.4
15	64QAM	1	37	24.27	24.03	24.13	23.98	24.27	
15	64QAM	1	74	24.17	24.08	24.09	24.13	24.08	
15	64QAM	36	0	22.99	22.97	22.94	22.84	22.98	24.4
15	64QAM	36	20	22.96	22.84	22.91	22.94	23.00	
15	64QAM	36	39	23.04	22.91	22.83	22.95	22.92	
15	64QAM	75	0	22.96	22.96	22.82	22.97	22.99	
15	256QAM	1	0	21.18	21.17	21.33	21.23	21.24	22.4
15	256QAM	1	37	20.77	20.73	21.03	20.93	20.73	
15	256QAM	1	74	20.92	20.83	20.94	20.78	20.76	
15	256QAM	36	0	18.91	18.95	19.16	18.94	18.88	20.4
15	256QAM	36	20	18.85	18.71	18.94	19.06	18.70	
15	256QAM	36	39	18.91	18.72	18.94	18.71	18.66	

15	256QAM	75	0	18.74	18.77	18.85	18.72	18.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.93	25.71	25.86	25.83	25.82	26.90
10	QPSK	1	25	25.84	25.86	25.81	25.84	25.74	
10	QPSK	1	49	25.88	25.81	25.77	25.87	25.72	
10	QPSK	25	0	24.85	24.97	24.96	25.04	24.98	26.4
10	QPSK	25	12	24.96	24.92	24.95	24.91	24.81	
10	QPSK	25	25	24.81	24.92	24.94	24.88	24.96	
10	QPSK	50	0	24.98	24.85	24.90	24.90	24.93	
10	16QAM	1	0	25.40	25.18	25.18	25.46	25.25	26.4
10	16QAM	1	25	25.35	25.11	24.89	25.26	25.25	
10	16QAM	1	49	25.48	25.31	25.29	25.46	25.27	
10	16QAM	25	0	24.01	23.89	23.86	23.96	23.85	25.4
10	16QAM	25	12	23.90	23.82	23.86	23.96	23.94	
10	16QAM	25	25	23.98	23.82	23.94	23.97	23.89	
10	16QAM	50	0	24.02	23.90	23.91	24.01	24.03	
10	64QAM	1	0	24.02	23.78	24.15	24.15	24.04	25.4
10	64QAM	1	25	24.34	24.04	23.97	23.91	24.12	
10	64QAM	1	49	24.01	23.93	24.10	24.01	23.96	
10	64QAM	25	0	22.99	22.89	22.93	22.93	23.02	24.4
10	64QAM	25	12	22.96	22.77	22.87	22.93	22.97	
10	64QAM	25	25	23.07	22.94	22.90	23.01	23.00	
10	64QAM	50	0	22.89	22.85	23.01	22.95	23.08	
10	256QAM	1	0	21.21	21.06	21.31	21.21	21.11	22.4
10	256QAM	1	25	20.74	20.71	21.00	21.07	20.73	
10	256QAM	1	49	20.79	20.83	20.96	20.98	20.76	
10	256QAM	25	0	18.94	18.83	18.99	19.02	18.88	20.4
10	256QAM	25	12	18.79	18.77	19.07	19.02	18.79	
10	256QAM	25	25	18.75	18.63	18.81	18.71	18.79	
10	256QAM	50	0	18.72	18.65	18.97	18.70	18.75	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.76	25.88	25.91	25.96	25.90	26.90
5	QPSK	1	12	25.75	25.77	25.85	25.89	25.82	
5	QPSK	1	24	25.81	25.74	25.77	25.75	25.87	
5	QPSK	12	0	24.96	24.99	24.79	24.84	25.04	26.4
5	QPSK	12	7	24.83	24.92	24.90	24.93	24.95	
5	QPSK	12	13	24.88	24.89	24.78	24.92	25.00	
5	QPSK	25	0	24.84	24.90	24.96	24.86	24.91	
5	16QAM	1	0	25.47	25.26	25.29	25.38	25.41	26.4
5	16QAM	1	12	25.31	25.19	24.98	25.37	25.15	
5	16QAM	1	24	25.35	25.48	25.28	25.27	25.31	
5	16QAM	12	0	23.87	23.87	23.84	23.94	23.93	25.4
5	16QAM	12	7	23.91	23.84	23.95	23.85	23.93	
5	16QAM	12	13	24.08	23.87	23.83	23.88	23.97	
5	16QAM	25	0	23.97	23.97	23.97	23.95	24.02	
5	64QAM	1	0	24.17	23.79	24.21	24.06	24.06	25.4
5	64QAM	1	12	24.23	24.23	23.97	23.91	24.09	
5	64QAM	1	24	24.05	23.89	24.13	24.09	23.98	
5	64QAM	12	0	23.03	22.85	22.96	22.84	22.87	24.4
5	64QAM	12	7	23.04	22.83	22.81	22.90	22.98	
5	64QAM	12	13	23.08	22.85	22.85	22.89	22.98	
5	64QAM	25	0	22.90	22.87	22.91	23.00	23.08	
5	256QAM	1	0	21.17	21.09	21.40	21.33	21.07	22.4
5	256QAM	1	12	20.89	20.64	20.99	20.99	20.80	
5	256QAM	1	24	20.97	20.84	20.97	20.84	20.73	
5	256QAM	12	0	18.88	18.78	18.97	18.87	18.88	20.4
5	256QAM	12	7	18.87	18.85	18.99	18.96	18.83	
5	256QAM	12	13	18.78	18.79	18.93	18.87	18.67	
5	256QAM	25	0	18.80	18.71	18.93	18.80	18.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High 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	25.95	25.89	25.91	25.98	25.99	26.1
20	QPSK	1	49	25.95	25.86	25.89	25.93	25.93	
20	QPSK	1	99	25.94	25.87	25.87	25.90	25.91	
20	QPSK	50	0	25.02	24.99	24.99	25.04	25.09	26.1
20	QPSK	50	24	25.00	24.98	24.97	25.01	25.00	
20	QPSK	50	50	25.01	24.97	24.94	24.99	25.00	
20	QPSK	100	0	25.04	24.97	24.98	25.01	25.05	
20	16QAM	1	0	25.49	25.37	25.35	25.49	25.42	26.1
20	16QAM	1	49	25.40	25.30	25.09	25.37	25.35	
20	16QAM	1	99	25.51	25.49	25.36	25.46	25.46	
20	16QAM	50	0	24.05	23.98	23.99	23.97	24.02	25.4
20	16QAM	50	24	24.03	23.97	23.99	23.99	24.03	
20	16QAM	50	50	24.10	23.98	23.97	24.03	24.05	
20	16QAM	100	0	24.07	24.00	23.98	24.03	24.09	
20	64QAM	1	0	24.19	23.91	24.26	24.17	24.11	25.4
20	64QAM	1	49	24.40	24.23	24.14	24.01	24.27	
20	64QAM	1	99	24.19	24.09	24.13	24.17	24.12	
20	64QAM	50	0	23.06	22.99	23.02	23.04	23.05	24.4
20	64QAM	50	24	23.06	22.97	23.00	23.04	23.03	
20	64QAM	50	50	23.09	23.00	23.01	23.06	23.04	
20	64QAM	100	0	23.06	23.04	23.01	23.04	23.08	
20	256QAM	1	0	21.32	21.23	21.42	21.38	21.25	22.4
20	256QAM	1	49	20.94	20.84	21.13	21.07	20.93	
20	256QAM	1	99	20.99	20.88	21.12	20.98	20.93	
20	256QAM	50	0	19.04	18.95	19.16	19.05	18.91	20.4
20	256QAM	50	24	18.97	18.88	19.10	19.06	18.85	
20	256QAM	50	50	18.91	18.79	19.01	18.89	18.83	
20	256QAM	100	0	18.87	18.79	19.02	18.90	18.82	
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	25.82	25.83	25.71	25.96	25.98	26.10
15	QPSK	1	37	25.77	25.81	25.76	25.81	25.75	
15	QPSK	1	74	25.93	25.76	25.67	25.88	25.81	
15	QPSK	36	0	24.85	24.85	24.95	24.88	25.07	26.1
15	QPSK	36	20	24.97	24.92	24.84	24.86	24.80	
15	QPSK	36	39	24.82	24.85	24.77	24.96	24.93	
15	QPSK	75	0	24.85	24.84	24.89	24.94	25.05	
15	16QAM	1	0	25.37	25.25	25.33	25.35	25.31	26.1
15	16QAM	1	37	25.32	25.22	25.03	25.35	25.31	
15	16QAM	1	74	25.46	25.33	25.20	25.39	25.37	
15	16QAM	36	0	23.97	23.97	23.92	23.87	24.02	25.4
15	16QAM	36	20	23.94	23.83	23.99	23.93	23.95	
15	16QAM	36	39	24.06	23.92	23.88	23.87	23.86	
15	16QAM	75	0	23.89	23.91	23.80	23.96	23.99	
15	64QAM	1	0	24.04	23.79	24.14	24.17	23.95	25.4
15	64QAM	1	37	24.27	24.03	24.13	23.98	24.27	
15	64QAM	1	74	24.17	24.08	24.09	24.13	24.08	
15	64QAM	36	0	22.99	22.97	22.94	22.84	22.98	24.4
15	64QAM	36	20	22.96	22.84	22.91	22.94	23.00	
15	64QAM	36	39	23.04	22.91	22.83	22.95	22.92	
15	64QAM	75	0	22.96	22.96	22.82	22.97	22.99	
15	256QAM	1	0	21.18	21.17	21.33	21.23	21.24	22.4
15	256QAM	1	37	20.77	20.73	21.03	20.93	20.73	
15	256QAM	1	74	20.92	20.83	20.94	20.78	20.76	
15	256QAM	36	0	18.91	18.95	19.16	18.94	18.88	20.4
15	256QAM	36	20	18.85	18.71	18.94	19.06	18.70	
15	256QAM	36	39	18.91	18.72	18.94	18.71	18.66	

15	256QAM	75	0	18.74	18.77	18.85	18.72	18.65	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.93	25.71	25.86	25.83	25.82	26.10
10	QPSK	1	25	25.84	25.86	25.81	25.84	25.74	
10	QPSK	1	49	25.88	25.81	25.77	25.87	25.72	
10	QPSK	25	0	24.85	24.97	24.96	25.04	24.98	26.1
10	QPSK	25	12	24.96	24.92	24.95	24.91	24.81	
10	QPSK	25	25	24.81	24.92	24.94	24.88	24.96	
10	QPSK	50	0	24.98	24.85	24.90	24.90	24.93	
10	16QAM	1	0	25.40	25.18	25.18	25.46	25.25	26.1
10	16QAM	1	25	25.35	25.11	24.89	25.26	25.25	
10	16QAM	1	49	25.48	25.31	25.29	25.46	25.27	
10	16QAM	25	0	24.01	23.89	23.86	23.96	23.85	25.4
10	16QAM	25	12	23.90	23.82	23.86	23.96	23.94	
10	16QAM	25	25	23.98	23.82	23.94	23.97	23.89	
10	16QAM	50	0	24.02	23.90	23.91	24.01	24.03	
10	64QAM	1	0	24.02	23.78	24.15	24.15	24.04	25.4
10	64QAM	1	25	24.34	24.04	23.97	23.91	24.12	
10	64QAM	1	49	24.01	23.93	24.10	24.01	23.96	
10	64QAM	25	0	22.99	22.89	22.93	22.93	23.02	24.4
10	64QAM	25	12	22.96	22.77	22.87	22.93	22.97	
10	64QAM	25	25	23.07	22.94	22.90	23.01	23.00	
10	64QAM	50	0	22.89	22.85	23.01	22.95	23.08	
10	256QAM	1	0	21.21	21.06	21.31	21.21	21.11	22.4
10	256QAM	1	25	20.74	20.71	21.00	21.07	20.73	
10	256QAM	1	49	20.79	20.83	20.96	20.98	20.76	
10	256QAM	25	0	18.94	18.83	18.99	19.02	18.88	20.4
10	256QAM	25	12	18.79	18.77	19.07	19.02	18.79	
10	256QAM	25	25	18.75	18.63	18.81	18.71	18.79	
10	256QAM	50	0	18.72	18.65	18.97	18.70	18.75	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.76	25.88	25.91	25.96	25.90	26.10
5	QPSK	1	12	25.75	25.77	25.85	25.89	25.82	
5	QPSK	1	24	25.81	25.74	25.77	25.75	25.87	
5	QPSK	12	0	24.96	24.99	24.79	24.84	25.04	26.1
5	QPSK	12	7	24.83	24.92	24.90	24.93	24.95	
5	QPSK	12	13	24.88	24.89	24.78	24.92	25.00	
5	QPSK	25	0	24.84	24.90	24.96	24.86	24.91	
5	16QAM	1	0	25.47	25.26	25.29	25.38	25.41	26.1
5	16QAM	1	12	25.31	25.19	24.98	25.37	25.15	
5	16QAM	1	24	25.35	25.48	25.28	25.27	25.31	
5	16QAM	12	0	23.87	23.87	23.84	23.94	23.93	25.4
5	16QAM	12	7	23.91	23.84	23.95	23.85	23.93	
5	16QAM	12	13	24.08	23.87	23.83	23.88	23.97	
5	16QAM	25	0	23.97	23.97	23.97	23.95	24.02	
5	64QAM	1	0	24.17	23.79	24.21	24.06	24.06	25.4
5	64QAM	1	12	24.23	24.23	23.97	23.91	24.09	
5	64QAM	1	24	24.05	23.89	24.13	24.09	23.98	
5	64QAM	12	0	23.03	22.85	22.96	22.84	22.87	24.4
5	64QAM	12	7	23.04	22.83	22.81	22.90	22.98	
5	64QAM	12	13	23.08	22.85	22.85	22.89	22.98	
5	64QAM	25	0	22.90	22.87	22.91	23.00	23.08	
5	256QAM	1	0	21.17	21.09	21.40	21.33	21.07	22.4
5	256QAM	1	12	20.89	20.64	20.99	20.99	20.80	
5	256QAM	1	24	20.97	20.84	20.97	20.84	20.73	
5	256QAM	12	0	18.88	18.78	18.97	18.87	18.88	20.4
5	256QAM	12	7	18.87	18.85	18.99	18.96	18.83	
5	256QAM	12	13	18.78	18.79	18.93	18.87	18.67	
5	256QAM	25	0	18.80	18.71	18.93	18.80	18.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	25.11	24.86	25.08	25.20	25.7
20	QPSK	1	49	24.99	24.75	24.95	25.06	
20	QPSK	1	99	24.81	24.51	24.70	24.79	
20	QPSK	50	0	23.05	22.89	23.01	23.13	23.7
20	QPSK	50	24	22.96	22.82	22.90	22.99	
20	QPSK	50	50	22.89	22.78	22.77	22.88	
20	QPSK	100	0	22.96	22.73	22.89	23.02	
20	16QAM	1	0	24.21	24.07	24.25	24.37	24.7
20	16QAM	1	49	24.07	23.86	24.05	24.21	
20	16QAM	1	99	23.81	23.67	23.81	23.93	
20	16QAM	50	0	22.02	21.86	21.98	22.12	22.7
20	16QAM	50	24	21.90	21.76	21.85	22.00	
20	16QAM	50	50	21.83	21.79	21.76	21.88	
20	16QAM	100	0	21.93	21.70	21.90	22.04	
20	64QAM	1	0	22.97	22.68	22.95	23.03	23.7
20	64QAM	1	49	22.75	22.32	22.70	22.77	
20	64QAM	1	99	22.68	22.26	22.52	22.57	
20	64QAM	50	0	21.01	20.77	20.97	21.13	21.7
20	64QAM	50	24	20.91	20.88	20.86	21.00	
20	64QAM	50	50	20.82	20.78	20.75	20.89	
20	64QAM	100	0	20.89	20.87	20.86	21.02	
20	256QAM	1	0	19.78	19.59	19.72	19.91	20.7
20	256QAM	1	49	19.65	19.38	19.61	19.79	
20	256QAM	1	99	19.58	19.36	19.57	19.69	
20	256QAM	50	0	19.92	19.67	19.87	20.05	20.7
20	256QAM	50	24	19.84	19.63	19.78	19.90	
20	256QAM	50	50	19.78	19.56	19.74	19.88	
20	256QAM	100	0	19.75	19.58	19.77	19.89	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	25.08	24.82	24.88	25.02	25.7
15	QPSK	1	37	24.96	24.55	24.80	24.87	
15	QPSK	1	74	24.68	24.35	24.52	24.66	
15	QPSK	36	0	22.91	22.88	22.88	23.05	23.7
15	QPSK	36	20	22.79	22.67	22.74	22.99	
15	QPSK	36	39	22.69	22.78	22.66	22.84	
15	QPSK	75	0	22.81	22.62	22.79	22.98	
15	16QAM	1	0	24.03	24.02	24.20	24.22	24.7
15	16QAM	1	37	23.97	23.72	23.85	24.12	
15	16QAM	1	74	23.63	23.54	23.72	23.74	
15	16QAM	36	0	22.01	21.71	21.89	21.99	22.7
15	16QAM	36	20	21.82	21.57	21.68	21.82	
15	16QAM	36	39	21.67	21.72	21.76	21.85	
15	16QAM	75	0	21.93	21.56	21.89	21.88	
15	64QAM	1	0	22.89	22.61	22.92	22.92	23.7
15	64QAM	1	37	22.67	22.14	22.53	22.66	
15	64QAM	1	74	22.64	22.18	22.41	22.49	
15	64QAM	36	0	20.93	20.59	20.84	21.09	21.7
15	64QAM	36	20	20.82	20.71	20.74	20.97	
15	64QAM	36	39	20.78	20.78	20.75	20.76	
15	64QAM	75	0	20.74	20.86	20.79	21.02	
15	256QAM	1	0	19.74	19.58	19.69	19.77	20.7
15	256QAM	1	37	19.59	19.24	19.53	19.60	
15	256QAM	1	74	19.54	19.28	19.52	19.54	
15	256QAM	36	0	19.82	19.61	19.77	20.05	20.7
15	256QAM	36	20	19.64	19.61	19.63	19.84	
15	256QAM	36	39	19.70	19.50	19.74	19.81	

15	256QAM	75	0	19.55	19.54	19.60	19.75	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.98	24.74	24.97	25.07	25.7
10	QPSK	1	25	24.97	24.59	24.88	25.05	
10	QPSK	1	49	24.69	24.39	24.62	24.70	
10	QPSK	25	0	22.91	22.85	22.85	23.00	23.7
10	QPSK	25	12	22.95	22.64	22.89	22.83	
10	QPSK	25	25	22.70	22.78	22.64	22.69	
10	QPSK	50	0	22.79	22.63	22.77	22.98	
10	16QAM	1	0	24.16	23.87	24.12	24.35	24.7
10	16QAM	1	25	24.06	23.80	23.92	24.20	
10	16QAM	1	49	23.63	23.49	23.61	23.73	
10	16QAM	25	0	21.92	21.73	21.90	21.98	22.7
10	16QAM	25	12	21.84	21.59	21.83	21.86	
10	16QAM	25	25	21.73	21.64	21.61	21.84	
10	16QAM	50	0	21.86	21.57	21.71	21.97	
10	64QAM	1	0	22.82	22.54	22.85	22.83	23.7
10	64QAM	1	25	22.72	22.24	22.60	22.68	
10	64QAM	1	49	22.52	22.19	22.44	22.55	
10	64QAM	25	0	20.83	20.59	20.77	21.03	21.7
10	64QAM	25	12	20.86	20.85	20.68	20.90	
10	64QAM	25	25	20.80	20.68	20.60	20.81	
10	64QAM	50	0	20.75	20.71	20.74	20.92	
10	256QAM	1	0	19.59	19.55	19.71	19.84	20.7
10	256QAM	1	25	19.56	19.19	19.48	19.73	
10	256QAM	1	49	19.55	19.27	19.38	19.54	
10	256QAM	25	0	19.76	19.52	19.85	19.92	20.7
10	256QAM	25	12	19.68	19.61	19.76	19.81	
10	256QAM	25	25	19.74	19.47	19.70	19.77	
10	256QAM	50	0	19.71	19.47	19.74	19.85	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	25.06	24.82	24.95	25.19	25.7
5	QPSK	1	12	24.93	24.55	24.91	25.06	
5	QPSK	1	24	24.75	24.34	24.62	24.59	
5	QPSK	12	0	22.97	22.82	22.96	22.94	23.7
5	QPSK	12	7	22.81	22.82	22.73	22.91	
5	QPSK	12	13	22.73	22.76	22.76	22.85	
5	QPSK	25	0	22.84	22.59	22.71	23.02	
5	16QAM	1	0	24.12	23.92	24.12	24.33	24.7
5	16QAM	1	12	24.00	23.77	23.99	24.18	
5	16QAM	1	24	23.69	23.54	23.73	23.80	
5	16QAM	12	0	21.82	21.70	21.90	22.00	22.7
5	16QAM	12	7	21.82	21.74	21.85	21.97	
5	16QAM	12	13	21.63	21.71	21.67	21.83	
5	16QAM	25	0	21.89	21.67	21.72	21.98	
5	64QAM	1	0	22.94	22.53	22.84	22.93	23.7
5	64QAM	1	12	22.69	22.18	22.60	22.62	
5	64QAM	1	24	22.61	22.20	22.35	22.37	
5	64QAM	12	0	20.87	20.67	20.84	21.01	21.7
5	64QAM	12	7	20.75	20.85	20.84	20.92	
5	64QAM	12	13	20.79	20.63	20.60	20.84	
5	64QAM	25	0	20.74	20.84	20.77	20.84	
5	256QAM	1	0	19.62	19.56	19.57	19.83	20.7
5	256QAM	1	12	19.46	19.30	19.61	19.78	
5	256QAM	1	24	19.42	19.30	19.48	19.55	
5	256QAM	12	0	19.82	19.50	19.67	19.87	20.7
5	256QAM	12	7	19.72	19.58	19.59	19.82	
5	256QAM	12	13	19.78	19.55	19.61	19.88	
5	256QAM	25	0	19.64	19.46	19.75	19.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	25.11	24.86	25.08	25.20	25.5
20	QPSK	1	49	24.99	24.75	24.95	25.06	
20	QPSK	1	99	24.81	24.51	24.70	24.79	
20	QPSK	50	0	23.05	22.89	23.01	23.13	23.7
20	QPSK	50	24	22.96	22.82	22.90	22.99	
20	QPSK	50	50	22.89	22.78	22.77	22.88	
20	QPSK	100	0	22.96	22.73	22.89	23.02	
20	16QAM	1	0	24.21	24.07	24.25	24.37	24.7
20	16QAM	1	49	24.07	23.86	24.05	24.21	
20	16QAM	1	99	23.81	23.67	23.81	23.93	
20	16QAM	50	0	22.02	21.86	21.98	22.12	22.7
20	16QAM	50	24	21.90	21.76	21.85	22.00	
20	16QAM	50	50	21.83	21.79	21.76	21.88	
20	16QAM	100	0	21.93	21.70	21.90	22.04	
20	64QAM	1	0	22.97	22.68	22.95	23.03	23.7
20	64QAM	1	49	22.75	22.32	22.70	22.77	
20	64QAM	1	99	22.68	22.26	22.52	22.57	
20	64QAM	50	0	21.01	20.77	20.97	21.13	21.7
20	64QAM	50	24	20.91	20.88	20.86	21.00	
20	64QAM	50	50	20.82	20.78	20.75	20.89	
20	64QAM	100	0	20.89	20.87	20.86	21.02	
20	256QAM	1	0	19.78	19.59	19.72	19.91	20.7
20	256QAM	1	49	19.65	19.38	19.61	19.79	
20	256QAM	1	99	19.58	19.36	19.57	19.69	
20	256QAM	50	0	19.92	19.67	19.87	20.05	20.7
20	256QAM	50	24	19.84	19.63	19.78	19.90	
20	256QAM	50	50	19.78	19.56	19.74	19.88	
20	256QAM	100	0	19.75	19.58	19.77	19.89	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	25.08	24.82	24.88	25.02	25.5
15	QPSK	1	37	24.96	24.55	24.80	24.87	
15	QPSK	1	74	24.68	24.35	24.52	24.66	
15	QPSK	36	0	22.91	22.88	22.88	23.05	23.7
15	QPSK	36	20	22.79	22.67	22.74	22.99	
15	QPSK	36	39	22.69	22.78	22.66	22.84	
15	QPSK	75	0	22.81	22.62	22.79	22.98	
15	16QAM	1	0	24.03	24.02	24.20	24.22	24.7
15	16QAM	1	37	23.97	23.72	23.85	24.12	
15	16QAM	1	74	23.63	23.54	23.72	23.74	
15	16QAM	36	0	22.01	21.71	21.89	21.99	22.7
15	16QAM	36	20	21.82	21.57	21.68	21.82	
15	16QAM	36	39	21.67	21.72	21.76	21.85	
15	16QAM	75	0	21.93	21.56	21.89	21.88	
15	64QAM	1	0	22.89	22.61	22.92	22.92	23.7
15	64QAM	1	37	22.67	22.14	22.53	22.66	
15	64QAM	1	74	22.64	22.18	22.41	22.49	
15	64QAM	36	0	20.93	20.59	20.84	21.09	21.7
15	64QAM	36	20	20.82	20.71	20.74	20.97	
15	64QAM	36	39	20.78	20.78	20.75	20.76	
15	64QAM	75	0	20.74	20.86	20.79	21.02	
15	256QAM	1	0	19.74	19.58	19.69	19.77	20.7
15	256QAM	1	37	19.59	19.24	19.53	19.60	
15	256QAM	1	74	19.54	19.28	19.52	19.54	
15	256QAM	36	0	19.82	19.61	19.77	20.05	20.7
15	256QAM	36	20	19.64	19.61	19.63	19.84	
15	256QAM	36	39	19.70	19.50	19.74	19.81	

15	256QAM	75	0	19.55	19.54	19.60	19.75	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.98	24.74	24.97	25.07	25.5
10	QPSK	1	25	24.97	24.59	24.88	25.05	
10	QPSK	1	49	24.69	24.39	24.62	24.70	
10	QPSK	25	0	22.91	22.85	22.85	23.00	23.7
10	QPSK	25	12	22.95	22.64	22.89	22.83	
10	QPSK	25	25	22.70	22.78	22.64	22.69	
10	QPSK	50	0	22.79	22.63	22.77	22.98	
10	16QAM	1	0	24.16	23.87	24.12	24.35	24.7
10	16QAM	1	25	24.06	23.80	23.92	24.20	
10	16QAM	1	49	23.63	23.49	23.61	23.73	
10	16QAM	25	0	21.92	21.73	21.90	21.98	22.7
10	16QAM	25	12	21.84	21.59	21.83	21.86	
10	16QAM	25	25	21.73	21.64	21.61	21.84	
10	16QAM	50	0	21.86	21.57	21.71	21.97	
10	64QAM	1	0	22.82	22.54	22.85	22.83	23.7
10	64QAM	1	25	22.72	22.24	22.60	22.68	
10	64QAM	1	49	22.52	22.19	22.44	22.55	
10	64QAM	25	0	20.83	20.59	20.77	21.03	21.7
10	64QAM	25	12	20.86	20.85	20.68	20.90	
10	64QAM	25	25	20.80	20.68	20.60	20.81	
10	64QAM	50	0	20.75	20.71	20.74	20.92	
10	256QAM	1	0	19.59	19.55	19.71	19.84	20.7
10	256QAM	1	25	19.56	19.19	19.48	19.73	
10	256QAM	1	49	19.55	19.27	19.38	19.54	
10	256QAM	25	0	19.76	19.52	19.85	19.92	20.7
10	256QAM	25	12	19.68	19.61	19.76	19.81	
10	256QAM	25	25	19.74	19.47	19.70	19.77	
10	256QAM	50	0	19.71	19.47	19.74	19.85	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	25.06	24.82	24.95	25.19	25.5
5	QPSK	1	12	24.93	24.55	24.91	25.06	
5	QPSK	1	24	24.75	24.34	24.62	24.59	
5	QPSK	12	0	22.97	22.82	22.96	22.94	23.7
5	QPSK	12	7	22.81	22.82	22.73	22.91	
5	QPSK	12	13	22.73	22.76	22.76	22.85	
5	QPSK	25	0	22.84	22.59	22.71	23.02	
5	16QAM	1	0	24.12	23.92	24.12	24.33	24.7
5	16QAM	1	12	24.00	23.77	23.99	24.18	
5	16QAM	1	24	23.69	23.54	23.73	23.80	
5	16QAM	12	0	21.82	21.70	21.90	22.00	22.7
5	16QAM	12	7	21.82	21.74	21.85	21.97	
5	16QAM	12	13	21.63	21.71	21.67	21.83	
5	16QAM	25	0	21.89	21.67	21.72	21.98	
5	64QAM	1	0	22.94	22.53	22.84	22.93	23.7
5	64QAM	1	12	22.69	22.18	22.60	22.62	
5	64QAM	1	24	22.61	22.20	22.35	22.37	
5	64QAM	12	0	20.87	20.67	20.84	21.01	21.7
5	64QAM	12	7	20.75	20.85	20.84	20.92	
5	64QAM	12	13	20.79	20.63	20.60	20.84	
5	64QAM	25	0	20.74	20.84	20.77	20.84	
5	256QAM	1	0	19.62	19.56	19.57	19.83	20.7
5	256QAM	1	12	19.46	19.30	19.61	19.78	
5	256QAM	1	24	19.42	19.30	19.48	19.55	
5	256QAM	12	0	19.82	19.50	19.67	19.87	20.7
5	256QAM	12	7	19.72	19.58	19.59	19.82	
5	256QAM	12	13	19.78	19.55	19.61	19.88	
5	256QAM	25	0	19.64	19.46	19.75	19.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	25.11	24.86	25.08	25.20	25.7
20	QPSK	1	49	24.99	24.75	24.95	25.06	
20	QPSK	1	99	24.81	24.51	24.70	24.79	
20	QPSK	50	0	23.05	22.89	23.01	23.13	23.7
20	QPSK	50	24	22.96	22.82	22.90	22.99	
20	QPSK	50	50	22.89	22.78	22.77	22.88	
20	QPSK	100	0	22.96	22.73	22.89	23.02	
20	16QAM	1	0	24.21	24.07	24.25	24.37	24.7
20	16QAM	1	49	24.07	23.86	24.05	24.21	
20	16QAM	1	99	23.81	23.67	23.81	23.93	
20	16QAM	50	0	22.02	21.86	21.98	22.12	22.7
20	16QAM	50	24	21.90	21.76	21.85	22.00	
20	16QAM	50	50	21.83	21.79	21.76	21.88	
20	16QAM	100	0	21.93	21.70	21.90	22.04	
20	64QAM	1	0	22.97	22.68	22.95	23.03	23.7
20	64QAM	1	49	22.75	22.32	22.70	22.77	
20	64QAM	1	99	22.68	22.26	22.52	22.57	
20	64QAM	50	0	21.01	20.77	20.97	21.13	21.7
20	64QAM	50	24	20.91	20.88	20.86	21.00	
20	64QAM	50	50	20.82	20.78	20.75	20.89	
20	64QAM	100	0	20.89	20.87	20.86	21.02	
20	256QAM	1	0	19.78	19.59	19.72	19.91	20.7
20	256QAM	1	49	19.65	19.38	19.61	19.79	
20	256QAM	1	99	19.58	19.36	19.57	19.69	
20	256QAM	50	0	19.92	19.67	19.87	20.05	20.7
20	256QAM	50	24	19.84	19.63	19.78	19.90	
20	256QAM	50	50	19.78	19.56	19.74	19.88	
20	256QAM	100	0	19.75	19.58	19.77	19.89	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	25.08	24.82	24.88	25.02	25.7
15	QPSK	1	37	24.96	24.55	24.80	24.87	
15	QPSK	1	74	24.68	24.35	24.52	24.66	
15	QPSK	36	0	22.91	22.88	22.88	23.05	23.7
15	QPSK	36	20	22.79	22.67	22.74	22.99	
15	QPSK	36	39	22.69	22.78	22.66	22.84	
15	QPSK	75	0	22.81	22.62	22.79	22.98	
15	16QAM	1	0	24.03	24.02	24.20	24.22	24.7
15	16QAM	1	37	23.97	23.72	23.85	24.12	
15	16QAM	1	74	23.63	23.54	23.72	23.74	
15	16QAM	36	0	22.01	21.71	21.89	21.99	22.7
15	16QAM	36	20	21.82	21.57	21.68	21.82	
15	16QAM	36	39	21.67	21.72	21.76	21.85	
15	16QAM	75	0	21.93	21.56	21.89	21.88	
15	64QAM	1	0	22.89	22.61	22.92	22.92	23.7
15	64QAM	1	37	22.67	22.14	22.53	22.66	
15	64QAM	1	74	22.64	22.18	22.41	22.49	
15	64QAM	36	0	20.93	20.59	20.84	21.09	21.7
15	64QAM	36	20	20.82	20.71	20.74	20.97	
15	64QAM	36	39	20.78	20.78	20.75	20.76	
15	64QAM	75	0	20.74	20.86	20.79	21.02	
15	256QAM	1	0	19.74	19.58	19.69	19.77	20.7
15	256QAM	1	37	19.59	19.24	19.53	19.60	
15	256QAM	1	74	19.54	19.28	19.52	19.54	
15	256QAM	36	0	19.82	19.61	19.77	20.05	20.7
15	256QAM	36	20	19.64	19.61	19.63	19.84	
15	256QAM	36	39	19.70	19.50	19.74	19.81	

15	256QAM	75	0	19.55	19.54	19.60	19.75	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.98	24.74	24.97	25.07	25.7
10	QPSK	1	25	24.97	24.59	24.88	25.05	
10	QPSK	1	49	24.69	24.39	24.62	24.70	
10	QPSK	25	0	22.91	22.85	22.85	23.00	23.7
10	QPSK	25	12	22.95	22.64	22.89	22.83	
10	QPSK	25	25	22.70	22.78	22.64	22.69	
10	QPSK	50	0	22.79	22.63	22.77	22.98	
10	16QAM	1	0	24.16	23.87	24.12	24.35	24.7
10	16QAM	1	25	24.06	23.80	23.92	24.20	
10	16QAM	1	49	23.63	23.49	23.61	23.73	
10	16QAM	25	0	21.92	21.73	21.90	21.98	22.7
10	16QAM	25	12	21.84	21.59	21.83	21.86	
10	16QAM	25	25	21.73	21.64	21.61	21.84	
10	16QAM	50	0	21.86	21.57	21.71	21.97	
10	64QAM	1	0	22.82	22.54	22.85	22.83	23.7
10	64QAM	1	25	22.72	22.24	22.60	22.68	
10	64QAM	1	49	22.52	22.19	22.44	22.55	
10	64QAM	25	0	20.83	20.59	20.77	21.03	21.7
10	64QAM	25	12	20.86	20.85	20.68	20.90	
10	64QAM	25	25	20.80	20.68	20.60	20.81	
10	64QAM	50	0	20.75	20.71	20.74	20.92	
10	256QAM	1	0	19.59	19.55	19.71	19.84	20.7
10	256QAM	1	25	19.56	19.19	19.48	19.73	
10	256QAM	1	49	19.55	19.27	19.38	19.54	
10	256QAM	25	0	19.76	19.52	19.85	19.92	20.7
10	256QAM	25	12	19.68	19.61	19.76	19.81	
10	256QAM	25	25	19.74	19.47	19.70	19.77	
10	256QAM	50	0	19.71	19.47	19.74	19.85	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	25.06	24.82	24.95	25.19	25.7
5	QPSK	1	12	24.93	24.55	24.91	25.06	
5	QPSK	1	24	24.75	24.34	24.62	24.59	
5	QPSK	12	0	22.97	22.82	22.96	22.94	23.7
5	QPSK	12	7	22.81	22.82	22.73	22.91	
5	QPSK	12	13	22.73	22.76	22.76	22.85	
5	QPSK	25	0	22.84	22.59	22.71	23.02	
5	16QAM	1	0	24.12	23.92	24.12	24.33	24.7
5	16QAM	1	12	24.00	23.77	23.99	24.18	
5	16QAM	1	24	23.69	23.54	23.73	23.80	
5	16QAM	12	0	21.82	21.70	21.90	22.00	22.7
5	16QAM	12	7	21.82	21.74	21.85	21.97	
5	16QAM	12	13	21.63	21.71	21.67	21.83	
5	16QAM	25	0	21.89	21.67	21.72	21.98	
5	64QAM	1	0	22.94	22.53	22.84	22.93	23.7
5	64QAM	1	12	22.69	22.18	22.60	22.62	
5	64QAM	1	24	22.61	22.20	22.35	22.37	
5	64QAM	12	0	20.87	20.67	20.84	21.01	21.7
5	64QAM	12	7	20.75	20.85	20.84	20.92	
5	64QAM	12	13	20.79	20.63	20.60	20.84	
5	64QAM	25	0	20.74	20.84	20.77	20.84	
5	256QAM	1	0	19.62	19.56	19.57	19.83	20.7
5	256QAM	1	12	19.46	19.30	19.61	19.78	
5	256QAM	1	24	19.42	19.30	19.48	19.55	
5	256QAM	12	0	19.82	19.50	19.67	19.87	20.7
5	256QAM	12	7	19.72	19.58	19.59	19.82	
5	256QAM	12	13	19.78	19.55	19.61	19.88	
5	256QAM	25	0	19.64	19.46	19.75	19.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	25.11	24.86	25.08	25.20	25.5
20	QPSK	1	49	24.99	24.75	24.95	25.06	
20	QPSK	1	99	24.81	24.51	24.70	24.79	
20	QPSK	50	0	23.05	22.89	23.01	23.13	23.7
20	QPSK	50	24	22.96	22.82	22.90	22.99	
20	QPSK	50	50	22.89	22.78	22.77	22.88	
20	QPSK	100	0	22.96	22.73	22.89	23.02	
20	16QAM	1	0	24.21	24.07	24.25	24.37	24.7
20	16QAM	1	49	24.07	23.86	24.05	24.21	
20	16QAM	1	99	23.81	23.67	23.81	23.93	
20	16QAM	50	0	22.02	21.86	21.98	22.12	22.7
20	16QAM	50	24	21.90	21.76	21.85	22.00	
20	16QAM	50	50	21.83	21.79	21.76	21.88	
20	16QAM	100	0	21.93	21.70	21.90	22.04	
20	64QAM	1	0	22.97	22.68	22.95	23.03	23.7
20	64QAM	1	49	22.75	22.32	22.70	22.77	
20	64QAM	1	99	22.68	22.26	22.52	22.57	
20	64QAM	50	0	21.01	20.77	20.97	21.13	21.7
20	64QAM	50	24	20.91	20.88	20.86	21.00	
20	64QAM	50	50	20.82	20.78	20.75	20.89	
20	64QAM	100	0	20.89	20.87	20.86	21.02	
20	256QAM	1	0	19.78	19.59	19.72	19.91	20.7
20	256QAM	1	49	19.65	19.38	19.61	19.79	
20	256QAM	1	99	19.58	19.36	19.57	19.69	
20	256QAM	50	0	19.92	19.67	19.87	20.05	20.7
20	256QAM	50	24	19.84	19.63	19.78	19.90	
20	256QAM	50	50	19.78	19.56	19.74	19.88	
20	256QAM	100	0	19.75	19.58	19.77	19.89	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	25.08	24.82	24.88	25.02	25.5
15	QPSK	1	37	24.96	24.55	24.80	24.87	
15	QPSK	1	74	24.68	24.35	24.52	24.66	
15	QPSK	36	0	22.91	22.88	22.88	23.05	23.7
15	QPSK	36	20	22.79	22.67	22.74	22.99	
15	QPSK	36	39	22.69	22.78	22.66	22.84	
15	QPSK	75	0	22.81	22.62	22.79	22.98	
15	16QAM	1	0	24.03	24.02	24.20	24.22	24.7
15	16QAM	1	37	23.97	23.72	23.85	24.12	
15	16QAM	1	74	23.63	23.54	23.72	23.74	
15	16QAM	36	0	22.01	21.71	21.89	21.99	22.7
15	16QAM	36	20	21.82	21.57	21.68	21.82	
15	16QAM	36	39	21.67	21.72	21.76	21.85	
15	16QAM	75	0	21.93	21.56	21.89	21.88	
15	64QAM	1	0	22.89	22.61	22.92	22.92	23.7
15	64QAM	1	37	22.67	22.14	22.53	22.66	
15	64QAM	1	74	22.64	22.18	22.41	22.49	
15	64QAM	36	0	20.93	20.59	20.84	21.09	21.7
15	64QAM	36	20	20.82	20.71	20.74	20.97	
15	64QAM	36	39	20.78	20.78	20.75	20.76	
15	64QAM	75	0	20.74	20.86	20.79	21.02	
15	256QAM	1	0	19.74	19.58	19.69	19.77	20.7
15	256QAM	1	37	19.59	19.24	19.53	19.60	
15	256QAM	1	74	19.54	19.28	19.52	19.54	
15	256QAM	36	0	19.82	19.61	19.77	20.05	20.7
15	256QAM	36	20	19.64	19.61	19.63	19.84	
15	256QAM	36	39	19.70	19.50	19.74	19.81	

15	256QAM	75	0	19.55	19.54	19.60	19.75	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.98	24.74	24.97	25.07	25.5
10	QPSK	1	25	24.97	24.59	24.88	25.05	
10	QPSK	1	49	24.69	24.39	24.62	24.70	
10	QPSK	25	0	22.91	22.85	22.85	23.00	23.7
10	QPSK	25	12	22.95	22.64	22.89	22.83	
10	QPSK	25	25	22.70	22.78	22.64	22.69	
10	QPSK	50	0	22.79	22.63	22.77	22.98	
10	16QAM	1	0	24.16	23.87	24.12	24.35	24.7
10	16QAM	1	25	24.06	23.80	23.92	24.20	
10	16QAM	1	49	23.63	23.49	23.61	23.73	
10	16QAM	25	0	21.92	21.73	21.90	21.98	22.7
10	16QAM	25	12	21.84	21.59	21.83	21.86	
10	16QAM	25	25	21.73	21.64	21.61	21.84	
10	16QAM	50	0	21.86	21.57	21.71	21.97	
10	64QAM	1	0	22.82	22.54	22.85	22.83	23.7
10	64QAM	1	25	22.72	22.24	22.60	22.68	
10	64QAM	1	49	22.52	22.19	22.44	22.55	
10	64QAM	25	0	20.83	20.59	20.77	21.03	21.7
10	64QAM	25	12	20.86	20.85	20.68	20.90	
10	64QAM	25	25	20.80	20.68	20.60	20.81	
10	64QAM	50	0	20.75	20.71	20.74	20.92	
10	256QAM	1	0	19.59	19.55	19.71	19.84	20.7
10	256QAM	1	25	19.56	19.19	19.48	19.73	
10	256QAM	1	49	19.55	19.27	19.38	19.54	
10	256QAM	25	0	19.76	19.52	19.85	19.92	20.7
10	256QAM	25	12	19.68	19.61	19.76	19.81	
10	256QAM	25	25	19.74	19.47	19.70	19.77	
10	256QAM	50	0	19.71	19.47	19.74	19.85	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	25.06	24.82	24.95	25.19	25.5
5	QPSK	1	12	24.93	24.55	24.91	25.06	
5	QPSK	1	24	24.75	24.34	24.62	24.59	
5	QPSK	12	0	22.97	22.82	22.96	22.94	23.7
5	QPSK	12	7	22.81	22.82	22.73	22.91	
5	QPSK	12	13	22.73	22.76	22.76	22.85	
5	QPSK	25	0	22.84	22.59	22.71	23.02	
5	16QAM	1	0	24.12	23.92	24.12	24.33	24.7
5	16QAM	1	12	24.00	23.77	23.99	24.18	
5	16QAM	1	24	23.69	23.54	23.73	23.80	
5	16QAM	12	0	21.82	21.70	21.90	22.00	22.7
5	16QAM	12	7	21.82	21.74	21.85	21.97	
5	16QAM	12	13	21.63	21.71	21.67	21.83	
5	16QAM	25	0	21.89	21.67	21.72	21.98	
5	64QAM	1	0	22.94	22.53	22.84	22.93	23.7
5	64QAM	1	12	22.69	22.18	22.60	22.62	
5	64QAM	1	24	22.61	22.20	22.35	22.37	
5	64QAM	12	0	20.87	20.67	20.84	21.01	21.7
5	64QAM	12	7	20.75	20.85	20.84	20.92	
5	64QAM	12	13	20.79	20.63	20.60	20.84	
5	64QAM	25	0	20.74	20.84	20.77	20.84	
5	256QAM	1	0	19.62	19.56	19.57	19.83	20.7
5	256QAM	1	12	19.46	19.30	19.61	19.78	
5	256QAM	1	24	19.42	19.30	19.48	19.55	
5	256QAM	12	0	19.82	19.50	19.67	19.87	20.7
5	256QAM	12	7	19.72	19.58	19.59	19.82	
5	256QAM	12	13	19.78	19.55	19.61	19.88	
5	256QAM	25	0	19.64	19.46	19.75	19.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	25.11	24.86	25.08	25.20	25.7
20	QPSK	1	49	24.99	24.75	24.95	25.06	
20	QPSK	1	99	24.81	24.51	24.70	24.79	
20	QPSK	50	0	23.05	22.89	23.01	23.13	23.7
20	QPSK	50	24	22.96	22.82	22.90	22.99	
20	QPSK	50	50	22.89	22.78	22.77	22.88	
20	QPSK	100	0	22.96	22.73	22.89	23.02	
20	16QAM	1	0	24.21	24.07	24.25	24.37	24.7
20	16QAM	1	49	24.07	23.86	24.05	24.21	
20	16QAM	1	99	23.81	23.67	23.81	23.93	
20	16QAM	50	0	22.02	21.86	21.98	22.12	22.7
20	16QAM	50	24	21.90	21.76	21.85	22.00	
20	16QAM	50	50	21.83	21.79	21.76	21.88	
20	16QAM	100	0	21.93	21.70	21.90	22.04	
20	64QAM	1	0	22.97	22.68	22.95	23.03	23.7
20	64QAM	1	49	22.75	22.32	22.70	22.77	
20	64QAM	1	99	22.68	22.26	22.52	22.57	
20	64QAM	50	0	21.01	20.77	20.97	21.13	21.7
20	64QAM	50	24	20.91	20.88	20.86	21.00	
20	64QAM	50	50	20.82	20.78	20.75	20.89	
20	64QAM	100	0	20.89	20.87	20.86	21.02	
20	256QAM	1	0	19.78	19.59	19.72	19.91	20.7
20	256QAM	1	49	19.65	19.38	19.61	19.79	
20	256QAM	1	99	19.58	19.36	19.57	19.69	
20	256QAM	50	0	19.92	19.67	19.87	20.05	20.7
20	256QAM	50	24	19.84	19.63	19.78	19.90	
20	256QAM	50	50	19.78	19.56	19.74	19.88	
20	256QAM	100	0	19.75	19.58	19.77	19.89	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	25.08	24.82	24.88	25.02	25.7
15	QPSK	1	37	24.96	24.55	24.80	24.87	
15	QPSK	1	74	24.68	24.35	24.52	24.66	
15	QPSK	36	0	22.91	22.88	22.88	23.05	23.7
15	QPSK	36	20	22.79	22.67	22.74	22.99	
15	QPSK	36	39	22.69	22.78	22.66	22.84	
15	QPSK	75	0	22.81	22.62	22.79	22.98	
15	16QAM	1	0	24.03	24.02	24.20	24.22	24.7
15	16QAM	1	37	23.97	23.72	23.85	24.12	
15	16QAM	1	74	23.63	23.54	23.72	23.74	
15	16QAM	36	0	22.01	21.71	21.89	21.99	22.7
15	16QAM	36	20	21.82	21.57	21.68	21.82	
15	16QAM	36	39	21.67	21.72	21.76	21.85	
15	16QAM	75	0	21.93	21.56	21.89	21.88	
15	64QAM	1	0	22.89	22.61	22.92	22.92	23.7
15	64QAM	1	37	22.67	22.14	22.53	22.66	
15	64QAM	1	74	22.64	22.18	22.41	22.49	
15	64QAM	36	0	20.93	20.59	20.84	21.09	21.7
15	64QAM	36	20	20.82	20.71	20.74	20.97	
15	64QAM	36	39	20.78	20.78	20.75	20.76	
15	64QAM	75	0	20.74	20.86	20.79	21.02	
15	256QAM	1	0	19.74	19.58	19.69	19.77	20.7
15	256QAM	1	37	19.59	19.24	19.53	19.60	
15	256QAM	1	74	19.54	19.28	19.52	19.54	
15	256QAM	36	0	19.82	19.61	19.77	20.05	20.7
15	256QAM	36	20	19.64	19.61	19.63	19.84	
15	256QAM	36	39	19.70	19.50	19.74	19.81	

15	256QAM	75	0	19.55	19.54	19.60	19.75	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.98	24.74	24.97	25.07	25.7
10	QPSK	1	25	24.97	24.59	24.88	25.05	
10	QPSK	1	49	24.69	24.39	24.62	24.70	
10	QPSK	25	0	22.91	22.85	22.85	23.00	23.7
10	QPSK	25	12	22.95	22.64	22.89	22.83	
10	QPSK	25	25	22.70	22.78	22.64	22.69	
10	QPSK	50	0	22.79	22.63	22.77	22.98	
10	16QAM	1	0	24.16	23.87	24.12	24.35	24.7
10	16QAM	1	25	24.06	23.80	23.92	24.20	
10	16QAM	1	49	23.63	23.49	23.61	23.73	
10	16QAM	25	0	21.92	21.73	21.90	21.98	22.7
10	16QAM	25	12	21.84	21.59	21.83	21.86	
10	16QAM	25	25	21.73	21.64	21.61	21.84	
10	16QAM	50	0	21.86	21.57	21.71	21.97	
10	64QAM	1	0	22.82	22.54	22.85	22.83	23.7
10	64QAM	1	25	22.72	22.24	22.60	22.68	
10	64QAM	1	49	22.52	22.19	22.44	22.55	
10	64QAM	25	0	20.83	20.59	20.77	21.03	21.7
10	64QAM	25	12	20.86	20.85	20.68	20.90	
10	64QAM	25	25	20.80	20.68	20.60	20.81	
10	64QAM	50	0	20.75	20.71	20.74	20.92	
10	256QAM	1	0	19.59	19.55	19.71	19.84	20.7
10	256QAM	1	25	19.56	19.19	19.48	19.73	
10	256QAM	1	49	19.55	19.27	19.38	19.54	
10	256QAM	25	0	19.76	19.52	19.85	19.92	20.7
10	256QAM	25	12	19.68	19.61	19.76	19.81	
10	256QAM	25	25	19.74	19.47	19.70	19.77	
10	256QAM	50	0	19.71	19.47	19.74	19.85	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	25.06	24.82	24.95	25.19	25.7
5	QPSK	1	12	24.93	24.55	24.91	25.06	
5	QPSK	1	24	24.75	24.34	24.62	24.59	
5	QPSK	12	0	22.97	22.82	22.96	22.94	23.7
5	QPSK	12	7	22.81	22.82	22.73	22.91	
5	QPSK	12	13	22.73	22.76	22.76	22.85	
5	QPSK	25	0	22.84	22.59	22.71	23.02	
5	16QAM	1	0	24.12	23.92	24.12	24.33	24.7
5	16QAM	1	12	24.00	23.77	23.99	24.18	
5	16QAM	1	24	23.69	23.54	23.73	23.80	
5	16QAM	12	0	21.82	21.70	21.90	22.00	22.7
5	16QAM	12	7	21.82	21.74	21.85	21.97	
5	16QAM	12	13	21.63	21.71	21.67	21.83	
5	16QAM	25	0	21.89	21.67	21.72	21.98	
5	64QAM	1	0	22.94	22.53	22.84	22.93	23.7
5	64QAM	1	12	22.69	22.18	22.60	22.62	
5	64QAM	1	24	22.61	22.20	22.35	22.37	
5	64QAM	12	0	20.87	20.67	20.84	21.01	21.7
5	64QAM	12	7	20.75	20.85	20.84	20.92	
5	64QAM	12	13	20.79	20.63	20.60	20.84	
5	64QAM	25	0	20.74	20.84	20.77	20.84	
5	256QAM	1	0	19.62	19.56	19.57	19.83	20.7
5	256QAM	1	12	19.46	19.30	19.61	19.78	
5	256QAM	1	24	19.42	19.30	19.48	19.55	
5	256QAM	12	0	19.82	19.50	19.67	19.87	20.7
5	256QAM	12	7	19.72	19.58	19.59	19.82	
5	256QAM	12	13	19.78	19.55	19.61	19.88	
5	256QAM	25	0	19.64	19.46	19.75	19.76	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.93	21.79	21.96	22.08	22.2
20	QPSK	1	49	21.88	21.62	21.87	22.07	
20	QPSK	1	99	21.81	21.79	21.86	21.89	
20	QPSK	50	0	21.79	21.60	21.93	21.89	22.2
20	QPSK	50	24	21.78	21.74	21.77	21.91	
20	QPSK	50	50	21.77	21.75	21.77	21.95	
20	QPSK	100	0	21.85	21.64	21.89	21.91	
20	16QAM	1	0	21.93	21.70	21.83	21.88	22.2
20	16QAM	1	49	21.86	21.62	21.83	21.88	
20	16QAM	1	99	21.75	21.62	21.95	22.01	
20	16QAM	50	0	21.88	21.72	21.85	22.02	22.2
20	16QAM	50	24	21.90	21.62	21.87	22.02	
20	16QAM	50	50	21.76	21.62	21.85	22.05	
20	16QAM	100	0	21.79	21.77	21.80	22.06	
20	64QAM	1	0	21.92	21.61	21.78	21.92	22.2
20	64QAM	1	49	21.89	21.77	21.95	21.99	
20	64QAM	1	99	21.77	21.73	21.93	21.92	
20	64QAM	50	0	21.04	20.84	20.93	21.13	22.2
20	64QAM	50	24	20.82	20.78	20.96	21.10	
20	64QAM	50	50	20.91	20.68	20.80	20.89	
20	64QAM	100	0	20.81	20.81	20.90	21.08	
20	256QAM	1	0	19.78	19.58	19.79	19.88	21.5
20	256QAM	1	49	19.63	19.57	19.60	19.85	
20	256QAM	1	99	19.52	19.50	19.68	19.64	
20	256QAM	50	0	19.93	19.72	19.81	19.95	21.5
20	256QAM	50	24	19.86	19.72	19.88	19.80	
20	256QAM	50	50	19.82	19.54	19.81	19.91	
20	256QAM	100	0	19.75	19.61	19.86	19.90	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.81	21.65	21.81	21.90	22.2
15	QPSK	1	37	21.84	21.61	21.87	21.98	
15	QPSK	1	74	21.72	21.70	21.71	21.79	
15	QPSK	36	0	21.61	21.51	21.81	21.83	22.2
15	QPSK	36	20	21.60	21.71	21.72	21.72	
15	QPSK	36	39	21.73	21.55	21.59	21.83	
15	QPSK	75	0	21.81	21.46	21.79	21.71	
15	16QAM	1	0	21.80	21.60	21.75	21.74	22.2
15	16QAM	1	37	21.69	21.52	21.74	21.83	
15	16QAM	1	74	21.66	21.53	21.78	21.91	
15	16QAM	36	0	21.85	21.69	21.80	21.97	22.2
15	16QAM	36	20	21.86	21.52	21.86	21.84	
15	16QAM	36	39	21.65	21.44	21.68	22.02	
15	16QAM	75	0	21.63	21.66	21.70	21.99	
15	64QAM	1	0	21.89	21.54	21.66	21.88	22.2
15	64QAM	1	37	21.81	21.57	21.82	21.80	
15	64QAM	1	74	21.58	21.54	21.87	21.81	
15	64QAM	36	0	20.99	20.70	20.73	21.07	22.2
15	64QAM	36	20	20.79	20.78	20.96	21.07	
15	64QAM	36	39	20.76	20.55	20.68	20.76	
15	64QAM	75	0	20.68	20.80	20.75	21.06	
15	256QAM	1	0	19.74	19.62	19.73	19.77	21.5
15	256QAM	1	37	19.50	19.57	19.51	19.85	
15	256QAM	1	74	19.57	19.53	19.63	19.52	
15	256QAM	36	0	19.76	19.60	19.76	19.81	21.5
15	256QAM	36	20	19.70	19.72	19.70	19.75	
15	256QAM	36	39	19.73	19.68	19.73	19.89	

15	256QAM	75	0	19.75	19.57	19.67	19.76	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.86	21.76	21.85	21.89	22.2
10	QPSK	1	25	21.72	21.61	21.81	22.02	
10	QPSK	1	49	21.75	21.75	21.74	21.78	
10	QPSK	25	0	21.77	21.52	21.81	21.83	22.2
10	QPSK	25	12	21.76	21.72	21.68	21.80	
10	QPSK	25	25	21.68	21.67	21.76	21.78	
10	QPSK	50	0	21.81	21.61	21.82	21.75	
10	16QAM	1	0	21.86	21.52	21.77	21.84	22.2
10	16QAM	1	25	21.85	21.42	21.83	21.79	
10	16QAM	1	49	21.62	21.59	21.83	21.96	
10	16QAM	25	0	21.87	21.64	21.76	21.99	22.2
10	16QAM	25	12	21.78	21.44	21.87	21.86	
10	16QAM	25	25	21.75	21.50	21.76	21.90	
10	16QAM	50	0	21.69	21.63	21.68	21.90	
10	64QAM	1	0	21.86	21.46	21.59	21.91	22.2
10	64QAM	1	25	21.74	21.58	21.83	21.91	
10	64QAM	1	49	21.75	21.63	21.77	21.84	
10	64QAM	25	0	20.89	20.77	20.83	21.02	22.2
10	64QAM	25	12	20.69	20.67	20.79	21.05	
10	64QAM	25	25	20.73	20.63	20.77	20.71	
10	64QAM	50	0	20.68	20.80	20.77	21.06	
10	256QAM	1	0	19.63	19.54	19.65	19.69	21.5
10	256QAM	1	25	19.64	19.60	19.68	19.65	
10	256QAM	1	49	19.60	19.56	19.68	19.58	
10	256QAM	25	0	19.90	19.62	19.71	19.94	21.5
10	256QAM	25	12	19.84	19.60	19.81	19.63	
10	256QAM	25	25	19.75	19.64	19.62	19.73	
10	256QAM	50	0	19.67	19.59	19.68	19.88	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.93	21.70	21.78	21.88	22.2
5	QPSK	1	12	21.82	21.52	21.67	21.99	
5	QPSK	1	24	21.76	21.67	21.84	21.72	
5	QPSK	12	0	21.63	21.47	21.77	21.84	22.2
5	QPSK	12	7	21.74	21.62	21.59	21.84	
5	QPSK	12	13	21.66	21.57	21.60	21.92	
5	QPSK	25	0	21.69	21.57	21.80	21.82	
5	16QAM	1	0	21.77	21.60	21.77	21.79	22.2
5	16QAM	1	12	21.77	21.61	21.77	21.85	
5	16QAM	1	24	21.71	21.50	21.90	21.87	
5	16QAM	12	0	21.83	21.55	21.71	21.97	22.2
5	16QAM	12	7	21.87	21.56	21.69	21.92	
5	16QAM	12	13	21.70	21.44	21.83	21.97	
5	16QAM	25	0	21.71	21.71	21.78	21.91	
5	64QAM	1	0	21.81	21.56	21.67	21.77	22.2
5	64QAM	1	12	21.78	21.73	21.94	21.98	
5	64QAM	1	24	21.77	21.53	21.80	21.86	
5	64QAM	12	0	20.94	20.78	20.92	20.97	22.2
5	64QAM	12	7	20.73	20.73	20.96	20.95	
5	64QAM	12	13	20.78	20.62	20.65	20.72	
5	64QAM	25	0	20.68	20.64	20.76	21.02	
5	256QAM	1	0	19.78	19.53	19.66	19.74	21.5
5	256QAM	1	12	19.59	19.64	19.54	19.76	
5	256QAM	1	24	19.59	19.56	19.63	19.60	
5	256QAM	12	0	19.87	19.64	19.79	19.86	21.5
5	256QAM	12	7	19.72	19.60	19.82	19.63	
5	256QAM	12	13	19.71	19.66	19.69	19.84	
5	256QAM	25	0	19.75	19.50	19.85	19.84	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.93	21.79	21.96	22.08	23
20	QPSK	1	49	21.88	21.62	21.87	22.07	
20	QPSK	1	99	21.81	21.79	21.86	21.89	
20	QPSK	50	0	21.79	21.60	21.88	21.89	23
20	QPSK	50	24	21.78	21.74	21.77	21.88	
20	QPSK	50	50	21.77	21.75	21.77	21.85	
20	QPSK	100	0	21.85	21.64	21.89	21.91	
20	16QAM	1	0	21.93	21.70	21.83	21.88	23
20	16QAM	1	49	21.86	21.62	21.83	21.88	
20	16QAM	1	99	21.75	21.62	21.95	22.01	
20	16QAM	50	0	21.88	21.72	21.85	22.02	23
20	16QAM	50	24	21.90	21.62	21.87	22.02	
20	16QAM	50	50	21.76	21.62	21.85	22.05	
20	16QAM	100	0	21.79	21.77	21.80	22.06	
20	64QAM	1	0	21.92	21.61	21.78	21.92	23
20	64QAM	1	49	21.89	21.77	21.95	21.99	
20	64QAM	1	99	21.77	21.73	21.93	21.92	
20	64QAM	50	0	21.04	20.84	20.93	21.13	22.5
20	64QAM	50	24	20.82	20.78	20.96	21.10	
20	64QAM	50	50	20.91	20.68	20.80	20.89	
20	64QAM	100	0	20.81	20.81	20.90	21.08	
20	256QAM	1	0	19.78	19.58	19.79	19.88	21.5
20	256QAM	1	49	19.63	19.57	19.60	19.85	
20	256QAM	1	99	19.52	19.50	19.68	19.64	
20	256QAM	50	0	19.93	19.72	19.81	19.95	21.5
20	256QAM	50	24	19.86	19.72	19.88	19.80	
20	256QAM	50	50	19.82	19.54	19.81	19.91	
20	256QAM	100	0	19.75	19.61	19.86	19.90	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.81	21.65	21.81	21.90	23
15	QPSK	1	37	21.84	21.61	21.87	21.98	
15	QPSK	1	74	21.72	21.70	21.71	21.79	
15	QPSK	36	0	21.61	21.51	21.81	21.83	23
15	QPSK	36	20	21.60	21.71	21.72	21.72	
15	QPSK	36	39	21.73	21.55	21.59	21.83	
15	QPSK	75	0	21.81	21.46	21.79	21.71	
15	16QAM	1	0	21.80	21.60	21.75	21.74	23
15	16QAM	1	37	21.69	21.52	21.74	21.83	
15	16QAM	1	74	21.66	21.53	21.78	21.91	
15	16QAM	36	0	21.85	21.69	21.80	21.97	23
15	16QAM	36	20	21.86	21.52	21.86	21.84	
15	16QAM	36	39	21.65	21.44	21.68	22.02	
15	16QAM	75	0	21.63	21.66	21.70	21.99	
15	64QAM	1	0	21.89	21.54	21.66	21.88	23
15	64QAM	1	37	21.81	21.57	21.82	21.80	
15	64QAM	1	74	21.58	21.54	21.87	21.81	
15	64QAM	36	0	20.99	20.70	20.73	21.07	22.5
15	64QAM	36	20	20.79	20.78	20.96	21.07	
15	64QAM	36	39	20.76	20.55	20.68	20.76	
15	64QAM	75	0	20.68	20.80	20.75	21.06	
15	256QAM	1	0	19.74	19.62	19.73	19.77	21.5
15	256QAM	1	37	19.50	19.57	19.51	19.85	
15	256QAM	1	74	19.57	19.53	19.63	19.52	
15	256QAM	36	0	19.76	19.60	19.76	19.81	21.5
15	256QAM	36	20	19.70	19.72	19.70	19.75	
15	256QAM	36	39	19.73	19.68	19.73	19.89	

15	256QAM	75	0	19.75	19.57	19.67	19.76	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.86	21.76	21.85	21.89	23
10	QPSK	1	25	21.72	21.61	21.81	22.02	
10	QPSK	1	49	21.75	21.75	21.74	21.78	
10	QPSK	25	0	21.77	21.52	21.81	21.83	23
10	QPSK	25	12	21.76	21.72	21.68	21.80	
10	QPSK	25	25	21.68	21.67	21.76	21.78	
10	QPSK	50	0	21.81	21.61	21.82	21.75	
10	16QAM	1	0	21.86	21.52	21.77	21.84	23
10	16QAM	1	25	21.85	21.42	21.83	21.79	
10	16QAM	1	49	21.62	21.59	21.83	21.96	
10	16QAM	25	0	21.87	21.64	21.76	21.99	23
10	16QAM	25	12	21.78	21.44	21.87	21.86	
10	16QAM	25	25	21.75	21.50	21.76	21.90	
10	16QAM	50	0	21.69	21.63	21.68	21.90	
10	64QAM	1	0	21.86	21.46	21.59	21.91	23
10	64QAM	1	25	21.74	21.58	21.83	21.91	
10	64QAM	1	49	21.75	21.63	21.77	21.84	
10	64QAM	25	0	20.89	20.77	20.83	21.02	22.5
10	64QAM	25	12	20.69	20.67	20.79	21.05	
10	64QAM	25	25	20.73	20.63	20.77	20.71	
10	64QAM	50	0	20.68	20.80	20.77	21.06	
10	256QAM	1	0	19.63	19.54	19.65	19.69	21.5
10	256QAM	1	25	19.64	19.60	19.68	19.65	
10	256QAM	1	49	19.60	19.56	19.68	19.58	
10	256QAM	25	0	19.90	19.62	19.71	19.94	21.5
10	256QAM	25	12	19.84	19.60	19.81	19.63	
10	256QAM	25	25	19.75	19.64	19.62	19.73	
10	256QAM	50	0	19.67	19.59	19.68	19.88	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.93	21.70	21.78	21.88	23
5	QPSK	1	12	21.82	21.52	21.67	21.99	
5	QPSK	1	24	21.76	21.67	21.84	21.72	
5	QPSK	12	0	21.63	21.47	21.77	21.84	23
5	QPSK	12	7	21.74	21.62	21.59	21.84	
5	QPSK	12	13	21.66	21.57	21.60	21.92	
5	QPSK	25	0	21.69	21.57	21.80	21.82	
5	16QAM	1	0	21.77	21.60	21.77	21.79	23
5	16QAM	1	12	21.77	21.61	21.77	21.85	
5	16QAM	1	24	21.71	21.50	21.90	21.87	
5	16QAM	12	0	21.83	21.55	21.71	21.97	23
5	16QAM	12	7	21.87	21.56	21.69	21.92	
5	16QAM	12	13	21.70	21.44	21.83	21.97	
5	16QAM	25	0	21.71	21.71	21.78	21.91	
5	64QAM	1	0	21.81	21.56	21.67	21.77	23
5	64QAM	1	12	21.78	21.73	21.94	21.98	
5	64QAM	1	24	21.77	21.53	21.80	21.86	
5	64QAM	12	0	20.94	20.78	20.92	20.97	22.5
5	64QAM	12	7	20.73	20.73	20.96	20.95	
5	64QAM	12	13	20.78	20.62	20.65	20.72	
5	64QAM	25	0	20.68	20.64	20.76	21.02	
5	256QAM	1	0	19.78	19.53	19.66	19.74	21.5
5	256QAM	1	12	19.59	19.64	19.54	19.76	
5	256QAM	1	24	19.59	19.56	19.63	19.60	
5	256QAM	12	0	19.87	19.64	19.79	19.86	21.5
5	256QAM	12	7	19.72	19.60	19.82	19.63	
5	256QAM	12	13	19.71	19.66	19.69	19.84	
5	256QAM	25	0	19.75	19.50	19.85	19.84	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.93	21.79	21.96	22.08	22.2
20	QPSK	1	49	21.88	21.62	21.87	22.07	
20	QPSK	1	99	21.81	21.79	21.86	21.89	
20	QPSK	50	0	21.79	21.60	21.88	21.89	22.2
20	QPSK	50	24	21.78	21.74	21.77	21.88	
20	QPSK	50	50	21.77	21.75	21.77	21.85	
20	QPSK	100	0	21.85	21.64	21.89	21.91	
20	16QAM	1	0	21.93	21.70	21.83	21.88	22.2
20	16QAM	1	49	21.86	21.62	21.83	21.88	
20	16QAM	1	99	21.75	21.62	21.95	22.01	
20	16QAM	50	0	21.88	21.72	21.85	22.02	22.2
20	16QAM	50	24	21.90	21.62	21.87	22.02	
20	16QAM	50	50	21.76	21.62	21.85	22.05	
20	16QAM	100	0	21.79	21.77	21.80	22.06	
20	64QAM	1	0	21.92	21.61	21.78	21.92	22.2
20	64QAM	1	49	21.89	21.77	21.95	21.99	
20	64QAM	1	99	21.77	21.73	21.93	21.92	
20	64QAM	50	0	21.04	20.84	20.93	21.13	22.2
20	64QAM	50	24	20.82	20.78	20.96	21.10	
20	64QAM	50	50	20.91	20.68	20.80	20.89	
20	64QAM	100	0	20.81	20.81	20.90	21.08	
20	256QAM	1	0	19.78	19.58	19.79	19.88	21.5
20	256QAM	1	49	19.63	19.57	19.60	19.85	
20	256QAM	1	99	19.52	19.50	19.68	19.64	
20	256QAM	50	0	19.93	19.72	19.81	19.95	21.5
20	256QAM	50	24	19.86	19.72	19.88	19.80	
20	256QAM	50	50	19.82	19.54	19.81	19.91	
20	256QAM	100	0	19.75	19.61	19.86	19.90	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.81	21.65	21.81	21.90	22.2
15	QPSK	1	37	21.84	21.61	21.87	21.98	
15	QPSK	1	74	21.72	21.70	21.71	21.79	
15	QPSK	36	0	21.61	21.51	21.81	21.83	22.2
15	QPSK	36	20	21.60	21.71	21.72	21.72	
15	QPSK	36	39	21.73	21.55	21.59	21.83	
15	QPSK	75	0	21.81	21.46	21.79	21.71	
15	16QAM	1	0	21.80	21.60	21.75	21.74	22.2
15	16QAM	1	37	21.69	21.52	21.74	21.83	
15	16QAM	1	74	21.66	21.53	21.78	21.91	
15	16QAM	36	0	21.85	21.69	21.80	21.97	22.2
15	16QAM	36	20	21.86	21.52	21.86	21.84	
15	16QAM	36	39	21.65	21.44	21.68	22.02	
15	16QAM	75	0	21.63	21.66	21.70	21.99	
15	64QAM	1	0	21.89	21.54	21.66	21.88	22.2
15	64QAM	1	37	21.81	21.57	21.82	21.80	
15	64QAM	1	74	21.58	21.54	21.87	21.81	
15	64QAM	36	0	20.99	20.70	20.73	21.07	22.2
15	64QAM	36	20	20.79	20.78	20.96	21.07	
15	64QAM	36	39	20.76	20.55	20.68	20.76	
15	64QAM	75	0	20.68	20.80	20.75	21.06	
15	256QAM	1	0	19.74	19.62	19.73	19.77	21.5
15	256QAM	1	37	19.50	19.57	19.51	19.85	
15	256QAM	1	74	19.57	19.53	19.63	19.52	
15	256QAM	36	0	19.76	19.60	19.76	19.81	21.5
15	256QAM	36	20	19.70	19.72	19.70	19.75	
15	256QAM	36	39	19.73	19.68	19.73	19.89	

15	256QAM	75	0	19.75	19.57	19.67	19.76	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.86	21.76	21.85	21.89	22.2
10	QPSK	1	25	21.72	21.61	21.81	22.02	
10	QPSK	1	49	21.75	21.75	21.74	21.78	
10	QPSK	25	0	21.77	21.52	21.81	21.83	22.2
10	QPSK	25	12	21.76	21.72	21.68	21.80	
10	QPSK	25	25	21.68	21.67	21.76	21.78	
10	QPSK	50	0	21.81	21.61	21.82	21.75	
10	16QAM	1	0	21.86	21.52	21.77	21.84	22.2
10	16QAM	1	25	21.85	21.42	21.83	21.79	
10	16QAM	1	49	21.62	21.59	21.83	21.96	
10	16QAM	25	0	21.87	21.64	21.76	21.99	22.2
10	16QAM	25	12	21.78	21.44	21.87	21.86	
10	16QAM	25	25	21.75	21.50	21.76	21.90	
10	16QAM	50	0	21.69	21.63	21.68	21.90	
10	64QAM	1	0	21.86	21.46	21.59	21.91	22.2
10	64QAM	1	25	21.74	21.58	21.83	21.91	
10	64QAM	1	49	21.75	21.63	21.77	21.84	
10	64QAM	25	0	20.89	20.77	20.83	21.02	22.2
10	64QAM	25	12	20.69	20.67	20.79	21.05	
10	64QAM	25	25	20.73	20.63	20.77	20.71	
10	64QAM	50	0	20.68	20.80	20.77	21.06	
10	256QAM	1	0	19.63	19.54	19.65	19.69	21.5
10	256QAM	1	25	19.64	19.60	19.68	19.65	
10	256QAM	1	49	19.60	19.56	19.68	19.58	
10	256QAM	25	0	19.90	19.62	19.71	19.94	21.5
10	256QAM	25	12	19.84	19.60	19.81	19.63	
10	256QAM	25	25	19.75	19.64	19.62	19.73	
10	256QAM	50	0	19.67	19.59	19.68	19.88	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.93	21.70	21.78	21.88	22.2
5	QPSK	1	12	21.82	21.52	21.67	21.99	
5	QPSK	1	24	21.76	21.67	21.84	21.72	
5	QPSK	12	0	21.63	21.47	21.77	21.84	22.2
5	QPSK	12	7	21.74	21.62	21.59	21.84	
5	QPSK	12	13	21.66	21.57	21.60	21.92	
5	QPSK	25	0	21.69	21.57	21.80	21.82	
5	16QAM	1	0	21.77	21.60	21.77	21.79	22.2
5	16QAM	1	12	21.77	21.61	21.77	21.85	
5	16QAM	1	24	21.71	21.50	21.90	21.87	
5	16QAM	12	0	21.83	21.55	21.71	21.97	22.2
5	16QAM	12	7	21.87	21.56	21.69	21.92	
5	16QAM	12	13	21.70	21.44	21.83	21.97	
5	16QAM	25	0	21.71	21.71	21.78	21.91	
5	64QAM	1	0	21.81	21.56	21.67	21.77	22.2
5	64QAM	1	12	21.78	21.73	21.94	21.98	
5	64QAM	1	24	21.77	21.53	21.80	21.86	
5	64QAM	12	0	20.94	20.78	20.92	20.97	22.2
5	64QAM	12	7	20.73	20.73	20.96	20.95	
5	64QAM	12	13	20.78	20.62	20.65	20.72	
5	64QAM	25	0	20.68	20.64	20.76	21.02	
5	256QAM	1	0	19.78	19.53	19.66	19.74	21.5
5	256QAM	1	12	19.59	19.64	19.54	19.76	
5	256QAM	1	24	19.59	19.56	19.63	19.60	
5	256QAM	12	0	19.87	19.64	19.79	19.86	21.5
5	256QAM	12	7	19.72	19.60	19.82	19.63	
5	256QAM	12	13	19.71	19.66	19.69	19.84	
5	256QAM	25	0	19.75	19.50	19.85	19.84	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	24.37	24.48	24.68	24.45	25.2
20	QPSK	1	49	24.33	24.42	24.67	24.39	
20	QPSK	1	99	24.05	24.11	24.35	24.06	
20	QPSK	50	0	22.33	22.49	22.69	22.42	23.2
20	QPSK	50	24	22.25	22.37	22.56	22.29	
20	QPSK	50	50	22.16	22.27	22.48	22.18	
20	QPSK	100	0	22.23	22.37	22.60	22.31	
20	16QAM	1	0	23.40	23.61	23.71	23.51	24.2
20	16QAM	1	49	23.27	23.48	23.51	23.35	
20	16QAM	1	99	23.11	23.20	23.27	23.09	
20	16QAM	50	0	21.25	21.41	21.64	21.37	22.2
20	16QAM	50	24	21.17	21.33	21.52	21.25	
20	16QAM	50	50	21.06	21.24	21.43	21.12	
20	16QAM	100	0	21.15	21.32	21.52	21.26	
20	64QAM	1	0	22.05	22.32	22.38	22.21	23.2
20	64QAM	1	49	21.91	22.16	22.28	22.00	
20	64QAM	1	99	21.76	21.95	22.08	21.75	
20	64QAM	50	0	20.22	20.42	20.62	20.36	21.2
20	64QAM	50	24	20.14	20.34	20.51	20.25	
20	64QAM	50	50	20.05	20.23	20.40	20.10	
20	64QAM	100	0	20.14	20.29	20.49	20.23	
20	256QAM	1	0	19.23	19.16	19.28	19.44	20.2
20	256QAM	1	49	19.22	19.14	19.31	19.46	
20	256QAM	1	99	19.22	19.16	19.30	19.43	
20	256QAM	50	0	19.39	19.31	19.49	19.58	20.2
20	256QAM	50	24	19.38	19.34	19.49	19.59	
20	256QAM	50	50	19.39	19.27	19.44	19.57	
20	256QAM	100	0	19.34	19.30	19.42	19.52	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	24.18	24.28	24.49	24.37	25.2
15	QPSK	1	37	24.26	24.23	24.60	24.30	
15	QPSK	1	74	24.01	23.92	24.26	23.91	
15	QPSK	36	0	22.33	22.47	22.68	22.42	23.2
15	QPSK	36	20	22.14	22.26	22.50	22.28	
15	QPSK	36	39	22.13	22.25	22.47	22.10	
15	QPSK	75	0	22.04	22.30	22.60	22.30	
15	16QAM	1	0	23.21	23.51	23.60	23.44	24.2
15	16QAM	1	37	23.11	23.35	23.44	23.16	
15	16QAM	1	74	23.10	23.01	23.08	22.94	
15	16QAM	36	0	21.20	21.35	21.48	21.21	22.2
15	16QAM	36	20	21.13	21.32	21.41	21.18	
15	16QAM	36	39	20.96	21.09	21.41	21.07	
15	16QAM	75	0	21.03	21.21	21.40	21.24	
15	64QAM	1	0	22.02	22.23	22.22	22.18	23.2
15	64QAM	1	37	21.90	22.10	22.18	21.96	
15	64QAM	1	74	21.64	21.80	22.08	21.59	
15	64QAM	36	0	20.06	20.32	20.54	20.27	21.2
15	64QAM	36	20	20.03	20.17	20.47	20.20	
15	64QAM	36	39	20.03	20.12	20.34	20.05	
15	64QAM	75	0	20.06	20.13	20.29	20.20	
15	256QAM	1	0	19.08	19.07	19.14	19.35	20.2
15	256QAM	1	37	19.04	18.94	19.12	19.42	
15	256QAM	1	74	19.22	19.14	19.24	19.38	
15	256QAM	36	0	19.37	19.11	19.43	19.52	20.2
15	256QAM	36	20	19.28	19.28	19.44	19.43	
15	256QAM	36	39	19.22	19.20	19.31	19.50	

15	256QAM	75	0	19.32	19.12	19.24	19.34	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.20	24.33	24.51	24.38	25.2
10	QPSK	1	25	24.25	24.38	24.65	24.22	
10	QPSK	1	49	23.90	23.92	24.27	23.98	
10	QPSK	25	0	22.31	22.48	22.55	22.30	23.2
10	QPSK	25	12	22.22	22.28	22.38	22.13	
10	QPSK	25	25	21.97	22.18	22.32	21.98	
10	QPSK	50	0	22.07	22.26	22.41	22.30	
10	16QAM	1	0	23.30	23.47	23.69	23.42	24.2
10	16QAM	1	25	23.22	23.43	23.48	23.19	
10	16QAM	1	49	23.05	23.05	23.24	23.06	
10	16QAM	25	0	21.17	21.27	21.61	21.27	22.2
10	16QAM	25	12	21.03	21.18	21.45	21.23	
10	16QAM	25	25	20.93	21.04	21.32	21.11	
10	16QAM	50	0	21.08	21.15	21.46	21.26	
10	64QAM	1	0	22.01	22.22	22.32	22.05	23.2
10	64QAM	1	25	21.79	22.02	22.12	21.99	
10	64QAM	1	49	21.68	21.94	22.07	21.59	
10	64QAM	25	0	20.03	20.23	20.60	20.16	21.2
10	64QAM	25	12	20.12	20.15	20.46	20.10	
10	64QAM	25	25	19.94	20.12	20.37	20.10	
10	64QAM	50	0	20.08	20.15	20.38	20.23	
10	256QAM	1	0	19.07	19.07	19.09	19.37	20.2
10	256QAM	1	25	19.18	19.14	19.28	19.32	
10	256QAM	1	49	19.11	19.06	19.17	19.33	
10	256QAM	25	0	19.21	19.15	19.36	19.38	20.2
10	256QAM	25	12	19.33	19.27	19.44	19.54	
10	256QAM	25	25	19.29	19.26	19.26	19.38	
10	256QAM	50	0	19.17	19.27	19.39	19.40	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	24.35	24.47	24.52	24.28	25.2
5	QPSK	1	12	24.25	24.26	24.57	24.34	
5	QPSK	1	24	24.01	23.95	24.26	24.03	
5	QPSK	12	0	22.14	22.44	22.63	22.37	23.2
5	QPSK	12	7	22.17	22.27	22.39	22.22	
5	QPSK	12	13	22.00	22.19	22.28	22.06	
5	QPSK	25	0	22.03	22.22	22.46	22.12	
5	16QAM	1	0	23.26	23.45	23.63	23.48	24.2
5	16QAM	1	12	23.26	23.31	23.42	23.17	
5	16QAM	1	24	23.03	23.06	23.08	22.97	
5	16QAM	12	0	21.24	21.34	21.59	21.33	22.2
5	16QAM	12	7	21.17	21.21	21.44	21.07	
5	16QAM	12	13	21.03	21.13	21.26	21.10	
5	16QAM	25	0	21.11	21.32	21.50	21.18	
5	64QAM	1	0	22.04	22.30	22.35	22.11	23.2
5	64QAM	1	12	21.90	22.08	22.17	21.99	
5	64QAM	1	24	21.58	21.90	22.01	21.58	
5	64QAM	12	0	20.11	20.40	20.61	20.34	21.2
5	64QAM	12	7	20.09	20.14	20.42	20.13	
5	64QAM	12	13	19.95	20.10	20.29	19.91	
5	64QAM	25	0	20.11	20.10	20.49	20.17	
5	256QAM	1	0	19.13	19.16	19.21	19.25	20.2
5	256QAM	1	12	19.04	19.07	19.27	19.42	
5	256QAM	1	24	19.19	18.97	19.28	19.31	
5	256QAM	12	0	19.39	19.29	19.49	19.53	20.2
5	256QAM	12	7	19.24	19.21	19.41	19.42	
5	256QAM	12	13	19.28	19.14	19.36	19.48	
5	256QAM	25	0	19.20	19.15	19.35	19.50	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	24.37	24.48	24.68	24.45	25.2
20	QPSK	1	49	24.33	24.42	24.67	24.39	
20	QPSK	1	99	24.05	24.11	24.35	24.06	
20	QPSK	50	0	22.33	22.49	22.69	22.42	23.2
20	QPSK	50	24	22.25	22.37	22.56	22.29	
20	QPSK	50	50	22.16	22.27	22.48	22.18	
20	QPSK	100	0	22.23	22.37	22.60	22.31	
20	16QAM	1	0	23.40	23.61	23.71	23.51	24.2
20	16QAM	1	49	23.27	23.48	23.51	23.35	
20	16QAM	1	99	23.11	23.20	23.27	23.09	
20	16QAM	50	0	21.25	21.41	21.64	21.37	22.2
20	16QAM	50	24	21.17	21.33	21.52	21.25	
20	16QAM	50	50	21.06	21.24	21.43	21.12	
20	16QAM	100	0	21.15	21.32	21.52	21.26	
20	64QAM	1	0	22.05	22.32	22.38	22.21	23.2
20	64QAM	1	49	21.91	22.16	22.28	22.00	
20	64QAM	1	99	21.76	21.95	22.08	21.75	
20	64QAM	50	0	20.22	20.42	20.62	20.36	21.2
20	64QAM	50	24	20.14	20.34	20.51	20.25	
20	64QAM	50	50	20.05	20.23	20.40	20.10	
20	64QAM	100	0	20.14	20.29	20.49	20.23	
20	256QAM	1	0	19.23	19.16	19.28	19.44	20.2
20	256QAM	1	49	19.22	19.14	19.31	19.46	
20	256QAM	1	99	19.22	19.16	19.30	19.43	
20	256QAM	50	0	19.39	19.31	19.49	19.58	20.2
20	256QAM	50	24	19.38	19.34	19.49	19.59	
20	256QAM	50	50	19.39	19.27	19.44	19.57	
20	256QAM	100	0	19.34	19.30	19.42	19.52	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	24.18	24.28	24.49	24.37	25.2
15	QPSK	1	37	24.26	24.23	24.60	24.30	
15	QPSK	1	74	24.01	23.92	24.26	23.91	
15	QPSK	36	0	22.33	22.47	22.68	22.42	23.2
15	QPSK	36	20	22.14	22.26	22.50	22.28	
15	QPSK	36	39	22.13	22.25	22.47	22.10	
15	QPSK	75	0	22.04	22.30	22.60	22.30	
15	16QAM	1	0	23.21	23.51	23.60	23.44	24.2
15	16QAM	1	37	23.11	23.35	23.44	23.16	
15	16QAM	1	74	23.10	23.01	23.08	22.94	
15	16QAM	36	0	21.20	21.35	21.48	21.21	22.2
15	16QAM	36	20	21.13	21.32	21.41	21.18	
15	16QAM	36	39	20.96	21.09	21.41	21.07	
15	16QAM	75	0	21.03	21.21	21.40	21.24	
15	64QAM	1	0	22.02	22.23	22.22	22.18	23.2
15	64QAM	1	37	21.90	22.10	22.18	21.96	
15	64QAM	1	74	21.64	21.80	22.08	21.59	
15	64QAM	36	0	20.06	20.32	20.54	20.27	21.2
15	64QAM	36	20	20.03	20.17	20.47	20.20	
15	64QAM	36	39	20.03	20.12	20.34	20.05	
15	64QAM	75	0	20.06	20.13	20.29	20.20	
15	256QAM	1	0	19.08	19.07	19.14	19.35	20.2
15	256QAM	1	37	19.04	18.94	19.12	19.42	
15	256QAM	1	74	19.22	19.14	19.24	19.38	
15	256QAM	36	0	19.37	19.11	19.43	19.52	20.2
15	256QAM	36	20	19.28	19.28	19.44	19.43	
15	256QAM	36	39	19.22	19.20	19.31	19.50	

15	256QAM	75	0	19.32	19.12	19.24	19.34	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	24.20	24.33	24.51	24.38	25.2
10	QPSK	1	25	24.25	24.38	24.65	24.22	
10	QPSK	1	49	23.90	23.92	24.27	23.98	
10	QPSK	25	0	22.31	22.48	22.55	22.30	23.2
10	QPSK	25	12	22.22	22.28	22.38	22.13	
10	QPSK	25	25	21.97	22.18	22.32	21.98	
10	QPSK	50	0	22.07	22.26	22.41	22.30	
10	16QAM	1	0	23.30	23.47	23.69	23.42	24.2
10	16QAM	1	25	23.22	23.43	23.48	23.19	
10	16QAM	1	49	23.05	23.05	23.24	23.06	
10	16QAM	25	0	21.17	21.27	21.61	21.27	22.2
10	16QAM	25	12	21.03	21.18	21.45	21.23	
10	16QAM	25	25	20.93	21.04	21.32	21.11	
10	16QAM	50	0	21.08	21.15	21.46	21.26	
10	64QAM	1	0	22.01	22.22	22.32	22.05	23.2
10	64QAM	1	25	21.79	22.02	22.12	21.99	
10	64QAM	1	49	21.68	21.94	22.07	21.59	
10	64QAM	25	0	20.03	20.23	20.60	20.16	21.2
10	64QAM	25	12	20.12	20.15	20.46	20.10	
10	64QAM	25	25	19.94	20.12	20.37	20.10	
10	64QAM	50	0	20.08	20.15	20.38	20.23	
10	256QAM	1	0	19.07	19.07	19.09	19.37	20.2
10	256QAM	1	25	19.18	19.14	19.28	19.32	
10	256QAM	1	49	19.11	19.06	19.17	19.33	
10	256QAM	25	0	19.21	19.15	19.36	19.38	20.2
10	256QAM	25	12	19.33	19.27	19.44	19.54	
10	256QAM	25	25	19.29	19.26	19.26	19.38	
10	256QAM	50	0	19.17	19.27	19.39	19.40	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	24.35	24.47	24.52	24.28	25.2
5	QPSK	1	12	24.25	24.26	24.57	24.34	
5	QPSK	1	24	24.01	23.95	24.26	24.03	
5	QPSK	12	0	22.14	22.44	22.63	22.37	23.2
5	QPSK	12	7	22.17	22.27	22.39	22.22	
5	QPSK	12	13	22.00	22.19	22.28	22.06	
5	QPSK	25	0	22.03	22.22	22.46	22.12	
5	16QAM	1	0	23.26	23.45	23.63	23.48	24.2
5	16QAM	1	12	23.26	23.31	23.42	23.17	
5	16QAM	1	24	23.03	23.06	23.08	22.97	
5	16QAM	12	0	21.24	21.34	21.59	21.33	22.2
5	16QAM	12	7	21.17	21.21	21.44	21.07	
5	16QAM	12	13	21.03	21.13	21.26	21.10	
5	16QAM	25	0	21.11	21.32	21.50	21.18	
5	64QAM	1	0	22.04	22.30	22.35	22.11	23.2
5	64QAM	1	12	21.90	22.08	22.17	21.99	
5	64QAM	1	24	21.58	21.90	22.01	21.58	
5	64QAM	12	0	20.11	20.40	20.61	20.34	21.2
5	64QAM	12	7	20.09	20.14	20.42	20.13	
5	64QAM	12	13	19.95	20.10	20.29	19.91	
5	64QAM	25	0	20.11	20.10	20.49	20.17	
5	256QAM	1	0	19.13	19.16	19.21	19.25	20.2
5	256QAM	1	12	19.04	19.07	19.27	19.42	
5	256QAM	1	24	19.19	18.97	19.28	19.31	
5	256QAM	12	0	19.39	19.29	19.49	19.53	20.2
5	256QAM	12	7	19.24	19.21	19.41	19.42	
5	256QAM	12	13	19.28	19.14	19.36	19.48	
5	256QAM	25	0	19.20	19.15	19.35	19.50	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.95	21.94	22.09	22.02	22.1
20	QPSK	1	49	21.80	21.90	22.00	21.90	
20	QPSK	1	99	21.83	21.91	22.02	22.02	
20	QPSK	50	0	21.83	21.88	22.05	21.92	22.1
20	QPSK	50	24	21.81	21.80	22.01	21.91	
20	QPSK	50	50	21.77	21.84	22.00	21.87	
20	QPSK	100	0	21.95	21.83	22.00	21.97	
20	16QAM	1	0	21.91	21.84	22.06	21.85	22.1
20	16QAM	1	49	21.91	21.83	22.02	21.83	
20	16QAM	1	99	21.76	21.90	21.97	21.87	
20	16QAM	50	0	21.30	21.34	21.72	21.35	22.1
20	16QAM	50	24	21.24	21.34	21.44	21.32	
20	16QAM	50	50	21.07	21.18	21.42	21.15	
20	16QAM	100	0	21.15	21.26	21.45	21.20	
20	64QAM	1	0	21.59	21.90	21.83	21.73	22.1
20	64QAM	1	49	21.39	21.70	21.86	21.60	
20	64QAM	1	99	21.21	21.48	21.65	21.22	
20	64QAM	50	0	20.28	20.32	20.55	20.31	21.2
20	64QAM	50	24	20.18	20.28	20.57	20.27	
20	64QAM	50	50	20.14	20.26	20.35	20.05	
20	64QAM	100	0	20.17	20.29	20.39	20.26	
20	256QAM	1	0	19.31	19.09	19.35	19.53	20.2
20	256QAM	1	49	19.15	19.08	19.36	19.36	
20	256QAM	1	99	19.13	19.15	19.36	19.47	
20	256QAM	50	0	19.33	19.26	19.53	19.49	20.2
20	256QAM	50	24	19.38	19.35	19.54	19.58	
20	256QAM	50	50	19.48	19.31	19.54	19.58	
20	256QAM	100	0	19.37	19.21	19.46	19.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.94	21.92	21.76	21.79	22.1
15	QPSK	1	37	21.65	21.77	21.73	21.88	
15	QPSK	1	74	21.78	21.85	21.67	21.90	
15	QPSK	36	0	21.65	21.84	21.72	21.86	22.1
15	QPSK	36	20	21.79	21.66	21.76	21.63	
15	QPSK	36	39	21.64	21.64	21.59	21.71	
15	QPSK	75	0	21.94	21.69	21.94	21.67	
15	16QAM	1	0	21.86	21.71	21.77	21.78	22.1
15	16QAM	1	37	21.85	21.70	21.83	21.81	
15	16QAM	1	74	21.61	21.71	21.67	21.86	
15	16QAM	36	0	21.16	21.21	21.10	21.20	22.1
15	16QAM	36	20	21.04	21.31	21.22	21.26	
15	16QAM	36	39	21.00	21.14	20.96	21.17	
15	16QAM	75	0	21.04	21.17	21.03	21.22	
15	64QAM	1	0	21.59	21.87	21.45	21.75	22.1
15	64QAM	1	37	21.36	21.52	21.32	21.52	
15	64QAM	1	74	21.09	21.40	21.17	21.32	
15	64QAM	36	0	20.13	20.14	20.11	20.21	21.2
15	64QAM	36	20	19.99	20.27	19.99	20.10	
15	64QAM	36	39	20.08	20.25	20.10	20.24	
15	64QAM	75	0	19.99	20.29	20.17	20.27	
15	256QAM	1	0	19.15	18.92	19.27	18.89	20.2
15	256QAM	1	37	19.00	19.01	18.98	19.03	
15	256QAM	1	74	19.13	19.12	19.13	19.04	
15	256QAM	36	0	19.28	19.21	19.22	19.20	20.2
15	256QAM	36	20	19.22	19.26	19.18	19.24	
15	256QAM	36	39	19.41	19.31	19.28	19.24	

15	256QAM	75	0	19.18	19.15	19.26	19.20	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.94	21.94	21.95	21.76	22.1
10	QPSK	1	25	21.72	21.82	21.75	21.77	
10	QPSK	1	49	21.71	21.91	21.65	21.72	
10	QPSK	25	0	21.68	21.86	21.78	21.72	22.1
10	QPSK	25	12	21.79	21.78	21.68	21.76	
10	QPSK	25	25	21.64	21.74	21.66	21.83	
10	QPSK	50	0	21.87	21.77	21.92	21.75	
10	16QAM	1	0	21.73	21.67	21.75	21.68	22.1
10	16QAM	1	25	21.91	21.79	21.73	21.66	
10	16QAM	1	49	21.68	21.77	21.60	21.82	
10	16QAM	25	0	21.25	21.20	21.13	21.21	22.1
10	16QAM	25	12	21.18	21.18	21.14	21.24	
10	16QAM	25	25	21.07	21.13	20.93	21.00	
10	16QAM	50	0	21.06	21.25	21.15	21.16	
10	64QAM	1	0	21.54	21.76	21.59	21.81	22.1
10	64QAM	1	25	21.28	21.56	21.29	21.61	
10	64QAM	1	49	21.02	21.37	21.16	21.37	
10	64QAM	25	0	20.10	20.12	20.12	20.29	21.2
10	64QAM	25	12	20.01	20.18	20.11	20.24	
10	64QAM	25	25	20.11	20.10	19.94	20.08	
10	64QAM	50	0	20.13	20.22	20.17	20.17	
10	256QAM	1	0	19.18	19.09	19.16	18.96	20.2
10	256QAM	1	25	19.01	18.96	19.02	19.03	
10	256QAM	1	49	18.93	19.07	19.05	19.02	
10	256QAM	25	0	19.14	19.14	19.22	19.07	20.2
10	256QAM	25	12	19.26	19.30	19.33	19.28	
10	256QAM	25	25	19.28	19.20	19.31	19.25	
10	256QAM	50	0	19.29	19.20	19.20	19.19	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.76	21.80	21.92	21.91	22.1
5	QPSK	1	12	21.69	21.82	21.65	21.88	
5	QPSK	1	24	21.65	21.78	21.79	21.91	
5	QPSK	12	0	21.64	21.68	21.64	21.69	22.1
5	QPSK	12	7	21.74	21.70	21.63	21.74	
5	QPSK	12	13	21.72	21.70	21.61	21.78	
5	QPSK	25	0	21.89	21.82	21.88	21.76	
5	16QAM	1	0	21.87	21.72	21.78	21.67	22.1
5	16QAM	1	12	21.72	21.82	21.90	21.75	
5	16QAM	1	24	21.73	21.88	21.56	21.83	
5	16QAM	12	0	21.23	21.21	21.29	21.26	22.1
5	16QAM	12	7	21.06	21.29	21.14	21.16	
5	16QAM	12	13	20.99	21.11	21.03	21.15	
5	16QAM	25	0	21.11	21.17	21.06	21.09	
5	64QAM	1	0	21.53	21.84	21.45	21.77	22.1
5	64QAM	1	12	21.20	21.66	21.37	21.50	
5	64QAM	1	24	21.03	21.39	21.19	21.47	
5	64QAM	12	0	20.23	20.28	20.17	20.17	21.2
5	64QAM	12	7	20.02	20.15	19.98	20.27	
5	64QAM	12	13	20.08	20.23	19.99	20.20	
5	64QAM	25	0	20.13	20.26	20.03	20.19	
5	256QAM	1	0	19.27	19.04	19.18	18.96	20.2
5	256QAM	1	12	18.99	18.90	19.08	19.01	
5	256QAM	1	24	19.09	19.03	19.12	19.13	
5	256QAM	12	0	19.20	19.19	19.24	19.13	20.2
5	256QAM	12	7	19.29	19.33	19.33	19.24	
5	256QAM	12	13	19.43	19.13	19.29	19.17	
5	256QAM	25	0	19.31	19.08	19.17	19.13	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.95	21.94	22.09	22.02	22.9
20	QPSK	1	49	21.80	21.90	22.00	21.90	
20	QPSK	1	99	21.83	21.91	22.02	22.02	
20	QPSK	50	0	21.83	21.88	22.05	21.92	22.9
20	QPSK	50	24	21.81	21.80	22.01	21.91	
20	QPSK	50	50	21.77	21.84	22.00	21.87	
20	QPSK	100	0	21.95	21.83	22.00	21.97	
20	16QAM	1	0	21.91	21.84	22.06	21.85	22.9
20	16QAM	1	49	21.91	21.83	22.02	21.83	
20	16QAM	1	99	21.76	21.90	21.97	21.87	
20	16QAM	50	0	21.30	21.34	21.72	21.35	22.2
20	16QAM	50	24	21.24	21.34	21.44	21.32	
20	16QAM	50	50	21.07	21.18	21.42	21.15	
20	16QAM	100	0	21.15	21.26	21.45	21.20	
20	64QAM	1	0	21.59	21.90	21.83	21.73	22.9
20	64QAM	1	49	21.39	21.70	21.86	21.60	
20	64QAM	1	99	21.21	21.48	21.65	21.22	
20	64QAM	50	0	20.28	20.32	20.55	20.31	21.2
20	64QAM	50	24	20.18	20.28	20.57	20.27	
20	64QAM	50	50	20.14	20.26	20.35	20.05	
20	64QAM	100	0	20.17	20.29	20.39	20.26	
20	256QAM	1	0	19.31	19.09	19.35	19.53	20.2
20	256QAM	1	49	19.15	19.08	19.36	19.36	
20	256QAM	1	99	19.13	19.15	19.36	19.47	
20	256QAM	50	0	19.33	19.26	19.53	19.49	20.2
20	256QAM	50	24	19.38	19.35	19.54	19.58	
20	256QAM	50	50	19.48	19.31	19.54	19.58	
20	256QAM	100	0	19.37	19.21	19.46	19.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.94	21.92	21.76	21.79	22.9
15	QPSK	1	37	21.65	21.77	21.73	21.88	
15	QPSK	1	74	21.78	21.85	21.67	21.90	
15	QPSK	36	0	21.65	21.84	21.72	21.86	22.9
15	QPSK	36	20	21.79	21.66	21.76	21.63	
15	QPSK	36	39	21.64	21.64	21.59	21.71	
15	QPSK	75	0	21.94	21.69	21.94	21.67	
15	16QAM	1	0	21.86	21.71	21.77	21.78	22.9
15	16QAM	1	37	21.85	21.70	21.83	21.81	
15	16QAM	1	74	21.61	21.71	21.67	21.86	
15	16QAM	36	0	21.16	21.21	21.10	21.20	22.2
15	16QAM	36	20	21.04	21.31	21.22	21.26	
15	16QAM	36	39	21.00	21.14	20.96	21.17	
15	16QAM	75	0	21.04	21.17	21.03	21.22	
15	64QAM	1	0	21.59	21.87	21.45	21.75	22.9
15	64QAM	1	37	21.36	21.52	21.32	21.52	
15	64QAM	1	74	21.09	21.40	21.17	21.32	
15	64QAM	36	0	20.13	20.14	20.11	20.21	21.2
15	64QAM	36	20	19.99	20.27	19.99	20.10	
15	64QAM	36	39	20.08	20.25	20.10	20.24	
15	64QAM	75	0	19.99	20.29	20.17	20.27	
15	256QAM	1	0	19.15	18.92	19.27	18.89	20.2
15	256QAM	1	37	19.00	19.01	18.98	19.03	
15	256QAM	1	74	19.13	19.12	19.13	19.04	
15	256QAM	36	0	19.28	19.21	19.22	19.20	20.2
15	256QAM	36	20	19.22	19.26	19.18	19.24	
15	256QAM	36	39	19.41	19.31	19.28	19.24	

15	256QAM	75	0	19.18	19.15	19.26	19.20	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.94	21.94	21.95	21.76	22.9
10	QPSK	1	25	21.72	21.82	21.75	21.77	
10	QPSK	1	49	21.71	21.91	21.65	21.72	
10	QPSK	25	0	21.68	21.86	21.78	21.72	22.9
10	QPSK	25	12	21.79	21.78	21.68	21.76	
10	QPSK	25	25	21.64	21.74	21.66	21.83	
10	QPSK	50	0	21.87	21.77	21.92	21.75	
10	16QAM	1	0	21.73	21.67	21.75	21.68	22.9
10	16QAM	1	25	21.91	21.79	21.73	21.66	
10	16QAM	1	49	21.68	21.77	21.60	21.82	
10	16QAM	25	0	21.25	21.20	21.13	21.21	22.2
10	16QAM	25	12	21.18	21.18	21.14	21.24	
10	16QAM	25	25	21.07	21.13	20.93	21.00	
10	16QAM	50	0	21.06	21.25	21.15	21.16	
10	64QAM	1	0	21.54	21.76	21.59	21.81	22.9
10	64QAM	1	25	21.28	21.56	21.29	21.61	
10	64QAM	1	49	21.02	21.37	21.16	21.37	
10	64QAM	25	0	20.10	20.12	20.12	20.29	21.2
10	64QAM	25	12	20.01	20.18	20.11	20.24	
10	64QAM	25	25	20.11	20.10	19.94	20.08	
10	64QAM	50	0	20.13	20.22	20.17	20.17	
10	256QAM	1	0	19.18	19.09	19.16	18.96	20.2
10	256QAM	1	25	19.01	18.96	19.02	19.03	
10	256QAM	1	49	18.93	19.07	19.05	19.02	
10	256QAM	25	0	19.14	19.14	19.22	19.07	20.2
10	256QAM	25	12	19.26	19.30	19.33	19.28	
10	256QAM	25	25	19.28	19.20	19.31	19.25	
10	256QAM	50	0	19.29	19.20	19.20	19.19	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.76	21.80	21.92	21.91	22.9
5	QPSK	1	12	21.69	21.82	21.65	21.88	
5	QPSK	1	24	21.65	21.78	21.79	21.91	
5	QPSK	12	0	21.64	21.68	21.64	21.69	22.9
5	QPSK	12	7	21.74	21.70	21.63	21.74	
5	QPSK	12	13	21.72	21.70	21.61	21.78	
5	QPSK	25	0	21.89	21.82	21.88	21.76	
5	16QAM	1	0	21.87	21.72	21.78	21.67	22.9
5	16QAM	1	12	21.72	21.82	21.90	21.75	
5	16QAM	1	24	21.73	21.88	21.56	21.83	
5	16QAM	12	0	21.23	21.21	21.29	21.26	22.2
5	16QAM	12	7	21.06	21.29	21.14	21.16	
5	16QAM	12	13	20.99	21.11	21.03	21.15	
5	16QAM	25	0	21.11	21.17	21.06	21.09	
5	64QAM	1	0	21.53	21.84	21.45	21.77	22.9
5	64QAM	1	12	21.20	21.66	21.37	21.50	
5	64QAM	1	24	21.03	21.39	21.19	21.47	
5	64QAM	12	0	20.23	20.28	20.17	20.17	21.2
5	64QAM	12	7	20.02	20.15	19.98	20.27	
5	64QAM	12	13	20.08	20.23	19.99	20.20	
5	64QAM	25	0	20.13	20.26	20.03	20.19	
5	256QAM	1	0	19.27	19.04	19.18	18.96	20.2
5	256QAM	1	12	18.99	18.90	19.08	19.01	
5	256QAM	1	24	19.09	19.03	19.12	19.13	
5	256QAM	12	0	19.20	19.19	19.24	19.13	20.2
5	256QAM	12	7	19.29	19.33	19.33	19.24	
5	256QAM	12	13	19.43	19.13	19.29	19.17	
5	256QAM	25	0	19.31	19.08	19.17	19.13	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.95	21.94	22.09	22.02	22.1
20	QPSK	1	49	21.80	21.90	22.00	21.90	
20	QPSK	1	99	21.83	21.91	22.02	22.02	
20	QPSK	50	0	21.83	21.88	22.05	21.92	22.1
20	QPSK	50	24	21.81	21.80	22.01	21.91	
20	QPSK	50	50	21.77	21.84	22.00	21.87	
20	QPSK	100	0	21.95	21.83	22.00	21.97	
20	16QAM	1	0	21.91	21.84	22.06	21.85	22.1
20	16QAM	1	49	21.91	21.83	22.02	21.83	
20	16QAM	1	99	21.76	21.90	21.97	21.87	
20	16QAM	50	0	21.30	21.34	21.72	21.35	22.1
20	16QAM	50	24	21.24	21.34	21.44	21.32	
20	16QAM	50	50	21.07	21.18	21.42	21.15	
20	16QAM	100	0	21.15	21.26	21.45	21.20	
20	64QAM	1	0	21.59	21.90	21.83	21.73	22.1
20	64QAM	1	49	21.39	21.70	21.86	21.60	
20	64QAM	1	99	21.21	21.48	21.65	21.22	
20	64QAM	50	0	20.28	20.32	20.55	20.31	21.2
20	64QAM	50	24	20.18	20.28	20.57	20.27	
20	64QAM	50	50	20.14	20.26	20.35	20.05	
20	64QAM	100	0	20.17	20.29	20.39	20.26	
20	256QAM	1	0	19.31	19.09	19.35	19.53	20.2
20	256QAM	1	49	19.15	19.08	19.36	19.36	
20	256QAM	1	99	19.13	19.15	19.36	19.47	
20	256QAM	50	0	19.33	19.26	19.53	19.49	20.2
20	256QAM	50	24	19.38	19.35	19.54	19.58	
20	256QAM	50	50	19.48	19.31	19.54	19.58	
20	256QAM	100	0	19.37	19.21	19.46	19.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.94	21.92	21.76	21.79	22.1
15	QPSK	1	37	21.65	21.77	21.73	21.88	
15	QPSK	1	74	21.78	21.85	21.67	21.90	
15	QPSK	36	0	21.65	21.84	21.72	21.86	22.1
15	QPSK	36	20	21.79	21.66	21.76	21.63	
15	QPSK	36	39	21.64	21.64	21.59	21.71	
15	QPSK	75	0	21.94	21.69	21.94	21.67	
15	16QAM	1	0	21.86	21.71	21.77	21.78	22.1
15	16QAM	1	37	21.85	21.70	21.83	21.81	
15	16QAM	1	74	21.61	21.71	21.67	21.86	
15	16QAM	36	0	21.16	21.21	21.10	21.20	22.1
15	16QAM	36	20	21.04	21.31	21.22	21.26	
15	16QAM	36	39	21.00	21.14	20.96	21.17	
15	16QAM	75	0	21.04	21.17	21.03	21.22	
15	64QAM	1	0	21.59	21.87	21.45	21.75	22.1
15	64QAM	1	37	21.36	21.52	21.32	21.52	
15	64QAM	1	74	21.09	21.40	21.17	21.32	
15	64QAM	36	0	20.13	20.14	20.11	20.21	21.2
15	64QAM	36	20	19.99	20.27	19.99	20.10	
15	64QAM	36	39	20.08	20.25	20.10	20.24	
15	64QAM	75	0	19.99	20.29	20.17	20.27	
15	256QAM	1	0	19.15	18.92	19.27	18.89	20.2
15	256QAM	1	37	19.00	19.01	18.98	19.03	
15	256QAM	1	74	19.13	19.12	19.13	19.04	
15	256QAM	36	0	19.28	19.21	19.22	19.20	20.2
15	256QAM	36	20	19.22	19.26	19.18	19.24	
15	256QAM	36	39	19.41	19.31	19.28	19.24	

15	256QAM	75	0	19.18	19.15	19.26	19.20	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.94	21.94	21.95	21.76	22.1
10	QPSK	1	25	21.72	21.82	21.75	21.77	
10	QPSK	1	49	21.71	21.91	21.65	21.72	
10	QPSK	25	0	21.68	21.86	21.78	21.72	22.1
10	QPSK	25	12	21.79	21.78	21.68	21.76	
10	QPSK	25	25	21.64	21.74	21.66	21.83	
10	QPSK	50	0	21.87	21.77	21.92	21.75	
10	16QAM	1	0	21.73	21.67	21.75	21.68	22.1
10	16QAM	1	25	21.91	21.79	21.73	21.66	
10	16QAM	1	49	21.68	21.77	21.60	21.82	
10	16QAM	25	0	21.25	21.20	21.13	21.21	22.1
10	16QAM	25	12	21.18	21.18	21.14	21.24	
10	16QAM	25	25	21.07	21.13	20.93	21.00	
10	16QAM	50	0	21.06	21.25	21.15	21.16	
10	64QAM	1	0	21.54	21.76	21.59	21.81	22.1
10	64QAM	1	25	21.28	21.56	21.29	21.61	
10	64QAM	1	49	21.02	21.37	21.16	21.37	
10	64QAM	25	0	20.10	20.12	20.12	20.29	21.2
10	64QAM	25	12	20.01	20.18	20.11	20.24	
10	64QAM	25	25	20.11	20.10	19.94	20.08	
10	64QAM	50	0	20.13	20.22	20.17	20.17	
10	256QAM	1	0	19.18	19.09	19.16	18.96	20.2
10	256QAM	1	25	19.01	18.96	19.02	19.03	
10	256QAM	1	49	18.93	19.07	19.05	19.02	
10	256QAM	25	0	19.14	19.14	19.22	19.07	20.2
10	256QAM	25	12	19.26	19.30	19.33	19.28	
10	256QAM	25	25	19.28	19.20	19.31	19.25	
10	256QAM	50	0	19.29	19.20	19.20	19.19	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.76	21.80	21.92	21.91	22.1
5	QPSK	1	12	21.69	21.82	21.65	21.88	
5	QPSK	1	24	21.65	21.78	21.79	21.91	
5	QPSK	12	0	21.64	21.68	21.64	21.69	22.1
5	QPSK	12	7	21.74	21.70	21.63	21.74	
5	QPSK	12	13	21.72	21.70	21.61	21.78	
5	QPSK	25	0	21.89	21.82	21.88	21.76	
5	16QAM	1	0	21.87	21.72	21.78	21.67	22.1
5	16QAM	1	12	21.72	21.82	21.90	21.75	
5	16QAM	1	24	21.73	21.88	21.56	21.83	
5	16QAM	12	0	21.23	21.21	21.29	21.26	22.1
5	16QAM	12	7	21.06	21.29	21.14	21.16	
5	16QAM	12	13	20.99	21.11	21.03	21.15	
5	16QAM	25	0	21.11	21.17	21.06	21.09	
5	64QAM	1	0	21.53	21.84	21.45	21.77	22.1
5	64QAM	1	12	21.20	21.66	21.37	21.50	
5	64QAM	1	24	21.03	21.39	21.19	21.47	
5	64QAM	12	0	20.23	20.28	20.17	20.17	21.2
5	64QAM	12	7	20.02	20.15	19.98	20.27	
5	64QAM	12	13	20.08	20.23	19.99	20.20	
5	64QAM	25	0	20.13	20.26	20.03	20.19	
5	256QAM	1	0	19.27	19.04	19.18	18.96	20.2
5	256QAM	1	12	18.99	18.90	19.08	19.01	
5	256QAM	1	24	19.09	19.03	19.12	19.13	
5	256QAM	12	0	19.20	19.19	19.24	19.13	20.2
5	256QAM	12	7	19.29	19.33	19.33	19.24	
5	256QAM	12	13	19.43	19.13	19.29	19.17	
5	256QAM	25	0	19.31	19.08	19.17	19.13	