



Band 4_Ant 4

Table with 14 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation and RB sizes.

Band 4_Ant 5

Table with 14 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation and RB sizes.



Band 4_Ant 6

Channel	Frequency (MHz)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel										
20650										
17205										
20300										
20	QPSK	1	0	23.05	23.10	23.02			24.3	0
20	QPSK	1	49	22.97	23.05	22.90				
20	QPSK	1	22	22.81	22.86	22.86				
20	QPSK	50	0	21.89	21.55	21.93			23.3	1
20	QPSK	50	24	21.87	21.80	21.74				
20	QPSK	50	50	21.61	21.67	21.50				
20	QPSK	100	0	21.90	21.92	21.87			23.3	1
20	16QAM	1	0	22.04	22.08	22.08			23.3	1
20	16QAM	1	49	21.83	21.84	21.81				
20	16QAM	1	99	22.05	22.05	22.01				
20	16QAM	50	0	20.83	21.00	20.88			22.3	2
20	16QAM	50	24	20.85	20.97	20.94				
20	16QAM	100	0	21.01	21.02	20.84				
20	16QAM	100	0	20.97	20.98	20.97				
20	0	0	0	20.98	21.02	20.93			22.3	2
20	64QAM	1	49	21.04	21.08	20.91				
20	64QAM	1	99	20.98	21.15	21.10			22.3	2
20	64QAM	50	0	19.91	19.98	19.87				
20	64QAM	50	24	19.89	19.89	19.71			21.3	3
20	64QAM	50	50	19.89	19.86	19.89				
20	64QAM	100	0	19.78	19.85	19.74				
20	256QAM	1	0	17.91	18.00	17.97			19.3	5
20	256QAM	1	49	18.02	18.05	17.91				
20	256QAM	1	99	18.16	18.16	17.91				
20	256QAM	50	0	17.98	18.02	17.92				
20	256QAM	50	24	17.99	17.96	17.83			19.3	5
20	256QAM	50	50	17.84	17.99	17.96				
20	256QAM	100	0	17.82	18.00	17.89				

Band 4_Ant 7

Channel	Frequency (MHz)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel										
20650										
17205										
20300										
20	QPSK	1	0	22.08	22.10	22.05			23.4	0
20	QPSK	1	49	21.90	22.05	22.02				
20	QPSK	1	99	21.85	21.98	22.02				
20	QPSK	50	0	21.00	21.00	21.03			22.4	1
20	QPSK	50	24	20.84	21.02	20.83				
20	QPSK	100	0	20.90	20.91	20.85				
20	QPSK	100	0	21.08	21.01	20.83				
20	16QAM	1	0	21.08	21.12	21.00			22.4	1
20	16QAM	1	49	21.04	21.11	20.85				
20	16QAM	1	99	21.10	21.15	20.99				
20	16QAM	50	0	19.81	19.97	19.96			21.4	2
20	16QAM	50	24	19.97	19.99	19.86				
20	16QAM	100	0	19.88	19.88	19.88				
20	16QAM	100	0	19.83	19.88	19.73				
20	0	0	0	20.12	20.22	20.13			21.4	2
20	64QAM	1	49	20.15	20.15	20.00				
20	64QAM	1	99	20.09	20.25	20.22			21.4	2
20	64QAM	50	0	18.93	18.95	18.91				
20	64QAM	50	24	18.86	18.90	18.76			20.4	3
20	64QAM	50	50	18.80	18.85	18.76				
20	64QAM	100	0	18.90	18.92	18.76				
20	256QAM	1	0	17.11	17.11	17.06			18.4	5
20	256QAM	1	49	17.06	17.12	17.02				
20	256QAM	1	99	17.12	17.16	17.10				
20	256QAM	50	0	16.74	16.80	16.83			18.4	5
20	256QAM	50	24	16.82	16.85	16.76				
20	256QAM	50	50	16.86	16.89	16.80				
20	256QAM	100	0	16.94	17.00	16.96				



Band 13_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				23230	762				
10	QPSK	1	0		23.78		24.3	0	
10	QPSK	1	25		23.70				
10	QPSK	1	49		23.63				
10	QPSK	25	0		22.80				
10	QPSK	25	12		22.78		23.3	1	
10	QPSK	25	25		22.73				
10	QPSK	50	0		22.76				
10	16QAM	1	0		23.18		23.3	1	
10	16QAM	1	25		23.11				
10	16QAM	1	49		23.06				
10	16QAM	25	0		21.79				
10	16QAM	25	12		21.81		22.3	2	
10	16QAM	25	25		21.75				
10	16QAM	50	0		21.75				
10	64QAM	1	0		21.97				
10	64QAM	1	25		22.06		22.3	2	
10	64QAM	1	49		22.00				
10	64QAM	25	0		20.80				
10	64QAM	25	12		20.82		21.3	3	
10	64QAM	25	25		20.74				
10	64QAM	50	0		20.76				
10	256QAM	1	0		18.80				
10	256QAM	1	25		18.77		19.3	5	
10	256QAM	1	49		18.75				
10	256QAM	25	0		18.70				
10	256QAM	25	12		18.79		19.3	5	
10	256QAM	25	25		18.82				
10	256QAM	50	0		18.75				
Channel									
Frequency (MHz)									
				23205	762	23205			
				779.5	762	794.5			
5	QPSK	1	0		23.74	23.73	23.70	24.3	0
5	QPSK	1	12		23.76	23.72	23.74		
5	QPSK	1	24		23.73	23.74	23.82		
5	QPSK	12	0		22.78	22.74	22.78		
5	QPSK	12	7		22.86	22.73	22.78	23.3	1
5	QPSK	12	13		22.82	22.72	22.75		
5	QPSK	25	0		22.84	22.73	22.78		
5	16QAM	1	0		23.03	23.10	23.12		
5	16QAM	1	12		23.20	23.29	23.17	23.3	1
5	16QAM	1	24		23.15	23.11	23.15		
5	16QAM	12	0		21.78	21.83	21.81		
5	16QAM	12	7		21.97	21.79	21.84	22.3	2
5	16QAM	12	13		21.86	21.80	21.84		
5	16QAM	25	0		21.84	21.75	21.78		
5	64QAM	1	0		21.95	22.10	22.04		
5	64QAM	1	12		22.07	22.19	21.93	22.3	2
5	64QAM	1	24		22.08	22.15	22.02		
5	64QAM	12	0		20.84	20.79	20.81		
5	64QAM	12	7		20.94	20.91	20.82		
5	64QAM	12	13		20.90	20.79	20.79	21.3	3
5	64QAM	25	0		20.83	20.76	20.80		
5	256QAM	1	0		18.81	18.73	18.79		
5	256QAM	1	12		18.58	18.58	18.65	19.3	5
5	256QAM	1	24		18.75	18.75	18.69		
5	256QAM	12	0		18.88	18.85	18.84		
5	256QAM	12	7		18.63	18.68	18.65	19.3	5
5	256QAM	12	13		18.84	18.70	18.68		
5	256QAM	25	0		18.67	18.71	18.63		

Band 13_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				23230	762				
10	QPSK	1	0		23.95		24.8	0	
10	QPSK	1	25		23.90				
10	QPSK	1	49		23.88				
10	QPSK	25	0		22.99				
10	QPSK	25	12		22.97		23.8	1	
10	QPSK	25	25		22.90				
10	QPSK	50	0		22.85				
10	16QAM	1	0		23.20		23.8	1	
10	16QAM	1	25		23.22				
10	16QAM	1	49		23.24				
10	16QAM	25	0		22.00				
10	16QAM	25	12		21.99		22.8	2	
10	16QAM	25	25		21.96				
10	16QAM	50	0		21.97				
10	64QAM	1	0		22.15				
10	64QAM	1	25		22.21		22.8	2	
10	64QAM	25	0		21.01				
10	64QAM	25	12		20.98				
10	64QAM	25	25		20.91		21.8	3	
10	64QAM	50	0		20.95				
10	256QAM	1	0		19.08				
10	256QAM	1	25		19.62		19.8	5	
10	256QAM	1	49		19.00				
10	256QAM	25	0		18.85				
10	256QAM	25	12		19.00		19.8	5	
10	256QAM	25	25		18.98				
10	256QAM	50	0		18.84				
Channel									
Frequency (MHz)									
				23205	762	23205			
				779.5	762	794.5			
5	QPSK	1	0		23.80	23.84	23.78	24.8	0
5	QPSK	1	12		23.08	23.91	23.63		
5	QPSK	1	24		23.85	23.81	23.68		
5	QPSK	12	0		22.82	22.81	22.86		
5	QPSK	12	7		22.95	22.85	22.88	23.8	1
5	QPSK	12	13		22.90	22.80	22.84		
5	QPSK	25	0		22.92	22.82	22.83		
5	16QAM	1	0		23.20	23.06	23.22		
5	16QAM	1	12		23.30	23.25	23.27	23.8	1
5	16QAM	1	24		23.22	23.14	23.06		
5	16QAM	12	0		21.85	21.88	21.89		
5	16QAM	12	7		21.98	21.88	21.96	22.8	2
5	16QAM	12	13		21.99	21.87	21.93		
5	16QAM	25	0		21.94	21.85	21.85		
5	64QAM	1	0		22.09	22.18	22.08		
5	64QAM	1	12		22.19	22.18	22.02	22.8	2
5	64QAM	1	24		22.17	22.08	22.08		
5	64QAM	12	0		20.86	20.88	20.91		
5	64QAM	12	7		20.96	20.87	20.92		
5	64QAM	12	13		20.99	20.84	20.93	21.8	3
5	64QAM	25	0		20.85	20.85	20.85		
5	256QAM	1	0		18.99	19.01	18.99		
5	256QAM	1	12		19.00	19.00	18.87	19.8	5
5	256QAM	1	24		18.85	18.89	18.88		
5	256QAM	12	0		18.81	18.84	18.81		
5	256QAM	12	7		18.94	18.89	18.84	19.8	5
5	256QAM	12	13		18.74	18.82	18.83		
5	256QAM	25	0		18.75	18.89	18.80		



Band 17_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				740	740	744				
10	QPSK	1	0	23.63	23.78	23.85	24.3	0		
10	QPSK	1	25	23.60	23.75	23.81				
10	QPSK	1	49	23.55	23.70	23.68				
10	QPSK	25	0	22.79	22.82	22.76	23.3	1		
10	QPSK	25	12	22.73	22.78	22.73				
10	QPSK	25	25	22.73	22.69	22.71				
10	QPSK	50	0	22.78	22.80	22.75	23.3	1		
10	16QAM	1	0	23.09	23.07	23.06				
10	16QAM	1	25	23.01	23.18	23.07				
10	16QAM	1	49	23.29	23.26	23.26	22.3	2		
10	16QAM	25	0	21.73	21.75	21.75				
10	16QAM	25	12	21.86	21.81	21.81				
10	16QAM	25	25	21.84	21.84	21.86	22.3	2		
10	16QAM	50	0	21.79	21.75	21.76				
10	16QAM	50	1	21.81	21.86	21.81				
10	64QAM	1	25	21.95	22.13	22.08	22.3	2		
10	64QAM	1	49	22.03	22.03	21.95				
10	64QAM	25	0	20.71	20.71	20.72				
10	64QAM	25	12	20.81	20.77	20.79	21.3	3		
10	64QAM	25	25	20.77	20.83	20.85				
10	64QAM	50	0	20.81	20.72	20.73				
10	256QAM	1	0	18.71	18.75	18.70	19.3	5		
10	256QAM	1	25	18.54	18.72	18.61				
10	256QAM	1	49	18.74	18.77	18.73				
10	256QAM	25	0	18.52	18.70	18.60	19.3	5		
10	256QAM	25	12	18.63	18.78	18.71				
10	256QAM	25	25	18.80	18.80	18.73				
10	256QAM	50	0	18.66	18.74	18.61	19.3	5		
Channel				23750	23760	23765				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.59	23.66	23.67	24.3	0		
5	QPSK	1	12	23.12	23.69	23.71				
5	QPSK	1	24	23.69	23.69	23.64				
5	QPSK	12	0	22.68	22.70	22.71	23.3	1		
5	QPSK	12	7	22.80	22.73	22.83				
5	QPSK	12	13	22.76	22.79	22.81				
5	QPSK	25	0	22.76	22.69	22.72	23.3	1		
5	16QAM	1	0	23.11	23.10	23.00				
5	16QAM	1	12	23.19	23.20	23.21				
5	16QAM	1	24	22.99	23.11	23.16	22.3	2		
5	16QAM	12	0	21.12	21.23	21.23				
5	16QAM	12	7	21.83	21.79	21.89				
5	16QAM	12	13	21.89	21.86	21.84	22.3	2		
5	16QAM	25	0	21.77	21.72	21.77				
5	64QAM	1	0	22.07	21.96	21.93				
5	64QAM	1	12	22.04	21.99	22.04	22.3	2		
5	64QAM	1	24	22.07	21.94	21.96				
5	64QAM	12	0	20.66	20.74	20.72				
5	64QAM	12	7	20.80	20.79	20.88	21.3	3		
5	64QAM	12	13	20.76	20.82	20.83				
5	64QAM	25	0	20.77	20.72	20.70				
5	256QAM	1	0	18.55	18.59	18.70	19.3	5		
5	256QAM	1	12	18.36	18.64	18.45				
5	256QAM	1	24	18.58	18.61	18.69				
5	256QAM	12	0	18.45	18.59	18.59	19.3	5		
5	256QAM	12	7	18.50	18.68	18.58				
5	256QAM	12	13	18.66	18.74	18.61				
5	256QAM	25	0	18.50	18.58	18.59	19.3	5		
Channel				23765	23790	23800				
Frequency (MHz)				706.5	710	713.5				

Band 17_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				740	740	744				
10	QPSK	1	0	23.82	23.99	23.80	24.8	0		
10	QPSK	1	25	23.80	23.85	23.76				
10	QPSK	1	49	23.77	23.82	23.75				
10	QPSK	25	0	22.89	22.89	22.97	23.8	1		
10	QPSK	25	12	22.81	22.85	22.96				
10	QPSK	25	25	22.88	22.88	22.80				
10	QPSK	50	0	22.93	22.87	22.84	23.8	1		
10	16QAM	1	0	23.26	23.20	23.20				
10	16QAM	1	25	23.25	23.11	23.20				
10	16QAM	1	49	23.27	23.26	23.23	22.8	2		
10	16QAM	25	0	21.88	21.89	21.92				
10	16QAM	25	12	22.03	21.95	21.97				
10	16QAM	25	25	22.03	22.04	22.05	22.8	2		
10	16QAM	50	0	21.99	21.95	21.98				
10	64QAM	1	0	22.08	22.07	22.12				
10	64QAM	1	25	22.09	22.10	22.27	22.8	2		
10	64QAM	1	49	22.14	22.27	22.27				
10	64QAM	25	0	20.87	20.88	21.00				
10	64QAM	25	12	21.05	20.93	20.96	21.8	3		
10	64QAM	25	25	20.99	21.01	21.02				
10	64QAM	50	0	20.98	20.92	20.84				
10	256QAM	1	0	18.89	18.96	18.86	19.8	5		
10	256QAM	1	25	18.69	18.62	18.67				
10	256QAM	1	49	18.87	18.88	18.72				
10	256QAM	25	0	18.84	18.84	18.71	19.8	5		
10	256QAM	25	12	18.96	18.90	18.99				
10	256QAM	25	25	18.76	18.90	18.74				
10	256QAM	50	0	18.75	18.87	18.80	19.8	5		
Channel				23765	23790	23800				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.73	23.82	23.75	24.8	0		
5	QPSK	1	12	23.85	23.88	23.85				
5	QPSK	1	24	23.70	23.79	23.81				
5	QPSK	12	0	22.78	22.77	22.80	23.8	1		
5	QPSK	12	7	22.80	22.81	22.91				
5	QPSK	12	13	22.85	22.88	22.91				
5	QPSK	25	0	22.84	22.79	22.80	23.8	1		
5	16QAM	1	0	23.21	23.15	23.09				
5	16QAM	1	12	23.27	23.27	23.30				
5	16QAM	1	24	23.13	23.02	23.29	22.8	2		
5	16QAM	12	0	21.82	21.84	21.83				
5	16QAM	12	7	21.92	21.92	21.99				
5	16QAM	12	13	21.95	21.96	21.98	22.8	2		
5	16QAM	25	0	21.86	21.83	21.83				
5	64QAM	1	0	21.94	21.92	22.08				
5	64QAM	1	12	22.02	22.07	22.19	22.8	2		
5	64QAM	1	24	22.05	22.05	22.02				
5	64QAM	12	0	20.77	20.81	20.90				
5	64QAM	12	7	20.94	20.90	20.92	21.8	3		
5	64QAM	12	13	20.93	20.97	20.92				
5	64QAM	25	0	20.85	20.81	20.86				
5	256QAM	1	0	18.85	18.62	18.67	19.8	5		
5	256QAM	1	12	18.81	18.62	18.65				
5	256QAM	1	24	18.70	18.80	18.80				
5	256QAM	12	0	18.68	18.88	18.55	19.8	5		
5	256QAM	12	7	18.81	18.83	18.85				
5	256QAM	12	13	18.67	18.81	18.67				
5	256QAM	25	0	18.84	18.80	18.77	19.8	5		
Channel				23765	23790	23800				
Frequency (MHz)				706.5	710	713.5				



Band 25_Ant 6

Table for Band 25_Ant 6. Columns include BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). Rows show various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes.

Band 25_Ant 7

Table for Band 25_Ant 7. Columns include BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), and MPR (dB). Rows show various modulation schemes like QPSK, 16QAM, and 64QAM across different RB sizes.



Band 30_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.4	22.36	22.3	22.9	0
10	QPSK	1	25	22.36	22.3	22.28		
10	QPSK	1	49	22.3	22.28	22.24		
10	QPSK	25	0	21.46	21.35	21.28	21.9	1
10	QPSK	25	12	21.35	21.28	21.24		
10	QPSK	25	25	21.28	21.24	21.2		
10	QPSK	50	0	21.31	21.29	21.27	21.9	1
10	16QAM	1	0	21.69	21.63	21.58		
10	16QAM	1	25	21.63	21.58	21.54		
10	16QAM	1	49	21.76	21.69	21.63	20.9	2
10	16QAM	25	0	20.34	20.3	20.28		
10	16QAM	25	12	20.3	20.28	20.24		
10	16QAM	25	25	20.42	20.32	20.28	20.9	2
10	16QAM	50	0	20.32	20.28	20.24		
10	16QAM	50	1	20.57	20.52	20.48		
10	64QAM	1	0	20.52	20.48	20.44	20.9	2
10	64QAM	1	25	20.55	20.5	20.46		
10	64QAM	1	49	20.55	20.5	20.46		
10	64QAM	25	0	19.35	19.3	19.28	19.9	3
10	64QAM	25	12	19.31	19.28	19.24		
10	64QAM	25	25	19.38	19.3	19.24		
10	64QAM	50	0	19.3	19.28	19.24	19.9	3
10	256QAM	1	0	17.20	17.17	17.14		
10	256QAM	1	25	17.30	17.22	17.17		
10	256QAM	1	49	17.17	17.14	17.11	17.9	5
10	256QAM	25	0	17.24	17.21	17.17		
10	256QAM	25	12	17.21	17.19	17.17		
10	256QAM	25	25	17.25	17.22	17.19	17.9	5
10	256QAM	50	0	17.27	17.22	17.13		
10	256QAM	50	0	17.27	17.22	17.13		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.30	22.23	22.28	22.9	0
5	QPSK	1	12	22.36	22.31	22.19		
5	QPSK	1	24	22.22	22.28	22.19		
5	QPSK	12	0	21.11	21.29	21.28	21.9	1
5	QPSK	12	7	21.27	21.28	21.32		
5	QPSK	12	13	21.23	21.39	21.32		
5	QPSK	25	0	21.18	21.28	21.27	21.9	1
5	16QAM	1	0	21.5	21.6	21.67		
5	16QAM	1	12	21.65	21.69	21.69		
5	16QAM	1	24	21.67	21.68	21.76	20.9	2
5	16QAM	12	0	20.17	20.32	20.18		
5	16QAM	12	7	20.28	20.26	20.26		
5	16QAM	12	13	20.23	20.3	20.4	20.9	2
5	16QAM	25	0	20.26	20.31	20.17		
5	64QAM	1	0	20.5	20.47	20.38		
5	64QAM	1	12	20.44	20.5	20.33	20.9	2
5	64QAM	1	24	20.46	20.46	20.38		
5	64QAM	12	0	19.35	19.34	19.26		
5	64QAM	12	7	19.12	19.28	19.23	19.9	3
5	64QAM	12	13	19.31	19.35	19.24		
5	64QAM	25	0	19.15	19.2	19.12		
5	256QAM	1	0	17.04	17.17	17.03	17.9	5
5	256QAM	1	12	17.17	17.22	17.20		
5	256QAM	1	24	17.06	17.16	17.11		
5	256QAM	12	0	17.19	17.17	17.07	17.9	5
5	256QAM	12	7	17.02	17.19	17.13		
5	256QAM	12	13	17.10	17.17	17.07		
5	256QAM	25	0	17.15	17.22	17.13		

Band 30_Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.68	23.60	23.58	24.3	0
10	QPSK	1	25	23.60	23.58	23.54		
10	QPSK	1	49	23.54	23.55	23.58		
10	QPSK	25	0	22.76	22.70	22.50	23.3	1
10	QPSK	25	12	22.70	22.73	22.73		
10	QPSK	25	25	22.69	22.69	22.62		
10	16QAM	1	0	23.10	23.10	23.10	23.3	1
10	16QAM	1	25	23.08	23.08	23.08		
10	16QAM	1	49	23.16	23.16	23.16		
10	16QAM	25	0	21.69	21.69	21.69	22.3	2
10	16QAM	25	12	21.71	21.71	21.71		
10	16QAM	25	25	21.75	21.75	21.75		
10	16QAM	50	0	21.69	21.69	21.69	22.3	2
10	64QAM	1	0	21.94	21.94	21.94		
10	64QAM	1	25	21.93	21.93	21.93		
10	64QAM	1	49	21.72	21.72	21.72	21.3	3
10	64QAM	25	0	20.99	20.99	20.99		
10	64QAM	25	12	20.89	20.89	20.89		
10	64QAM	25	25	20.73	20.73	20.73	21.3	3
10	64QAM	50	0	20.64	20.64	20.64		
10	256QAM	1	0	18.60	18.60	18.60		
10	256QAM	1	25	18.55	18.55	18.55	19.3	5
10	256QAM	1	49	18.52	18.52	18.52		
10	256QAM	25	0	18.50	18.50	18.50		
10	256QAM	25	12	18.67	18.67	18.67	19.3	5
10	256QAM	25	25	18.59	18.59	18.59		
10	256QAM	50	0	18.51	18.51	18.51		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.58	23.58	23.63	24.3	0
5	QPSK	1	12	23.47	23.58	23.54		
5	QPSK	1	24	23.64	23.55	23.58		
5	QPSK	12	0	22.83	22.48	22.50	23.3	1
5	QPSK	12	7	22.63	22.54	22.51		
5	QPSK	12	13	22.70	22.89	22.62		
5	QPSK	25	0	22.49	22.58	22.53	23.3	1
5	16QAM	1	0	23.00	23.06	23.02		
5	16QAM	1	12	22.88	23.04	23.03		
5	16QAM	1	24	23.05	23.12	22.99	22.3	2
5	16QAM	12	0	21.62	21.56	21.62		
5	16QAM	12	7	21.70	21.60	21.70		
5	16QAM	12	13	21.56	21.71	21.56	22.3	2
5	16QAM	25	0	21.50	21.57	21.50		
5	64QAM	1	0	21.85	21.80	21.85		
5	64QAM	1	12	21.83	21.86	21.83	21.3	3
5	64QAM	1	24	21.84	21.71	21.64		
5	64QAM	12	0	20.51	20.67	20.51		
5	64QAM	12	7	20.81	20.65	20.81	21.3	3
5	64QAM	12	13	20.70	20.84	20.70		
5	64QAM	25	0	20.61	20.67	20.61		
5	256QAM	1	0	18.47	18.49	18.47	19.3	5
5	256QAM	1	12	18.54	18.52	18.54		
5	256QAM	1	24	18.37	18.47	18.37		
5	256QAM	12	0	18.45	18.31	18.45	19.3	5
5	256QAM	12	7	18.53	18.53	18.53		
5	256QAM	12	13	18.42	18.52	18.42		
5	256QAM	25	0	18.33	18.35	18.33		



Band 30_Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel 27710										
Frequency (MHz)										
10	QPSK	1	0	22.90			23.8	0		
10	QPSK	1	25	22.88						
10	QPSK	1	49	22.84						
10	QPSK	25	0	21.50			22.8	1		
10	QPSK	25	12	21.85						
10	QPSK	25	25	21.89						
10	QPSK	50	0	21.88			22.8	1		
10	16QAM	1	0	21.90						
10	16QAM	1	25	21.75						
10	16QAM	1	49	21.77			21.8	2		
10	16QAM	25	0	20.84						
10	16QAM	25	12	20.90						
10	16QAM	25	25	20.85			21.8	2		
10	16QAM	50	0	20.86						
10	16QAM	50	1	20.90						
10	64QAM	1	0	20.85			21.8	2		
10	64QAM	1	25	20.85						
10	64QAM	1	49	20.87						
10	64QAM	25	0	19.90			20.8	3		
10	64QAM	25	12	19.85						
10	64QAM	25	25	19.80						
10	64QAM	50	0	19.88			20.8	3		
10	256QAM	1	0	17.90						
10	256QAM	1	49	17.88						
10	256QAM	25	0	17.85			18.8	5		
10	256QAM	25	12	17.89						
10	256QAM	25	25	17.85						
10	256QAM	50	0	17.81			18.8	5		
Channel 27710										
Frequency (MHz)										
5	QPSK	1	0	22.88	22.74	22.85	23.8	0		
5	QPSK	1	12	22.75	22.83	22.74				
5	QPSK	1	24	22.76	22.77	22.85				
5	QPSK	12	0	21.81	21.85	21.84	22.8	1		
5	QPSK	12	7	21.67	21.85	21.83				
5	QPSK	12	13	21.70	21.84	21.81				
5	QPSK	25	0	21.82	21.73	21.69	22.8	1		
5	16QAM	1	0	21.66	21.71	21.77				
5	16QAM	1	12	21.59	21.74	21.66				
5	16QAM	1	24	21.69	21.62	21.83	21.8	2		
5	16QAM	12	0	20.76	20.76	20.87				
5	16QAM	12	7	20.84	20.71	20.71				
5	16QAM	12	13	20.81	20.78	20.70	21.8	2		
5	16QAM	25	0	20.72	20.87	20.73				
5	64QAM	1	0	20.84	20.79	20.86				
5	64QAM	1	12	20.86	20.83	20.74	21.8	2		
5	64QAM	1	24	20.76	20.86	20.87				
5	64QAM	12	0	19.76	19.90	19.85				
5	64QAM	12	7	19.73	19.76	19.75	20.8	3		
5	64QAM	12	13	19.76	19.67	19.72				
5	64QAM	25	0	19.72	19.73	19.84				
5	256QAM	1	0	17.88	17.86	17.83	18.8	5		
5	256QAM	1	12	17.85	17.84	17.84				
5	256QAM	1	24	17.68	17.64	17.71				
5	256QAM	12	0	17.75	17.84	17.85	18.8	5		
5	256QAM	12	7	17.88	17.75	17.73				
5	256QAM	12	13	17.76	17.85	17.68				
5	256QAM	25	0	17.74	17.74	17.84	18.8	5		

Band 30_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel 27710								
Frequency (MHz)								
10	QPSK	1	0	22.02			23.1	0
10	QPSK	1	25	22.00				
10	QPSK	1	49	21.85				
10	QPSK	25	0	21.45			22.1	1
10	QPSK	25	12	21.35				
10	QPSK	25	25	21.42				
10	QPSK	50	0	21.44			22.1	1
10	16QAM	1	0	21.45				
10	16QAM	1	25	21.40				
10	16QAM	1	49	21.39			21.1	2
10	16QAM	25	0	20.41				
10	16QAM	25	12	20.35				
10	16QAM	25	25	20.33			21.1	2
10	16QAM	50	0	20.39				
10	64QAM	1	0	20.70				
10	64QAM	1	25	20.68			21.1	2
10	64QAM	1	49	20.62				
10	64QAM	25	0	19.93				
10	64QAM	25	12	19.30			20.1	3
10	64QAM	25	25	19.35				
10	64QAM	50	0	19.39				
10	256QAM	1	0	17.30			18.1	5
10	256QAM	1	49	17.25				
10	256QAM	25	0	17.28				
10	256QAM	25	12	17.30			18.1	5
10	256QAM	25	25	17.33				
10	256QAM	50	0	17.25				
Channel 27710								
Frequency (MHz)								
5	QPSK	1	0	21.98	22.00	21.97	23.1	0
5	QPSK	1	12	21.85	21.86	21.88		
5	QPSK	1	24	21.93	21.90	21.90		
5	QPSK	12	0	21.33	21.25	21.22	22.1	1
5	QPSK	12	7	21.29	21.19	21.32		
5	QPSK	12	13	21.40	21.28	21.37		
5	QPSK	25	0	21.39	21.40	21.36	22.1	1
5	16QAM	1	0	21.29	21.39	21.43		
5	16QAM	1	12	21.35	21.37	21.27		
5	16QAM	1	24	21.29	21.39	21.34	21.1	2
5	16QAM	12	0	20.26	20.29	20.24		
5	16QAM	12	7	20.17	20.35	20.24		
5	16QAM	12	13	20.21	20.14	20.16	21.1	2
5	16QAM	25	0	20.33	20.23	20.25		
5	64QAM	1	0	20.62	20.60	20.53		
5	64QAM	1	12	20.85	20.49	20.51	21.1	2
5	64QAM	1	24	20.81	20.55	20.57		
5	64QAM	12	0	19.27	19.15	19.31		
5	64QAM	12	7	19.27	19.17	19.28	20.1	3
5	64QAM	12	13	19.21	19.34	19.26		
5	64QAM	25	0	19.30	19.33	19.25		
5	256QAM	1	0	17.21	17.30	17.13	18.1	5
5	256QAM	1	12	17.07	17.07	17.14		
5	256QAM	1	24	17.23	17.11	17.23		
5	256QAM	12	0	17.10	17.12	17.12	18.1	5
5	256QAM	12	7	17.20	17.22	17.13		
5	256QAM	12	13	17.32	17.21	17.31		
5	256QAM	25	0	17.25	17.25	17.06	18.1	5



Band 66_Ant 4

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Includes channel frequency headers and data rows for various modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) across different RB sizes and offsets.

Band 66_Ant 5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq, Power Middle Ch./Freq, Power High Ch./Freq, Tune-up limit (dBm), MPR (dB). Includes channel frequency headers and data rows for various modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) across different RB sizes and offsets.



Band 66_Ant 6

Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
130772									
130772									
130772									
20	QPSK	1	0	23.27	23.35	23.18			
20	QPSK	1	49	23.08	23.25	23.16		24.8	0
20	QPSK	1	99	23.18	23.19	23.16			
20	QPSK	50	0	22.49	22.50	22.43			
20	QPSK	50	24	22.47	22.45	22.32		23.8	1
20	QPSK	50	24	22.47	22.47	22.38			
20	QPSK	100	0	22.35	22.52	22.51			
20	16QAM	1	0	22.37	22.55	22.37			
20	16QAM	1	49	22.37	22.51	22.45		23.8	1
20	16QAM	1	99	22.29	22.47	22.44			
20	16QAM	50	0	21.33	21.52	21.51			
20	16QAM	50	24	21.48	21.48	21.39			
20	16QAM	50	50	21.43	21.46	21.44		22.8	2
20	16QAM	100	0	21.37	21.42	21.29			
20	16QAM	100	1	21.59	21.60	21.56			
20	64QAM	1	0	21.61	21.62	21.56			
20	64QAM	1	99	21.36	21.55	21.46		22.8	2
20	64QAM	50	0	20.43	20.59	20.50			
20	64QAM	50	24	20.34	20.51	20.44		21.8	3
20	64QAM	50	50	20.34	20.47	20.47			
20	64QAM	100	0	20.30	20.43	20.40			
20	256QAM	1	0	18.54	18.62	18.56			
20	256QAM	1	49	18.41	18.60	18.48		19.8	5
20	256QAM	1	99	18.52	18.55	18.55			
20	256QAM	50	0	18.26	18.45	18.31			
20	256QAM	50	24	18.32	18.41	18.28		19.8	5
20	256QAM	50	50	18.35	18.38	18.35			
20	256QAM	100	0	18.26	18.42	18.35			
Channel									
132027									
132027									
132027									
132027									
132027									

Band 66_Ant 7-SA

Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel									
130872									
130872									
130872									
20	QPSK	1	0	22.03	22.15	22.14			
20	QPSK	1	49	21.86	21.75	21.58		23.4	0
20	QPSK	1	99	21.72	21.77	21.62			
20	QPSK	50	0	20.67	20.80	20.77			
20	QPSK	50	24	20.83	20.75	20.75		22.4	1
20	QPSK	50	24	20.84	20.79	20.71			
20	QPSK	100	0	20.69	20.71	20.70			
20	16QAM	1	0	21.15	21.20	21.16			
20	16QAM	1	49	21.00	21.15	21.03		22.4	1
20	16QAM	1	99	21.05	21.11	21.02			
20	16QAM	50	0	20.15	20.33	20.32		21.4	2
20	16QAM	50	24	20.17	20.25	20.25			
20	16QAM	50	50	20.08	20.20	20.15			
20	16QAM	100	0	20.19	20.23	20.04			
20	64QAM	1	0	20.43	20.50	20.50			
20	64QAM	1	49	20.48	20.48	20.37		21.4	2
20	64QAM	1	99	20.28	20.45	20.43			
20	64QAM	50	0	19.14	19.30	19.24			
20	64QAM	50	24	19.14	19.22	19.09		20.4	3
20	64QAM	50	50	18.17	18.25	18.17			
20	64QAM	100	0	19.12	19.28	19.17			
20	256QAM	1	0	17.29	17.45	17.28			
20	256QAM	1	49	17.50	17.50	17.40		18.4	5
20	256QAM	1	99	17.39	17.42	17.27			
20	256QAM	50	0	17.31	17.33	17.17			
20	256QAM	50	24	17.15	17.32	17.14		18.4	5
20	256QAM	50	50	17.26	17.30	17.21			
20	256QAM	100	0	17.25	17.25	17.22			
Channel									
132027									
132027									
132027									
132027									
132027									



Band 71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
Channel				133222	133297	133372		
Frequency (MHz)				880.5	880.5	880.5		
20	QPSK	1	0	23.82	24.04	23.74	24.8	0
20	QPSK	1	49	23.80	23.94	23.71		
20	QPSK	1	99	23.78	23.83	23.61		
20	QPSK	50	0	23.11	23.14	23.07	23.8	1
20	QPSK	50	24	23.08	23.11	23.03		
20	QPSK	50	49	22.99	23.00	22.95		
20	QPSK	100	0	23.03	23.11	23.04	23.8	1
20	16QAM	1	0	23.21	23.29	23.27		
20	16QAM	1	49	23.13	23.14	23.08		
20	16QAM	1	99	23.16	23.20	23.19	22.8	2
20	16QAM	50	0	22.10	22.20	22.17		
20	16QAM	50	24	22.01	22.13	22.11		
20	16QAM	100	0	22.03	22.04	21.96	22.8	2
20	16QAM	100	0	22.03	22.04	21.96		
20	16QAM	100	0	22.08	22.27	22.18		
20	64QAM	1	49	22.22	22.28	22.19	21.8	3
20	64QAM	1	99	22.07	22.12	22.08		
20	64QAM	50	0	21.06	21.14	21.06		
20	64QAM	50	50	20.90	20.96	20.90	19.8	5
20	64QAM	100	0	21.01	21.12	21.00		
20	256QAM	1	0	18.82	18.85	18.86		
20	256QAM	1	49	18.80	18.83	18.85	19.8	5
20	256QAM	1	99	18.86	18.88	18.77		
20	256QAM	50	0	18.79	18.84	18.80		
20	256QAM	50	24	18.89	18.86	18.94	19.8	5
20	256QAM	50	50	18.82	18.90	18.84		
20	256QAM	100	0	18.83	18.87	18.70		
Channel				133177	133297	133372		
Frequency (MHz)				890.5	890.5	890.5		
15	QPSK	1	0	23.73	23.92	23.64	24.8	0
15	QPSK	1	49	23.75	23.82	23.68		
15	QPSK	1	74	23.74	23.82	23.58		
15	QPSK	36	0	22.87	23.11	22.83	23.8	1
15	QPSK	36	20	23.10	23.08	23.04		
15	QPSK	36	99	22.81	22.90	22.94		
15	QPSK	75	0	23.02	23.06	22.98	23.8	1
15	16QAM	1	0	23.13	23.24	23.20		
15	16QAM	1	37	23.06	23.11	23.03		
15	16QAM	1	74	23.04	23.18	23.15	22.8	2
15	16QAM	36	0	22.13	22.18	22.18		
15	16QAM	36	20	21.90	22.07	21.99		
15	16QAM	36	99	21.83	21.95	21.92	21.8	3
15	16QAM	75	0	21.84	21.83	21.84		
15	64QAM	1	0	22.15	22.18	22.09		
15	64QAM	1	37	22.11	22.23	22.11	19.8	5
15	64QAM	1	74	21.97	22.00	22.05		
15	64QAM	36	0	21.03	21.12	21.01		
15	64QAM	36	20	21.00	21.02	21.00	19.8	5
15	64QAM	36	99	20.82	20.85	20.82		
15	64QAM	75	0	20.86	21.06	20.94		
15	256QAM	1	0	18.77	18.87	18.78	19.8	5
15	256QAM	1	37	18.74	18.69	18.80		
15	256QAM	1	74	18.77	18.78	18.69		
15	256QAM	36	0	18.74	18.78	18.73	19.8	5
15	256QAM	36	20	18.79	18.81	18.82		
15	256QAM	36	99	18.78	18.82	18.72		
15	256QAM	75	0	18.81	18.85	18.86		
Channel				133174	133297	133447		
Frequency (MHz)				688	680.5	693		
10	QPSK	1	0	23.81	24.02	23.58	24.8	0
10	QPSK	1	25	23.75	23.84	23.65		
10	QPSK	1	49	23.66	23.72	23.60		
10	QPSK	25	0	23.01	23.06	23.02	23.8	1
10	QPSK	25	12	23.01	23.05	23.05		
10	QPSK	25	25	22.82	22.85	22.82		
10	QPSK	50	0	22.88	22.98	22.99	23.8	1
10	16QAM	1	0	23.14	23.27	23.19		
10	16QAM	1	25	23.10	23.10	22.97		
10	16QAM	1	49	23.10	23.10	23.13	22.8	2
10	16QAM	25	0	22.00	22.14	22.07		
10	16QAM	25	12	21.84	22.03	22.05		
10	16QAM	25	25	21.80	22.01	21.88	21.8	3
10	16QAM	50	0	21.93	21.95	21.80		
10	64QAM	1	0	22.15	22.25	22.11		
10	64QAM	1	25	22.13	22.20	22.09	19.8	5
10	64QAM	1	49	22.03	22.07	22.01		
10	64QAM	25	0	21.01	21.07	20.98		
10	64QAM	25	12	20.96	21.02	21.05	19.8	5
10	64QAM	25	25	20.82	20.84	20.80		
10	64QAM	50	0	20.90	21.03	20.92		
10	256QAM	1	0	18.75	18.84	18.83	24.8	0
10	256QAM	1	25	18.75	18.87	18.75		
10	256QAM	1	49	18.82	18.84	18.89		
10	256QAM	25	0	18.78	18.78	18.75	23.8	1
10	256QAM	25	12	18.83	18.85	18.86		
10	256QAM	25	25	18.75	18.79	18.73		
10	256QAM	50	0	18.74	18.79	18.69		
Channel				133147	133297	133447		
Frequency (MHz)				693.5	690.5	695.5		
5	QPSK	1	0	23.73	23.97	23.68	24.8	0
5	QPSK	1	12	23.71	23.91	23.67		
5	QPSK	1	24	23.74	23.79	23.57		
5	QPSK	12	0	22.98	23.12	22.98	23.8	1
5	QPSK	12	7	23.04	23.04	22.97		
5	QPSK	12	13	22.88	22.92	22.84		
5	QPSK	25	0	22.98	23.09	23.02	23.8	1
5	16QAM	1	0	23.11	23.18	23.20		
5	16QAM	1	12	23.03	23.13	23.07		
5	16QAM	1	24	23.09	23.08	23.07	22.8	2
5	16QAM	12	0	22.07	22.17	22.06		
5	16QAM	12	7	21.82	22.07	22.07		
5	16QAM	12	13	21.97	21.98	21.90	22.8	2
5	16QAM	25	0	21.91	22.01	21.91		
5	64QAM	1	0	22.17	22.23	22.13		
5	64QAM	1	12	22.14	22.14	22.10	21.8	3
5	64QAM	12	0	20.99	21.13	20.95		
5	64QAM	12	7	20.99	21.13	20.94		
5	64QAM	12	13	20.88	20.92	20.84	19.8	5
5	64QAM	25	0	20.93	21.05	20.97		
5	256QAM	1	0	18.73	18.83	18.75		
5	256QAM	1	12	18.77	18.82	18.74	24.8	0
5	256QAM	1	24	18.77	18.78	18.68		
5	256QAM	12	0	18.77	18.78	18.70		
5	256QAM	12	7	18.88	18.89	18.91	23.8	1
5	256QAM	12	13	18.88	18.88	18.80		
5	256QAM	25	0	18.73	18.81	18.65		



Band 48_Ant 6

Channel	Frequency (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)	MPR (dB)
20	19.98	QPSK	1	0	19.98	19.83	19.87	19.76	20.8	4
20	19.98	QPSK	1	49	19.98	19.83	19.87	19.76	20.8	4
20	19.98	QPSK	1	99	19.98	19.83	19.87	19.76	20.8	4
20	19.98	QPSK	50	0	23.11	23.08	23.10	22.99	23.8	1
20	19.98	QPSK	50	24	23.07	22.98	22.97	22.87	23.8	1
20	19.98	QPSK	50	49	23.04	23.04	23.09	22.96	23.8	1
20	19.98	QPSK	100	0	20.18	19.98	19.89	19.90	20.8	4
20	19.98	QPSK	100	1	20.05	19.98	19.75	19.71	20.8	4
20	19.98	QPSK	100	49	23.05	22.95	22.97	22.80	23.8	1
20	19.98	QPSK	100	99	23.00	22.98	22.97	22.80	23.8	1
20	19.98	QPSK	50	24	22.12	22.05	22.00	21.81	22.8	2
20	19.98	QPSK	50	50	22.01	21.98	21.97	21.88	22.8	2
20	19.98	QPSK	100	0	19.00	18.89	18.90	18.82	19.8	4
20	19.98	QPSK	100	1	17.76	17.77	17.74	17.72	18.8	6
20	19.98	QPSK	50	24	17.69	17.74	17.81	17.73	18.8	6
20	19.98	QPSK	50	49	21.83	21.74	21.83	21.73	22.8	2
20	19.98	QPSK	100	0	19.00	18.89	18.90	18.82	19.8	4
20	19.98	QPSK	100	1	20.96	20.84	20.83	20.59	21.8	3
20	19.98	QPSK	50	24	20.96	21.00	21.01	21.01	21.8	3
20	19.98	QPSK	50	50	20.53	20.85	20.85	21.8	3	
20	19.98	QPSK	100	0	17.95	18.02	17.86	18.00	18.8	6
20	19.98	QPSK	100	1	14.86	15.00	14.78	14.80	15.8	9
20	19.98	QPSK	100	49	19.01	18.90	18.89	18.92	19.8	5
20	19.98	QPSK	100	99	14.98	14.78	14.89	15.01	15.8	9
20	19.98	QPSK	50	24	18.91	18.79	18.87	18.87	19.8	5
20	19.98	QPSK	50	24	18.01	18.09	18.02	18.03	19.8	5
20	19.98	QPSK	50	50	18.62	18.80	18.89	18.97	19.8	5
20	19.98	QPSK	100	0	18.06	18.00	18.12	18.22	19.8	5
20	19.98	QPSK	100	1	18.06	18.00	18.12	18.22	19.8	5
20	19.98	QPSK	100	49	18.06	18.00	18.12	18.22	19.8	5
20	19.98	QPSK	100	99	18.06	18.00	18.12	18.22	19.8	5

Band 48_Ant 7

Channel	Frequency (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)	MPR (dB)
20	22.25	QPSK	1	0	22.25	22.37	22.42	22.47	23.8	0
20	22.25	QPSK	1	49	22.25	22.37	22.42	22.47	23.8	0
20	22.25	QPSK	1	99	22.25	22.37	22.42	22.47	23.8	0
20	22.25	QPSK	50	0	21.66	21.85	21.49	21.55	24.1	1
20	22.25	QPSK	50	24	21.59	21.48	21.59	21.54	24.1	1
20	22.25	QPSK	50	49	22.55	21.45	21.44	21.49	24.1	1
20	22.25	QPSK	100	0	21.60	21.52	21.58	21.56	24.1	1
20	22.25	QPSK	100	1	21.65	21.55	21.60	21.53	24.1	1
20	22.25	QPSK	100	49	21.96	21.45	21.47	21.52	24.1	1
20	22.25	QPSK	100	99	21.69	21.65	21.68	21.61	24.1	1
20	22.25	QPSK	50	24	20.53	20.43	20.51	20.37	20.48	2
20	22.25	QPSK	50	50	20.58	20.39	20.53	20.46	20.48	2
20	22.25	QPSK	100	0	20.60	20.48	20.49	20.43	20.48	2
20	22.25	QPSK	100	1	20.51	20.48	20.47	20.45	20.48	2
20	22.25	QPSK	100	49	20.58	20.47	20.48	20.48	20.48	2
20	22.25	QPSK	50	24	19.50	19.32	19.35	19.39	20.8	3
20	22.25	QPSK	50	50	18.40	18.40	18.40	18.42	18.47	3
20	22.25	QPSK	100	0	18.65	18.46	18.56	18.48	19.48	5
20	22.25	QPSK	100	1	17.85	17.48	17.46	17.44	17.54	5
20	22.25	QPSK	100	49	17.52	17.60	17.60	17.60	17.60	5
20	22.25	QPSK	100	99	17.60	17.46	17.54	17.56	17.56	5
20	22.25	QPSK	50	24	17.58	17.41	17.41	17.43	17.44	5
20	22.25	QPSK	50	50	17.46	17.47	17.46	17.46	17.46	5
20	22.25	QPSK	100	0	17.49	17.46	17.47	17.53	17.52	5
20	22.25	QPSK	100	1	17.49	17.46	17.47	17.53	17.52	5
20	22.25	QPSK	100	49	17.49	17.46	17.47	17.53	17.52	5
20	22.25	QPSK	100	99	17.49	17.46	17.47	17.53	17.52	5



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Table with columns: 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), MPR (dB). Includes Channel Frequency (MHz) and Channel Power (dBm) sub-tables.

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Table with columns: 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), MPR (dB). Includes Channel Frequency (MHz) and Channel Power (dBm) sub-tables.



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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)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PV2 BPSK	1	1	22.25	22.28	22.26	24.2	0.0
20	PV2 BPSK	1	53	22.24	22.27	22.23		
20	PV2 BPSK	1	104	22.22	22.20	22.24		
20	PV2 BPSK	50	0	21.77	21.91	21.83	23.7	0.5
20	PV2 BPSK	50	49	22.23	22.25	22.30	23.2	0.0
20	PV2 BPSK	50	56	21.80	21.83	21.75	23.7	0.5
20	PV2 BPSK	100	0	21.82	21.89	21.75		
20	QPSK	1	1	22.95	23.08	22.98		
20	QPSK	1	53	22.94	23.07	23.05	24.2	0.0
20	QPSK	1	104	22.89	23.00	22.94		
20	QPSK	50	0	22.30	22.37	22.20	23.2	1.0
20	QPSK	50	28	22.81	22.91	22.75	24.2	0.0
20	QPSK	50	56	22.95	22.98	22.22		
20	QPSK	100	0	22.25	22.37	22.30	23.2	1.0
20	16QAM	1	1	21.92	21.44	21.27	22.2	2.0
20	16QAM	1	1	20.92	20.40	20.32	21.7	2.5
20	256QAM	1	1	19.88	19.02	19.02	19.7	4.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1872.5	1860	1897.5	(dBm)	(dB)
15	QPSK	1	1	22.89	22.94	22.80	24.2	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1860	1850	(dBm)	(dB)
10	QPSK	1	1	22.87	22.89	22.83	23.2	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1860	1897.5	(dBm)	(dB)
5	QPSK	1	1	22.85	22.90	22.85	24.2	0.0

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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)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PV2 BPSK	1	1	23.36	23.46	23.29	25.2	0.0
20	PV2 BPSK	1	93	23.45	23.50	23.41		
20	PV2 BPSK	1	104	23.34	23.49	23.35		
20	PV2 BPSK	50	0	23.16	23.20	23.18	24.7	0.5
20	PV2 BPSK	50	49	23.47	23.48	23.38	25.2	0.0
20	PV2 BPSK	50	56	23.30	23.33	23.17	24.7	0.5
20	PV2 BPSK	100	0	23.25	23.30	23.28		
20	QPSK	1	1	24.17	24.20	24.11		
20	QPSK	1	53	24.13	24.18	23.99	25.2	0.0
20	QPSK	1	104	24.08	24.17	24.06		
20	QPSK	50	0	23.45	23.63	23.52	24.2	1.0
20	QPSK	50	28	23.97	24.10	23.94	25.2	0.0
20	QPSK	50	56	23.43	23.53	23.50		
20	QPSK	100	0	23.19	23.30	23.18	24.2	1.0
20	16QAM	1	1	22.93	23.05	22.94	24.2	1.0
20	16QAM	1	1	21.84	21.80	21.74	22.7	2.5
20	256QAM	1	1	19.80	19.97	19.90	20.7	4.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1872.5	1860	1897.5	(dBm)	(dB)
15	QPSK	1	1	24.10	24.14	24.16	25.2	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1860	1850	(dBm)	(dB)
10	QPSK	1	1	24.13	24.11	24.07	25.2	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1860	1897.5	(dBm)	(dB)
5	QPSK	1	1	24.16	24.12	24.01	25.2	0.0



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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)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PV2 BPSK	1	1	22.72	22.85	22.75	24.7	0.0
20	PV2 BPSK	1	53	22.77	22.77	22.70		
20	PV2 BPSK	1	104	22.79	22.79	22.72		
20	PV2 BPSK	50	0	22.82	22.55	22.80	24.2	0.5
20	PV2 BPSK	50	56	22.72	22.80	22.75	23.7	0.0
20	PV2 BPSK	50	56	22.86	22.80	22.88	24.2	0.5
20	PV2 BPSK	100	0	22.85	22.58	22.82		
20	QPSK	1	1	23.52	23.52	23.52		
20	QPSK	1	53	23.43	23.55	23.49	24.7	0.0
20	QPSK	1	104	23.38	23.52	23.47		
20	QPSK	50	0	22.38	22.52	22.32	23.7	1.0
20	QPSK	50	28	23.53	23.58	23.53	24.7	0.0
20	QPSK	50	56	22.51	22.50	22.49		
20	QPSK	100	0	22.43	22.49	22.45	23.7	1.0
20	16QAM	1	1	22.42	22.50	22.32	23.7	1.0
20	16QAM	1	1	21.27	21.33	21.22	22.2	2.5
20	256QAM	1	1	19.14	19.19	19.05	20.2	4.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1857.5	1860	1924.5	(dB)	(dB)
15	QPSK	1	1	23.56	23.58	23.54	24.7	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1860	1855	(dB)	(dB)
10	QPSK	1	1	23.51	23.49	23.42	23.7	0.0
Channel				376500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1860	1897.5	(dB)	(dB)
5	QPSK	1	1	23.52	23.40	23.50	24.7	0.0

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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)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PV2 BPSK	1	1	21.95	21.95	21.80	23.7	0.0
20	PV2 BPSK	1	53	21.86	21.86	21.75		
20	PV2 BPSK	1	104	21.73	21.85	21.83		
20	PV2 BPSK	50	0	21.88	21.87	21.80	23.2	0.5
20	PV2 BPSK	50	56	21.83	21.82	21.89	23.7	0.0
20	PV2 BPSK	50	56	21.72	21.79	21.67	23.2	0.5
20	PV2 BPSK	100	0	21.70	21.81	21.82		
20	QPSK	1	1	22.42	22.50	22.48		
20	QPSK	1	53	22.27	22.45	22.28	23.7	0.0
20	QPSK	1	104	22.37	22.48	22.42		
20	QPSK	50	0	21.32	21.45	21.39	22.7	1.0
20	QPSK	50	28	22.35	22.48	22.27	23.7	0.0
20	QPSK	50	56	21.25	21.44	21.38		
20	QPSK	100	0	21.46	21.53	21.48	22.7	1.0
20	16QAM	1	1	21.51	21.80	21.51	22.7	1.0
20	16QAM	1	1	20.37	20.42	20.37	21.2	2.5
20	256QAM	1	1	18.22	18.22	18.09	19.2	4.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1857.5	1860	1924.5	(dB)	(dB)
15	QPSK	1	1	22.41	22.39	22.38	23.7	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1860	1855	(dB)	(dB)
10	QPSK	1	1	22.30	22.39	22.25	23.7	0.0
Channel				376500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1860	1897.5	(dB)	(dB)
5	QPSK	1	1	22.38	22.29	22.24	23.7	0.0



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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)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	23.87	23.90	23.80	24.7	0.0
20	Pi2 BPSK	1	53	23.76	23.90	23.90		
20	Pi2 BPSK	1	104	23.74	23.88	23.69		
20	Pi2 BPSK	50	0	23.32	23.48	23.40	24.2	0.5
20	Pi2 BPSK	50	28	23.88	23.94	23.85	24.7	0.0
20	Pi2 BPSK	50	56	23.49	23.55	23.47	24.2	0.5
20	Pi2 BPSK	100	0	23.46	23.47	23.44		
20	QPSK	1	1	23.97	23.95	23.85		
20	QPSK	1	53	23.89	23.85	23.81	24.7	0.0
20	QPSK	1	104	23.83	23.87	23.82		
20	QPSK	50	0	23.42	23.42	23.57	24.7	0.0
20	QPSK	50	28	23.88	23.92	23.90	24.7	0.0
20	QPSK	50	56	23.99	23.49	23.53	24.7	0.0
20	QPSK	100	0	23.43	23.55	23.53		
20	16QAM	1	1	23.54	23.50	23.65	23.7	1.0
20	16QAM	1	1	22.00	21.92	21.88	22.2	2.5
20	256QAM	1	1	20.08	19.91	20.05	20.2	4.5
Channel				168300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				834.5	836.5	837.2	(dBm)	(dB)
15	QPSK	1	1	23.71	23.68	23.74	24.7	0.0
Channel				166800	167300	166800	Tune-up limit	MPR
Frequency (MHz)				834	836.5	834	(dBm)	(dB)
10	QPSK	1	1	23.73	23.63	23.71	24.7	0.0
Channel				165300	167300	165300	Tune-up limit	MPR
Frequency (MHz)				828.5	836.5	835.5	(dBm)	(dB)
5	QPSK	1	1	23.71	23.82	23.67	24.7	0.0

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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)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	Pi2 BPSK	1	1	23.98	23.95	23.93	25.2	0.0
20	Pi2 BPSK	1	93	23.77	23.95	23.83		
20	Pi2 BPSK	1	104	23.90	23.92	23.88		
20	Pi2 BPSK	50	0	23.70	23.77	23.71	24.7	0.5
20	Pi2 BPSK	50	28	23.83	23.97	23.80	25.2	0.0
20	Pi2 BPSK	50	56	23.40	23.40	23.34	24.7	0.5
20	Pi2 BPSK	100	0	23.38	23.50	23.31		
20	QPSK	1	1	23.91	24.00	23.87		
20	QPSK	1	53	23.74	23.90	23.81	25.2	0.0
20	QPSK	1	104	23.89	23.96	23.78		
20	QPSK	50	0	23.45	23.50	23.49	24.2	1.0
20	QPSK	50	28	23.90	23.95	23.88	25.2	0.0
20	QPSK	50	56	23.36	23.39	23.32	24.2	1.0
20	QPSK	100	0	23.50	23.58	23.52		
20	16QAM	1	1	23.55	23.56	23.60	24.2	1.0
20	16QAM	1	1	22.08	22.00	22.05	22.7	2.5
20	256QAM	1	1	20.11	20.12	20.11	20.7	4.5
Channel				168300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				834.5	836.5	837.2	(dBm)	(dB)
15	QPSK	1	1	23.95	23.96	23.93	25.2	0.0
Channel				166800	167300	166800	Tune-up limit	MPR
Frequency (MHz)				834	836.5	834	(dBm)	(dB)
10	QPSK	1	1	23.87	23.95	23.93	25.2	0.0
Channel				165300	167300	165300	Tune-up limit	MPR
Frequency (MHz)				828.5	836.5	835.5	(dBm)	(dB)
5	QPSK	1	1	23.98	23.94	23.81	25.2	0.0



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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)	MPR (dB)
Channel				50000	50700	51000		
Frequency (MHz)				2520	2535	2550		
40	Pi/2 BPSK	1	1	22.00	22.02	21.94	23.5	0.0
40	Pi/2 BPSK	1	108	21.95	22.05	21.97		
40	Pi/2 BPSK	1	214	21.90	22.00	21.97		
40	Pi/2 BPSK	108	0	21.02	21.20	21.11	23.0	0.5
40	Pi/2 BPSK	108	54	21.98	22.00	21.81	23.5	0.0
40	Pi/2 BPSK	108	108	21.04	21.19	21.13	23.0	0.5
40	Pi/2 BPSK	216	0	21.00	21.11	21.04		
40	QPSK	1	1	22.08	22.10	22.01		
40	QPSK	1	108	21.83	21.85	21.83	23.5	0.0
40	QPSK	1	214	21.94	21.98	21.95		
40	QPSK	108	0	21.48	21.48	21.55	22.5	1.0
40	QPSK	108	54	22.09	22.10	22.05	23.5	0.0
40	QPSK	108	108	21.55	21.55	21.51	22.5	1.0
40	QPSK	216	0	21.66	21.68	21.64		
40	16QAM	1	1	21.34	21.35	21.35	22.5	1.0
40	16QAM	1	1	20.03	20.10	21.0	21.0	2.5
40	256QAM	1	1	18.13	18.15	18.25	19.0	4.5
Channel				50300	50700	51100	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	21.98	22.02	21.82	23.5	0.0
Channel				50500	50700	511500	Tune-up limit	MPR
Frequency (MHz)				2522.5	2535	2537.5	(dBm)	(dB)
25	QPSK	1	1	21.97	21.95	21.93	23.5	0.0
Channel				50200	50700	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2550	(dBm)	(dB)
20	QPSK	1	1	22.00	21.95	21.89	23.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2550	(dBm)	(dB)
15	QPSK	1	1	21.88	21.92	21.85	23.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
10	QPSK	1	1	21.95	22.05	21.78	23.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2504.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	21.97	21.91	21.82	23.5	0.0

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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)	MPR (dB)
Channel				50000	50700	51000		
Frequency (MHz)				2520	2535	2550		
40	Pi/2 BPSK	1	1	23.01	23.15	23.16	24.7	0.0
40	Pi/2 BPSK	1	108	23.00	23.17	23.10		
40	Pi/2 BPSK	1	214	22.98	23.15	23.13		
40	Pi/2 BPSK	108	0	22.34	22.38	22.32	24.2	0.5
40	Pi/2 BPSK	108	54	23.15	23.18	23.18	24.7	0.0
40	Pi/2 BPSK	108	108	22.31	22.35	22.28	24.2	0.5
40	Pi/2 BPSK	216	0	22.25	22.33	22.16		
40	QPSK	1	1	23.10	23.20	23.09		
40	QPSK	1	108	23.01	23.14	22.98	24.7	0.0
40	QPSK	1	214	23.08	23.16	23.05		
40	QPSK	108	0	22.99	22.95	22.87	23.7	1.0
40	QPSK	108	54	23.09	23.19	23.11	24.7	0.0
40	QPSK	108	108	22.99	22.99	23.01	23.7	1.0
40	QPSK	216	0	22.91	22.98	22.95		
40	16QAM	1	1	22.73	22.85	22.63	23.7	1.0
40	16QAM	1	1	21.49	21.38	21.50	22.2	2.5
40	256QAM	1	1	19.44	19.33	19.44	20.2	4.5
Channel				50300	50700	51100	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.94	23.19	23.12	24.7	0.0
Channel				50500	50700	511500	Tune-up limit	MPR
Frequency (MHz)				2522.5	2535	2537.5	(dBm)	(dB)
25	QPSK	1	1	23.01	23.01	23.03	24.7	0.0
Channel				50200	50700	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2550	(dBm)	(dB)
20	QPSK	1	1	22.93	23.11	23.10	24.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2550	(dBm)	(dB)
15	QPSK	1	1	22.92	23.14	23.05	24.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
10	QPSK	1	1	22.97	23.17	23.00	24.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2504.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.97	23.19	23.12	24.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	50700	51000		
40	PI2 BPSK	1	1	22.71	22.88	22.84	24.2	0.0
40	PI2 BPSK	1	108	22.78	22.82	22.76		
40	PI2 BPSK	1	214	22.66	22.78	22.70		
40	PI2 BPSK	108	0	21.86	21.90	21.83	23.7	0.5
40	PI2 BPSK	108	54	22.58	22.68	22.52	23.2	0.0
40	PI2 BPSK	108	108	21.71	21.88	21.83	23.7	0.5
40	PI2 BPSK	216	0	21.87	21.86	21.76	24.2	0.0
40	QPSK	1	1	22.98	22.90	22.85		
40	QPSK	1	108	22.89	22.77	22.59		
40	QPSK	1	214	22.08	22.80	22.83	23.2	1.0
40	QPSK	108	0	22.43	22.30	22.39	24.2	0.0
40	QPSK	108	54	22.84	22.88	22.73	24.2	0.0
40	QPSK	108	108	22.19	22.15	22.12	23.2	1.0
40	QPSK	216	0	22.23	22.32	22.25	23.2	1.0
40	16QAM	1	1	22.61	22.55	22.63		
40	16QAM	1	1	20.89	20.88	21.90		
40	256QAM	1	1	19.88	18.88	18.76	19.7	4.5
Channel								
Frequency (MHz)				50300	50700	51000	Tune-up limit	MPR
30	QPSK	1	1	22.53	22.86	22.80	24.2	0.0
Channel								
Frequency (MHz)				50250	50700	511500	Tune-up limit	MPR
25	QPSK	1	1	22.53	22.86	22.83	23.2	0.0
Channel								
Frequency (MHz)				50200	50700	51200	Tune-up limit	MPR
20	QPSK	1	1	22.71	22.79	22.77	24.2	0.0
Channel								
Frequency (MHz)				50150	50700	51250	Tune-up limit	MPR
15	QPSK	1	1	22.87	22.77	22.73	24.2	0.0
Channel								
Frequency (MHz)				50100	50700	51300	Tune-up limit	MPR
10	QPSK	1	1	22.89	22.75	22.73	24.2	0.0
Channel								
Frequency (MHz)				50050	50700	51350	Tune-up limit	MPR
5	QPSK	1	1	22.58	22.79	22.82	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	50700	51000		
40	PI2 BPSK	1	1	21.85	21.86	21.88	23.5	0.0
40	PI2 BPSK	1	108	21.80	21.82	21.80		
40	PI2 BPSK	1	214	21.69	21.73	21.61		
40	PI2 BPSK	108	0	21.15	21.33	21.20	23.0	0.5
40	PI2 BPSK	108	54	21.69	21.88	21.78	23.5	0.0
40	PI2 BPSK	108	108	21.28	21.39	21.34	23.0	0.5
40	PI2 BPSK	216	0	21.21	21.34	21.17	24.2	0.0
40	QPSK	1	1	22.28	22.35	22.28		
40	QPSK	1	108	22.08	22.25	22.22		
40	QPSK	1	214	22.21	22.30	22.19	23.5	1.0
40	QPSK	108	0	21.17	21.22	21.12	22.5	1.0
40	QPSK	108	54	22.19	22.34	22.20	23.5	0.0
40	QPSK	108	108	21.40	21.42	21.23	23.5	1.0
40	QPSK	216	0	21.21	21.30	21.17	22.5	1.0
40	16QAM	1	1	21.03	21.03	20.84		
40	16QAM	1	1	19.38	19.45	19.37		
40	256QAM	1	1	17.66	17.68	17.52	19.0	4.5
Channel								
Frequency (MHz)				50300	50700	51000	Tune-up limit	MPR
30	QPSK	1	1	22.25	22.30	22.27	23.5	0.0
Channel								
Frequency (MHz)				50250	50700	511500	Tune-up limit	MPR
25	QPSK	1	1	22.24	22.34	22.34	23.5	0.0
Channel								
Frequency (MHz)				50200	50700	51200	Tune-up limit	MPR
20	QPSK	1	1	22.19	22.28	22.27	23.5	0.0
Channel								
Frequency (MHz)				50150	50700	51250	Tune-up limit	MPR
15	QPSK	1	1	22.31	22.22	22.29	23.5	0.0
Channel								
Frequency (MHz)				50100	50700	51300	Tune-up limit	MPR
10	QPSK	1	1	22.32	22.25	22.33	23.5	0.0
Channel								
Frequency (MHz)				50050	50700	51350	Tune-up limit	MPR
5	QPSK	1	1	22.19	22.21	22.23	23.5	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.19	23.35	23.33		
40	PI/2 BPSK	1	108	23.22	23.30	23.30	24.2	0.0
40	PI/2 BPSK	1	214	23.15	23.25	23.11		
40	PI/2 BPSK	108	0	22.99	23.10	23.03	23.7	0.5
40	PI/2 BPSK	108	54	23.03	23.22	23.17	23.2	0.0
40	PI/2 BPSK	108	108	23.07	23.15	23.00	23.7	0.5
40	PI/2 BPSK	216	0	23.21	23.24	23.11		
40	QPSK	1	1	23.30	23.38	23.33		
40	QPSK	1	108	23.12	23.30	23.19	24.2	0.0
40	QPSK	1	214	23.23	23.27	23.23		
40	QPSK	108	0	22.40	22.38	22.39	23.2	1.0
40	QPSK	108	54	23.23	23.35	23.34	24.2	0.0
40	QPSK	108	108	22.40	22.33	22.41	23.2	1.0
40	QPSK	216	0	22.44	22.46	22.39		
40	16QAM	1	1	22.47	22.40	22.46	23.2	1.0
40	16QAM	1	1	20.87	20.88	20.93	21.7	2.5
40	256QAM	1	1	19.06	19.05	19.15	19.7	4.5
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR
				1895	1894.5	1900	24.2	0.0
30	QPSK	1	1	23.08	23.31	23.25	24.2	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR
				1892.5	1892.5	1892.5	24.2	0.0
25	QPSK	1	1	23.07	23.23	23.28	23.2	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR
				1890	1890.5	1905	24.2	0.0
20	QPSK	1	1	23.02	23.28	23.17	24.2	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR
				1887.5	1887.5	1907.5	24.2	0.0
15	QPSK	1	1	23.07	23.32	23.25	24.2	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR
				1885	1885.5	1910	24.2	0.0
10	QPSK	1	1	23.08	23.33	23.23	24.2	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR
				1882.5	1882.5	1912.5	24.2	0.0
5	QPSK	1	1	23.12	23.21	23.21	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
				1870	1882.5	1895		
40	PI/2 BPSK	1	1	24.09	24.22	24.19		
40	PI/2 BPSK	1	108	24.11	24.15	24.18	25.2	0.0
40	PI/2 BPSK	1	214	23.96	24.13	23.95		
40	PI/2 BPSK	108	0	24.03	24.05	23.93	24.7	0.5
40	PI/2 BPSK	108	54	24.04	24.17	24.09	25.2	0.0
40	PI/2 BPSK	108	108	23.97	24.08	24.07	24.7	0.5
40	PI/2 BPSK	216	0	23.99	24.10	23.92		
40	QPSK	1	1	24.20	24.25	24.18		
40	QPSK	1	108	24.14	24.18	24.03	25.2	0.0
40	QPSK	1	214	24.06	24.10	24.04		
40	QPSK	108	0	23.38	23.39	23.29	24.2	1.0
40	QPSK	108	54	24.13	24.34	24.21	25.2	0.0
40	QPSK	108	108	23.29	23.18	23.18	24.2	1.0
40	QPSK	216	0	23.15	23.22	23.20		
40	16QAM	1	1	23.19	23.15	23.19	24.2	1.0
40	16QAM	1	1	21.80	21.77	21.79	22.7	2.5
40	256QAM	1	1	19.92	19.90	19.78	20.7	4.5
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR
				1895	1892.5	1900	24.2	0.0
30	QPSK	1	1	24.01	24.08	24.18	25.2	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR
				1892.5	1892.5	1892.5	24.2	0.0
25	QPSK	1	1	23.91	24.05	24.03	25.2	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR
				1890	1890.5	1905	24.2	0.0
20	QPSK	1	1	24.07	24.13	24.12	25.2	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR
				1887.5	1887.5	1907.5	24.2	0.0
15	QPSK	1	1	23.99	24.10	24.19	25.2	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR
				1885	1885.5	1910	24.2	0.0
10	QPSK	1	1	23.95	24.11	24.04	25.2	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR
				1882.5	1882.5	1912.5	24.2	0.0
5	QPSK	1	1	24.03	24.18	24.18	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
				1870	1882.5	1895		
40	PI2 BPSK	1	1	23.78	23.85	23.82	24.7	0.0
40	PI2 BPSK	1	108	23.75	23.77	23.60		
40	PI2 BPSK	1	214	23.54	23.72	23.57		
40	PI2 BPSK	108	0	23.85	23.70	23.54	24.2	0.5
40	PI2 BPSK	108	54	23.58	23.75	23.75	23.7	0.0
40	PI2 BPSK	108	108	23.54	23.70	23.63	24.2	0.5
40	PI2 BPSK	216	0	23.52	23.68	23.50		
40	QPSK	1	1	23.98	23.90	23.84		
40	QPSK	1	108	23.88	23.70	23.66	24.7	0.0
40	QPSK	1	214	23.98	23.69	23.54		
40	QPSK	108	0	22.98	22.99	23.07	23.7	1.0
40	QPSK	108	54	23.77	23.84	23.83	24.7	0.0
40	QPSK	108	108	23.03	22.88	22.99	23.7	1.0
40	QPSK	216	0	22.95	22.99	22.97		
40	16QAM	1	1	23.07	22.95	22.98	23.7	1.0
40	16QAM	1	1	21.39	21.42	21.42	22.2	2.5
40	256QAM	1	1	19.57	19.45	19.45	20.2	4.5
Channel				373000	376500	380000	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1900	(dBm)	(dB)
30	QPSK	1	1	23.65	23.73	23.76	24.7	0.0
Channel				372500	376500	380500	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1892.5	(dBm)	(dB)
25	QPSK	1	1	23.78	23.66	23.65	23.7	0.0
Channel				372000	376500	381000	Tune-up limit	MPR
Frequency (MHz)				1890	1892.5	1905	(dBm)	(dB)
20	QPSK	1	1	23.81	23.71	23.68	24.7	0.0
Channel				371500	376500	381500	Tune-up limit	MPR
Frequency (MHz)				1887.5	1892.5	1907.5	(dBm)	(dB)
15	QPSK	1	1	23.89	23.82	23.77	24.7	0.0
Channel				371000	376500	382000	Tune-up limit	MPR
Frequency (MHz)				1885	1892.5	1910	(dBm)	(dB)
10	QPSK	1	1	23.83	23.70	23.82	24.7	0.0
Channel				370500	376500	382500	Tune-up limit	MPR
Frequency (MHz)				1882.5	1892.5	1912.5	(dBm)	(dB)
5	QPSK	1	1	23.77	23.74	23.77	24.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
				1870	1882.5	1895		
40	PI2 BPSK	1	1	22.79	22.88	22.89	24.1	0.0
40	PI2 BPSK	1	108	22.68	22.80	22.80		
40	PI2 BPSK	1	214	22.65	22.75	22.74		
40	PI2 BPSK	108	0	22.85	22.80	22.80	23.8	0.5
40	PI2 BPSK	108	54	22.75	22.79	22.79	23.1	0.0
40	PI2 BPSK	108	108	22.75	22.80	22.72	23.8	0.5
40	PI2 BPSK	216	0	22.80	22.77	22.70		
40	QPSK	1	1	22.85	22.90	22.82		
40	QPSK	1	108	22.79	22.79	22.88	24.1	0.0
40	QPSK	1	214	22.66	22.82	22.81		
40	QPSK	108	0	21.68	21.85	21.87	23.1	1.0
40	QPSK	108	54	22.43	22.95	22.47	24.1	0.0
40	QPSK	108	108	21.85	21.89	21.98	23.1	1.0
40	QPSK	216	0	21.97	22.00	21.90		
40	16QAM	1	1	21.95	22.00	21.93	23.1	1.0
40	16QAM	1	1	20.70	20.78	20.89	21.8	2.5
40	256QAM	1	1	18.23	18.40	18.28	19.8	4.5
Channel				373000	376500	380000	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1900	(dBm)	(dB)
30	QPSK	1	1	22.79	22.85	22.81	24.1	0.0
Channel				372500	376500	380500	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1892.5	(dBm)	(dB)
25	QPSK	1	1	22.77	22.83	22.81	24.1	0.0
Channel				372000	376500	381000	Tune-up limit	MPR
Frequency (MHz)				1890	1892.5	1905	(dBm)	(dB)
20	QPSK	1	1	22.85	22.84	22.69	24.1	0.0
Channel				371500	376500	381500	Tune-up limit	MPR
Frequency (MHz)				1887.5	1892.5	1907.5	(dBm)	(dB)
15	QPSK	1	1	22.79	22.75	22.61	24.1	0.0
Channel				371000	376500	382000	Tune-up limit	MPR
Frequency (MHz)				1885	1892.5	1910	(dBm)	(dB)
10	QPSK	1	1	22.85	22.79	22.59	24.1	0.0
Channel				370500	376500	382500	Tune-up limit	MPR
Frequency (MHz)				1882.5	1892.5	1912.5	(dBm)	(dB)
5	QPSK	1	1	22.88	22.76	22.52	24.1	0.0



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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)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PV2 BPSK	1	1	22.42			23.7	0.0
10	PV2 BPSK	1	50	22.40				
10	PV2 BPSK	1	50	22.35				
10	PV2 BPSK	25	0	20.33			23.2	0.5
10	PV2 BPSK	25	14	22.37			23.7	0.0
10	PV2 BPSK	25	27	20.32			23.2	0.5
10	PV2 BPSK	50	0	20.36				
10	QPSK	1	1	22.55				
10	QPSK	1	26	22.87			23.7	0.0
10	QPSK	1	50	22.50				
10	QPSK	25	0	20.75			22.7	1.0
10	QPSK	25	14	22.88			23.7	0.0
10	QPSK	25	27	20.83			22.7	1.0
10	QPSK	50	0	20.87				
10	16QAM	1	1	21.84			22.7	1.0
10	16QAM	1	1	20.50			21.2	2.5
10	256QAM	1	1	18.16			19.2	4.5
Channel				461500	462000	462500	Tune-up limit	MPR
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	22.73	22.69	22.87	23.7	0.0

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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)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PV2 BPSK	1	1	23.53			24.7	0.0
10	PV2 BPSK	1	50	23.55				
10	PV2 BPSK	1	50	23.49				
10	PV2 BPSK	25	0	21.49			24.2	0.5
10	PV2 BPSK	25	14	23.49			24.7	0.0
10	PV2 BPSK	25	27	21.41				
10	PV2 BPSK	50	0	21.47			24.2	0.5
10	QPSK	1	1	24.13				
10	QPSK	1	26	24.00			24.7	0.0
10	QPSK	1	50	21.86				
10	QPSK	25	0	22.92			23.7	1.0
10	QPSK	25	14	24.00			24.7	0.0
10	QPSK	25	27	21.97				
10	QPSK	50	0	21.93			23.7	1.0
10	16QAM	1	1	22.92			23.7	1.0
10	16QAM	1	1	21.52			22.2	2.5
10	256QAM	1	1	19.22			20.2	4.5
Channel				461500	462000	462500	Tune-up limit	MPR
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	23.92	23.89	23.93	24.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				345000	349000	353000		
40	Pi/2 BPSK	1	1	22.19	22.35	22.22		
40	Pi/2 BPSK	1	108	22.12	22.23	22.06	23.7	0.0
40	Pi/2 BPSK	1	214	22.12	22.20	22.08		
40	Pi/2 BPSK	108	0	21.46	21.30	21.42	23.2	0.5
40	Pi/2 BPSK	108	54	22.08	22.15	22.03	23.7	0.0
40	Pi/2 BPSK	108	108	21.48	21.26	21.48	23.2	0.5
40	Pi/2 BPSK	216	0	21.46	21.20	21.35		
40	QPSK	1	1	22.30	22.30	22.25		
40	QPSK	1	108	22.10	22.23	22.18	23.7	0.0
40	QPSK	1	214	22.05	22.15	22.11		
40	QPSK	108	0	22.08	22.25	22.15	22.7	1.0
40	QPSK	108	54	22.13	22.30	22.23	23.7	0.0
40	QPSK	108	108	22.06	22.22	22.15	22.7	1.0
40	QPSK	216	0	22.12	22.18	22.10		
40	16QAM	1	1	22.07	22.10	21.91	22.7	1.0
40	16QAM	1	1	20.72	20.80	20.82	21.2	2.5
40	256QAM	1	1	18.58	18.74	18.85	19.2	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR
30	QPSK	1	1	22.03	22.18	22.15	23.7	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	22.08	22.19	22.15	23.7	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	22.00	22.25	22.11	23.7	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	22.05	22.22	22.09	23.7	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	22.01	22.17	22.10	23.7	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR
5	QPSK	1	1	22.16	22.28	22.10	23.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				345000	349000	353000		
40	Pi/2 BPSK	1	1	23.27	23.37	23.32		
40	Pi/2 BPSK	1	108	23.14	23.25	23.10	25.2	0.0
40	Pi/2 BPSK	1	214	23.18	23.36	23.22		
40	Pi/2 BPSK	108	0	22.82	22.82	22.70	24.7	0.5
40	Pi/2 BPSK	108	54	23.81	23.85	23.81	25.2	0.0
40	Pi/2 BPSK	108	108	22.54	22.70	22.53	24.7	0.5
40	Pi/2 BPSK	216	0	22.85	22.85	22.76		
40	QPSK	1	1	24.27	24.30	24.27		
40	QPSK	1	108	24.11	24.24	24.08	25.2	0.0
40	QPSK	1	214	24.12	24.26	24.11		
40	QPSK	108	0	23.16	23.33	23.17	24.2	1.0
40	QPSK	108	54	24.17	24.38	24.25	25.2	0.0
40	QPSK	108	108	23.27	23.30	23.11	24.2	1.0
40	QPSK	216	0	23.10	23.35	23.13		
40	16QAM	1	1	23.12	23.22	23.21	24.2	1.0
40	16QAM	1	1	21.85	21.80	21.82	22.7	2.5
40	256QAM	1	1	19.83	20.00	19.97	20.7	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR
30	QPSK	1	1	24.24	24.24	24.30	25.2	0.0
Channel								
Frequency (MHz)				344500	349000	353500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	24.27	24.33	24.27	25.2	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	24.32	24.32	24.26	25.2	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	24.29	24.23	24.25	25.2	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	24.21	24.24	24.30	25.2	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR
5	QPSK	1	1	24.25	24.24	24.29	25.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	22.84	22.93	22.89	24.7	0.0
40	Pi/2 BPSK	1	108	22.61	22.80	22.83		
40	Pi/2 BPSK	1	214	22.63	22.75	22.82		
40	Pi/2 BPSK	108	0	22.14	22.15	22.15	24.2	0.5
40	Pi/2 BPSK	108	54	22.83	22.89	22.85	23.7	0.0
40	Pi/2 BPSK	108	108	22.19	22.20	22.02	24.2	0.5
40	Pi/2 BPSK	216	0	21.10	21.23	21.12		
40	QPSK	1	1	23.52	23.60	23.57		
40	QPSK	1	108	23.37	23.55	23.51	24.7	0.0
40	QPSK	1	214	23.48	23.52	23.35		
40	QPSK	108	0	22.73	22.80	22.72	23.7	1.0
40	QPSK	108	54	23.46	23.57	23.38	24.7	0.0
40	QPSK	108	108	22.51	22.69	22.52	23.7	1.0
40	QPSK	216	0	22.65	22.68	22.47		
40	16QAM	1	1	22.62	22.65	22.55	23.7	1.0
40	16QAM	1	1	20.98	21.12	20.97	22.2	2.5
40	256QAM	1	1	19.21	19.30	19.22	20.2	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	23.19	23.26	23.25	24.7	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1747.5	(dB)	(dB)
25	QPSK	1	1	23.21	23.42	23.33	23.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	23.24	23.34	23.22	24.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	23.28	23.35	23.20	24.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	23.19	23.33	23.29	24.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	23.34	23.42	23.29	24.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	21.63	21.65	21.57	23.2	0.0
40	Pi/2 BPSK	1	108	21.52	21.55	21.45		
40	Pi/2 BPSK	1	214	21.49	21.52	21.45		
40	Pi/2 BPSK	108	0	20.86	20.95	20.88	22.7	0.5
40	Pi/2 BPSK	108	54	21.45	21.45	21.27	23.2	0.0
40	Pi/2 BPSK	108	108	20.86	20.92	20.81	22.7	0.5
40	Pi/2 BPSK	216	0	20.81	20.96	20.88		
40	QPSK	1	1	21.65	21.70	21.62		
40	QPSK	1	108	21.49	21.57	21.44	23.2	0.0
40	QPSK	1	214	21.38	21.54	21.38		
40	QPSK	108	0	21.32	21.45	21.30	22.2	1.0
40	QPSK	108	54	21.37	21.49	21.48	23.2	0.0
40	QPSK	108	108	21.35	21.46	21.45	22.2	1.0
40	QPSK	216	0	21.50	21.55	21.48		
40	16QAM	1	1	21.22	21.30	21.22	22.2	1.0
40	16QAM	1	1	20.29	20.38	20.16	20.7	2.5
40	256QAM	1	1	18.25	18.30	18.19	18.7	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	21.47	21.53	21.47	23.2	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1747.5	(dB)	(dB)
25	QPSK	1	1	21.49	21.53	21.45	23.2	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	21.52	21.49	21.46	23.2	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	21.55	21.49	21.41	23.2	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	21.54	21.51	21.39	23.2	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	21.63	21.47	21.57	23.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				134600	136100	137600		
20	PI2 BPSK	1	1	23.29	23.35	23.32		
20	PI2 BPSK	1	53	23.23	23.26	23.25	24.7	0.0
20	PI2 BPSK	1	104	23.33	23.30	23.29		
20	PI2 BPSK	50	0	22.85	23.00	22.85	24.2	0.5
20	PI2 BPSK	50	28	23.25	23.30	23.23	24.7	0.0
20	PI2 BPSK	50	56	22.93	22.88	22.85	24.2	0.5
20	PI2 BPSK	100	0	22.81	22.84	22.78		
20	QPSK	1	1	24.20	24.22	24.11		
20	QPSK	1	53	24.03	24.15	24.00	24.7	0.0
20	QPSK	1	104	24.04	24.10	24.09		
20	QPSK	50	0	23.12	23.20	23.07	23.7	1.0
20	QPSK	50	28	24.03	24.11	24.08	24.7	0.0
20	QPSK	50	56	22.95	23.12	23.08	23.7	1.0
20	QPSK	100	0	22.95	23.08	23.05		
20	16QAM	1	1	23.14	23.33	23.18	23.7	1.0
20	64QAM	1	1	21.99	22.00	21.86	22.2	2.5
20	256QAM	1	1	19.83	19.96	19.93	20.2	4.5
Channel				134100	136100	138100	Tune-up limit (dB)	MPR
Frequency (MHz)				130.2	130.5	130.5	(dB)	(dB)
15	QPSK	1	1	24.04	24.10	23.98	24.7	0.0
Channel				133600	136100	138600	Tune-up limit (dB)	MPR
Frequency (MHz)				1368	1361.5	1361	(dB)	(dB)
10	QPSK	1	1	24.14	24.11	24.02	24.7	0.0
Channel				133100	136100	139100	Tune-up limit (dB)	MPR
Frequency (MHz)				1365.5	1361.5	1365.5	(dB)	(dB)
5	QPSK	1	1	24.00	24.06	24.13	24.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				134600	136100	137600		
20	PI2 BPSK	1	1	23.30	23.35	23.28		
20	PI2 BPSK	1	53	23.22	23.30	23.33	25.2	0.0
20	PI2 BPSK	1	104	23.23	23.26	23.23		
20	PI2 BPSK	50	0	23.17	23.20	23.20	24.7	0.5
20	PI2 BPSK	50	28	23.30	23.33	23.23	25.2	0.0
20	PI2 BPSK	50	56	22.99	23.10	23.01	24.7	0.5
20	PI2 BPSK	100	0	23.12	23.15	23.01		
20	QPSK	1	1	24.28	24.32	24.19		
20	QPSK	1	53	24.08	24.25	24.17	25.2	0.0
20	QPSK	1	104	24.12	24.20	24.17		
20	QPSK	50	0	23.35	23.52	23.38	24.2	1.0
20	QPSK	50	28	24.28	24.30	24.18	25.2	0.0
20	QPSK	50	56	23.22	23.40	23.37	24.2	1.0
20	QPSK	100	0	23.29	23.43	23.30		
20	16QAM	1	1	23.43	23.50	23.41	24.2	1.0
20	64QAM	1	1	21.82	22.00	21.80	22.7	2.5
20	256QAM	1	1	20.01	20.01	19.83	20.7	4.5
Channel				134100	136100	138100	Tune-up limit (dB)	MPR
Frequency (MHz)				130.2	130.5	130.5	(dB)	(dB)
15	QPSK	1	1	24.23	24.19	24.19	25.2	0.0
Channel				133600	136100	138600	Tune-up limit (dB)	MPR
Frequency (MHz)				1368	1361.5	1361	(dB)	(dB)
10	QPSK	1	1	24.18	24.20	24.13	25.2	0.0
Channel				133100	136100	139100	Tune-up limit (dB)	MPR
Frequency (MHz)				1365.5	1361.5	1365.5	(dB)	(dB)
5	QPSK	1	1	24.10	24.24	24.19	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				512800	519900	526900		
30	Pi/2 BPSK	1	1	22.56	22.60	22.56	23.7	0.0
30	Pi/2 BPSK	1	40	22.27	22.46	22.45		
30	Pi/2 BPSK	1	77	22.37	22.30	22.42		
30	Pi/2 BPSK	36	0	21.50	21.60	21.57	23.2	0.5
30	Pi/2 BPSK	36	22	22.44	22.45	22.36	23.7	0.0
30	Pi/2 BPSK	36	43	21.67	21.70	21.60	23.2	0.5
30	Pi/2 BPSK	75	0	21.65	21.66	21.62		
30	QPSK	1	1	22.58	22.62	22.58		
30	QPSK	1	40	22.30	22.42	22.25	23.7	0.0
30	QPSK	1	77	22.42	22.46	22.45		
30	QPSK	36	0	22.02	22.15	22.11		
30	QPSK	36	22	22.37	22.46	22.36	23.7	0.0
30	QPSK	36	43	22.04	22.05	21.88		
30	QPSK	75	0	21.80	21.90	21.80		
30	16QAM	1	1	21.95	22.10	21.98	22.7	1.0
30	64QAM	1	1	20.35	20.46	20.29	21.2	2.5
30	256QAM	1	1	19.45	19.60	19.57	19.2	4.5
Channel								
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.00	25.05	25.10	25.7	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.77.3	25.95	26.12.5	25.7	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.75.02	25.95	26.14.98	25.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				518000	519000	520000		
30	Pi/2 BPSK	1	1	24.19	24.22	24.09	25.2	0.0
30	Pi/2 BPSK	1	40	24.10	24.15	23.98		
30	Pi/2 BPSK	1	77	24.06	24.09	24.07		
30	Pi/2 BPSK	36	0	23.30	23.33	23.31	24.7	0.5
30	Pi/2 BPSK	36	22	24.01	24.07	23.98	25.2	0.0
30	Pi/2 BPSK	36	43	23.23	23.36	23.29	24.7	0.5
30	Pi/2 BPSK	75	0	23.16	23.25	23.13		
30	QPSK	1	1	24.15	24.25	24.20		
30	QPSK	1	40	24.10	24.10	24.10	25.2	0.0
30	QPSK	1	77	24.11	24.13	24.11		
30	QPSK	36	0	23.69	23.80	23.72		
30	QPSK	36	22	24.10	24.11	24.02	25.2	0.0
30	QPSK	36	43	23.76	23.62	23.66		
30	QPSK	75	0	23.45	23.55	23.38		
30	16QAM	1	1	23.50	23.80	23.46	24.2	1.0
30	64QAM	1	1	22.26	22.30	22.30	22.7	2.5
30	256QAM	1	1	20.10	20.25	20.23	20.7	4.5
Channel								
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.11	24.12	24.02	25.2	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.77.3	25.95	26.12.5	25.2	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.75.02	25.95	26.14.98	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				512000	519000	526000		
30	PV2 BPSK	1	1	23.31	23.45	23.39	24.7	0.0
30	PV2 BPSK	1	40	23.30	23.35	23.18		
30	PV2 BPSK	1	77	23.23	23.40	23.35		
30	PV2 BPSK	36	0	22.52	22.60	22.60	24.2	0.5
30	PV2 BPSK	36	22	23.32	23.34	23.32	24.7	0.0
30	PV2 BPSK	36	43	22.43	22.58	22.43	24.2	0.5
30	PV2 BPSK	75	0	22.43	22.55	22.51		
30	QPSK	1	1	23.45	23.20	23.40	24.7	0.0
30	QPSK	1	40	23.29	23.30	23.16		
30	QPSK	1	77	23.33	23.34	23.22		
30	QPSK	36	0	22.92	22.95	22.94	24.7	0.0
30	QPSK	36	22	23.22	23.33	23.25		
30	QPSK	36	43	22.81	23.00	22.88	23.7	1.0
30	QPSK	75	0	22.53	22.07	22.65	23.7	1.0
30	16QAM	1	1	22.71	22.88	22.75	23.7	1.0
30	64QAM	1	1	21.34	21.40	21.35	22.2	2.5
30	256QAM	1	1	19.18	19.20	19.05	20.2	4.5
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.21	23.23	23.35	24.7	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.07	23.34	23.35	24.7	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.03	23.31	23.20	24.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				512000	519000	526000		
30	PV2 BPSK	1	1	22.72	22.80	22.69	24.0	0.0
30	PV2 BPSK	1	40	22.53	22.70	22.63		
30	PV2 BPSK	1	77	22.66	22.77	22.68		
30	PV2 BPSK	36	0	21.82	21.90	21.75	23.5	0.5
30	PV2 BPSK	36	22	22.72	22.77	22.69	24.0	0.0
30	PV2 BPSK	36	43	21.89	21.76	21.74	23.5	0.5
30	PV2 BPSK	75	0	21.85	21.88	21.72		
30	QPSK	1	1	22.77	22.62	22.75	24.0	0.0
30	QPSK	1	40	22.80	22.62	22.54		
30	QPSK	1	77	22.48	22.66	22.51		
30	QPSK	36	0	22.22	22.35	22.18	24.0	0.0
30	QPSK	36	22	22.89	22.75	22.87		
30	QPSK	36	43	22.27	22.30	22.12	23.0	1.0
30	QPSK	75	0	22.04	22.51	22.17	23.0	1.0
30	16QAM	1	1	22.11	22.25	22.25	23.0	1.0
30	64QAM	1	1	20.47	20.65	20.53	21.5	2.5
30	256QAM	1	1	18.01	18.70	18.54	19.5	4.5
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.61	22.66	22.53	24.0	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.68	22.70	22.54	24.0	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.58	22.67	22.55	24.0	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				50920	51898	52876		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	22.30	22.38	22.25	23.2	0.0
100	PV2 BPSK	1	137	22.07	22.28	22.18		
100	PV2 BPSK	1	271	22.05	22.22	22.11		
100	PV2 BPSK	135	0	22.01	22.15	22.10	22.7	0.5
100	PV2 BPSK	135	69	22.00	22.17	22.12	23.2	0.0
100	PV2 BPSK	135	138	22.13	22.18	22.02	22.7	0.5
100	PV2 BPSK	270	0	22.04	22.22	22.15		
100	QPSK	1	1	22.30	22.35	22.35		
100	QPSK	1	137	22.16	22.30	22.21	23.2	0.0
100	QPSK	1	271	22.09	22.18	21.99		
100	QPSK	135	0	22.16	22.20	22.19		
100	QPSK	135	69	22.21	22.22	22.19	23.2	0.0
100	QPSK	135	138	22.08	22.12	22.00	23.2	1.0
100	QPSK	270	0	21.85	21.80	21.81		
100	16QAM	1	1	21.86	21.89	21.91		
100	16QAM	1	1	19.95	20.00	20.02	20.7	2.5
100	16QAM	1	1	17.75	17.80	17.77	19.7	4.5
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit	MPR
				2541	2692.99	2844.88	(dB)	
90	QPSK	1	1	23.14	23.31	23.22	23.2	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
				2536.02	2692.99	2848.99	(dB)	
80	QPSK	1	1	23.14	23.33	23.07	23.2	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
				2531.01	2692.99	2856	(dB)	
70	QPSK	1	1	23.15	23.43	23.14	23.2	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
				2526	2692.99	2859.88	(dB)	
60	QPSK	1	1	22.09	22.27	22.25	23.2	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
				2511.01	2692.99	2864.88	(dB)	
50	QPSK	1	1	22.11	22.40	22.09	23.2	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
				2518.01	2692.99	2870	(dB)	
40	QPSK	1	1	22.29	22.37	22.22	23.2	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
				2513	2692.99	2874.88	(dB)	
30	QPSK	1	1	22.13	22.24	22.22	23.2	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
				2508.01	2692.99	2879.88	(dB)	
20	QPSK	1	1	22.29	22.37	22.18	23.2	0.0
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
				2503.5	2692.99	2882.48	(dB)	
15	QPSK	1	1	22.21	22.35	22.17	23.2	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
				2501.01	2692.99	2885	(dB)	
10	QPSK	1	1	22.17	22.31	22.23	23.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				50920	518998	528996		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	23.20	23.32	23.24	24.2	0.0
100	PV2 BPSK	1	137	23.25	23.30	23.28		
100	PV2 BPSK	1	271	23.20	23.22	23.22		
100	PV2 BPSK	135	0	23.04	23.15	23.02	23.7	0.5
100	PV2 BPSK	135	69	23.26	23.27	23.23	24.2	0.0
100	PV2 BPSK	135	138	23.11	23.30	23.18	23.7	0.5
100	PV2 BPSK	270	0	22.82	23.02	22.88		
100	QPSK	1	1	23.30	23.35	23.28		
100	QPSK	1	137	23.09	23.22	23.22	24.2	0.0
100	QPSK	1	271	23.03	23.18	23.12		
100	QPSK	135	0	23.04	23.12	23.01		
100	QPSK	135	69	23.09	23.25	23.18	24.2	0.0
100	QPSK	135	138	23.08	23.20	23.13	23.2	1.0
100	QPSK	270	0	22.81	22.85	22.80		
100	16QAM	1	1	22.77	22.85	22.70		
100	16QAM	1	1	21.15	21.20	21.22	21.7	2.5
100	16QAM	1	1	19.99	19.99	19.95	19.7	4.5
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit	MPR
				2541	2692.99	2844.88	(dB)	
90	QPSK	1	1	23.01	23.29	23.13	24.2	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
				2536.02	2692.99	2848.99	(dB)	
80	QPSK	1	1	23.02	23.24	23.13	24.2	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
				2531.01	2692.99	2856	(dB)	
70	QPSK	1	1	23.07	23.13	23.15	24.2	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
				2526	2692.99	2859.88	(dB)	
60	QPSK	1	1	23.05	23.22	23.11	24.2	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
				2511.01	2692.99	2864.88	(dB)	
50	QPSK	1	1	23.07	23.17	23.23	24.2	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
				2518.01	2692.99	2870	(dB)	
40	QPSK	1	1	23.20	23.15	23.12	24.2	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
				2513	2692.99	2874.88	(dB)	
30	QPSK	1	1	23.14	23.13	23.12	24.2	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
				2508.01	2692.99	2879.88	(dB)	
20	QPSK	1	1	23.20	23.17	23.16	24.2	0.0
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
				2503.5	2692.99	2882.48	(dB)	
15	QPSK	1	1	23.09	23.28	23.09	24.2	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
				2501.01	2692.99	2885	(dB)	
10	QPSK	1	1	23.17	23.22	23.15	24.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	2546.01	2692.99	2840	24.2	0.0
100	Pi/2 BPSK	1	137	23.20	23.22	23.14		
100	Pi/2 BPSK	1	271	23.20	23.29	23.26		
100	Pi/2 BPSK	135	0	23.13	23.30	23.12		
100	Pi/2 BPSK	135	69	23.08	23.28	23.18	23.2	0.0
100	Pi/2 BPSK	135	138	23.15	23.33	23.20	23.7	0.5
100	Pi/2 BPSK	270	0	23.04	23.20	23.18	24.2	0.0
100	QPSK	1	1	23.35	23.40	23.37		
100	QPSK	1	137	23.22	23.22	23.17		
100	QPSK	1	271	23.33	23.35	23.26		
100	QPSK	135	0	23.11	23.15	23.20	24.2	0.0
100	QPSK	135	69	23.13	23.25	23.22		
100	QPSK	135	138	22.80	22.55	22.52		
100	QPSK	270	0	22.58	22.70	22.55		
100	16QAM	1	1	22.85	22.80	22.77	23.2	1.0
100	64QAM	1	1	20.92	20.96	20.90	21.7	2.5
100	256QAM	1	1	19.05	19.10	19.00	19.7	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	508200	518988	528996	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	507204	518988	529988	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	506202	518988	531000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	505200	518988	531996	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	504204	518988	532998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	503202	518988	534000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	502200	518988	534996	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	501204	518988	535998	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	500700	518988	536496	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	500202	518988	537000	Tune-up limit (dBm)	MPR (dB)

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.24	24.38	24.25	25.2	0.0
100	Pi/2 BPSK	1	137	24.11	24.20	24.14		
100	Pi/2 BPSK	1	271	23.40	23.45	23.42		
100	Pi/2 BPSK	135	0	24.26	24.30	24.25		
100	Pi/2 BPSK	135	69	24.01	24.20	24.04	23.52	0.0
100	Pi/2 BPSK	135	138	23.00	23.10	23.04	24.7	0.5
100	Pi/2 BPSK	270	0	23.63	23.77	23.76	24.2	0.0
100	QPSK	1	1	24.32	24.40	24.29		
100	QPSK	1	137	23.58	23.75	23.58		
100	QPSK	1	271	22.96	22.93	22.99		
100	QPSK	135	0	23.55	23.88	23.60	25.2	0.0
100	QPSK	135	69	23.58	23.70	23.83		
100	QPSK	135	138	23.10	22.10	22.70		
100	QPSK	270	0	22.80	22.88	22.85		
100	16QAM	1	1	23.14	23.23	23.14	24.2	1.0
100	64QAM	1	1	22.08	22.10	22.00	22.7	2.5
100	256QAM	1	1	19.98	19.77	19.71	20.7	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.10	24.24	24.11	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.17	24.30	24.12	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.02	24.17	24.05	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.05	24.21	24.25	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.09	24.23	24.18	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.17	24.29	24.22	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.12	24.31	24.24	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.21	24.23	24.25	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.06	24.35	24.17	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.16	24.30	24.18	Tune-up limit (dBm)	MPR (dB)



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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)	MPR (dB)
Channel								
Frequency (MHz)				50922	51898	52800		
				2548.01	2692.99	2640		
100	PV2 BPSK	1	1	2579	25.80	25.74		
100	PV2 BPSK	1	137	25.06	25.25	25.08		
100	PV2 BPSK	1	271	25.45	25.64	25.53		
100	PV2 BPSK	135	0	25.34	25.44	25.25	26.2	0.5
100	PV2 BPSK	135	69	25.22	25.40	25.25	26.7	0.0
100	PV2 BPSK	135	138	24.58	24.73	24.80	26.2	0.5
100	PV2 BPSK	270	0	25.32	25.45	25.42		
100	QPSK	1	1	25.74	25.62	25.72		
100	QPSK	1	137	24.81	24.92	24.79	26.7	0.0
100	QPSK	1	271	24.85	24.89	24.79		
100	QPSK	135	0	24.85	24.80	24.89		
100	QPSK	135	69	24.80	24.55	24.83	26.7	0.0
100	QPSK	135	138	23.85	23.77	23.72		
100	QPSK	270	0	24.23	24.33	24.15	25.7	1.0
100	16QAM	1	1	24.41	24.55	24.54	25.7	1.0
100	16QAM	1	1	23.53	23.50	23.55	24.2	2.5
100	16QAM	1	1	21.43	21.44	21.37	22.2	4.5
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit	MPR
90	QPSK	1	1	2511	2592.99	2544.98	(dBm)	(dB)
				2512	25.90	25.59	25.7	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
80	QPSK	1	1	2514	25.69	25.63	(dBm)	(dB)
				2514	25.69	25.63	25.7	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
70	QPSK	1	1	2511	2592.99	2555	(dBm)	(dB)
				2511	25.93	25.61	25.7	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
60	QPSK	1	1	2506	2592.99	2559.98	(dBm)	(dB)
				2506	25.80	25.68	25.7	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
50	QPSK	1	1	2504	25.77	25.71	(dBm)	(dB)
				2504	25.77	25.71	25.7	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
40	QPSK	1	1	2502	25.67	25.53	(dBm)	(dB)
				2502	25.67	25.53	25.7	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
30	QPSK	1	1	2508	25.80	25.67	(dBm)	(dB)
				2508	25.80	25.67	26.7	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
20	QPSK	1	1	2504	25.63	25.61	(dBm)	(dB)
				2504	25.63	25.61	26.7	0.0
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
15	QPSK	1	1	2501	25.77	25.60	(dBm)	(dB)
				2501	25.77	25.60	26.7	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
10	QPSK	1	1	2502	25.70	25.64	(dBm)	(dB)
				2502	25.70	25.64	26.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				50922	518998	52800		
				2546.01	2692.99	2640		
100	PV2 BPSK	1	1	24.85	24.85	24.76		
100	PV2 BPSK	1	137	24.80	24.80	24.88		
100	PV2 BPSK	1	271	24.85	24.95	24.79		
100	PV2 BPSK	135	0	24.31	24.35	24.31	26.2	0.0
100	PV2 BPSK	135	69	24.73	24.75	24.77	26.2	0.0
100	PV2 BPSK	135	138	23.99	23.86	23.85	25.7	0.5
100	PV2 BPSK	270	0	23.44	23.60	23.52		
100	QPSK	1	1	24.95	25.00	24.88		
100	QPSK	1	137	24.82	24.71	24.55	26.2	0.0
100	QPSK	1	271	24.80	24.88	24.76		
100	QPSK	135	0	24.31	24.34	24.30		
100	QPSK	135	69	24.80	24.73	24.82	26.2	0.0
100	QPSK	135	138	23.81	23.91	23.74		
100	QPSK	270	0	24.05	24.10	24.02	25.2	1.0
100	16QAM	1	1	24.05	24.10	24.19	25.2	1.0
100	16QAM	1	1	22.93	22.99	22.80	23.7	2.5
100	16QAM	1	1	21.01	21.02	20.91	21.7	4.5
Channel								
Frequency (MHz)				508200	518998	528996	Tune-up limit	MPR
90	QPSK	1	1	2511	2592.99	2544.98	(dBm)	(dB)
				2511	25.90	25.69	25.7	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
80	QPSK	1	1	2514	25.69	25.63	(dBm)	(dB)
				2514	25.69	25.63	25.7	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
70	QPSK	1	1	2511	2592.99	2555	(dBm)	(dB)
				2511	25.93	25.61	25.7	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
60	QPSK	1	1	2506	2592.99	2559.98	(dBm)	(dB)
				2506	25.80	25.68	25.7	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
50	QPSK	1	1	2504	25.77	25.71	(dBm)	(dB)
				2504	25.77	25.71	25.7	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
40	QPSK	1	1	2502	25.67	25.53	(dBm)	(dB)
				2502	25.67	25.53	24.97	26.2
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
30	QPSK	1	1	2508	25.80	25.67	(dBm)	(dB)
				2508	25.80	25.67	24.97	26.2
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
20	QPSK	1	1	2504	25.63	25.61	(dBm)	(dB)
				2504	25.63	25.61	25.01	26.2
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
15	QPSK	1	1	2501	25.77	25.60	(dBm)	(dB)
				2501	25.77	25.60	25.12	26.2
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
10	QPSK	1	1	2511	25.16	25.12	(dBm)	(dB)
				2511	25.16	25.12	26.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	51898	53800		
100	QPSK	1	1	2546.01	2692.99	2840		
100	QPSK	1	1	20.12	20.20	20.10	21.2	0.0
100	QPSK	1	197	19.98	20.10	19.82		
100	QPSK	1	271	19.82	19.88	19.81		
100	QPSK	137	0	19.77	19.83	19.86		
100	QPSK	137	68	19.83	20.10	20.01	21.2	0.0
100	QPSK	137	138	20.01	19.88	19.92		
100	QPSK	273	0	18.75	18.79	18.74	19.7	1.5
100	16QAM	1	1	18.48	18.67	18.54	20.7	0.5
100	64QAM	1	1	17.91	18.06	17.92	18.2	2.0
100	256QAM	1	1	15.55	15.44	15.34	16.2	5.0
Channel								
Frequency (MHz)				500203	518988	538998	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2692.99	2844.98		
90	QPSK	1	1	19.94	20.19	20.02	21.2	0.0
80	QPSK	1	1	19.74	19.75	19.75	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2538.02	2692.99	2849.99		
80	QPSK	1	1	20.00	20.17	19.99	21.2	0.0
70	QPSK	1	1	2529.99	518998	531000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	2531.01	2692.99	2855		
70	QPSK	1	1	20.07	20.01	20.09	21.2	0.0
60	QPSK	1	1	2526	2692.99	2859.98		
60	QPSK	1	1	19.98	20.01	20.03	21.2	0.0
60	QPSK	1	1	2521.02	518998	530998	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2521.02	2692.99	2864.99		
50	QPSK	1	1	20.04	20.02	19.96	21.2	0.0
50	QPSK	1	1	250203	518988	530000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2516.01	2692.99	2870		
40	QPSK	1	1	18.88	20.13	20.05	21.2	0.0
40	QPSK	1	1	502200	518988	534998	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	2511	2692.99	2874.98		
30	QPSK	1	1	20.08	20.17	20.00	21.2	0.0
30	QPSK	1	1	501204	518988	536998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2506.02	2692.99	2879.99		
20	QPSK	1	1	20.05	20.14	20.03	21.2	0.0
20	QPSK	1	1	500700	518988	538498	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2503.5	2692.99	2882.48		
15	QPSK	1	1	20.00	20.15	20.01	21.2	0.0
15	QPSK	1	1	500202	518988	537000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	2501.01	2692.99	2885		
10	QPSK	1	1	20.01	20.16	20.06	21.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	51898	53800		
100	QPSK	1	1	2546.01	2692.99	2840		
100	QPSK	1	1	21.82	21.83	21.80	22.7	0.0
100	QPSK	1	137	20.70	21.08	20.75		
100	QPSK	1	271	20.71	21.00	20.68		
100	QPSK	137	0	20.71	20.99	20.84		
100	QPSK	137	68	20.83	21.01	20.88	22.7	0.0
100	QPSK	137	138	19.84	19.86	19.72		
100	QPSK	273	0	20.34	20.38	20.32	21.2	1.5
100	16QAM	1	1	20.48	20.85	20.76	22.2	0.5
100	64QAM	1	1	19.55	19.84	19.53	20.7	2.0
100	256QAM	1	1	17.08	17.39	17.07	17.7	5.0
Channel								
Frequency (MHz)				500203	518988	538998	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2692.99	2844.98		
90	QPSK	1	1	21.85	21.77	21.86	22.7	0.0
80	QPSK	1	1	21.79	21.71	21.85	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2538.02	2692.99	2849.99		
80	QPSK	1	1	21.79	21.71	21.85	22.7	0.0
70	QPSK	1	1	2529.99	518998	531000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	2531.01	2692.99	2855		
70	QPSK	1	1	21.72	21.79	21.85	22.7	0.0
60	QPSK	1	1	2526	2692.99	2859.98		
60	QPSK	1	1	21.84	21.83	21.73	22.7	0.0
60	QPSK	1	1	2521.02	518998	530998	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2521.02	2692.99	2864.99		
50	QPSK	1	1	21.82	21.80	21.75	22.7	0.0
50	QPSK	1	1	250203	518988	530000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2516.01	2692.99	2870		
40	QPSK	1	1	21.74	21.82	21.80	22.7	0.0
40	QPSK	1	1	502200	518988	534998	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	2511	2692.99	2874.98		
30	QPSK	1	1	21.75	21.85	21.82	22.7	0.0
30	QPSK	1	1	501204	518988	536998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2506.02	2692.99	2879.99		
20	QPSK	1	1	21.70	21.81	21.71	22.7	0.0
20	QPSK	1	1	500700	518988	538498	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2503.5	2692.99	2882.48		
15	QPSK	1	1	21.70	21.80	21.80	22.2	0.0
15	QPSK	1	1	500202	518988	537000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	2501.01	2692.99	2885		
10	QPSK	1	1	21.83	21.81	21.74	22.7	0.0



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel	505992	518598	530009					
Frequency (MHz)	2548.01	2592.99	2640					
100	QPSK	1	1	21.15	21.25	21.21	22.2	0.0
100	QPSK	1	137	21.02	21.09	21.08		
100	QPSK	1	271	21.10	21.12	20.94		
100	QPSK	137	0	21.02	21.10	21.12		
100	QPSK	137	68	20.95	21.15	21.11	22.2	0.0
100	QPSK	137	138	21.04	21.04	20.94		
100	QPSK	273	0	20.99	20.10	19.99	20.7	1.5
100	16QAM	1	1	21.05	21.15	21.11	21.7	0.5
100	64QAM	1	1	19.08	19.22	19.21	20.2	2.0
100	256QAM	1	1	18.22	18.35	18.25	17.2	5.0
Channel	518598	530998		Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2541	2592.99	2644.98					
90	QPSK	1	1	21.01	21.10	21.08	22.2	0.0
Channel	52704	518598	530998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2538.02	2592.99	2649.99					
80	QPSK	1	1	21.07	21.10	21.11	22.2	0.0
Channel	52629	518598	531009	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2531.01	2592.99	2655					
70	QPSK	1	1	21.00	21.10	21.09	22.2	0.0
Channel	52500	518598	531998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2528	2592.99	2659.98					
60	QPSK	1	1	21.11	21.23	21.09	22.2	0.0
Channel	52404	518598	532998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2521.02	2592.99	2664.99					
50	QPSK	1	1	21.13	21.21	21.17	22.2	0.0
Channel	52302	518598	534009	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2516.01	2592.99	2670					
40	QPSK	1	1	21.08	21.11	21.09	22.2	0.0
Channel	52200	518598	534998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2511	2592.99	2674.98					
30	QPSK	1	1	21.15	21.03	21.04	22.2	0.0
Channel	52104	518598	535998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2506.02	2592.99	2679.99					
20	QPSK	1	1	21.09	21.07	21.03	22.2	0.0
Channel	52000	518598	536998	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2503.5	2592.99	2682.48					
15	QPSK	1	1	21.03	21.03	21.03	22.2	0.0
Channel	52002	518598	537009	Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)	2501.01	2592.99	2685					
10	QPSK	1	1	20.98	21.24	21.15	22.2	0.0



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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)	MPR (dB)
Channel				636900	641666	646332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	24.20	24.21	24.12	25.2	0.0
40	PV2 BPSK	1	53	24.07	24.13	24.00		
40	PV2 BPSK	1	104	24.03	24.18	24.08		
40	PV2 BPSK	50	0	21.48	21.65	21.48	24.7	0.5
40	PV2 BPSK	50	26	24.03	24.11	23.95	25.2	0.0
40	PV2 BPSK	50	56	21.51	21.51	21.33	22.2	0.5
40	PV2 BPSK	100	0	21.41	21.54	21.51		
40	QPSK	1	1	24.14	24.25	24.16	25.2	0.0
40	QPSK	1	53	23.92	24.10	24.00		
40	QPSK	1	104	24.04	24.17	23.98		
40	QPSK	50	0	20.93	21.12	20.94	25.2	0.0
40	QPSK	50	26	23.88	24.04	24.02		
40	QPSK	50	56	21.04	21.06	21.06		
40	QPSK	100	0	20.98	21.08	20.90	22.2	1.0
40	16QAM	1	1	23.06	23.13	22.96	24.2	1.0
40	64QAM	1	1	21.70	21.74	21.67	22.7	2.5
40	256QAM	1	1	19.52	19.63	19.60	20.7	4.5
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3501.11	3524.69	3569	(dBm)	(dB)
20	QPSK	1	1	24.14	24.19	24.01	25.2	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3505	3524.69	3584.68	(dBm)	(dB)
10	QPSK	1	1	24.19	24.20	24.04	25.2	0.0

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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)	MPR (dB)
Channel				636900	641666	646332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	24.07	24.21	24.18	25.2	0.0
40	PV2 BPSK	1	53	24.01	24.20	24.11		
40	PV2 BPSK	1	104	24.11	24.22	24.19		
40	PV2 BPSK	50	0	21.50	21.67	21.56	24.7	0.5
40	PV2 BPSK	50	26	24.03	24.18	24.12	25.2	0.0
40	PV2 BPSK	50	56	21.53	21.66	21.58	22.2	0.5
40	PV2 BPSK	100	0	21.60	21.68	21.59		
40	QPSK	1	1	24.25	24.21	24.21	25.2	0.0
40	QPSK	1	53	24.16	24.16	24.13		
40	QPSK	1	104	24.22	24.23	24.18		
40	QPSK	50	0	21.06	21.20	21.15	25.2	0.0
40	QPSK	50	26	24.14	24.19	24.17		
40	QPSK	50	56	21.07	21.20	21.17		
40	QPSK	100	0	21.06	21.15	21.11	22.2	1.0
40	16QAM	1	1	23.30	23.12	23.14	24.2	1.0
40	64QAM	1	1	21.90	22.20	22.17	22.7	2.5
40	256QAM	1	1	19.46	19.73	19.68	20.7	4.5
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3501.11	3524.69	3569	(dBm)	(dB)
20	QPSK	1	1	24.11	24.05	23.98	25.2	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3505	3524.69	3584.68	(dBm)	(dB)
10	QPSK	1	1	24.10	24.14	24.02	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	23.03	23.15	23.10	24.2	0.0
100	PV2 BPSK	1	137	23.11	23.02	23.04		
100	PV2 BPSK	1	271	22.94	22.94	22.94		
100	PV2 BPSK	135	0	23.06	22.91	22.93	23.7	0.5
100	PV2 BPSK	135	69	23.06	22.98	23.00	24.2	0.0
100	PV2 BPSK	135	138	23.07	22.97	23.00	23.7	0.5
100	PV2 BPSK	270	0	23.02	22.94	22.90	24.2	0.0
100	QPSK	1	1	23.15	23.10	23.11		
100	QPSK	1	137	23.11	23.03	23.09		
100	QPSK	1	271	22.88	22.90	23.00	24.2	0.0
100	QPSK	135	0	22.88	22.96	22.90		
100	QPSK	135	69	22.92	23.03	22.98		
100	QPSK	135	138	22.88	22.91	22.95	23.2	1.0
100	QPSK	270	0	22.91	23.00	22.97	23.2	1.0
100	16QAM	1	1	22.93	22.86	22.88	23.2	1.0
100	64QAM	1	1	21.89	21.59	21.50	21.7	2.5
100	256QAM	1	1	19.35	19.30	19.25	19.7	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	646668	650000	665332	Tune-up limit (dBm)	MPR (dB)

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	25.02	25.10	25.00	26.7	0.0
100	PV2 BPSK	1	137	25.09	25.13	25.13		
100	PV2 BPSK	1	271	24.92	25.02	24.92		
100	PV2 BPSK	135	0	24.49	24.59	24.49	26.2	0.5
100	PV2 BPSK	135	69	25.01	25.08	25.08	26.7	0.0
100	PV2 BPSK	135	138	24.82	24.57	24.47	26.2	0.5
100	PV2 BPSK	270	0	24.59	24.65	24.52	26.7	0.0
100	QPSK	1	1	25.15	25.16	25.15		
100	QPSK	1	137	25.10	25.13	25.14		
100	QPSK	1	271	24.96	25.04	25.02	26.7	0.0
100	QPSK	135	0	24.48	24.51	24.42		
100	QPSK	135	69	24.99	25.05	25.00		
100	QPSK	135	138	24.50	24.45	24.37	25.7	1.0
100	QPSK	270	0	23.94	23.97	23.89	25.7	1.0
100	16QAM	1	1	24.07	24.02	23.97	25.7	1.0
100	64QAM	1	1	22.56	22.54	22.48	24.2	2.5
100	256QAM	1	1	20.26	20.32	20.36	22.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	662332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	662666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	663332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	663666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	664332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	664666	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	646668	650000	665332	Tune-up limit (dBm)	MPR (dB)



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3499.98	23.37			
100	PI2 BPSK	1	137	23.41	23.41		24.2	0.0
100	PI2 BPSK	1	271	23.40	23.40			
100	PI2 BPSK	135	0	23.38	23.38		23.7	0.5
100	PI2 BPSK	135	69	23.38	23.38		24.2	0.0
100	PI2 BPSK	135	138	23.32	23.32		23.7	0.5
100	PI2 BPSK	270	0	23.32	23.32		24.87	0.0
100	QPSK	1	1	23.50	23.50			
100	QPSK	1	137	23.44	23.44		24.2	0.0
100	QPSK	1	271	23.47	23.47			
100	QPSK	135	0	23.32	23.32		24.2	0.0
100	QPSK	135	69	23.40	23.40		24.2	0.0
100	QPSK	135	138	23.30	23.30		23.2	1.0
100	QPSK	270	0	22.31	22.31		23.2	1.0
100	16QAM	1	1	22.33	22.33		23.2	1.0
100	16QAM	1	1	21.70	21.70		21.7	2.5
100	256QAM	1	1	19.01	19.01		19.7	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63332	63666	Tune-up limit	MPR
				348.9	348.9	354.9	(dBm)	(dB)
				23.07	23.32	23.12	24.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63332	63400	Tune-up limit	MPR
				348.02	348.9	351.0	(dBm)	(dB)
				23.24	23.29	23.29	24.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63332	63432	Tune-up limit	MPR
				348.01	348.9	351.4	(dBm)	(dB)
				23.23	23.30	23.30	24.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63332	63466	Tune-up limit	MPR
				348.0	348.9	351.9	(dBm)	(dB)
				23.06	23.22	23.29	24.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63332	63500	Tune-up limit	MPR
				347.92	348.9	352	(dBm)	(dB)
				23.15	23.26	23.18	24.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63332	63532	Tune-up limit	MPR
				347.91	348.9	352.9	(dBm)	(dB)
				23.18	23.31	23.29	24.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63332	63566	Tune-up limit	MPR
				347.85	348.9	353.9	(dBm)	(dB)
				23.24	23.27	23.20	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63332	63600	Tune-up limit	MPR
				348.09	348.9	354.0	(dBm)	(dB)
				23.15	23.29	23.14	24.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63050	63332	63668	Tune-up limit	MPR
				347.8	348.9	354.9	(dBm)	(dB)
				23.11	23.35	23.24	24.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63332	63632	Tune-up limit	MPR
				345.01	348.9	354.9	(dBm)	(dB)
				23.24	23.30	23.29	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3499.98	25.40			
100	PI2 BPSK	1	137	25.47	25.47		26.7	0.0
100	PI2 BPSK	1	271	25.40	25.40			
100	PI2 BPSK	135	0	25.42	25.42		26.2	0.5
100	PI2 BPSK	135	69	25.42	25.42		26.7	0.0
100	PI2 BPSK	135	138	24.95	24.95		26.2	0.5
100	PI2 BPSK	270	0	24.87	24.87		24.87	0.0
100	QPSK	1	1	25.55	25.55			
100	QPSK	1	137	25.40	25.40		26.7	0.0
100	QPSK	1	271	25.51	25.51			
100	QPSK	135	0	25.38	25.38		26.7	0.0
100	QPSK	135	69	25.43	25.43		26.7	0.0
100	QPSK	135	138	24.39	24.39		25.7	1.0
100	QPSK	270	0	25.38	25.38		25.7	1.0
100	16QAM	1	1	24.48	24.48		25.7	1.0
100	16QAM	1	1	24.78	24.78		24.2	2.5
100	256QAM	1	1	21.06	21.06		22.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63332	63666	Tune-up limit	MPR
				349.0	349.9	354.9	(dBm)	(dB)
				25.40	25.42	25.46	26.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63332	63400	Tune-up limit	MPR
				348.02	348.9	351.0	(dBm)	(dB)
				25.37	25.49	25.39	26.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	63234	63332	63432	Tune-up limit	MPR
				348.01	348.9	351.4	(dBm)	(dB)
				25.42	25.39	25.43	26.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	63200	63332	63466	Tune-up limit	MPR
				348.0	348.9	351.9	(dBm)	(dB)
				25.37	25.40	25.34	26.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63166	63332	63500	Tune-up limit	MPR
				347.92	348.9	352	(dBm)	(dB)
				25.33	25.35	25.32	26.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	63134	63332	63532	Tune-up limit	MPR
				347.91	348.9	352.9	(dBm)	(dB)
				25.45	25.44	25.31	26.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63332	63566	Tune-up limit	MPR
				347.85	348.9	353.9	(dBm)	(dB)
				25.37	25.48	25.47	26.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	63068	63332	63600	Tune-up limit	MPR
				348.09	348.9	354.0	(dBm)	(dB)
				25.47	25.45	25.43	26.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	63050	63332	63668	Tune-up limit	MPR
				347.8	348.9	354.9	(dBm)	(dB)
				25.35	25.51	25.43	26.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	63034	63332	63632	Tune-up limit	MPR
				345.01	348.9	354.9	(dBm)	(dB)
				25.44	25.49	25.30	26.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				650000	660000	660000		
100	QPSK	1	1	3760	3840	3930		
100	QPSK	1	1	21.22	21.28	21.15	22.2	0.0
100	QPSK	1	197	21.20	21.07	21.03		
100	QPSK	1	271	21.20	20.97	21.01		
100	QPSK	137	0	21.16	21.11	20.95		
100	QPSK	137	68	21.24	21.07	20.95	22.2	0.0
100	QPSK	137	138	21.25	20.97	20.98		
100	QPSK	273	0	21.17	21.07	20.98	22.2	0.0
100	16QAM	1	1	21.21	21.14	20.92	22.2	0.0
100	64QAM	1	1	21.10	21.04	21.17	22.2	0.0
100	256QAM	1	1	18.21	18.23	18.44	19.7	2.5
Channel				652968	652000	653332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	21.05	21.20	21.09	22.2	0.0
Channel				642343	652000	652956	Tune-up limit	MPR
Frequency (MHz)				3749.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	21.03	21.13	21.03	22.2	0.0
Channel				649200	652000	653000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.10	21.21	21.07	22.2	0.0
Channel				649668	652000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	21.10	21.24	21.07	22.2	0.0
Channel				646343	652000	653956	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	21.18	21.22	21.06	22.2	0.0
Channel				646000	652000	653000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.11	21.22	21.04	22.2	0.0
Channel				647668	652000	654332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	21.11	21.23	21.03	22.2	0.0
Channel				647334	652000	654666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	21.07	21.11	21.05	22.2	0.0
Channel				647168	652000	654932	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	21.04	21.10	21.00	22.2	0.0
Channel				647000	652000	655000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	21.08	21.25	21.00	22.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633000	633332	633966		
100	QPSK	1	1	3495	3499.98	3504.99		
100	QPSK	1	1	21.22	21.20	21.20	22.2	0.0
100	QPSK	1	197	21.18	21.09	21.20		
100	QPSK	1	271	21.18	21.29	21.20		
100	QPSK	137	0	21.18	21.29	21.20	22.2	0.0
100	QPSK	137	68	21.24	21.09	21.15	22.2	0.0
100	QPSK	137	138	21.25	21.09	21.15		
100	QPSK	273	0	21.21	21.11	21.15	22.2	0.0
100	16QAM	1	1	21.23	21.14	21.00	22.2	0.0
100	64QAM	1	1	21.10	21.04	21.17	22.2	0.0
100	256QAM	1	1	18.21	18.23	18.44	19.7	2.5
Channel				633000	633332	633966	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	21.22	21.20	21.20	22.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	21.18	21.29	21.20	22.2	0.0
Channel				632343	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	21.21	21.21	21.15	22.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	21.13	21.11	21.10	22.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	21.28	21.29	21.22	22.2	0.0
Channel				631343	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3530.98	(dBm)	(dB)
40	QPSK	1	1	21.24	21.16	21.00	22.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	21.11	21.17	21.00	22.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	21.12	21.15	21.11	22.2	0.0
Channel				630300	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	21.09	21.13	21.10	22.2	0.0
Channel				630000	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	21.29	21.19	21.10	22.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3930		
100	PV2 BPSK	1	1	21.52	21.42	21.34	22.7	0.0
100	PV2 BPSK	1	137	21.43	21.44	21.45		
100	PV2 BPSK	1	271	21.25	21.29	21.24		
100	PV2 BPSK	135	0	21.53	21.43	21.36	22.2	0.5
100	PV2 BPSK	135	69	21.50	21.43	21.35	22.7	0.0
100	PV2 BPSK	135	138	21.33	21.32	21.25	22.2	0.5
100	PV2 BPSK	270	0	21.44	21.39	21.46		
100	QPSK	1	1	21.66	21.65	21.62	22.7	0.0
100	QPSK	1	137	21.57	21.66	21.55		
100	QPSK	1	271	21.35	21.35	21.35		
100	QPSK	135	0	21.47	21.45	21.40		
100	QPSK	135	69	21.52	21.53	21.44	22.7	0.0
100	QPSK	135	138	21.36	21.27	21.34		
100	QPSK	270	0	21.02	21.07	21.05	21.7	1.0
100	16QAM	1	1	21.05	21.10	21.08	21.7	1.0
100	64QAM	1	1	19.45	19.40	19.42	20.2	2.5
100	256QAM	1	1	17.48	17.50	17.55	19.2	4.5
Channel								
Frequency (MHz)				649668	650000	662332	Tune-up limit	MPR
90	QPSK	1	1	3743.02	3840	3934.98	(dBm)	(dB)
Channel				649334	650000	662666	Tune-up limit	MPR
80	QPSK	1	1	21.34	21.30	21.23	22.7	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
70	QPSK	1	1	21.33	21.32	21.18	22.7	0.0
Channel				648668	650000	663332	Tune-up limit	MPR
60	QPSK	1	1	21.41	21.27	21.22	22.7	0.0
Channel				648334	650000	663666	Tune-up limit	MPR
50	QPSK	1	1	21.34	21.24	21.30	22.7	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
40	QPSK	1	1	21.44	21.24	21.15	22.7	0.0
Channel				647668	650000	664332	Tune-up limit	MPR
30	QPSK	1	1	21.33	21.42	21.29	22.7	0.0
Channel				647334	650000	664500	Tune-up limit	MPR
25	QPSK	1	1	21.50	21.39	21.30	22.7	0.0
Channel				647000	650000	664666	Tune-up limit	MPR
20	QPSK	1	1	21.46	21.32	21.31	22.7	0.0
Channel				647168	650000	664832	Tune-up limit	MPR
15	QPSK	1	1	21.38	21.27	21.29	22.7	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
10	QPSK	1	1	21.44	21.42	21.34	22.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3760	3840	3930		
100	PV2 BPSK	1	1	23.87	23.82	23.83	25.2	0.0
100	PV2 BPSK	1	137	23.85	23.86	23.84		
100	PV2 BPSK	1	271	23.86	23.95	23.93		
100	PV2 BPSK	135	0	23.33	23.37	23.37	24.7	0.5
100	PV2 BPSK	135	69	23.85	23.90	23.90	25.2	0.0
100	PV2 BPSK	135	138	23.48	23.44	23.43	24.7	0.5
100	PV2 BPSK	270	0	23.35	23.40	23.34		
100	QPSK	1	1	23.94	23.97	23.93	25.2	0.0
100	QPSK	1	137	23.89	23.86	23.90		
100	QPSK	1	271	23.86	23.92	23.89		
100	QPSK	135	0	23.86	23.85	23.83		
100	QPSK	135	69	23.84	23.92	23.90	25.2	0.0
100	QPSK	135	138	23.60	23.55	23.62		
100	QPSK	270	0	23.10	23.12	23.11	24.2	1.0
100	16QAM	1	1	23.00	23.02	23.08	24.2	1.0
100	64QAM	1	1	21.53	21.57	21.46	22.7	2.5
100	256QAM	1	1	19.40	19.38	19.29	20.7	4.5
Channel								
Frequency (MHz)				648668	650000	662332	Tune-up limit	MPR
90	QPSK	1	1	3743.02	3840	3934.98	(dBm)	(dB)
Channel				648334	650000	662666	Tune-up limit	MPR
80	QPSK	1	1	23.81	23.83	23.80	25.2	0.0
Channel				648000	650000	663000	Tune-up limit	MPR
70	QPSK	1	1	23.84	23.83	23.78	25.2	0.0
Channel				648668	650000	663332	Tune-up limit	MPR
60	QPSK	1	1	23.87	23.85	23.82	25.2	0.0
Channel				648334	650000	663666	Tune-up limit	MPR
50	QPSK	1	1	23.84	23.81	23.78	25.2	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
40	QPSK	1	1	23.81	23.80	23.72	25.2	0.0
Channel				647668	650000	664332	Tune-up limit	MPR
30	QPSK	1	1	23.87	23.81	23.70	25.2	0.0
Channel				647334	650000	664500	Tune-up limit	MPR
25	QPSK	1	1	23.74	23.83	23.78	25.2	0.0
Channel				647000	650000	664666	Tune-up limit	MPR
20	QPSK	1	1	23.80	23.75	23.80	25.2	0.0
Channel				647168	650000	664832	Tune-up limit	MPR
15	QPSK	1	1	23.81	23.81	23.70	25.2	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
10	QPSK	1	1	23.87	23.79	23.73	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63666		
100	PV2 BPSK	1	1	21.41	21.41	21.41	22.7	0.0
100	PV2 BPSK	1	137	21.46	21.46	21.46		
100	PV2 BPSK	1	271	21.35	21.35	21.35		
100	PV2 BPSK	135	0	21.38	21.38	21.38	22.2	0.5
100	PV2 BPSK	135	69	21.41	21.41	21.41	22.7	0.0
100	PV2 BPSK	135	138	21.28	21.28	21.28	22.2	0.5
100	PV2 BPSK	270	0	21.40	21.40	21.40		
100	QPSK	1	1	21.61	21.61	21.61		
100	QPSK	1	137	21.53	21.53	21.53	22.7	0.0
100	QPSK	1	271	21.13	21.13	21.13		
100	QPSK	135	0	21.27	21.27	21.27		
100	QPSK	135	69	21.44	21.44	21.44	22.7	0.0
100	QPSK	135	138	21.17	21.17	21.17	21.7	1.0
100	QPSK	270	0	21.10	21.10	21.10		
100	16QAM	1	1	21.15	21.15	21.15	21.7	1.0
100	16QAM	1	1	19.42	19.42	19.42	20.2	2.5
100	16QAM	1	1	17.32	17.32	17.32	19.2	4.5
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3405	3409.08	3514.89	(dBm)	(dB)
				21.50	21.37	21.45	22.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3401.02	3409.08	3510	(dBm)	(dB)
				21.47	21.33	21.33	22.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3405.01	3409.08	3514.89	(dBm)	(dB)
				21.54	21.33	21.33	22.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3400	3409.08	3519.89	(dBm)	(dB)
				21.41	21.35	21.44	22.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3405.02	3409.08	3525	(dBm)	(dB)
				21.43	21.41	21.45	22.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3403.01	3409.08	3529.89	(dBm)	(dB)
				21.38	21.43	21.31	22.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3405	3409.08	3534.89	(dBm)	(dB)
				21.43	21.54	21.32	22.7	0.0
Channel								
Frequency (MHz)				63068	63332	63582	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	3405.51	3409.08	3537.88	(dBm)	(dB)
				21.34	21.49	21.40	22.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3409.02	3409.08	3540	(dBm)	(dB)
				21.48	21.54	21.33	22.7	0.0
Channel								
Frequency (MHz)				63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3407.5	3409.08	3542.45	(dBm)	(dB)
				21.43	21.52	21.44	22.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3405.01	3409.08	3544.88	(dBm)	(dB)
				21.47	21.44	21.38	22.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63666		
100	PV2 BPSK	1	1	24.15	24.15	24.15	25.2	0.0
100	PV2 BPSK	1	137	24.36	24.36	24.36		
100	PV2 BPSK	1	271	24.04	24.04	24.04		
100	PV2 BPSK	135	0	23.59	23.59	23.59	24.7	0.5
100	PV2 BPSK	135	69	23.98	23.98	23.98	25.2	0.0
100	PV2 BPSK	135	138	23.42	23.42	23.42	24.7	0.5
100	PV2 BPSK	270	0	23.41	23.41	23.41		
100	QPSK	1	1	24.17	24.17	24.17		
100	QPSK	1	137	24.01	24.01	24.01	25.2	0.0
100	QPSK	1	271	24.08	24.08	24.08		
100	QPSK	135	0	23.80	23.80	23.80		
100	QPSK	135	69	23.98	23.98	23.98	25.2	0.0
100	QPSK	135	138	23.51	23.51	23.51	24.2	1.0
100	QPSK	270	0	23.55	23.55	23.55	24.2	1.0
100	16QAM	1	1	23.40	23.40	23.40	24.2	1.0
100	16QAM	1	1	21.82	21.82	21.82	22.7	2.5
100	16QAM	1	1	19.44	19.44	19.44	20.7	4.5
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3405	3409.08	3514.89	(dBm)	(dB)
				23.95	24.01	24.07	25.2	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3401.02	3409.08	3510	(dBm)	(dB)
				23.91	24.07	24.14	25.2	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3405.01	3409.08	3514.89	(dBm)	(dB)
				24.00	24.07	23.53	25.2	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3400	3409.08	3519.89	(dBm)	(dB)
				24.04	24.05	23.39	25.2	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3405.02	3409.08	3525	(dBm)	(dB)
				24.01	24.03	23.97	25.2	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3403.01	3409.08	3529.89	(dBm)	(dB)
				24.10	24.10	24.08	25.2	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3405	3409.08	3534.89	(dBm)	(dB)
				24.08	23.99	24.05	25.2	0.0
Channel								
Frequency (MHz)				63068	63332	63582	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	3405.51	3409.08	3537.88	(dBm)	(dB)
				24.03	24.05	24.10	25.2	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3409.02	3409.08	3540	(dBm)	(dB)
				24.04	24.07	23.98	25.2	0.0
Channel								
Frequency (MHz)				63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3407.5	3409.08	3542.45	(dBm)	(dB)
				23.97	24.02	24.12	25.2	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3405.01	3409.08	3544.88	(dBm)	(dB)
				24.07	24.04	23.99	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	20.00	20.05	19.86	20.7	0.0
100	QPSK	1	197	19.96	19.82	19.77		
100	QPSK	1	271	19.90	19.79	19.80		
100	QPSK	137	0	20.00	19.91	19.83		
100	QPSK	137	68	19.97	19.92	19.85	20.7	0.0
100	QPSK	137	138	19.85	19.78	19.47		
100	QPSK	273	0	20.00	19.92	19.85		
100	16QAM	1	1	19.94	19.98	19.45		
100	64QAM	1	1	20.02	19.95	19.82	20.7	0.0
100	256QAM	1	1	17.33	17.24	17.16	18.2	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.87	19.82	19.81	20.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.83	19.83	19.78	20.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.00	20.02	19.72	20.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.83	19.83	19.75	20.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.88	19.83	19.85	20.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.55	19.82	19.63	20.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.07	19.80	19.72	20.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.10	19.80	19.70	20.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.29	19.81	19.72	20.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.94	19.87	19.80	20.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1		20.15		20.7	0.0
100	QPSK	1	137		20.00			
100	QPSK	1	271		20.08			
100	QPSK	137	0		20.07			
100	QPSK	137	68		19.98		20.7	0.0
100	QPSK	137	138		20.00			
100	QPSK	273	0		20.03			
100	16QAM	1	1		20.10			
100	64QAM	1	1		20.13		20.7	0.0
100	256QAM	1	1		17.35		18.2	2.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.11	19.89	19.14	20.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.14	20.10	20.12	20.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.98	19.98	19.97	20.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.80	19.88	19.97	20.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.87	19.88	19.85	20.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.02	19.89	19.80	20.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.65	19.84	19.80	20.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.12	19.85	19.80	20.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.05	19.87	19.82	20.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.97	20.14	20.08	20.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	23.04	22.97	22.98	24.2	0.0
100	Pi/2 BPSK	1	137	22.96	22.93	23.00		
100	Pi/2 BPSK	1	271	23.01	23.03	23.02		
100	Pi/2 BPSK	135	0	22.98	22.96	22.99		
100	Pi/2 BPSK	135	69	22.94	22.91	22.95		
100	Pi/2 BPSK	135	138	23.02	22.93	23.01		
100	Pi/2 BPSK	270	0	22.94	22.92	22.85		
100	QPSK	1	1	23.12	23.15	23.09		
100	QPSK	1	137	23.06	23.10	23.07		
100	QPSK	1	271	23.09	23.11	23.11		
100	QPSK	135	0	22.90	22.80	22.90		
100	QPSK	135	69	22.92	22.85	22.93		
100	QPSK	135	138	22.88	22.91	22.92		
100	QPSK	270	0	22.92	22.92	22.90		
100	16QAM	1	1	22.88	22.85	22.88		
100	16QAM	1	1	21.31	21.24	21.28		
100	256QAM	1	1	19.33	19.30	19.29		
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	662332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	662966	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	663000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	663332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	663666	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	647999	650000	664000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	664332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	664666	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	665000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	646668	650000	665332	Tune-up limit	MPR

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.92	24.97	24.88	26.7	0.0
100	Pi/2 BPSK	1	137	25.05	25.03	25.03		
100	Pi/2 BPSK	1	271	25.10	25.09	25.14		
100	Pi/2 BPSK	135	0	24.41	24.47	24.38		
100	Pi/2 BPSK	135	69	25.06	25.05	25.09		
100	Pi/2 BPSK	135	138	24.53	24.51	24.55		
100	Pi/2 BPSK	270	0	24.40	24.44	24.48		
100	QPSK	1	1	25.16	25.25	25.21		
100	QPSK	1	137	25.13	25.20	25.19		
100	QPSK	1	271	25.15	25.17	25.11		
100	QPSK	135	0	24.53	24.57	24.52		
100	QPSK	135	69	24.38	25.09	25.07		
100	QPSK	135	138	24.65	24.60	24.52		
100	QPSK	270	0	23.95	24.02	23.94		
100	16QAM	1	1	24.20	24.17	24.15		
100	16QAM	1	1	22.28	22.38	22.29		
100	256QAM	1	1	20.85	20.99	20.82		
Channel								
Frequency (MHz)								
90	QPSK	1	1	649172	650000	662468	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	648838	650000	662802	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	648504	650000	663136	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	648170	650000	663470	Tune-up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	647836	650000	663804	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	647502	650000	664138	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	647168	650000	664472	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	646834	650000	664806	Tune-up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	646500	650000	665140	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	646166	650000	665474	Tune-up limit	MPR



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	23.18	23.18	23.18	24.2	0.0
100	PV2 BPSK	1	137	23.10	23.10	23.10		
100	PV2 BPSK	1	271	23.20	23.20	23.20		
100	PV2 BPSK	135	0	23.16	23.16	23.16	23.7	0.5
100	PV2 BPSK	135	69	23.14	23.14	23.14	23.2	0.0
100	PV2 BPSK	135	138	23.10	23.10	23.10	23.7	0.5
100	PV2 BPSK	270	0	23.04	23.04	23.04		
100	QPSK	1	1	23.20	23.20	23.20		
100	QPSK	1	137	23.14	23.14	23.14	24.2	0.0
100	QPSK	1	271	23.22	23.22	23.22		
100	QPSK	135	0	23.15	23.15	23.15		
100	QPSK	135	69	23.20	23.20	23.20	24.2	0.0
100	QPSK	135	138	23.08	23.08	23.08	23.2	1.0
100	QPSK	270	0	23.07	23.07	23.07	23.2	0.0
100	16QAM	1	1	23.08	23.08	23.08	23.2	1.0
100	16QAM	1	1	20.71	20.71	20.71	21.7	2.5
100	16QAM	1	1	18.79	18.79	18.79	19.7	4.5
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit	MPR
90	QPSK	1	1	345	349.98	354.96	(dB)	(dB)
Channel				63332	63332	63400	Tune-up limit	MPR
Frequency (MHz)				63268	63332	63400	(dB)	(dB)
80	QPSK	1	1	23.28	23.11	23.12	24.2	0.0
Channel				63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)				63234	63332	63432	(dB)	(dB)
70	QPSK	1	1	23.20	23.13	23.15	24.2	0.0
Channel				63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)				63200	63332	63466	(dB)	(dB)
60	QPSK	1	1	23.21	23.25	23.25	24.2	0.0
Channel				63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)				63168	63332	63500	(dB)	(dB)
50	QPSK	1	1	23.28	23.23	23.18	24.2	0.0
Channel				63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)				63134	63332	63532	(dB)	(dB)
40	QPSK	1	1	23.18	23.24	23.20	24.2	0.0
Channel				63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)				63100	63332	63566	(dB)	(dB)
30	QPSK	1	1	23.17	23.25	23.10	24.2	0.0
Channel				63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)				63068	63332	63600	(dB)	(dB)
20	QPSK	1	1	23.17	23.13	23.13	24.2	0.0
Channel				63050	63332	63616	Tune-up limit	MPR
Frequency (MHz)				63050	63332	63616	(dB)	(dB)
15	QPSK	1	1	23.19	23.28	23.18	24.2	0.0
Channel				63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)				63034	63332	63632	(dB)	(dB)
10	QPSK	1	1	23.17	23.11	23.25	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	25.21	25.21	25.21	26.7	0.0
100	PV2 BPSK	1	137	25.10	25.10	25.10		
100	PV2 BPSK	1	271	25.22	25.22	25.22		
100	PV2 BPSK	135	0	24.75	24.75	24.75	26.2	0.5
100	PV2 BPSK	135	69	25.14	25.14	25.14	26.7	0.0
100	PV2 BPSK	135	138	24.67	24.67	24.67	26.2	0.5
100	PV2 BPSK	270	0	24.65	24.65	24.65		
100	QPSK	1	1	25.20	25.20	25.20		
100	QPSK	1	137	25.17	25.17	25.17	26.7	0.0
100	QPSK	1	271	25.33	25.33	25.33		
100	QPSK	135	0	24.88	24.88	24.88		
100	QPSK	135	69	25.11	25.11	25.11	26.7	0.0
100	QPSK	135	138	24.68	24.68	24.68	25.7	1.0
100	QPSK	270	0	24.93	24.93	24.93	25.7	1.0
100	16QAM	1	1	24.16	24.16	24.16	25.7	1.0
100	16QAM	1	1	22.81	22.81	22.81	24.2	2.5
100	16QAM	1	1	20.74	20.74	20.74	22.2	4.5
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit	MPR
90	QPSK	1	1	345	349.98	354.96	(dB)	(dB)
Channel				63332	63332	63400	Tune-up limit	MPR
Frequency (MHz)				63268	63332	63400	(dB)	(dB)
80	QPSK	1	1	23.23	23.29	23.33	23.7	0.0
Channel				63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)				63234	63332	63432	(dB)	(dB)
70	QPSK	1	1	23.23	23.29	23.24	23.7	0.0
Channel				63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)				63200	63332	63466	(dB)	(dB)
60	QPSK	1	1	25.26	25.31	25.24	26.7	0.0
Channel				63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)				63168	63332	63500	(dB)	(dB)
50	QPSK	1	1	25.30	25.29	25.39	26.7	0.0
Channel				63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)				63134	63332	63532	(dB)	(dB)
40	QPSK	1	1	25.26	25.23	25.20	26.7	0.0
Channel				63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)				63100	63332	63566	(dB)	(dB)
30	QPSK	1	1	25.33	25.38	25.38	26.7	0.0
Channel				63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)				63068	63332	63600	(dB)	(dB)
20	QPSK	1	1	25.32	25.36	25.25	26.7	0.0
Channel				63050	63332	63616	Tune-up limit	MPR
Frequency (MHz)				63050	63332	63616	(dB)	(dB)
15	QPSK	1	1	25.17	25.39	25.22	26.7	0.0
Channel				63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)				63034	63332	63632	(dB)	(dB)
10	QPSK	1	1	25.20	25.23	25.34	26.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	20.94	20.98	20.89	21.7	0.0
100	QPSK	1	197	20.90	20.81	20.73		
100	QPSK	1	271	20.85	20.80	20.83		
100	QPSK	137	0	20.79	20.74	20.73	21.7	0.0
100	QPSK	137	68	20.88	20.83	20.75		
100	QPSK	137	138	20.90	20.74	20.82		
100	QPSK	273	0	20.84	20.82	20.76	21.7	0.0
100	16QAM	1	1	20.73	20.53	20.68	21.7	0.0
100	64QAM	1	1	20.96	20.88	20.94	21.7	0.0
100	256QAM	1	1	18.70	18.59	18.78	19.7	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.79	20.57	20.83	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.63	20.65	20.73	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.90	20.83	20.84	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.85	20.86	20.75	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.75	20.86	20.84	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.67	20.85	20.85	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.11	20.89	20.72	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.18	20.84	20.83	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.09	20.57	20.85	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.08	20.60	20.70	21.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1		20.99		21.7	0.0
100	QPSK	1	197		20.83			
100	QPSK	1	271		20.96			
100	QPSK	137	0		20.88		21.7	0.0
100	QPSK	137	68		20.92			
100	QPSK	137	138		20.85			
100	QPSK	273	0		20.94		21.7	0.0
100	16QAM	1	1		20.81		21.7	0.0
100	64QAM	1	1		20.85		21.7	0.0
100	256QAM	1	1		18.57		19.7	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.89	20.85	20.76	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.91	20.84	20.87	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.88	20.86	20.76	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.93	20.92	20.71	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.89	20.83	20.80	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.79	20.89	20.82	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.47	20.88	20.80	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.85	20.88	20.70	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.59	20.83	20.82	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.82	20.83	20.70	21.7	0.0



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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	3760	3840	3930	23.7	0.0		
100	Pi/2 BPSK	1	137	22.25	22.31	22.22				
100	Pi/2 BPSK	1	271	22.21	22.18	22.19				
100	Pi/2 BPSK	135	0	22.09	22.18	22.13				
100	Pi/2 BPSK	135	69	22.18	22.15	22.08				
100	Pi/2 BPSK	135	138	22.18	22.11	22.02				
100	Pi/2 BPSK	270	0	22.17	22.09	22.16				
100	QPSK	1	1	22.32	22.30	22.31				
100	QPSK	1	137	22.27	22.24	22.29				
100	QPSK	1	271	22.02	22.05	22.05				
100	QPSK	135	0	22.20	22.25	22.20	23.7	0.0		
100	QPSK	135	69	22.23	22.30	22.25				
100	QPSK	135	138	22.11	22.08	22.13				
100	QPSK	270	0	21.98	21.78	21.76				
100	16QAM	1	1	21.71	21.79	21.80				
100	16QAM	1	1	19.80	19.75	19.85				
100	256QAM	1	1	17.95	17.90	17.85				
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	66332			Tune-up limit	MPR
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3840	3934.98	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.18	22.15	22.14	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64934	65000	66366	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3745.02	3840	3934.98	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.12	22.20	22.08	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64900	65000	66400	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3760	3840	3960	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	64768	65000	66432	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3765	3840	3975	Tune-up limit	MPR		

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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	3760	3840	3930	28.2	0.0		
100	Pi/2 BPSK	1	137	24.77	24.78	24.79				
100	Pi/2 BPSK	1	271	24.66	24.66	24.58				
100	Pi/2 BPSK	135	0	24.29	24.28	24.28				
100	Pi/2 BPSK	135	69	24.73	24.73	24.75				
100	Pi/2 BPSK	135	138	24.07	24.16	24.08				
100	Pi/2 BPSK	270	0	24.17	24.25	24.16				
100	QPSK	1	1	24.94	25.00	24.94				
100	QPSK	1	137	24.91	24.92	24.93				
100	QPSK	1	271	24.72	24.71	24.76				
100	QPSK	135	0	24.26	24.20	24.21	28.2	0.0		
100	QPSK	135	69	24.84	24.90	24.89				
100	QPSK	135	138	24.20	24.23	24.22				
100	QPSK	270	0	23.92	23.97	23.92				
100	16QAM	1	1	24.00	24.02	23.95				
100	16QAM	1	1	22.40	22.43	22.38				
100	256QAM	1	1	20.98	20.90	20.90				
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	66332			Tune-up limit	MPR
Channel										
Frequency (MHz)										
80	QPSK	1	1	3745.02	3840	3934.98	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	24.74	24.70	24.69	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64934	65000	66366	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3745.02	3840	3934.98	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	24.72	24.63	24.75	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64900	65000	66400	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3760	3840	3960	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
15	QPSK	1	1	64768	65000	66432	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3765	3840	3975	Tune-up limit	MPR		



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Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel	63332	63332	63332		
Frequency (MHz)	3499.98	3499.98	3499.98		
100	PV2 BPSK	1	1	23.7	0.0
100	PV2 BPSK	1	137		
100	PV2 BPSK	1	271		
100	PV2 BPSK	135	0	23.2	0.5
100	PV2 BPSK	135	69	23.7	0.0
100	PV2 BPSK	135	138	23.2	0.5
100	PV2 BPSK	270	0	23.7	0.0
100	QPSK	1	1	23.7	0.0
100	QPSK	1	137		
100	QPSK	1	271		
100	QPSK	135	0	23.7	0.0
100	QPSK	135	69	23.7	0.0
100	QPSK	135	138	23.7	1.0
100	QPSK	270	0	22.7	1.0
100	16QAM	1	1	22.7	1.0
100	16QAM	1	1	21.2	2.5
100	256QAM	1	1	18.11	19.2
Channel	63300	63332	63366	Tune-up limit	MPR
Frequency (MHz)	3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	23.7	0.0
Channel	63268	63332	63400	Tune-up limit	MPR
Frequency (MHz)	3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	23.7	0.0
Channel	63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)	3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	23.7	0.0
Channel	63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)	3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	23.7	0.0
Channel	63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)	3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	23.7	0.0
Channel	63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)	3470.01	3499.98	3530.98	(dBm)	(dB)
40	QPSK	1	1	23.7	0.0
Channel	63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)	3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	23.7	0.0
Channel	63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)	3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	23.7	0.0
Channel	63030	63332	63616	Tune-up limit	MPR
Frequency (MHz)	3455.01	3499.98	3542.99	(dBm)	(dB)
15	QPSK	1	1	23.7	0.0
Channel	63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)	3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	23.7	0.0

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Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel	63332	63332	63332		
Frequency (MHz)	3499.98	3499.98	3499.98		
100	PV2 BPSK	1	1	24.61	0.0
100	PV2 BPSK	1	137	24.51	28.2
100	PV2 BPSK	1	271	24.50	28.2
100	PV2 BPSK	135	0	24.48	26.7
100	PV2 BPSK	135	69	24.47	25.2
100	PV2 BPSK	135	138	24.40	25.7
100	PV2 BPSK	270	0	24.43	25.7
100	QPSK	1	1	24.58	0.0
100	QPSK	1	137	24.55	28.2
100	QPSK	1	271	24.51	28.2
100	QPSK	135	0	24.46	26.2
100	QPSK	135	69	24.50	26.2
100	QPSK	135	138	24.38	25.2
100	QPSK	270	0	24.31	25.2
100	16QAM	1	1	24.15	25.2
100	16QAM	1	1	22.70	23.7
100	256QAM	1	1	20.80	21.7
Channel	63300	63332	63366	Tune-up limit	MPR
Frequency (MHz)	3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	24.52	24.53
Channel	63268	63332	63400	Tune-up limit	MPR
Frequency (MHz)	3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	24.52	24.50
Channel	63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)	3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	24.43	24.45
Channel	63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)	3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	24.47	24.49
Channel	63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)	3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	24.48	24.51
Channel	63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)	3470.01	3499.98	3530.98	(dBm)	(dB)
40	QPSK	1	1	24.51	24.53
Channel	63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)	3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	24.54	24.58
Channel	63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)	3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	24.44	24.40
Channel	63030	63332	63616	Tune-up limit	MPR
Frequency (MHz)	3455.01	3499.98	3542.99	(dBm)	(dB)
15	QPSK	1	1	24.81	24.55
Channel	63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)	3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	24.56	24.41



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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)	MPR (dB)
Channel								
Frequency (MHz)				650000	660000	660000		
100	QPSK	1	1	21.28	21.35	21.25	22.2	0.0
100	QPSK	1	197	21.27	21.30	21.22		
100	QPSK	1	271	20.86	20.97	20.78		
100	QPSK	137	0	21.18	21.25	21.12	22.2	0.0
100	QPSK	137	68	21.07	21.15	20.98		
100	QPSK	137	138	21.01	21.04	20.97		
100	QPSK	273	0	21.04	21.15	21.06	22.2	0.0
100	16QAM	1	1	21.14	21.20	21.06		
100	64QAM	1	1	21.22	21.30	21.16		
100	256QAM	1	1	18.57	18.65	18.50	22.2	2.5
Channel				662000	663332		Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	21.02	21.27	21.01	22.2	0.0
Channel				652345	652000	652656	Tune-up limit	MPR
Frequency (MHz)				3749.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	21.13	21.15	21.15	22.2	0.0
Channel				652000	652000	652000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.13	21.15	21.02	22.2	0.0
Channel				649668	650000	653332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	21.13	21.11	21.09	22.2	0.0
Channel				649344	650000	653656	Tune-up limit	MPR
Frequency (MHz)				3726.01	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	21.12	21.23	21.01	22.2	0.0
Channel				649000	650000	654000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.00	21.12	21.07	22.2	0.0
Channel				647668	650000	644332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840.00	3964.98	(dBm)	(dB)
30	QPSK	1	1	21.05	21.20	21.03	22.2	0.0
Channel				647334	650000	644666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	21.05	21.10	21.11	22.2	0.0
Channel				647168	650000	644832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	21.02	21.21	21.02	22.2	0.0
Channel				647000	650000	645000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.99	21.19	21.20	22.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633000	633332	633332		
100	QPSK	1	1		21.30		22.2	0.0
100	QPSK	1	197		21.35			
100	QPSK	1	271		21.13			
100	QPSK	137	0		21.25		22.2	0.0
100	QPSK	137	68		21.27			
100	QPSK	137	138		21.23			
100	QPSK	273	0		21.29		22.2	0.0
100	16QAM	1	1		20.87			
100	64QAM	1	1		21.25			
100	256QAM	1	1		19.55		22.2	2.5
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3485	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	21.23	21.27	21.20	22.2	0.0
Channel				632656	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	21.05	21.21	21.17	22.2	0.0
Channel				632332	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	21.08	21.18	21.05	22.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	21.19	21.09	21.10	22.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	21.08	21.17	21.05	22.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	21.05	21.05	21.00	22.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	21.00	21.00	21.04	22.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	21.00	21.07	21.07	22.2	0.0
Channel				630332	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.49	(dBm)	(dB)
15	QPSK	1	1	21.05	21.05	21.00	22.2	0.0
Channel				630000	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	21.21	21.21	21.10	22.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	23.01	23.01	23.01	24.2	0.0
100	Pi/2 BPSK	1	137	23.05	23.05	23.05		
100	Pi/2 BPSK	1	271	22.50	22.50	22.50		
100	Pi/2 BPSK	135	0	22.95	22.95	22.95		
100	Pi/2 BPSK	135	69	22.50	22.50	22.50		
100	Pi/2 BPSK	135	138	23.04	23.04	23.04		
100	Pi/2 BPSK	270	0	22.98	22.98	22.98		
100	QPSK	1	1	23.10	23.10	23.10		
100	QPSK	1	137	23.09	23.09	23.09		
100	QPSK	1	271	22.81	22.81	22.81		
100	QPSK	135	0	22.98	22.98	22.98		
100	QPSK	135	69	22.50	22.50	22.50		
100	QPSK	135	138	22.82	22.82	22.82		
100	QPSK	270	0	22.88	22.88	22.88		
100	16QAM	1	1	22.81	22.81	22.81		
100	64QAM	1	1	21.58	21.7	21.7		
100	256QAM	1	1	19.22	19.7	19.7		
Channel								
Frequency (MHz)								
80	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
				3745.02	3750	3754.98	(dBm)	(dB)
				23.08	22.98	23.03	24.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit	MPR
				3740.01	3750	3759.99	(dBm)	(dB)
				23.09	23.04	23.05	24.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
				22.53	23.05	23.03	24.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651332	Tune-up limit	MPR
				3730.02	3750	3769.98	(dBm)	(dB)
				22.58	23.08	23.02	24.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651666	Tune-up limit	MPR
				3725.01	3750	3774.99	(dBm)	(dB)
				22.58	23.04	23.00	24.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
				22.92	23.03	22.98	24.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652332	Tune-up limit	MPR
				3715.01	3750	3784.99	(dBm)	(dB)
				22.98	23.05	23.05	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652666	Tune-up limit	MPR
				3710.01	3750	3789.99	(dBm)	(dB)
				23.07	22.98	22.98	24.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
				23.06	22.98	23.02	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	24.97	24.97	24.97	28.2	0.0
100	Pi/2 BPSK	1	137	24.95	24.95	24.95		
100	Pi/2 BPSK	1	271	24.90	24.90	24.90		
100	Pi/2 BPSK	135	0	24.45	24.45	24.45		
100	Pi/2 BPSK	135	69	24.52	24.52	24.52		
100	Pi/2 BPSK	135	138	24.42	24.42	24.42		
100	Pi/2 BPSK	270	0	24.44	24.44	24.44		
100	QPSK	1	1	25.12	25.12	25.12		
100	QPSK	1	137	25.02	25.02	25.02		
100	QPSK	1	271	24.99	24.99	24.99		
100	QPSK	135	0	24.41	24.41	24.41		
100	QPSK	135	69	24.51	24.51	24.51		
100	QPSK	135	138	24.38	24.38	24.38		
100	QPSK	270	0	24.39	24.39	24.39		
100	16QAM	1	1	23.88	23.88	23.88		
100	64QAM	1	1	22.50	22.50	22.50		
100	256QAM	1	1	20.28	20.28	20.28		
Channel								
Frequency (MHz)								
80	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
				3745.02	3750	3754.98	(dBm)	(dB)
				25.05	24.98	25.03	28.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit	MPR
				3740.01	3750	3759.99	(dBm)	(dB)
				24.91	24.94	24.91	28.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit	MPR
				3735	3750	3765	(dBm)	(dB)
				24.99	24.51	24.59	28.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651332	Tune-up limit	MPR
				3730.02	3750	3769.98	(dBm)	(dB)
				25.05	25.08	25.05	28.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651666	Tune-up limit	MPR
				3725.01	3750	3774.99	(dBm)	(dB)
				25.02	24.98	25.02	28.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit	MPR
				3720	3750	3780	(dBm)	(dB)
				24.92	24.97	24.92	28.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652332	Tune-up limit	MPR
				3715.01	3750	3784.99	(dBm)	(dB)
				24.98	24.97	24.98	28.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652666	Tune-up limit	MPR
				3710.01	3750	3789.99	(dBm)	(dB)
				25.01	24.93	25.01	28.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit	MPR
				3705	3750	3795	(dBm)	(dB)
				24.93	25.08	24.93	28.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	3499.98	3499.98	3499.98		
100	PV2 BPSK	1	137	22.87	22.88	22.88	24.2	0.0
100	PV2 BPSK	1	271	22.51	22.51	22.51		
100	PV2 BPSK	135	0	22.93	22.93	22.93	23.7	0.5
100	PV2 BPSK	135	89	22.86	22.86	22.86	23.2	0.0
100	PV2 BPSK	135	138	22.90	22.90	22.90	23.7	0.5
100	PV2 BPSK	270	0	22.86	22.86	22.86		
100	QPSK	1	1	23.05	23.05	23.05		
100	QPSK	1	137	23.00	23.00	23.00	24.2	0.0
100	QPSK	1	271	22.88	22.88	22.88		
100	QPSK	135	0	22.73	22.73	22.73		
100	QPSK	135	89	22.79	22.79	22.79	24.2	0.0
100	QPSK	135	138	22.78	22.78	22.78		
100	QPSK	270	0	22.02	22.02	22.02	23.2	1.0
100	16QAM	1	1	22.74	22.74	22.74	23.2	1.0
100	16QAM	1	1	21.87	21.87	21.87	21.7	2.5
100	16QAM	1	1	19.31	19.31	19.31	19.7	4.5
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
22.89				22.89	22.89	22.89	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	3499.98	3499.98	3499.98		
100	PV2 BPSK	1	137	25.41	25.40	25.40	28.2	0.0
100	PV2 BPSK	1	271	25.30	25.30	25.30		
100	PV2 BPSK	135	0	24.70	24.70	24.70	26.7	0.5
100	PV2 BPSK	135	89	25.24	25.24	25.24	26.2	0.0
100	PV2 BPSK	135	138	24.84	24.84	24.84	26.7	0.5
100	PV2 BPSK	270	0	24.78	24.78	24.78		
100	QPSK	1	1	25.45	25.45	25.45		
100	QPSK	1	137	25.31	25.31	25.31	28.2	0.0
100	QPSK	1	271	25.39	25.39	25.39		
100	QPSK	135	0	24.34	24.34	24.34		
100	QPSK	135	89	25.32	25.32	25.32	28.2	0.0
100	QPSK	135	138	24.34	24.34	24.34		
100	QPSK	270	0	24.19	24.19	24.19	25.2	1.0
100	16QAM	1	1	24.36	24.36	24.36	25.2	1.0
100	16QAM	1	1	22.75	22.75	22.75	23.7	2.5
100	16QAM	1	1	20.92	20.92	20.92	21.7	4.5
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit	MPR
3499				3499.98	3499.98	3499.98	(dBm)	(dB)
25.38				25.38	25.40	25.38	28.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	21.88	21.88		22.7	0.0
100	QPSK	1	137	21.21	21.21			
100	QPSK	1	271	21.88	21.88		22.7	0.0
100	QPSK	137	0	21.84	21.84			
100	QPSK	137	68	21.28	21.28		22.7	0.0
100	QPSK	137	138	21.77	21.77			
100	QPSK	273	0	21.78	21.78		22.7	0.0
100	16QAM	1	1	21.70	21.70			
100	64QAM	1	1	21.44	21.44		22.7	0.0
100	256QAM	1	1	18.10	18.10			
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.74	21.73	21.78	22.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.75	21.77	21.79	22.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.85	21.71	21.88	22.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.89	21.74	21.86	22.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.77	21.71	21.74	22.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.68	21.83	21.83	22.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.67	21.81	21.80	22.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.68	21.79	21.65	22.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.75	21.69	21.65	22.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	21.85	21.85		22.7	0.0
100	QPSK	1	137	21.86	21.86			
100	QPSK	1	271	21.82	21.82		22.7	0.0
100	QPSK	137	0	21.80	21.80			
100	QPSK	137	68	21.84	21.84		22.7	0.0
100	QPSK	137	138	21.88	21.88			
100	QPSK	273	0	21.70	21.70		22.7	0.0
100	16QAM	1	1	21.80	21.80			
100	64QAM	1	1	21.46	21.46		22.7	0.0
100	256QAM	1	1	18.28	18.28			
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.70	21.72	21.70	22.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.89	21.70	21.73	22.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.74	21.79	21.72	22.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.88	21.74	21.85	22.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.79	21.71	21.75	22.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.54	21.81	21.81	22.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.68	21.83	21.83	22.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.54	21.83	21.83	22.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.87	21.80	21.80	22.7	0.0



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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PV2 BPSK	1	1	2144	2144	2144	22.7	0.0		
100	PV2 BPSK	1	137	2153	2153	2153				
100	PV2 BPSK	1	271	2131	2131	2131				
100	PV2 BPSK	135	0	2148	2148	2148	22.2	0.5		
100	PV2 BPSK	135	89	2140	2140	2140	22.7	0.0		
100	PV2 BPSK	135	138	2142	2142	2142	22.2	0.5		
100	PV2 BPSK	270	0	2139	2139	2139	22.7	0.0		
100	QPSK	1	1	2165	2165	2165				
100	QPSK	1	137	2183	2183	2183				
100	QPSK	1	271	2132	2132	2132	22.7	0.0		
100	QPSK	135	0	2145	2145	2145				
100	QPSK	135	89	2150	2150	2150				
100	QPSK	135	138	2124	2124	2124	21.7	1.0		
100	QPSK	270	0	2038	2038	2038	21.7	1.0		
100	16QAM	1	1	2117	2117	2117				
100	64QAM	1	1	1940	202	2.5				
100	256QAM	1	1	1746	18.2	4.5	20.2	2.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	64868	65000	65132	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	64834	65000	65166	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)		

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	2388	2388	2388	24.7	0.0
100	PV2 BPSK	1	137	2371	2371	2371		
100	PV2 BPSK	1	271	2379	2379	2379		
100	PV2 BPSK	135	0	2324	2324	2324	24.2	0.5
100	PV2 BPSK	135	89	2338	2338	2338	24.7	0.0
100	PV2 BPSK	135	138	2330	2330	2330	24.2	0.5
100	PV2 BPSK	270	0	2339	2339	2339	24.7	0.0
100	QPSK	1	1	2381	2381	2381		
100	QPSK	1	137	2378	2378	2378		
100	QPSK	135	0	2339	2339	2339	24.7	0.0
100	QPSK	135	89	2330	2330	2330		
100	QPSK	135	138	2347	2347	2347		
100	QPSK	270	0	2334	2334	2334	23.7	1.0
100	16QAM	1	1	2300	2300	2300	23.7	1.0
100	64QAM	1	1	2144	2144	2144		
100	256QAM	1	1	1831	1831	1831		
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65132	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332			3499.98	
100	Pi/2 BPSK	1	1	21.44	21.44	21.44	22.7	0.0
100	Pi/2 BPSK	1	137	21.38	21.38	21.38		
100	Pi/2 BPSK	1	271	21.29	21.29	21.29	22.2	0.5
100	Pi/2 BPSK	135	0	21.38	21.38	21.38		
100	Pi/2 BPSK	135	89	21.22	21.22	21.22	22.2	0.5
100	Pi/2 BPSK	135	138	21.29	21.29	21.29		
100	Pi/2 BPSK	270	0	21.32	21.32	21.32	22.7	0.0
100	QPSK	1	1	21.25	21.25	21.25		
100	QPSK	1	137	21.51	21.51	21.51	22.7	0.0
100	QPSK	1	271	21.42	21.42	21.42		
100	QPSK	135	0	21.38	21.38	21.38	22.7	0.0
100	QPSK	135	89	21.40	21.40	21.40		
100	QPSK	135	138	21.28	21.28	21.28	21.7	1.0
100	QPSK	270	0	20.91	20.91	20.91		
100	16QAM	1	1	21.10	21.10	21.10	20.2	2.5
100	16QAM	1	1	19.22	19.22	19.22		
100	256QAM	1	1	17.41	17.41	17.41	19.2	4.5
100	256QAM	1	1	17.41	17.41	17.41		
Channel								
Frequency (MHz)				63332			3499.98	
30	QPSK	1	1	21.48	21.51	21.52	22.7	0.0
30	QPSK	1	1	21.48	21.51	21.52		
Channel								
Frequency (MHz)				63332			3400.00	
80	QPSK	1	1	21.45	21.44	21.45	22.7	0.0
80	QPSK	1	1	21.45	21.44	21.45		
Channel								
Frequency (MHz)				63332			3443.32	
70	QPSK	1	1	21.50	21.49	21.50	22.7	0.0
70	QPSK	1	1	21.50	21.49	21.50		
Channel								
Frequency (MHz)				63332			3466.66	
60	QPSK	1	1	21.43	21.43	21.44	22.7	0.0
60	QPSK	1	1	21.43	21.43	21.44		
Channel								
Frequency (MHz)				63332			3500.00	
50	QPSK	1	1	21.45	21.53	21.41	22.7	0.0
50	QPSK	1	1	21.45	21.53	21.41		
Channel								
Frequency (MHz)				63332			3533.32	
40	QPSK	1	1	21.49	21.53	21.41	22.7	0.0
40	QPSK	1	1	21.49	21.53	21.41		
Channel								
Frequency (MHz)				63332			3566.66	
30	QPSK	1	1	21.50	21.43	21.45	22.7	0.0
30	QPSK	1	1	21.50	21.43	21.45		
Channel								
Frequency (MHz)				63332			3600.00	
20	QPSK	1	1	21.48	21.41	21.48	22.7	0.0
20	QPSK	1	1	21.48	21.41	21.48		
Channel								
Frequency (MHz)				63332			3633.32	
10	QPSK	1	1	21.53	21.50	21.52	22.7	0.0
10	QPSK	1	1	21.53	21.50	21.52		

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332			3499.98	
100	Pi/2 BPSK	1	1	24.02	24.02	24.02	24.7	0.0
100	Pi/2 BPSK	1	137	23.86	23.86	23.86		
100	Pi/2 BPSK	1	271	24.00	24.00	24.00	24.2	0.5
100	Pi/2 BPSK	135	0	23.41	23.41	23.41		
100	Pi/2 BPSK	135	89	23.32	23.32	23.32	24.2	0.5
100	Pi/2 BPSK	135	138	23.35	23.35	23.35		
100	Pi/2 BPSK	270	0	23.38	23.38	23.38	24.1	0.0
100	QPSK	1	1	24.11	24.11	24.11		
100	QPSK	1	137	24.00	24.00	24.00	24.7	0.0
100	QPSK	1	271	23.87	23.87	23.87		
100	QPSK	135	0	23.57	23.57	23.57	24.7	0.0
100	QPSK	135	89	23.83	23.83	23.83		
100	QPSK	135	138	23.34	23.34	23.34	23.7	1.0
100	QPSK	270	0	23.37	23.37	23.37		
100	16QAM	1	1	23.40	23.40	23.40	23.7	1.0
100	16QAM	1	1	21.78	21.78	21.78		
100	256QAM	1	1	18.42	18.42	18.42	20.2	2.5
100	256QAM	1	1	18.42	18.42	18.42		
Channel								
Frequency (MHz)				63332			3499.98	
30	QPSK	1	1	24.05	24.10	24.01	24.7	0.0
30	QPSK	1	1	24.05	24.10	24.01		
Channel								
Frequency (MHz)				63332			3400.00	
80	QPSK	1	1	24.10	23.97	24.10	24.7	0.0
80	QPSK	1	1	24.10	23.97	24.10		
Channel								
Frequency (MHz)				63332			3443.32	
70	QPSK	1	1	24.09	24.05	24.09	24.7	0.0
70	QPSK	1	1	24.09	24.05	24.09		
Channel								
Frequency (MHz)				63332			3466.66	
60	QPSK	1	1	24.09	24.02	24.09	24.7	0.0
60	QPSK	1	1	24.09	24.02	24.09		
Channel								
Frequency (MHz)				63332			3500.00	
50	QPSK	1	1	24.04	24.03	24.04	24.7	0.0
50	QPSK	1	1	24.04	24.03	24.04		
Channel								
Frequency (MHz)				63332			3533.32	
40	QPSK	1	1	23.98	24.05	23.98	24.7	0.0
40	QPSK	1	1	23.98	24.05	23.98		
Channel								
Frequency (MHz)				63332			3566.66	
30	QPSK	1	1	24.07	24.07	24.07	24.7	0.0
30	QPSK	1	1	24.07	24.07	24.07		
Channel								
Frequency (MHz)				63332			3600.00	
20	QPSK	1	1	23.98	24.02	23.98	24.7	0.0
20	QPSK	1	1	23.98	24.02	23.98		
Channel								
Frequency (MHz)				63332			3633.32	
10	QPSK	1	1	24.02	24.04	24.02	24.7	0.0
10	QPSK	1	1	24.02	24.04	24.02		



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	20.26	20.19	20.13	21.2	0.0
100	QPSK	1	137	20.19	20.13	20.08		
100	QPSK	1	271	20.13	20.08	20.05		
100	QPSK	1	405	20.08	20.05	20.00		
100	QPSK	137	0	20.05	20.00	19.95	21.2	0.0
100	QPSK	137	138	19.95	19.90	19.85		
100	QPSK	273	0	19.90	19.85	19.80		
100	QPSK	273	138	19.85	19.80	19.75		
100	16QAM	1	1	20.13	21.2	0.0	21.2	0.0
100	16QAM	1	1	20.21	21.2	0.0		
100	256QAM	1	1	17.16	18.2	3.0	21.2	3.0
100	256QAM	1	1	17.16	18.2	3.0		
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.16	20.09	20.04	21.2	0.0
90	QPSK	1	1	20.16	20.09	20.04		
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.19	20.19	20.05	21.2	0.0
80	QPSK	1	1	20.19	20.19	20.05		
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.11	20.09	20.02	21.2	0.0
70	QPSK	1	1	20.11	20.09	20.02		
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.20	20.14	20.14	21.2	0.0
60	QPSK	1	1	20.20	20.14	20.14		
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.18	20.20	20.10	21.2	0.0
50	QPSK	1	1	20.18	20.20	20.10		
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.09	20.21	20.02	21.2	0.0
40	QPSK	1	1	20.09	20.21	20.02		
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.11	20.10	20.14	21.2	0.0
30	QPSK	1	1	20.11	20.10	20.14		
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.19	20.11	20.14	21.2	0.0
20	QPSK	1	1	20.19	20.11	20.14		
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.20	20.19	20.14	21.2	0.0
10	QPSK	1	1	20.20	20.19	20.14		

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	20.22	20.12	20.10	21.2	0.0
100	QPSK	1	137	20.12	20.10	19.98		
100	QPSK	1	271	20.10	19.98	19.88		
100	QPSK	137	0	19.98	19.88	19.80		
100	QPSK	137	88	19.88	19.80	19.75	21.2	0.0
100	QPSK	137	138	19.75	19.55	19.50		
100	QPSK	273	0	19.50	19.50	19.50		
100	QPSK	273	138	19.50	19.50	19.50		
100	16QAM	1	1	20.20	21.2	0.0	21.2	0.0
100	16QAM	1	1	20.21	21.2	0.0		
100	256QAM	1	1	17.17	18.2	3.0	21.2	3.0
100	256QAM	1	1	17.17	18.2	3.0		
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.08	20.08	20.01	21.2	0.0
90	QPSK	1	1	20.08	20.08	20.01		
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.15	20.14	20.00	21.2	0.0
80	QPSK	1	1	20.15	20.14	20.00		
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.17	20.08	20.01	21.2	0.0
70	QPSK	1	1	20.17	20.08	20.01		
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.16	20.17	20.10	21.2	0.0
60	QPSK	1	1	20.16	20.17	20.10		
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.08	20.15	20.00	21.2	0.0
50	QPSK	1	1	20.08	20.15	20.00		
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.15	20.10	20.11	21.2	0.0
40	QPSK	1	1	20.15	20.10	20.11		
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.10	20.10	20.00	21.2	0.0
30	QPSK	1	1	20.10	20.10	20.00		
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.11	20.17	20.00	21.2	0.0
20	QPSK	1	1	20.11	20.17	20.00		
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.13	20.08	20.13	21.2	0.0
10	QPSK	1	1	20.13	20.08	20.13		



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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	3750	3750	3750	24.2	0.0		
100	Pi/2 BPSK	1	137	23.06	23.06	23.06				
100	Pi/2 BPSK	1	271	22.83	22.83	22.83				
100	Pi/2 BPSK	135	0	22.96	22.96	22.96				
100	Pi/2 BPSK	135	69	22.90	22.90	22.90				
100	Pi/2 BPSK	135	138	22.88	22.88	22.88				
100	Pi/2 BPSK	270	0	22.92	22.92	22.92				
100	QPSK	1	1	23.10	23.10	23.10				
100	QPSK	1	137	22.89	22.89	22.89				
100	QPSK	1	271	22.85	22.85	22.85				
100	QPSK	135	0	22.89	22.89	22.89	24.2	0.0		
100	QPSK	135	69	22.91	22.91	22.91				
100	QPSK	135	138	22.80	22.80	22.80				
100	QPSK	270	0	22.75	22.75	22.75				
100	16QAM	1	1	22.80	22.80	22.80				
100	16QAM	1	1	21.30	21.30	21.30				
100	16QAM	1	1	18.22	18.22	18.22				
Channel										
Frequency (MHz)										
90	QPSK	1	1	649868	650000	650332			Tune-up limit (dBm)	MPR
Channel										
Frequency (MHz)										
90	QPSK	1	1	3742.02	3750	3754.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	3726	3750	3786	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	648668	650000	651332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	3740.02	3750	3768.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	648000	650000	651666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3726	3750	3786	Tune-up limit (dBm)	MPR		

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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	3750	3750	3750	28.2	0.0		
100	Pi/2 BPSK	1	137	24.86	24.86	24.86				
100	Pi/2 BPSK	1	271	25.00	25.00	25.00				
100	Pi/2 BPSK	135	0	24.43	24.43	24.43				
100	Pi/2 BPSK	135	69	25.01	25.01	25.01				
100	Pi/2 BPSK	135	138	24.38	24.38	24.38				
100	Pi/2 BPSK	270	0	24.30	24.30	24.30				
100	QPSK	1	1	25.18	25.18	25.18				
100	QPSK	1	137	25.15	25.15	25.15				
100	QPSK	1	271	24.90	24.90	24.90				
100	QPSK	135	0	24.35	24.35	24.35	28.2	0.0		
100	QPSK	135	69	24.92	24.92	24.92				
100	QPSK	135	138	24.44	24.44	24.44				
100	QPSK	270	0	23.84	23.84	23.84				
100	16QAM	1	1	23.88	23.88	23.88				
100	16QAM	1	1	22.14	22.14	22.14				
100	16QAM	1	1	20.14	20.14	20.14				
Channel										
Frequency (MHz)										
90	QPSK	1	1	649868	650000	650332			Tune-up limit (dBm)	MPR
Channel										
Frequency (MHz)										
80	QPSK	1	1	3742.02	3750	3754.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3726	3750	3786	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	648668	650000	651332	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3740.02	3750	3768.98	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	648000	650000	651666	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR		



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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)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
100	Pi/2 BPSK	1	1	22.86	22.86	22.86	24.2	0.0		
100	Pi/2 BPSK	1	137	22.89	22.89	22.89				
100	Pi/2 BPSK	1	271	22.86	22.86	22.86				
100	Pi/2 BPSK	135	0	22.79	22.79	22.79				
100	Pi/2 BPSK	135	69	22.88	22.88	22.88				
100	Pi/2 BPSK	135	138	22.74	22.74	22.74				
100	Pi/2 BPSK	270	0	22.78	22.78	22.78				
100	QPSK	1	1	22.86	22.86	22.86				
100	QPSK	1	137	22.87	22.87	22.87				
100	QPSK	1	271	22.71	22.71	22.71				
100	QPSK	135	0	22.60	22.60	22.60	24.2	0.0		
100	QPSK	135	69	22.88	22.88	22.88				
100	QPSK	135	138	22.69	22.69	22.69				
100	QPSK	270	0	22.64	22.64	22.64				
100	16QAM	1	1	22.75	22.75	22.75				
100	16QAM	1	1	21.12	21.12	21.12				
100	256QAM	1	1	18.08	18.08	18.08				
Channel				633000						
Frequency (MHz)				3495						
90	QPSK	1	1	22.81	22.81	22.81			Tune-up limit (dBm)	MPR (dB)
Channel				633332						
Frequency (MHz)				3499.98						
80	QPSK	1	1	22.82	22.82	22.82	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
70	QPSK	1	1	22.82	22.82	22.82	Tune-up limit (dBm)	MPR (dB)		
Channel				633000						
Frequency (MHz)				3495						
60	QPSK	1	1	22.74	22.74	22.74	Tune-up limit (dBm)	MPR (dB)		
Channel				631668						
Frequency (MHz)				3472.02						
50	QPSK	1	1	22.78	22.78	22.78	Tune-up limit (dBm)	MPR (dB)		
Channel				631334						
Frequency (MHz)				3478.01						
40	QPSK	1	1	22.79	22.79	22.79	Tune-up limit (dBm)	MPR (dB)		
Channel				631000						
Frequency (MHz)				3470.01						
30	QPSK	1	1	22.80	22.80	22.80	Tune-up limit (dBm)	MPR (dB)		
Channel				630668						
Frequency (MHz)				3460.02						
20	QPSK	1	1	22.82	22.82	22.82	Tune-up limit (dBm)	MPR (dB)		
Channel				630334						
Frequency (MHz)				3455.01						
10	QPSK	1	1	22.82	22.82	22.82	Tune-up limit (dBm)	MPR (dB)		

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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)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
100	Pi/2 BPSK	1	1	25.18	25.18	25.18	28.2	0.0		
100	Pi/2 BPSK	1	137	24.91	24.91	24.91				
100	Pi/2 BPSK	1	271	25.21	25.21	25.21				
100	Pi/2 BPSK	135	0	24.70	24.70	24.70				
100	Pi/2 BPSK	135	69	25.06	25.06	25.06				
100	Pi/2 BPSK	135	138	24.83	24.83	24.83				
100	Pi/2 BPSK	270	0	24.49	24.49	24.49				
100	QPSK	1	1	25.38	25.38	25.38				
100	QPSK	1	137	25.03	25.03	25.03				
100	QPSK	1	271	25.19	25.19	25.19				
100	QPSK	135	0	24.54	24.54	24.54	28.2	0.0		
100	QPSK	135	69	25.02	25.02	25.02				
100	QPSK	135	138	24.54	24.54	24.54				
100	QPSK	270	0	24.01	24.01	24.01				
100	16QAM	1	1	24.07	24.07	24.07				
100	16QAM	1	1	22.64	22.64	22.64				
100	256QAM	1	1	20.74	20.74	20.74				
Channel				633000						
Frequency (MHz)				3495						
90	QPSK	1	1	25.14	25.14	25.14			Tune-up limit (dBm)	MPR (dB)
Channel				633332						
Frequency (MHz)				3499.98						
80	QPSK	1	1	25.12	25.12	25.12	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
70	QPSK	1	1	25.13	25.13	25.13	Tune-up limit (dBm)	MPR (dB)		
Channel				633000						
Frequency (MHz)				3495						
60	QPSK	1	1	25.07	25.07	25.07	Tune-up limit (dBm)	MPR (dB)		
Channel				631668						
Frequency (MHz)				3472.02						
50	QPSK	1	1	25.16	25.16	25.16	Tune-up limit (dBm)	MPR (dB)		
Channel				631334						
Frequency (MHz)				3478.01						
40	QPSK	1	1	25.07	25.07	25.07	Tune-up limit (dBm)	MPR (dB)		
Channel				631000						
Frequency (MHz)				3470.01						
30	QPSK	1	1	25.06	25.06	25.06	Tune-up limit (dBm)	MPR (dB)		
Channel				630668						
Frequency (MHz)				3460.02						
20	QPSK	1	1	25.12	25.12	25.12	Tune-up limit (dBm)	MPR (dB)		
Channel				630334						
Frequency (MHz)				3455.01						
10	QPSK	1	1	25.19	25.19	25.19	Tune-up limit (dBm)	MPR (dB)		



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	21.50	21.50	21.50	22.2	0.0
100	QPSK	1	137	21.54	21.54	21.54		
100	QPSK	1	271	21.41	21.41	21.41		
100	QPSK	137	0	21.51	21.51	21.51	22.2	0.0
100	QPSK	137	68	21.45	21.45	21.45		
100	QPSK	137	138	21.47	21.47	21.47		
100	QPSK	273	0	21.47	21.47	21.47	22.2	0.0
100	16QAM	1	1	21.45	21.45	21.45		
100	64QAM	1	1	21.58	21.58	21.58		
100	256QAM	1	1	18.23	18.23	18.23	22.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649968	650000	650332	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	22.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649394	650000	650606	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3749.01	3750	3759.99	22.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3745	3750	3765	22.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3740.02	3750	3769.98	22.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648376	650000	651666	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3735.01	3750	3774.99	22.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648064	650000	652332	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3730	3750	3790	22.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647752	650000	653000	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750.00	3784.98	22.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647440	650000	653666	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3789.99	22.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647128	650000	654332	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	22.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	633992	634000	634008	22.2	0.0
100	QPSK	1	137	21.50	21.50	21.50		
100	QPSK	1	271	21.41	21.41	21.41		
100	QPSK	137	0	21.08	21.08	21.08	22.2	0.0
100	QPSK	137	68	21.49	21.49	21.49		
100	QPSK	137	138	21.05	21.05	21.05		
100	QPSK	273	0	21.08	21.08	21.08	22.2	0.0
100	16QAM	1	1	21.45	21.45	21.45		
100	64QAM	1	1	21.50	21.50	21.50		
100	256QAM	1	1	18.41	18.41	18.41	22.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3495	3495.98	3504.99	22.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632606	633332	634000	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3490.02	3495.98	3510	22.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632212	633332	634332	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3485.01	3495.98	3514.98	22.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	631818	633332	634666	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3480	3495.98	3519.99	22.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631424	633332	635000	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3475.02	3495.98	3525	22.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631030	633332	635332	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3470.01	3495.98	3530.98	22.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	630636	633332	635666	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	3465	3495.98	3534.99	22.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630242	633332	636000	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	3460.02	3495.98	3540	22.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	629848	633332	636332	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3455.01	3495.98	3544.98	22.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	3750	3750	3750	24.2	0.0
100	PV2 BPSK	1	137	23.30	23.30	23.30		
100	PV2 BPSK	1	271	23.09	23.09	23.09		
100	PV2 BPSK	135	0	23.23	23.23	23.23		
100	PV2 BPSK	135	69	23.11	23.11	23.11		
100	PV2 BPSK	135	138	23.24	23.24	23.24		
100	PV2 BPSK	270	0	23.15	23.15	23.15		
100	QPSK	1	1	23.37	23.37	23.37		
100	QPSK	1	137	23.30	23.30	23.30		
100	QPSK	1	271	23.18	23.18	23.18		
100	QPSK	135	0	23.30	23.30	23.30		
100	QPSK	135	69	23.32	23.32	23.32		
100	QPSK	135	138	23.18	23.18	23.18		
100	QPSK	270	0	23.03	23.03	23.03		
100	16QAM	1	1	22.87	22.87	22.87		
100	16QAM	1	1	20.84	20.84	20.84		
100	256QAM	1	1	18.91	18.91	18.91		
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit	MPR
				3745.02	3750	3754.98	(dB)	(dB)
				23.23	23.23	23.15	24.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit	MPR
				3740.01	3750	3759.99	(dB)	(dB)
				23.29	23.15	23.15	24.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
				3735	3750	3765	(dB)	(dB)
				23.19	23.22	23.35	24.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65132	Tune-up limit	MPR
				3730.02	3750	3769.98	(dB)	(dB)
				23.29	23.30	23.29	24.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit	MPR
				3725.01	3750	3774.99	(dB)	(dB)
				23.31	23.31	23.30	24.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
				3720	3750	3780	(dB)	(dB)
				23.30	23.33	23.20	24.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65232	Tune-up limit	MPR
				3715.02	3750	3784.98	(dB)	(dB)
				23.25	23.34	23.30	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
				3710.01	3750	3789.99	(dB)	(dB)
				23.31	23.28	23.21	24.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dB)	(dB)
				23.29	23.29	23.27	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	24.84	24.84	24.84	28.2	0.0
100	PV2 BPSK	1	137	24.85	24.85	24.85		
100	PV2 BPSK	1	271	24.72	24.72	24.72		
100	PV2 BPSK	135	0	24.43	24.43	24.43		
100	PV2 BPSK	135	69	24.87	24.87	24.87		
100	PV2 BPSK	135	138	24.30	24.30	24.30		
100	PV2 BPSK	270	0	24.32	24.32	24.32		
100	QPSK	1	1	24.91	24.91	24.91		
100	QPSK	1	137	24.88	24.88	24.88		
100	QPSK	1	271	24.70	24.70	24.70		
100	QPSK	135	0	24.85	24.85	24.85		
100	QPSK	135	69	24.83	24.83	24.83		
100	QPSK	135	138	23.79	23.79	23.79		
100	QPSK	270	0	23.81	23.81	23.81		
100	16QAM	1	1	24.01	24.01	24.01		
100	16QAM	1	1	22.55	22.55	22.55		
100	256QAM	1	1	20.20	20.20	20.20		
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit	MPR
				3745.02	3750	3754.98	(dB)	(dB)
				24.78	24.80	24.79	28.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit	MPR
				3740.01	3750	3759.99	(dB)	(dB)
				24.77	24.79	24.77	28.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit	MPR
				3735	3750	3765	(dB)	(dB)
				24.75	24.79	24.75	28.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65132	Tune-up limit	MPR
				3730.02	3750	3769.98	(dB)	(dB)
				24.78	24.78	24.78	28.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit	MPR
				3725.01	3750	3774.99	(dB)	(dB)
				24.80	24.72	24.80	28.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64800	65000	65200	Tune-up limit	MPR
				3720	3750	3780	(dB)	(dB)
				24.78	24.82	24.78	28.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65232	Tune-up limit	MPR
				3715.02	3750	3784.98	(dB)	(dB)
				24.82	24.85	24.82	28.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit	MPR
				3710.01	3750	3789.99	(dB)	(dB)
				24.80	24.79	24.80	28.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit	MPR
				3705	3750	3795	(dB)	(dB)
				24.88	24.77	24.89	28.2	0.0



Par27Q n78_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332			3499.98	
100	PV2 BPSK	1	1	23.17	23.17	23.17	24.2	0.0
100	PV2 BPSK	1	137	23.24	23.24	23.24		
100	PV2 BPSK	1	271	22.56	22.56	22.56		
100	PV2 BPSK	135	0	23.20	23.20	23.7		
100	PV2 BPSK	135	69	23.05	23.05	23.2		
100	PV2 BPSK	135	138	23.11	23.11	23.7		
100	PV2 BPSK	270	0	23.05	23.05	23.7		
100	QPSK	1	1	23.30	23.30	23.30		
100	QPSK	1	137	23.22	23.22	24.2		
100	QPSK	1	271	23.09	23.09	24.2		
100	QPSK	135	0	23.15	23.15	24.2		
100	QPSK	135	69	23.22	23.22	24.2		
100	QPSK	135	138	23.03	23.03	24.2		
100	QPSK	270	0	22.62	22.62	23.2		
100	16QAM	1	1	22.85	22.85	23.2		
100	16QAM	1	1	20.72	20.72	21.7		
100	256QAM	1	1	18.83	18.83	19.7		
Channel								
Frequency (MHz)				63300			Tune-up limit	
3495				3499.98	3499.98	3504.99	MPR	
23.23	QPSK	1	1	23.09	23.09	23.17	0.0	
Channel								
Frequency (MHz)				63268			Tune-up limit	
3495				3499.98	3499.98	3504.99	MPR	
23.22	QPSK	1	1	23.17	23.17	23.15	0.0	
Channel								
Frequency (MHz)				63234			Tune-up limit	
3495				3499.98	3499.98	3514.98	MPR	
23.14	QPSK	1	1	23.07	23.07	23.17	0.0	
Channel								
Frequency (MHz)				63200			Tune-up limit	
3495				3499.98	3499.98	3519.99	MPR	
23.28	QPSK	1	1	23.28	23.13	23.20	24.2	0.0
Channel								
Frequency (MHz)				63168			Tune-up limit	
3495				3499.98	3499.98	3525	MPR	
23.11	QPSK	1	1	23.13	23.13	23.14	24.2	0.0
Channel								
Frequency (MHz)				63134			Tune-up limit	
3495				3499.98	3499.98	3532	MPR	
23.19	QPSK	1	1	23.06	23.23	23.23	24.2	0.0
Channel								
Frequency (MHz)				63100			Tune-up limit	
3495				3499.98	3499.98	3534.99	MPR	
23.23	QPSK	1	1	23.23	23.13	23.18	24.2	0.0
Channel								
Frequency (MHz)				63068			Tune-up limit	
3495				3499.98	3499.98	3534.99	MPR	
23.11	QPSK	1	1	23.23	23.23	23.28	24.2	0.0
Channel								
Frequency (MHz)				63034			Tune-up limit	
3495				3499.98	3499.98	3544.98	MPR	
23.14	QPSK	1	1	23.11	23.21	23.21	24.2	0.0

Par27Q n78 HPUE_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332			3499.98	
100	PV2 BPSK	1	1	24.49	24.49	24.49	28.2	0.0
100	PV2 BPSK	1	137	24.43	24.43	24.43		
100	PV2 BPSK	1	271	24.38	24.38	24.38		
100	PV2 BPSK	135	0	24.32	24.32	25.7		
100	PV2 BPSK	135	69	24.34	24.34	25.2		
100	PV2 BPSK	135	138	24.36	24.36	25.7		
100	PV2 BPSK	270	0	24.40	24.40	25.7		
100	QPSK	1	1	24.58	24.58	24.58		
100	QPSK	1	137	24.55	24.55	28.2		
100	QPSK	1	271	24.38	24.38	28.2		
100	QPSK	135	0	24.30	24.30	28.2		
100	QPSK	135	69	24.33	24.33	28.2		
100	QPSK	135	138	24.21	24.21	28.2		
100	QPSK	270	0	24.12	24.12	25.2		
100	16QAM	1	1	23.99	23.99	25.2		
100	16QAM	1	1	22.65	22.65	23.7		
100	256QAM	1	1	20.98	20.98	21.7		
Channel								
Frequency (MHz)				63300			Tune-up limit	
3495				3499.98	3499.98	3514.99	MPR	
24.45	QPSK	1	1	24.45	24.45	24.45	0.0	
Channel								
Frequency (MHz)				63268			Tune-up limit	
3495				3499.98	3499.98	3510	MPR	
24.45	QPSK	1	1	24.45	24.45	24.45	0.0	
Channel								
Frequency (MHz)				63234			Tune-up limit	
3495				3499.98	3499.98	3514.98	MPR	
24.55	QPSK	1	1	24.55	24.55	24.55	0.0	
Channel								
Frequency (MHz)				63200			Tune-up limit	
3495				3499.98	3499.98	3519.99	MPR	
24.50	QPSK	1	1	24.50	24.51	24.50	28.2	0.0
Channel								
Frequency (MHz)				63168			Tune-up limit	
3495				3499.98	3499.98	3525	MPR	
24.51	QPSK	1	1	24.51	24.52	24.51	28.2	0.0
Channel								
Frequency (MHz)				63134			Tune-up limit	
3495				3499.98	3499.98	3532	MPR	
24.49	QPSK	1	1	24.49	24.42	24.49	28.2	0.0
Channel								
Frequency (MHz)				63100			Tune-up limit	
3495				3499.98	3499.98	3534.99	MPR	
24.48	QPSK	1	1	24.48	24.54	24.48	28.2	0.0
Channel								
Frequency (MHz)				63068			Tune-up limit	
3495				3499.98	3499.98	3534.99	MPR	
24.45	QPSK	1	1	24.45	24.50	24.45	28.2	0.0
Channel								
Frequency (MHz)				63034			Tune-up limit	
3495				3499.98	3499.98	3544.98	MPR	
24.51	QPSK	1	1	24.51	24.50	24.51	28.2	0.0



Par270 n78_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	21.98	3750		22.7	0.0
100	QPSK	1	197	21.91				
100	QPSK	1	271	21.77				
100	QPSK	137	0	21.91			22.7	0.0
100	QPSK	137	68	21.83				
100	QPSK	137	138	21.77				
100	QPSK	273	0	21.86			22.7	0.0
100	16QAM	1	1	21.51				
100	64QAM	1	1	21.50				
100	256QAM	1	1	18.32		15.7	22.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6499.68	6500.00	6500.32	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3748.02	3750	3754.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.71	21.71	21.71	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3749.01	3750	3759.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.75	21.75	21.81	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3749.68	3750	3765	(dBm)	(dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.76	21.61	21.67	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3749.02	3750	3769.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.09	21.73	21.86	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3720	3750	3780	(dBm)	(dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.68	21.64	21.63	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	6476.68	6500.00	6523.32	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3715.02	3750.00	3764.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.73	21.63	21.70	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	6473.34	6500.00	6526.66	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3769.99	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	6470.00	6500.00	6530.00	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	21.77	21.67	21.60	22.7	0.0

Par27Q n78_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	21.99	3499.98		22.7	0.0
100	QPSK	1	197	21.90				
100	QPSK	1	271	21.79				
100	QPSK	137	0	20.99			22.7	0.0
100	QPSK	137	68	21.98				
100	QPSK	137	138	20.89				
100	QPSK	273	0	20.93			22.7	0.0
100	16QAM	1	1	21.98				
100	64QAM	1	1	21.50				
100	256QAM	1	1	18.39		15.7	22.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6330.00	6333.33	6336.66	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3495	3499.98	3504.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.67	21.67	21.71	Tune-up limit	MPR
Frequency (MHz)								
80	QPSK	1	1	3499.02	3499.98	3510	(dBm)	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.78	21.79	21.76	Tune-up limit	MPR
Frequency (MHz)								
70	QPSK	1	1	3498.01	3499.98	3514.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.79	21.74	21.75	Tune-up limit	MPR
Frequency (MHz)								
60	QPSK	1	1	3499.00	3499.98	3519.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.77	21.67	21.84	Tune-up limit	MPR
Frequency (MHz)								
50	QPSK	1	1	3475.02	3499.98	3525	(dBm)	(dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.81	21.69	21.82	Tune-up limit	MPR
Frequency (MHz)								
40	QPSK	1	1	3470.01	3499.98	3529.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.76	21.60	21.65	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	6336.68	6333.32	6360.00	Tune-up limit	MPR
Frequency (MHz)								
30	QPSK	1	1	3460.02	3499.98	3540	(dBm)	(dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.81	21.64	21.82	Tune-up limit	MPR
Frequency (MHz)								
20	QPSK	1	1	6333.34	6333.32	6363.32	Tune-up limit	MPR
Frequency (MHz)								
10	QPSK	1	1	3455.01	3499.98	3544.98	(dBm)	(dB)
Frequency (MHz)								
10	QPSK	1	1	21.76	21.71	21.63	22.7	0.0



Reduced Power Mode for DSI1

<GSM Power State1>

GSM1900_Ant 4 TX Channel	Serial Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		1550.2	1690	1903.6		
Frequency (MHz)	1850.2	1890	1909.8						
GSM 1 Tx slot	23.27	23.30	23.25	30.00	20.27	20.30	20.25	21.00	
GPRS/EDGE(GMSK) 1 Tx slot	29.26	29.22	29.20	30.00	20.26	20.22	20.20	21.00	
GPRS/EDGE(GMSK) 2 Tx slots	25.75	25.80	25.77	27.00	19.75	19.80	19.77	21.00	
GPRS/EDGE(GMSK) 3 Tx slots	23.60	23.96	23.59	25.20	19.73	19.70	19.73	20.98	
GPRS/EDGE(GMSK) 4 Tx slots	23.10	23.15	23.09	24.50	20.10	20.15	20.09	21.50	
EDGE 1 Tx slot	25.00	24.96	24.91	28.00	18.00	18.96	15.91	17.00	
EDGE 2 Tx slots	21.82	21.50	21.71	23.00	15.82	15.50	15.71	17.00	
EDGE 3 Tx slots	19.71	19.61	19.73	21.20	15.45	15.35	15.47	18.94	
EDGE 4 Tx slots	18.88	18.75	18.77	20.30	15.88	15.75	15.77	17.30	
DTM Multi-slot class 5	GSM 1 Tx slot	25.61	25.70	25.84	27.00	19.64	19.64	19.60	20.98
DTM Multi-slot class 9	GPRS 1 Tx slot	25.68	25.63	25.60	27.00				
	GSM 1 Tx slot	25.62	25.75	25.62	27.00	19.67	19.74	19.59	20.98
DTM Multi-slot class 11	GSM 1 Tx slot	23.97	23.89	24.02	25.20	19.70	19.72	19.71	20.94
	GPRS 2 Tx slots	23.96	24.02	23.95	25.20				
DTM Multi-slot class 5	GSM 1 Tx slot	25.78	25.76	25.84	27.00	18.15	18.01	18.16	19.42
	EDGE 1 Tx slot	21.58	21.12	21.45	23.00				
DTM Multi-slot class 9	GSM 1 Tx slot	25.73	25.78	25.78	27.00	18.10	18.05	18.12	19.42
	EDGE 1 Tx slot	21.54	21.23	21.47	23.00				
DTM Multi-slot class 11	GSM 1 Tx slot	23.97	24.00	24.05	25.20	17.27	17.20	17.28	18.71
	EDGE 2 Tx slots	19.48	19.26	19.38	21.20				

<WCDMA State1>

Band TX Channel	WCDMA II_Ant 4			Tune-up Limit (dBm)	WCDMA IV_Ant 4			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Frequency (MHz)	1852.4	1880	1907.6					
3GPP Rel 99 AWR 12.2Kbps	22.82	22.86	22.80	23.50	22.77	22.80	22.78	23.50
3GPP Rel 99 RMC 12.2Kbps	22.89	22.70	22.85	23.50	22.79	22.83	22.80	23.50
3GPP Rel 6 HSDPA Subtest-1	21.97	21.85	21.79	22.50	21.72	21.81	21.91	22.50
3GPP Rel 6 HSDPA Subtest-2	21.97	21.84	21.77	22.50	21.75	21.85	21.94	22.50
3GPP Rel 6 HSDPA Subtest-3	21.46	21.34	21.28	22.00	21.28	21.33	21.38	22.00
3GPP Rel 6 HSDPA Subtest-4	21.47	21.29	21.27	22.00	21.22	21.32	21.40	22.00
3GPP Rel 6 DC-HSDPA Subtest-1	21.95	21.81	21.77	22.50	21.70	21.78	21.83	22.50
3GPP Rel 6 DC-HSDPA Subtest-2	21.95	21.77	21.80	22.50	21.72	21.78	21.83	22.50
3GPP Rel 6 DC-HSDPA Subtest-3	21.38	21.33	21.25	22.00	21.17	21.24	21.30	22.00
3GPP Rel 6 DC-HSDPA Subtest-4	21.45	21.25	21.24	22.00	21.15	21.20	21.30	22.00
3GPP Rel 6 HSUPA Subtest-1	21.99	21.89	21.89	22.50	21.81	21.85	21.98	22.50
3GPP Rel 6 HSUPA Subtest-2	20.03	19.93	19.89	20.50	19.76	19.88	20.02	20.50
3GPP Rel 6 HSUPA Subtest-3	20.00	19.93	19.88	20.50	19.68	19.87	19.99	20.50
3GPP Rel 6 HSUPA Subtest-4	20.00	19.95	19.88	20.50	19.80	19.85	19.97	20.50
3GPP Rel 6 HSUPA Subtest-5	22.00	21.90	21.80	22.50	21.80	21.90	22.00	22.50
3GPP Rel 7 HSPA (HS-DM) Subtest-1	19.92	20.02	19.95	20.50	20.00	20.06	20.03	20.50



Band 30_Ant 4

Channel	Frequency (MHz)	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
27710						
10	QPSK	1	0	19.31	20.4	0
10	QPSK	1	25	19.33		
10	QPSK	1	49	19.42		
10	QPSK	25	0	19.45	20.4	0
10	QPSK	25	12	19.4		
10	QPSK	25	25	19.38		
10	QPSK	50	0	19.43	20.4	0
10	QPSK	50	0	19.47		
10	QPSK	50	0	19.38		
10	16QAM	1	25	19.36	20.4	0
10	16QAM	1	49	19.38		
10	16QAM	25	0	19.44		
10	16QAM	25	12	19.29	20.4	0
10	16QAM	25	25	19.35		
10	16QAM	50	0	19.34		
10	64QAM	1	0	19.42	20.4	0
10	64QAM	1	25	19.43		
10	64QAM	1	49	19.44		
10	64QAM	25	0	19.35	19.9	0.5
10	64QAM	25	12	19.31		
10	64QAM	25	25	19.36		
10	64QAM	50	0	19.3	17.9	2.5
10	256QAM	1	25	17.20		
10	256QAM	1	49	17.30		
10	256QAM	25	0	17.17	17.9	2.5
10	256QAM	25	12	17.24		
10	256QAM	25	25	17.25		
10	256QAM	50	0	17.27		
27735						
5	QPSK	1	0	19.37	20.4	0
5	QPSK	1	12	19.21		
5	QPSK	1	24	19.42		
5	QPSK	12	0	19.43	20.4	0
5	QPSK	12	7	19.38		
5	QPSK	12	13	19.26		
5	QPSK	25	0	19.36	20.4	0
5	QPSK	25	0	19.36		
5	QPSK	25	0	19.35		
5	16QAM	1	0	19.34	20.4	0
5	16QAM	1	12	19.29		
5	16QAM	1	24	19.29		
5	16QAM	12	0	19.35	20.4	0
5	16QAM	12	7	19.27		
5	16QAM	12	13	19.26		
5	16QAM	25	0	19.2	20.4	0
5	16QAM	25	0	19.27		
5	16QAM	25	0	19.25		
5	64QAM	1	12	19.4	20.4	0
5	64QAM	1	24	19.33		
5	64QAM	12	0	19.35		
5	64QAM	12	7	19.12	19.9	0.5
5	64QAM	12	13	19.31		
5	64QAM	25	0	19.15		
5	256QAM	1	0	17.04	17.9	2.5
5	256QAM	1	12	17.17		
5	256QAM	1	24	17.08		
5	256QAM	12	0	17.19	17.9	2.5
5	256QAM	12	7	17.02		
5	256QAM	12	13	17.10		
5	256QAM	25	0	17.15		
5	256QAM	25	0	17.22		
5	256QAM	25	0	17.13		

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Channel	Frequency (MHz)	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
27710						
10	QPSK	1	0	20.45	21.3	0
10	QPSK	1	25	20.35		
10	QPSK	1	49	20.39		
10	QPSK	25	0	20.32	21.3	0
10	QPSK	25	12	20.30		
10	QPSK	25	25	20.28		
10	QPSK	50	0	20.30	21.3	0
10	QPSK	50	0	20.32		
10	QPSK	50	0	20.33		
10	16QAM	1	25	20.38	21.3	0
10	16QAM	1	49	20.38		
10	16QAM	25	0	20.29		
10	16QAM	25	12	20.28	21.3	0
10	16QAM	25	25	20.28		
10	16QAM	50	0	20.25		
10	64QAM	1	0	20.28	21.3	0
10	64QAM	1	25	20.34		
10	64QAM	1	49	20.34		
10	64QAM	25	0	19.90	20.8	0.5
10	64QAM	25	12	19.85		
10	64QAM	25	25	19.80		
10	64QAM	50	0	19.88	18.8	2.5
10	256QAM	1	25	17.88		
10	256QAM	1	49	17.80		
10	256QAM	25	0	17.85	18.8	2.5
10	256QAM	25	12	17.90		
10	256QAM	25	25	17.85		
10	256QAM	50	0	17.81		
27735						
5	QPSK	1	0	20.28	21.3	0
5	QPSK	1	12	20.20		
5	QPSK	1	24	20.28		
5	QPSK	12	0	20.26	21.3	0
5	QPSK	12	7	20.11		
5	QPSK	12	13	20.14		
5	QPSK	25	0	20.11	21.3	0
5	QPSK	25	0	20.14		
5	QPSK	25	0	20.20		
5	16QAM	1	0	20.22	21.3	0
5	16QAM	1	12	20.21		
5	16QAM	1	24	20.17		
5	16QAM	12	0	20.25	21.3	0
5	16QAM	12	7	20.20		
5	16QAM	12	13	20.15		
5	16QAM	25	0	20.16	21.3	0
5	16QAM	25	0	20.12		
5	16QAM	25	0	20.09		
5	64QAM	1	12	20.25	21.3	0
5	64QAM	1	24	20.23		
5	64QAM	12	0	20.12		
5	64QAM	12	7	19.73	20.8	0.5
5	64QAM	12	13	19.76		
5	64QAM	25	0	19.72		
5	256QAM	1	0	17.88	18.8	2.5
5	256QAM	1	12	17.85		
5	256QAM	1	24	17.84		
5	256QAM	12	0	17.75	18.8	2.5
5	256QAM	12	7	17.89		
5	256QAM	12	13	17.76		
5	256QAM	25	0	17.74		
5	256QAM	25	0	17.74		



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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)	MPR (dB)
Channel								
Frequency (MHz)				372800	376800	380800		
				1860	1860	1900		
20	Pi/2 BPSK	1	1	22.25	22.28	22.28	24.2	0.0
20	Pi/2 BPSK	1	63	22.34	22.37	22.33		
20	Pi/2 BPSK	1	104	22.22	22.20	22.24		
20	Pi/2 BPSK	50	0	21.77	21.91	21.83	23.7	0.5
20	Pi/2 BPSK	50	98	22.23	22.25	22.33	24.2	0.0
20	Pi/2 BPSK	50	56	21.80	21.83	21.75	23.7	0.5
20	Pi/2 BPSK	100	0	21.82	21.89	21.75		
20	QPSK	1	1	22.95	23.08	22.98		
20	QPSK	1	63	22.84	23.07	23.05	24.2	0.0
20	QPSK	1	104	22.89	23.00	22.94		
20	QPSK	50	0	22.30	22.37	22.20		
20	QPSK	50	26	22.81	22.81	22.75	24.2	0.0
20	QPSK	50	56	22.35	22.38	22.22	23.2	1.0
20	QPSK	100	0	22.55	22.37	22.30		
20	16QAM	1	1	21.32	21.44	21.27		
20	64QAM	1	1	20.32	20.40	20.32	21.7	2.5
20	256QAM	1	1	19.88	19.02	19.05	19.7	4.5
Channel								
Frequency (MHz)				371600	376000	380500	Tune-up limit	MPR
				1877.5	1860	1874.5	(dBm)	(dB)
15	QPSK	1	1	22.08	22.34	22.80	24.2	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune-up limit	MPR
				1865	1860	1860	(dBm)	(dB)
10	QPSK	1	1	22.37	22.83	22.83	24.2	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune-up limit	MPR
				1867.5	1860	1867.5	(dBm)	(dB)
5	QPSK	1	1	22.05	22.60	22.65	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				372800	376900	380900		
				1860	1860	1900		
20	Pi/2 BPSK	1	1	21.41	21.52	21.47	22.7	0.0
20	Pi/2 BPSK	1	63	21.21	21.40	21.27		
20	Pi/2 BPSK	1	104	21.17	21.25	21.14		
20	Pi/2 BPSK	50	0	21.14	21.20	21.01	22.7	0.0
20	Pi/2 BPSK	50	98	21.32	21.46	21.35	22.7	0.0
20	Pi/2 BPSK	50	56	21.29	21.35	21.20	22.7	0.0
20	Pi/2 BPSK	100	0	21.25	21.38	21.31		
20	QPSK	1	1	21.48	21.62	21.58		
20	QPSK	1	63	21.41	21.41	21.37	22.7	0.0
20	QPSK	1	104	21.17	21.34	21.28		
20	QPSK	50	0	21.32	21.33	21.27		
20	QPSK	50	26	21.42	21.52	21.48	22.7	0.0
20	QPSK	50	56	21.35	21.42	21.23	22.7	0.0
20	QPSK	100	0	21.32	21.44	21.43		
20	16QAM	1	1	21.38	21.45	21.37		
20	64QAM	1	1	21.27	21.35	21.22	22.2	0.5
20	256QAM	1	1	19.08	18.25	18.13	19.2	2.5
Channel								
Frequency (MHz)				371500	376900	380500	Tune-up limit	MPR
				1877.5	1860	1874.5	(dBm)	(dB)
15	QPSK	1	1	21.32	21.50	21.50	22.7	0.0
Channel								
Frequency (MHz)				371000	376900	381000	Tune-up limit	MPR
				1865	1860	1865	(dBm)	(dB)
10	QPSK	1	1	21.44	21.51	21.50	22.7	0.0
Channel								
Frequency (MHz)				370500	376900	381500	Tune-up limit	MPR
				1867.5	1860	1867.5	(dBm)	(dB)
5	QPSK	1	1	21.30	21.63	21.53	22.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				504000	507000	510000		
				2520	2535	2550		
40	Pi/2 BPSK	1	1	18.73	18.79	18.75		
40	Pi/2 BPSK	1	108	18.46	18.59	18.53	20.0	0.0
40	Pi/2 BPSK	1	214	18.76	18.76	18.64		
40	Pi/2 BPSK	108	0	18.51	18.69	18.81	20.0	0.0
40	Pi/2 BPSK	108	54	18.58	18.65	18.59	20.0	0.0
40	Pi/2 BPSK	108	108	18.46	18.62	18.59	20.0	0.0
40	Pi/2 BPSK	216	0	18.56	18.71	18.66		
40	QPSK	1	1	18.76	18.66	18.80		
40	QPSK	1	108	18.37	18.44	18.44	20.0	0.0
40	QPSK	1	214	18.55	18.68	18.65		
40	QPSK	108	0	18.58	18.60	18.50	20.0	0.0
40	QPSK	108	54	18.58	18.67	18.57	20.0	0.0
40	QPSK	108	108	18.80	18.68	18.52	20.0	0.0
40	QPSK	216	0	18.62	18.68	18.55		
40	16QAM	1	1	18.65	18.71	18.71	20.0	0.0
40	64QAM	1	1	18.74	18.74	18.55	20.0	0.0
40	256QAM	1	1	18.15	18.20	18.18	19.0	1.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
				2515	2535	2555		
30	QPSK	1	1	18.68	18.75	18.77	20.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
				2512.5	2535	2557.5		
25	QPSK	1	1	18.63	18.62	18.65	20.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
				2510	2535	2560		
20	QPSK	1	1	18.64	18.70	18.75	20.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	1	18.58	18.74	18.83	20.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	QPSK	1	1	18.71	18.77	18.84	20.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
				2502.5	2535	2567.5		
5	QPSK	1	1	18.61	18.79	18.78	20.0	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				504000	507000	510000		
				2520	2535	2550		
40	Pi/2 BPSK	1	1	18.79	18.82	18.74		
40	Pi/2 BPSK	1	108	18.62	18.77	18.59	20.2	0.0
40	Pi/2 BPSK	1	214	18.81	18.67	18.67		
40	Pi/2 BPSK	108	0	18.59	18.73	18.63	20.2	0.0
40	Pi/2 BPSK	108	54	18.76	18.63	18.71	20.2	0.0
40	Pi/2 BPSK	108	108	18.62	18.69	18.55	20.2	0.0
40	Pi/2 BPSK	216	0	18.75	18.80	18.74		
40	QPSK	1	1	18.87	18.69	18.72		
40	QPSK	1	108	18.56	18.62	18.55	20.2	0.0
40	QPSK	1	214	18.43	18.61	18.42		
40	QPSK	108	0	18.64	18.79	18.75	20.2	0.0
40	QPSK	108	54	18.74	18.62	18.79	20.2	0.0
40	QPSK	108	108	18.46	18.63	18.55	20.2	0.0
40	QPSK	216	0	18.77	18.81	18.79		
40	16QAM	1	1	18.74	18.75	18.57	20.2	0.0
40	64QAM	1	1	18.81	18.72	18.54	20.2	0.0
40	256QAM	1	1	18.73	18.78	18.59	20.2	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
				2515	2535	2555		
30	QPSK	1	1	18.68	18.71	18.54	20.2	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
				2512.5	2535	2557.5		
25	QPSK	1	1	18.75	18.84	18.65	20.2	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
				2510	2535	2560		
20	QPSK	1	1	18.79	18.88	18.55	20.2	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	1	18.73	18.82	18.58	20.2	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
				2505	2535	2565		
10	QPSK	1	1	18.83	18.73	18.63	20.2	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
				2502.5	2535	2567.5		
5	QPSK	1	1	18.77	18.85	18.71	20.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
				1870	1882.5	1895		
40	PI2 BPSK	1	1	23.19	23.35	23.33	24.2	0.0
40	PI2 BPSK	1	108	23.22	23.30	23.30		
40	PI2 BPSK	1	214	23.15	23.25	23.11		
40	PI2 BPSK	108	0	22.99	23.10	23.03	23.7	0.5
40	PI2 BPSK	108	54	23.03	23.22	23.17	23.2	0.0
40	PI2 BPSK	108	108	23.07	23.15	23.00	23.7	0.5
40	PI2 BPSK	216	0	23.21	23.24	23.11		
40	QPSK	1	1	23.30	23.30	23.33		
40	QPSK	1	108	23.12	23.30	23.19	24.2	0.0
40	QPSK	1	214	23.23	23.27	23.23		1.0
40	QPSK	108	0	22.40	22.35	22.35	23.2	1.0
40	QPSK	108	54	23.23	23.35	23.34	24.2	0.0
40	QPSK	108	108	22.40	22.33	22.41	23.2	1.0
40	QPSK	216	0	22.44	22.46	22.39		
40	16QAM	1	1	22.47	22.40	22.46	23.2	1.0
40	64QAM	1	1	20.87	20.88	20.93	21.7	2.5
40	256QAM	1	1	19.06	19.05	19.15	19.7	4.5
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
				1805	1822.5	1840		
30	QPSK	1	1	23.06	23.31	23.25	24.2	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
25	QPSK	1	1	23.07	23.23	23.23	24.2	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
				1840	1822.5	1840		
20	QPSK	1	1	23.02	23.23	23.17	24.2	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
15	QPSK	1	1	23.07	23.32	23.25	24.2	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
				1840	1822.5	1840		
10	QPSK	1	1	23.08	23.33	23.23	24.2	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
5	QPSK	1	1	23.12	23.21	23.21	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				373500	376500	379500		
				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.57	21.72	21.71	22.7	0.0
40	PI2 BPSK	1	108	21.51	21.67	21.55		
40	PI2 BPSK	1	214	21.67	21.89	21.52		
40	PI2 BPSK	108	0	21.89	21.73	21.65	22.7	0.0
40	PI2 BPSK	108	54	21.55	21.76	21.65	22.7	0.0
40	PI2 BPSK	108	108	21.68	21.86	21.82	22.7	0.0
40	PI2 BPSK	216	0	21.89	21.76	21.61		
40	QPSK	1	1	21.88	21.90	21.73		
40	QPSK	1	108	21.81	21.81	21.53	22.7	0.0
40	QPSK	1	214	21.59	21.60	21.53		
40	QPSK	108	0	21.46	21.61	21.46	22.7	0.0
40	QPSK	108	54	21.68	21.77	21.68	22.7	0.0
40	QPSK	108	108	21.58	21.70	21.52	22.7	0.0
40	QPSK	216	0	21.46	21.68	21.50		
40	16QAM	1	1	21.51	21.62	21.59	22.7	0.0
40	64QAM	1	1	21.20	21.30	21.30	22.2	0.5
40	256QAM	1	1	19.30	19.50	19.31	19.2	2.5
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
				1805	1822.5	1840		
30	QPSK	1	1	21.87	21.91	21.73	22.7	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
25	QPSK	1	1	21.88	21.94	21.73	22.7	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
				1840	1822.5	1840		
20	QPSK	1	1	21.76	21.93	21.62	22.7	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
15	QPSK	1	1	21.88	21.82	21.70	22.7	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
				1840	1822.5	1840		
10	QPSK	1	1	21.74	21.89	21.69	22.7	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
				1822.5	1822.5	1822.5		
5	QPSK	1	1	21.71	21.75	21.64	22.7	0.0



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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)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PV2 BPSK	1	1	20.88			21.7	0.0
10	PV2 BPSK	1	26	20.72				
10	PV2 BPSK	1	50	20.74				
10	PV2 BPSK	25	0	20.77			21.7	0.0
10	PV2 BPSK	25	14	20.78			21.7	0.0
10	PV2 BPSK	25	27	20.78			21.7	0.0
10	PV2 BPSK	50	0	20.78			21.7	0.0
10	QPSK	1	1	20.80				
10	QPSK	1	26	20.83			21.7	0.0
10	QPSK	1	50	20.86				
10	QPSK	25	0	20.80			21.7	0.0
10	QPSK	25	14	20.88			21.7	0.0
10	QPSK	25	27	20.70			21.7	0.0
10	QPSK	50	0	20.88			21.7	0.0
10	16QAM	1	1	20.77			21.7	0.0
10	64QAM	1	1	20.22			21.2	0.5
10	256QAM	1	1	18.22			19.2	2.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.88	20.81	20.90	21.7	0.0

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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)	MPR (dB)
Channel				349000				
Frequency (MHz)				1790				
40	PV2 BPSK	1	1	22.19	22.35	22.22		
40	PV2 BPSK	1	108	22.12	22.23	22.08	23.7	0.0
40	PV2 BPSK	1	214	22.12	22.20	22.08		
40	PV2 BPSK	108	0	21.46	21.30	21.42	23.2	0.5
40	PV2 BPSK	108	84	22.06	22.15	22.03	23.7	0.0
40	PV2 BPSK	108	108	21.48	21.26	21.48	23.2	0.5
40	PV2 BPSK	216	0	21.46	21.20	21.35		
40	QPSK	1	1	22.30	22.38	22.25		
40	QPSK	1	108	22.10	22.23	22.18	23.7	0.0
40	QPSK	1	214	22.05	22.15	22.11		
40	QPSK	108	0	22.13	22.30	22.23	22.7	1.0
40	QPSK	108	84	22.08	22.25	22.15	22.7	0.0
40	QPSK	108	108	22.06	22.22	22.15	22.7	1.0
40	QPSK	216	0	22.12	22.31	22.10		
40	16QAM	1	1	22.07	22.10	21.91	22.7	1.0
40	64QAM	1	1	20.72	20.80	20.82	21.2	2.5
40	256QAM	1	1	18.90	18.74	18.85	19.2	4.5
Channel				349000	349000	349000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.03	22.18	22.15	23.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.08	22.19	22.13	23.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.00	22.25	22.11	23.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.05	22.22	22.09	23.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.01	22.17	22.10	23.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.16	22.28	22.10	23.7	0.0



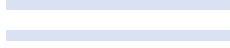
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Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel	345000	349000	353000					
Frequency (MHz)	1730	1745	1760					
40	PV2 BPSK	1	1	20.41	20.57	20.51	21.7	0.0
40	PV2 BPSK	1	108	20.38	20.49	20.47		
40	PV2 BPSK	1	214	20.23	20.38	20.21		
40	PV2 BPSK	108	0	20.29	20.39	20.38	21.7	0.0
40	PV2 BPSK	108	54	20.28	20.48	20.48		0.0
40	PV2 BPSK	108	108	20.35	20.40	20.33		0.0
40	PV2 BPSK	216	0	20.43	20.43	20.38	21.7	0.0
40	QPSK	1	1	20.59	20.62	20.55		
40	QPSK	1	108	20.30	20.48	20.38	21.7	0.0
40	QPSK	1	214	20.34	20.37	20.18		
40	QPSK	108	0	20.54	20.57	20.48	21.7	0.0
40	QPSK	108	54	20.44	20.60	20.55		0.0
40	QPSK	108	108	20.44	20.52	20.35		0.0
40	QPSK	216	0	20.54	20.61	20.35	21.7	0.0
40	16QAM	1	1	20.17	20.35	20.16	21.7	0.0
40	64QAM	1	1	20.30	20.40	20.38	21.7	0.0
40	256QAM	1	1	19.19	19.35	19.21	20.2	1.5
Channel	345000	349000	353000					
Frequency (MHz)	1725	1745	1765					
30	QPSK	1	1	20.58	20.54	20.43	21.7	0.0
Channel	344500	349000	353500					
Frequency (MHz)	1722.5	1745	1767.5					
25	QPSK	1	1	20.54	20.51	20.42	21.7	0.0
Channel	344000	349000	354000					
Frequency (MHz)	1720	1745	1770					
20	QPSK	1	1	20.46	20.57	20.45	21.7	0.0
Channel	343500	349000	354500					
Frequency (MHz)	1717.5	1745	1772.5					
15	QPSK	1	1	20.56	20.61	20.43	21.7	0.0
Channel	343000	349000	355000					
Frequency (MHz)	1715	1745	1775					
10	QPSK	1	1	20.57	20.53	20.45	21.7	0.0
Channel	342500	349000	355500					
Frequency (MHz)	1712.5	1745	1777.5					
5	QPSK	1	1	20.55	20.53	20.42	21.7	0.0



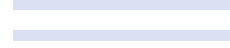
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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				512000	519000	526000		
30	Pi/2 BPSK	1	1	20.18	20.20	20.18	21.2	0.0
30	Pi/2 BPSK	1	40	19.99	20.18	20.12		
30	Pi/2 BPSK	1	77	20.12	20.15	20.08		
30	Pi/2 BPSK	36	0	20.08	20.13	20.05	21.2	0.0
30	Pi/2 BPSK	36	22	20.07	20.10	19.95	21.2	0.0
30	Pi/2 BPSK	36	43	20.02	20.12	20.02	21.2	0.0
30	Pi/2 BPSK	75	0	20.08	20.09	20.00		
30	QPSK	1	1	20.08	20.20	20.16	21.2	0.0
30	QPSK	1	40	20.14	20.20	20.19		
30	QPSK	1	77	20.17	20.21	20.20		
30	QPSK	36	0	20.01	20.17	19.99	21.2	0.0
30	QPSK	36	22	20.17	20.22	20.19	21.2	0.0
30	QPSK	36	43	19.97	20.15	20.02	21.2	0.0
30	QPSK	75	0	20.15	20.20	20.15	21.2	0.0
30	16QAM	1	1	20.07	20.12	19.95	21.2	0.0
30	64QAM	1	1	20.05	20.08	19.98	21.2	0.0
30	256QAM	1	1	19.95	19.98	19.92	21.2	0.0
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.11	20.21	20.03	21.2	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.17	20.03	20.12	21.2	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.22	20.11	20.14	21.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				517000	519000	521000		
30	Pi/2 BPSK	1	1	19.90	19.98	19.91	21.0	0.0
30	Pi/2 BPSK	1	40	19.80	19.82	19.78		
30	Pi/2 BPSK	1	77	19.97	19.99	19.91		
30	Pi/2 BPSK	36	0	19.88	19.88	19.75	21.0	0.0
30	Pi/2 BPSK	36	22	19.93	19.91	19.89	21.0	0.0
30	Pi/2 BPSK	36	43	19.78	19.82	19.80	21.0	0.0
30	Pi/2 BPSK	75	0	19.77	19.85	19.77		
30	QPSK	1	1	20.00	20.03	19.98	21.0	0.0
30	QPSK	1	40	19.78	19.84	19.78		
30	QPSK	1	77	19.98	20.01	19.93		
30	QPSK	36	0	19.82	19.82	19.73	21.0	0.0
30	QPSK	36	22	19.83	19.90	19.82	21.0	0.0
30	QPSK	36	43	19.73	19.81	19.69	21.0	0.0
30	QPSK	75	0	19.85	19.88	19.78	21.0	0.0
30	16QAM	1	1	19.85	19.91	19.82	21.0	0.0
30	64QAM	1	1	19.22	19.25	19.13	21.0	0.0
30	256QAM	1	1	19.34	19.33	19.29	19.0	1.0
Channel								
Frequency (MHz)				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.83	19.88	19.75	21.0	0.0
Channel								
Frequency (MHz)				515500	519000	522500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.74	19.97	19.75	21.0	0.0
Channel								
Frequency (MHz)				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.77	19.97	19.79	21.0	0.0





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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)	MPR (dB)
Channel								
Frequency (MHz)				506200	518998	530800		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	20.48	20.65	20.48	21.2	0.0
100	PV2 BPSK	1	137	20.46	20.62	20.45		
100	PV2 BPSK	1	271	20.50	20.59	20.50		
100	PV2 BPSK	135	0	20.41	20.60	20.50	21.2	0.0
100	PV2 BPSK	135	69	20.51	20.57	20.52	21.2	0.0
100	PV2 BPSK	135	138	20.54	20.62	20.55	21.2	0.0
100	PV2 BPSK	270	0	20.46	20.59	20.40		
100	QPSK	1	1	20.60	20.70	20.58		
100	QPSK	1	137	20.46	20.55	20.55	21.2	0.0
100	QPSK	1	271	20.53	20.60	20.54		
100	QPSK	135	0	20.58	20.62	20.62		
100	QPSK	135	69	20.58	20.66	20.54	21.2	0.0
100	QPSK	135	138	20.41	20.57	20.57		
100	QPSK	270	0	20.38	20.51	20.39	21.2	0.0
100	16QAM	1	1	20.26	20.45	20.29	21.2	0.0
100	16QAM	1	1	20.03	20.01	20.05	20.7	0.5
100	16QAM	1	1	17.70	17.77	17.72	18.7	2.5
Channel								
Frequency (MHz)				506200	518998	528996	Tune-up limit	MPR
				2541	2592.99	2644.86	(dB)	(dB)
90	QPSK	1	1	20.58	20.58	20.49	21.2	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
				2536.02	2592.99	2648.89	(dB)	(dB)
80	QPSK	1	1	20.54	20.55	20.50	21.2	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
				2531.01	2592.99	2655	(dB)	(dB)
70	QPSK	1	1	20.46	20.63	20.42	21.2	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
				2526	2592.99	2659.86	(dB)	(dB)
60	QPSK	1	1	20.53	20.62	20.53	21.2	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
				2511	2592.99	2674.86	(dB)	(dB)
50	QPSK	1	1	20.41	20.61	20.57	21.2	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
				2516.01	2592.99	2690	(dB)	(dB)
40	QPSK	1	1	20.59	20.60	20.50	21.2	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
				2511	2592.99	2674.86	(dB)	(dB)
30	QPSK	1	1	20.49	20.58	20.58	21.2	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
				2506.01	2592.99	2679.89	(dB)	(dB)
20	QPSK	1	1	20.58	20.64	20.53	21.2	0.0
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
				2501.5	2592.99	2682.48	(dB)	(dB)
15	QPSK	1	1	20.50	20.63	20.45	21.2	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
				2501.01	2592.99	2688	(dB)	(dB)
10	QPSK	1	1	19.47	20.55	20.48	21.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				506200	518998	530800		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	20.48	20.65	20.48	21.2	0.0
100	PV2 BPSK	1	137	20.46	20.62	20.45		
100	PV2 BPSK	1	271	20.50	20.59	20.50		
100	PV2 BPSK	135	0	20.41	20.60	20.50	21.2	0.0
100	PV2 BPSK	135	69	20.51	20.57	20.52	21.2	0.0
100	PV2 BPSK	135	138	20.54	20.62	20.55	21.2	0.0
100	PV2 BPSK	270	0	20.46	20.59	20.40		
100	QPSK	1	1	20.60	20.70	20.58		
100	QPSK	1	137	20.46	20.55	20.55	21.2	0.0
100	QPSK	1	271	20.53	20.60	20.54		
100	QPSK	135	0	20.58	20.62	20.62		
100	QPSK	135	69	20.58	20.66	20.54	21.2	0.0
100	QPSK	135	138	20.41	20.57	20.57		
100	QPSK	270	0	20.38	20.51	20.39	21.2	0.0
100	16QAM	1	1	20.26	20.45	20.29	21.2	0.0
100	16QAM	1	1	20.03	20.01	20.05	20.7	0.5
100	16QAM	1	1	17.70	17.77	17.72	18.7	2.5
Channel								
Frequency (MHz)				506200	518998	528996	Tune-up limit	MPR
				2541	2592.99	2644.86	(dB)	(dB)
90	QPSK	1	1	20.58	20.58	20.49	21.2	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit	MPR
				2536.02	2592.99	2648.89	(dB)	(dB)
80	QPSK	1	1	20.54	20.55	20.50	21.2	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit	MPR
				2531.01	2592.99	2655	(dB)	(dB)
70	QPSK	1	1	20.46	20.63	20.42	21.2	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit	MPR
				2526	2592.99	2659.86	(dB)	(dB)
60	QPSK	1	1	20.53	20.62	20.53	21.2	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit	MPR
				2511	2592.99	2674.86	(dB)	(dB)
50	QPSK	1	1	20.41	20.61	20.57	21.2	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit	MPR
				2516.01	2592.99	2690	(dB)	(dB)
40	QPSK	1	1	20.59	20.60	20.50	21.2	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit	MPR
				2511	2592.99	2674.86	(dB)	(dB)
30	QPSK	1	1	20.49	20.58	20.58	21.2	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit	MPR
				2506.01	2592.99	2679.89	(dB)	(dB)
20	QPSK	1	1	20.58	20.64	20.53	21.2	0.0
Channel								
Frequency (MHz)				500700	518998	536496	Tune-up limit	MPR
				2501.5	2592.99	2682.48	(dB)	(dB)
15	QPSK	1	1	20.50	20.63	20.45	21.2	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit	MPR
				2501.01	2592.99	2688	(dB)	(dB)
10	QPSK	1	1	19.47	20.55	20.48	21.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				500200	518998	538000		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	20.10	20.21	20.14		
100	PV2 BPSK	1	137	19.92	20.01	20.01	21.0	0.0
100	PV2 BPSK	1	271	20.01	20.07	19.98		
100	PV2 BPSK	135	0	19.78	19.97	19.83	21.0	0.0
100	PV2 BPSK	135	69	19.88	20.08	19.95	21.0	0.0
100	PV2 BPSK	135	138	19.81	19.99	19.97	21.0	0.0
100	PV2 BPSK	270	0	19.90	20.04	20.01		
100	QPSK	1	1	20.06	20.25	20.15		
100	QPSK	1	137	19.93	19.93	19.86	21.0	0.0
100	QPSK	1	271	19.99	20.15	20.03		
100	QPSK	135	0	19.95	19.98	19.83	21.0	0.0
100	QPSK	135	69	20.06	20.13	20.10	21.0	0.0
100	QPSK	135	138	19.94	20.10	20.06		
100	QPSK	270	0	19.98	19.97	19.95	21.0	0.0
100	16QAM	1	1	19.77	19.85	19.78	21.0	0.0
100	64QAM	1	1	20.09	20.09	20.09	21.0	0.0
100	256QAM	1	1	19.22	18.40	19.33	19.5	1.5
Channel								
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)
				2541	2692.99	2844.88	21.0	0.0
90	QPSK	1	1	19.97	20.25	20.15	21.0	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
				2536.02	2692.99	2840.89	21.0	0.0
80	QPSK	1	1	19.99	20.12	19.95	21.0	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
				2531.01	2692.99	2856	21.0	0.0
70	QPSK	1	1	19.99	20.15	19.99	21.0	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
				2526	2692.99	2859.88	21.0	0.0
60	QPSK	1	1	19.99	20.21	20.07	21.0	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
				2521.00	2692.99	2864.89	21.0	0.0
50	QPSK	1	1	20.00	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
				2516.01	2692.99	2870	21.0	0.0
40	QPSK	1	1	20.04	20.14	20.08	21.0	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
				2511	2692.99	2874.88	21.0	0.0
30	QPSK	1	1	20.01	20.12	20.00	21.0	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
				2506.01	2692.99	2879.89	21.0	0.0
20	QPSK	1	1	19.96	20.19	20.10	21.0	0.0
Channel								
Frequency (MHz)				500700	518998	538496	Tune-up limit (dBm)	MPR (dB)
				2501.5	2692.99	2882.48	21.0	0.0
15	QPSK	1	1	20.01	20.14	20.11	21.0	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
				2501.01	2692.99	2885	21.0	0.0
10	QPSK	1	1	19.98	20.23	20.11	21.0	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				500200	518998	538000		
				2546.01	2692.99	2840		
100	PV2 BPSK	1	1	20.10	20.21	20.14		
100	PV2 BPSK	1	137	19.92	20.01	20.01	21.0	0.0
100	PV2 BPSK	1	271	20.01	20.07	19.98		
100	PV2 BPSK	135	0	19.78	19.97	19.83	21.0	0.0
100	PV2 BPSK	135	69	19.88	20.08	19.95	21.0	0.0
100	PV2 BPSK	135	138	19.81	19.99	19.97	21.0	0.0
100	PV2 BPSK	270	0	19.90	20.04	20.01		
100	QPSK	1	1	20.06	20.25	20.15		
100	QPSK	1	137	19.93	19.93	19.86	21.0	0.0
100	QPSK	1	271	19.99	20.15	20.03		
100	QPSK	135	0	19.95	19.98	19.83	21.0	0.0
100	QPSK	135	69	20.06	20.13	20.10	21.0	0.0
100	QPSK	135	138	19.94	20.10	20.06		
100	QPSK	270	0	19.98	19.97	19.95	21.0	0.0
100	16QAM	1	1	19.77	19.85	19.78	21.0	0.0
100	64QAM	1	1	20.09	20.09	20.09	21.0	0.0
100	256QAM	1	1	19.22	18.40	19.33	19.5	1.5
Channel								
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)
				2541	2692.99	2844.88	21.0	0.0
90	QPSK	1	1	19.97	20.25	20.15	21.0	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
				2536.02	2692.99	2840.89	21.0	0.0
80	QPSK	1	1	19.99	20.12	19.95	21.0	0.0
Channel								
Frequency (MHz)				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
				2531.01	2692.99	2856	21.0	0.0
70	QPSK	1	1	19.99	20.15	19.99	21.0	0.0
Channel								
Frequency (MHz)				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
				2526	2692.99	2859.88	21.0	0.0
60	QPSK	1	1	19.99	20.21	20.07	21.0	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
				2521.00	2692.99	2864.89	21.0	0.0
50	QPSK	1	1	20.00	20.13	20.08	21.0	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
				2516.01	2692.99	2870	21.0	0.0
40	QPSK	1	1	20.04	20.14	20.08	21.0	0.0
Channel								
Frequency (MHz)				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
				2511	2692.99	2874.88	21.0	0.0
30	QPSK	1	1	20.01	20.12	20.00	21.0	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
				2506.01	2692.99	2879.89	21.0	0.0
20	QPSK	1	1	19.96	20.19	20.10	21.0	0.0
Channel								
Frequency (MHz)				500700	518998	538496	Tune-up limit (dBm)	MPR (dB)
				2501.5	2692.99	2882.48	21.0	0.0
15	QPSK	1	1	20.01	20.14	20.11	21.0	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
				2501.01	2692.99	2885	21.0	0.0
10	QPSK	1	1	19.98	20.23	20.11	21.0	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	51898	53800		
				2548.01	2692.99	2840		
100	QPSK	1	1	20.12	20.20	20.10	21.2	0.0
100	QPSK	1	137	19.98	20.10	19.82		
100	QPSK	1	271	19.82	19.88	19.81		
100	QPSK	137	0	19.77	19.93	19.88		
100	QPSK	137	68	19.93	20.10	20.01	21.2	0.0
100	QPSK	137	138	20.01	19.98	19.92		
100	QPSK	273	0	18.75	18.79	18.74		
100	16QAM	1	1	19.48	19.67	19.54		
100	64QAM	1	1	17.91	18.06	17.92	18.2	2.0
100	256QAM	1	1	15.55	15.44	15.34	18.2	5.0
Channel								
Frequency (MHz)				50200	51898	53898	Tune-up limit (dBm)	MPR (dB)
				2541	2692.99	2844.98		
90	QPSK	1	1	19.94	20.19	20.02	21.2	0.0
Frequency (MHz)				50204	51898	53902	Tune-up limit (dBm)	MPR (dB)
				2538.02	2692.99	2849.99		
80	QPSK	1	1	20.00	20.17	19.99	21.2	0.0
Frequency (MHz)				50209	51898	53909	Tune-up limit (dBm)	MPR (dB)
				2531.01	2692.99	2855		
70	QPSK	1	1	20.07	20.01	20.09	21.2	0.0
Frequency (MHz)				50200	51898	53906	Tune-up limit (dBm)	MPR (dB)
				2528	2692.99	2859.98		
60	QPSK	1	1	19.98	20.01	20.03	21.2	0.0
Frequency (MHz)				50204	51898	53906	Tune-up limit (dBm)	MPR (dB)
				2521.02	2692.99	2864.99		
50	QPSK	1	1	20.04	20.02	19.96	21.2	0.0
Frequency (MHz)				50200	51898	53900	Tune-up limit (dBm)	MPR (dB)
				2518.01	2692.99	2870		
40	QPSK	1	1	19.98	20.13	20.05	21.2	0.0
Frequency (MHz)				50200	51898	53996	Tune-up limit (dBm)	MPR (dB)
				2511	2692.99	2874.98		
30	QPSK	1	1	20.08	20.17	20.00	21.2	0.0
Frequency (MHz)				50204	51898	53998	Tune-up limit (dBm)	MPR (dB)
				2506.02	2692.99	2879.99		
20	QPSK	1	1	20.05	20.14	20.03	21.2	0.0
Frequency (MHz)				50200	51898	53996	Tune-up limit (dBm)	MPR (dB)
				2503.5	2692.99	2882.48		
15	QPSK	1	1	20.00	20.15	20.01	21.2	0.0
Frequency (MHz)				50200	51898	53700	Tune-up limit (dBm)	MPR (dB)
				2501.01	2692.99	2885		
10	QPSK	1	1	20.01	20.16	20.06	21.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				50000	51898	53800		
				2546.01	2692.99	2840		
100	QPSK	1	1	20.14	20.22	20.20	21.0	0.0
100	QPSK	1	137	20.01	20.14	20.14		
100	QPSK	1	271	20.11	20.07	19.99		
100	QPSK	137	0	20.12	20.08	20.15		
100	QPSK	137	68	20.05	20.21	20.04	21.0	0.0
100	QPSK	137	138	20.13	19.95	20.00		
100	QPSK	273	0	19.06	19.11	19.00		
100	16QAM	1	1	20.08	20.19	20.21		
100	64QAM	1	1	19.16	19.21	19.30	20.0	1.0
100	256QAM	1	1	16.23	16.29	16.30	17.0	4.0
Channel								
Frequency (MHz)				50200	51898	53898	Tune-up limit (dBm)	MPR (dB)
				2541	2692.99	2844.98		
90	QPSK	1	1	20.07	20.00	20.18	21.0	0.0
Frequency (MHz)				50204	51898	53902	Tune-up limit (dBm)	MPR (dB)
				2538.02	2692.99	2849.99		
80	QPSK	1	1	20.10	20.02	20.11	21.0	0.0
Frequency (MHz)				50209	51898	53909	Tune-up limit (dBm)	MPR (dB)
				2531.01	2692.99	2855		
70	QPSK	1	1	19.94	20.07	20.11	21.0	0.0
Frequency (MHz)				50200	51898	53906	Tune-up limit (dBm)	MPR (dB)
				2528	2692.99	2859.98		
60	QPSK	1	1	20.03	20.14	20.14	21.0	0.0
Frequency (MHz)				50204	51898	53906	Tune-up limit (dBm)	MPR (dB)
				2521.02	2692.99	2864.99		
50	QPSK	1	1	20.10	20.01	20.00	21.0	0.0
Frequency (MHz)				50200	51898	53900	Tune-up limit (dBm)	MPR (dB)
				2518.01	2692.99	2870		
40	QPSK	1	1	19.98	20.14	20.05	21.0	0.0
Frequency (MHz)				50200	51898	53996	Tune-up limit (dBm)	MPR (dB)
				2511	2692.99	2874.98		
30	QPSK	1	1	20.12	20.03	20.04	21.0	0.0
Frequency (MHz)				50204	51898	53998	Tune-up limit (dBm)	MPR (dB)
				2506.02	2692.99	2879.99		
20	QPSK	1	1	19.97	20.01	20.05	21.0	0.0
Frequency (MHz)				50200	51898	53996	Tune-up limit (dBm)	MPR (dB)
				2503.5	2692.99	2882.48		
15	QPSK	1	1	20.01	20.02	20.01	21.0	0.0
Frequency (MHz)				50200	51898	53700	Tune-up limit (dBm)	MPR (dB)
				2501.01	2692.99	2885		
10	QPSK	1	1	19.93	20.11	20.03	21.0	0.0



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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)	MPR (dB)
Channel				636000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	16.97	16.98	16.89	18.2	0.0
40	PV2 BPSK	1	53	16.76	16.79	16.78		
40	PV2 BPSK	1	104	16.84	16.92	16.83		
40	PV2 BPSK	50	0	16.83	16.97	16.85	18.2	0.0
40	PV2 BPSK	50	26	16.94	17.05	17.03	18.2	0.0
40	PV2 BPSK	50	56	16.86	16.95	16.89		
40	PV2 BPSK	100	0	16.75	16.83	16.89	18.2	0.0
40	QPSK	1	1	17.07	17.10	16.97		
40	QPSK	1	53	16.70	16.73	16.83	18.2	0.0
40	QPSK	1	104	16.82	16.93	16.85		
40	QPSK	50	0	16.96	17.02	16.95		
40	QPSK	50	26	17.04	17.05	16.88	18.2	0.0
40	QPSK	50	56	16.72	16.85	16.86		
40	QPSK	100	0	16.85	16.93	16.74	18.2	0.0
40	16QAM	1	1	16.80	16.94	16.82	18.2	0.0
40	64QAM	1	1	16.84	16.97	16.95	18.2	0.0
40	256QAM	1	1	16.97	17.05	17.04	18.2	0.0
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3501.11	3524.09	3599	(dBm)	(dB)
20	QPSK	1	1	17.04	16.92	16.85	18.2	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3505	3524.09	3594.98	(dBm)	(dB)
10	QPSK	1	1	16.98	17.01	16.91	18.2	0.0

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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)	MPR (dB)
Channel				636000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	19.97	20.14	20.11	21.2	0.0
40	PV2 BPSK	1	53	20.11	20.16	20.11		
40	PV2 BPSK	1	104	20.13	20.15	19.98		
40	PV2 BPSK	50	0	19.88	20.05	19.91	21.2	0.0
40	PV2 BPSK	50	26	20.06	20.15	20.14	21.2	0.0
40	PV2 BPSK	50	56	19.92	20.05	20.01		
40	PV2 BPSK	100	0	19.94	20.13	19.96	21.2	0.0
40	QPSK	1	1	20.03	20.20	20.03		
40	QPSK	1	53	19.83	19.97	19.95	21.2	0.0
40	QPSK	1	104	20.11	20.15	20.03		
40	QPSK	50	0	20.03	20.03	19.91		
40	QPSK	50	26	20.11	20.14	20.13	21.2	0.0
40	QPSK	50	56	20.04	20.06	19.95		
40	QPSK	100	0	20.04	20.08	19.95	21.2	0.0
40	16QAM	1	1	20.06	20.10	20.08	21.2	0.0
40	64QAM	1	1	19.98	20.12	20.12	21.2	0.0
40	256QAM	1	1	19.92	19.95	19.83	20.7	0.5
Channel				637334	641666	646000	Tune-up limit	MPR
Frequency (MHz)				3501.11	3524.09	3599	(dBm)	(dB)
20	QPSK	1	1	19.97	20.05	19.91	21.2	0.0
Channel				637000	641666	646332	Tune-up limit	MPR
Frequency (MHz)				3505	3524.09	3594.98	(dBm)	(dB)
10	QPSK	1	1	19.91	20.06	19.95	21.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	16.37	16.59	16.43	17.7	0.0
100	Pi/2 BPSK	1	137	16.41	16.44	16.32		
100	Pi/2 BPSK	1	271	16.37	16.36	16.35		
100	Pi/2 BPSK	135	0	16.37	16.43	16.36		
100	Pi/2 BPSK	135	69	16.38	16.54	16.25	17.7	0.0
100	Pi/2 BPSK	135	138	16.33	16.38	16.31	17.7	0.0
100	Pi/2 BPSK	270	0	16.42	16.27	16.25	17.7	0.0
100	QPSK	1	1	16.58	16.70	16.60	17.7	0.0
100	QPSK	1	137	16.46	16.54	16.48		
100	QPSK	1	271	16.23	16.28	16.26		
100	QPSK	135	0	16.32	16.56	16.41		
100	QPSK	135	69	16.29	16.66	16.31	17.7	0.0
100	QPSK	135	138	16.29	16.34	16.29	17.7	0.0
100	QPSK	270	0	16.46	16.50	16.35	17.7	0.0
100	16QAM	1	1	16.48	16.51	16.27	17.7	0.0
100	64QAM	1	1	16.29	16.44	16.33	17.7	0.0
100	256QAM	1	1	16.19	16.34	16.15	17.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.26	16.51	16.42	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.53	16.65	16.57	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.44	16.56	16.50	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.44	16.62	16.55	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.43	16.54	16.50	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.51	16.52	16.59	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.52	16.65	16.56	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.58	16.57	16.48	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.57	16.55	16.51	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.47	16.63	16.59	Tune-up limit (dBm)	MPR

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	16.37	16.59	16.43	17.7	0.0
100	Pi/2 BPSK	1	137	16.41	16.44	16.32		
100	Pi/2 BPSK	1	271	16.37	16.36	16.35		
100	Pi/2 BPSK	135	0	16.37	16.43	16.36		
100	Pi/2 BPSK	135	69	16.38	16.54	16.25	17.7	0.0
100	Pi/2 BPSK	135	138	16.33	16.38	16.31	17.7	0.0
100	Pi/2 BPSK	270	0	16.42	16.27	16.25	17.7	0.0
100	QPSK	1	1	16.58	16.70	16.60	17.7	0.0
100	QPSK	1	137	16.46	16.54	16.48		
100	QPSK	1	271	16.23	16.28	16.26		
100	QPSK	135	0	16.32	16.56	16.41		
100	QPSK	135	69	16.29	16.66	16.31	17.7	0.0
100	QPSK	135	138	16.29	16.34	16.29	17.7	0.0
100	QPSK	270	0	16.46	16.50	16.35	17.7	0.0
100	16QAM	1	1	16.48	16.51	16.27	17.7	0.0
100	64QAM	1	1	16.29	16.44	16.33	17.7	0.0
100	256QAM	1	1	16.19	16.34	16.15	17.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.56	16.51	16.42	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.53	16.65	16.57	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.44	16.56	16.50	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.44	16.62	16.55	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.43	16.54	16.50	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.51	16.52	16.59	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.52	16.65	16.56	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.58	16.57	16.48	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.57	16.55	16.51	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.47	16.63	16.59	Tune-up limit (dBm)	MPR



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63698		
100	Pi/2 BPSK	1	1	16.28	16.28	16.28	17.7	0.0
100	Pi/2 BPSK	1	137	16.44	16.44	16.44		
100	Pi/2 BPSK	1	271	16.32	16.32	16.32		
100	Pi/2 BPSK	135	0	16.45	16.45	16.45	17.7	0.0
100	Pi/2 BPSK	135	69	16.28	16.28	16.28	17.7	0.0
100	Pi/2 BPSK	135	138	16.43	16.43	16.43		
100	Pi/2 BPSK	270	0	16.38	16.38	16.38	17.7	0.0
100	QPSK	1	1	16.65	16.65	16.65		
100	QPSK	1	137	16.37	16.37	16.37	17.7	0.0
100	QPSK	1	271	16.28	16.28	16.28		
100	QPSK	135	0	16.52	16.52	16.52		
100	QPSK	135	69	16.55	16.55	16.55	17.7	0.0
100	QPSK	135	138	16.35	16.35	16.35		
100	QPSK	270	0	16.37	16.37	16.37	17.7	0.0
100	16QAM	1	1	16.44	16.44	16.44	17.7	0.0
100	64QAM	1	1	16.48	16.48	16.48	17.7	0.0
100	256QAM	1	1	16.21	16.21	16.21	17.7	0.0
Channel								
Frequency (MHz)				63300	63332	63696	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.48	16.48	16.48	17.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.57	16.57	16.57	17.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.45	16.45	16.45	17.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.49	16.49	16.49	17.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.59	16.59	16.59	17.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.44	16.44	16.44	17.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.52	16.52	16.52	17.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.43	16.43	16.43	17.7	0.0
Channel								
Frequency (MHz)				63034	63332	63636	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.40	16.40	16.40	17.7	0.0
Channel								
Frequency (MHz)				63000	63332	63670	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.50	16.50	16.50	17.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63698		
100	Pi/2 BPSK	1	1	16.58	16.58	16.58	17.7	0.0
100	Pi/2 BPSK	1	137	16.44	16.44	16.44		
100	Pi/2 BPSK	1	271	16.32	16.32	16.32		
100	Pi/2 BPSK	135	0	16.45	16.45	16.45	17.7	0.0
100	Pi/2 BPSK	135	69	16.28	16.28	16.28	17.7	0.0
100	Pi/2 BPSK	135	138	16.43	16.43	16.43		
100	Pi/2 BPSK	270	0	16.38	16.38	16.38	17.7	0.0
100	QPSK	1	1	16.65	16.65	16.65		
100	QPSK	1	137	16.37	16.37	16.37	17.7	0.0
100	QPSK	1	271	16.28	16.28	16.28		
100	QPSK	135	0	16.52	16.52	16.52		
100	QPSK	135	69	16.55	16.55	16.55	17.7	0.0
100	QPSK	135	138	16.35	16.35	16.35		
100	QPSK	270	0	16.37	16.37	16.37	17.7	0.0
100	16QAM	1	1	16.44	16.44	16.44	17.7	0.0
100	64QAM	1	1	16.48	16.48	16.48	17.7	0.0
100	256QAM	1	1	16.21	16.21	16.21	17.7	0.0
Channel								
Frequency (MHz)				63300	63332	63696	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	16.48	16.48	16.48	17.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	16.57	16.57	16.57	17.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	16.45	16.45	16.45	17.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	16.49	16.49	16.49	17.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	16.59	16.59	16.59	17.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	16.44	16.44	16.44	17.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.52	16.52	16.52	17.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.43	16.43	16.43	17.7	0.0
Channel								
Frequency (MHz)				63034	63332	63636	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.40	16.40	16.40	17.7	0.0
Channel								
Frequency (MHz)				63000	63332	63670	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.50	16.50	16.50	17.7	0.0



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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)	MPR (dB)		
Channel										
Frequency (MHz)				650000	660000	660000				
				3760	3840	3930				
100	QPSK	1	1	16.58	16.69	16.84	17.7	0.0		
100	QPSK	1	137	16.46	16.40	16.52				
100	QPSK	1	271	16.67	16.37	16.41				
100	QPSK	137	0	16.56	16.47	16.34	17.7	0.0		
100	QPSK	137	68	16.92	16.66	16.56				
100	QPSK	137	138	16.58	16.33	16.31				
100	QPSK	273	0	16.59	16.60	16.42	17.7	0.0		
100	16QAM	1	1	16.60	16.50	16.24				
100	64QAM	1	1	16.49	16.50	16.48				
100	256QAM	1	1	16.47	16.40	16.34	17.7	0.0		
Channel				652000	662000	662000				
Frequency (MHz)				3745.02	3840	3934.98				
90	QPSK	1	1	16.61	16.52	16.56	17.7	0.0		
Channel				653333	663000	663000				
Frequency (MHz)				3749.01	3840	3939.99				
80	QPSK	1	1	16.68	16.61	16.62	17.7	0.0		
Channel				655000	665000	665000				
Frequency (MHz)				3749.01	3840	3945				
70	QPSK	1	1	16.63	16.65	16.53	17.7	0.0		
Channel				655900	665900	665900				
Frequency (MHz)				3730.02	3840	3949.98				
60	QPSK	1	1	16.65	16.54	16.57	17.7	0.0		
Channel				655900	665900	665900				
Frequency (MHz)				3726.01	3840	3954.99				
50	QPSK	1	1	16.64	16.54	16.52	17.7	0.0		
Channel				656000	666000	666000				
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	16.53	16.67	16.61	17.7	0.0		
Channel				656900	666900	666900				
Frequency (MHz)				3715.02	3840.00	3964.98				
30	QPSK	1	1	16.67	16.63	16.60	17.7	0.0		
Channel				657334	667000	667000				
Frequency (MHz)				3710.01	3840	3969.99				
20	QPSK	1	1	16.65	16.51	16.40	17.7	0.0		
Channel				657168	667000	667000				
Frequency (MHz)				3707.52	3840	3972.48				
15	QPSK	1	1	16.63	16.61	16.55	17.7	0.0		
Channel				647000	667000	667000				
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	16.61	16.61	16.50	17.7	0.0		
Channel				647000	667000	667000				
Frequency (MHz)				3705	3840	3975				

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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)	MPR (dB)		
Channel										
Frequency (MHz)				633000	633333	633999				
				3495	3499.98	3504.99				
100	QPSK	1	1	16.64	16.64	16.64	17.7	0.0		
100	QPSK	1	137	16.57	16.57	16.57				
100	QPSK	1	271	16.50	16.50	16.50				
100	QPSK	137	0	16.52	16.52	16.52	17.7	0.0		
100	QPSK	137	68	16.60	16.60	16.60				
100	QPSK	137	138	16.49	16.49	16.49				
100	QPSK	273	0	16.43	16.43	16.43	17.7	0.0		
100	16QAM	1	1	16.48	16.48	16.48				
100	64QAM	1	1	16.50	16.50	16.50				
100	256QAM	1	1	16.44	16.44	16.44	17.7	0.0		
Channel				633000	633333	633999				
Frequency (MHz)				3495	3499.98	3504.99				
90	QPSK	1	1	16.60	16.65	16.46	17.7	0.0		
Channel				633999	633333	633000				
Frequency (MHz)				3499.02	3499.98	3510				
80	QPSK	1	1	16.53	16.63	16.50	17.7	0.0		
Channel				633999	633333	633000				
Frequency (MHz)				3499.02	3499.98	3514.98				
70	QPSK	1	1	16.49	16.61	16.52	17.7	0.0		
Channel				633000	633333	633999				
Frequency (MHz)				3495.01	3499.98	3514.98				
60	QPSK	1	1	16.52	16.62	16.56	17.7	0.0		
Channel				634000	633999	633999				
Frequency (MHz)				3490	3499.98	3519.99				
50	QPSK	1	1	16.58	16.49	16.55	17.7	0.0		
Channel				633999	633333	633000				
Frequency (MHz)				3475.02	3499.98	3525				
40	QPSK	1	1	16.52	16.62	16.57	17.7	0.0		
Channel				633000	633333	633999				
Frequency (MHz)				3470.01	3499.98	3520.98				
30	QPSK	1	1	16.52	16.62	16.57	17.7	0.0		
Channel				631000	633333	633999				
Frequency (MHz)				3465	3499.98	3534.99				
20	QPSK	1	1	16.45	16.67	16.50	17.7	0.0		
Channel				633999	633333	633000				
Frequency (MHz)				3460.02	3499.98	3540				
15	QPSK	1	1	16.50	16.69	16.57	17.7	0.0		
Channel				633000	633333	633168				
Frequency (MHz)				3457.5	3499.98	3542.49				
10	QPSK	1	1	16.50	16.69	16.57	17.7	0.0		
Channel				633334	633333	633332				
Frequency (MHz)				3455.01	3499.98	3544.98				
10	QPSK	1	1	16.48	16.60	16.63	17.7	0.0		
Channel				633000	633333	633999				
Frequency (MHz)				3455	3499.98	3545				



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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	18.16	18.26	18.15	19.7	0.0		
100	Pi2 BPSK	1	137	17.90	17.87	17.97				
100	Pi2 BPSK	1	271	17.81	17.88	17.86				
100	Pi2 BPSK	135	0	18.16	18.17	18.07				
100	Pi2 BPSK	135	69	17.95	18.00	17.93				
100	Pi2 BPSK	135	138	17.78	17.88	17.85				
100	Pi2 BPSK	270	0	18.01	18.05	17.93				
100	QPSK	1	1	18.26	18.31	18.28				
100	QPSK	1	137	17.85	18.00	17.97				
100	QPSK	1	271	17.76	17.87	17.74				
100	QPSK	135	0	18.12	18.12	18.03	19.7	0.0		
100	QPSK	135	69	18.12	18.20	18.11				
100	QPSK	135	138	17.90	18.00	17.89				
100	QPSK	270	0	17.97	18.11	17.95				
100	16QAM	1	1	18.05	18.13	17.99				
100	16QAM	1	1	18.23	18.28	18.13				
100	256QAM	1	1	18.16	18.24	18.11				
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.16	18.15	18.24			Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.16	18.15	18.09	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.16	18.15	18.11	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.21	18.22	18.22	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.16	18.16	18.24	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.09	18.23	18.12	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.07	18.20	18.13	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.05	18.14	18.17	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.11	18.24	18.18	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.16	18.28	18.24	Tune-up limit (dBm)	MPR (dB)		

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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	18.16	18.26	18.15	19.7	0.0		
100	Pi2 BPSK	1	137	17.90	17.87	17.97				
100	Pi2 BPSK	1	271	17.81	17.88	17.86				
100	Pi2 BPSK	135	0	18.16	18.17	18.07				
100	Pi2 BPSK	135	69	17.95	18.00	17.93				
100	Pi2 BPSK	135	138	17.78	17.88	17.85				
100	Pi2 BPSK	270	0	18.01	18.05	17.93				
100	QPSK	1	1	18.26	18.31	18.28				
100	QPSK	1	137	17.85	18.00	17.97				
100	QPSK	1	271	17.76	17.87	17.74				
100	QPSK	135	0	18.12	18.12	18.03	19.7	0.0		
100	QPSK	135	69	18.12	18.20	18.11				
100	QPSK	135	138	17.90	18.00	17.89				
100	QPSK	270	0	17.97	18.11	17.95				
100	16QAM	1	1	18.05	18.13	17.99				
100	16QAM	1	1	18.23	18.28	18.13				
100	256QAM	1	1	18.16	18.24	18.11				
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.16	18.15	18.24			Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.16	18.15	18.09	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.16	18.15	18.11	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.21	18.22	18.22	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.16	18.16	18.24	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.09	18.23	18.12	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.07	18.20	18.13	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.05	18.14	18.17	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.11	18.24	18.18	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.16	18.28	18.24	Tune-up limit (dBm)	MPR (dB)		



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	Pi2 BPSK	1	1	18.80	18.80	18.80	19.7	0.0
100	Pi2 BPSK	1	137	18.85	18.85	18.85		
100	Pi2 BPSK	1	271	18.88	18.88	18.88		
100	Pi2 BPSK	135	0	18.85	18.85	18.85	19.7	0.0
100	Pi2 BPSK	135	69	18.82	18.82	18.82	19.7	0.0
100	Pi2 BPSK	135	138	18.70	18.70	18.70	19.7	0.0
100	Pi2 BPSK	270	0	18.75	18.75	18.75		
100	QPSK	1	1	18.82	18.82	18.82	19.7	0.0
100	QPSK	1	137	18.75	18.75	18.75		
100	QPSK	1	271	18.82	18.82	18.82		
100	QPSK	135	0	18.82	18.82	18.82	19.7	0.0
100	QPSK	135	69	18.88	18.88	18.88	19.7	0.0
100	QPSK	135	138	18.68	18.68	18.68	19.7	0.0
100	QPSK	270	0	18.78	18.78	18.78	19.7	0.0
100	16QAM	1	1	18.70	18.70	18.70	19.7	0.0
100	64QAM	1	1	18.82	18.82	18.82	19.7	0.0
100	256QAM	1	1	18.74	18.74	18.74	19.7	0.0
Channel								
Frequency (MHz)				63300	63332	63666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.84	18.72	18.71	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.98	18.71	18.71	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.98	18.77	18.83	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.77	18.73	18.85	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.98	18.74	18.85	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.78	18.76	18.81	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.90	18.73	18.80	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.88	18.76	18.78	19.7	0.0
Channel								
Frequency (MHz)				63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.84	18.73	18.83	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.80	18.84	18.75	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	Pi2 BPSK	1	1	18.80	18.80	18.80	19.7	0.0
100	Pi2 BPSK	1	137	18.85	18.85	18.85		
100	Pi2 BPSK	1	271	18.88	18.88	18.88		
100	Pi2 BPSK	135	0	18.85	18.85	18.85	19.7	0.0
100	Pi2 BPSK	135	69	18.82	18.82	18.82	19.7	0.0
100	Pi2 BPSK	135	138	18.70	18.70	18.70	19.7	0.0
100	Pi2 BPSK	270	0	18.75	18.75	18.75		
100	QPSK	1	1	18.82	18.82	18.82	19.7	0.0
100	QPSK	1	137	18.75	18.75	18.75		
100	QPSK	1	271	18.82	18.82	18.82		
100	QPSK	135	0	18.82	18.82	18.82	19.7	0.0
100	QPSK	135	69	18.88	18.88	18.88	19.7	0.0
100	QPSK	135	138	18.68	18.68	18.68	19.7	0.0
100	QPSK	270	0	18.78	18.78	18.78	19.7	0.0
100	16QAM	1	1	18.70	18.70	18.70	19.7	0.0
100	64QAM	1	1	18.82	18.82	18.82	19.7	0.0
100	256QAM	1	1	18.74	18.74	18.74	19.7	0.0
Channel								
Frequency (MHz)				63300	63332	63666	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.84	18.72	18.71	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.98	18.71	18.71	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.98	18.77	18.83	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.77	18.73	18.85	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.98	18.74	18.85	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.78	18.76	18.81	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.90	18.73	18.80	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.88	18.76	18.78	19.7	0.0
Channel								
Frequency (MHz)				63050	63332	63616	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.84	18.73	18.83	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.80	18.84	18.75	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.15	18.30	18.16	19.7	0.0
100	QPSK	1	197	17.81	17.89	17.84		
100	QPSK	1	271	17.66	17.77	17.63		
100	QPSK	137	0	18.09	18.08	17.93		
100	QPSK	137	68	18.03	18.19	18.03		
100	QPSK	137	138	17.81	17.97	17.72		
100	QPSK	273	0	17.82	18.04	17.94	19.7	0.0
100	16QAM	1	1	17.97	18.12	17.92	19.7	0.0
100	64QAM	1	1	18.17	18.21	18.08	19.7	0.0
100	256QAM	1	1	18.13	18.23	17.98	19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.22	18.17	18.04	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.18	18.10	18.02	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.22	18.23	18.18	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.20	18.15	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.20	18.23	18.15	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.09	18.18	18.05	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.07	18.17	18.10	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.05	18.20	18.05	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.12	18.20	18.15	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.10	18.19	18.15	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1		18.81		19.7	0.0
100	QPSK	1	197		18.66			
100	QPSK	1	271		18.40			
100	QPSK	137	0		18.75			
100	QPSK	137	68		18.37			
100	QPSK	137	138		18.66			
100	QPSK	273	0		18.78		19.7	0.0
100	16QAM	1	1		18.65		19.7	0.0
100	64QAM	1	1		18.73		19.7	0.0
100	256QAM	1	1		18.59		19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.76	18.67	18.65	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.71	18.68	18.65	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.63	18.77	18.57	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.61	18.64	18.70	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.73	18.75	18.80	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.71	18.63	18.74	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.74	18.64	18.65	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.69	18.68	18.50	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.53	18.72	18.71	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.73	18.80	18.69	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	PV2 BPSK	1	1	16.40				
100	PV2 BPSK	1	137	16.30			17.7	0.0
100	PV2 BPSK	1	271	16.29				
100	PV2 BPSK	135	0	16.36			17.7	0.0
100	PV2 BPSK	135	89	16.51			17.7	0.0
100	PV2 BPSK	135	138	16.27			17.7	0.0
100	PV2 BPSK	270	0	16.09				
100	QPSK	1	1	16.66			17.7	0.0
100	QPSK	1	137	16.47				
100	QPSK	1	271	16.20				
100	QPSK	135	0	16.37				
100	QPSK	135	89	16.52			17.7	0.0
100	QPSK	135	138	16.19				
100	QPSK	270	0	16.48			17.7	0.0
100	16QAM	1	1	16.38			17.7	0.0
100	64QAM	1	1	16.32			17.7	0.0
100	256QAM	1	1	16.25			17.7	0.0
Channel								
Frequency (MHz)				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3742.02	3740	3734.98	(dB)	
90	QPSK	1	1	16.30	16.40	16.30	17.7	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3739.99	(dB)	
80	QPSK	1	1	16.25	16.54	16.23	17.7	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3736	3740	3740	(dB)	
70	QPSK	1	1	16.24	16.42	16.30	17.7	0.0
Channel								
Frequency (MHz)				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3742.02	3740	3739.98	(dB)	
60	QPSK	1	1	16.18	16.57	16.36	17.7	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3742.01	3740	3739.99	(dB)	
50	QPSK	1	1	16.22	16.57	16.33	17.7	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3740	(dB)	
40	QPSK	1	1	16.28	16.48	16.41	17.7	0.0
Channel								
Frequency (MHz)				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3742.01	3740	3739.99	(dB)	
30	QPSK	1	1	16.35	16.54	16.41	17.7	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3739.99	(dB)	
20	QPSK	1	1	16.24	16.48	16.27	17.7	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3736	3740	3740	(dB)	
10	QPSK	1	1	16.22	16.51	16.30	17.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	PV2 BPSK	1	1	16.40				
100	PV2 BPSK	1	137	16.30			17.7	0.0
100	PV2 BPSK	1	271	16.29				
100	PV2 BPSK	135	0	16.36			17.7	0.0
100	PV2 BPSK	135	89	16.51			17.7	0.0
100	PV2 BPSK	135	138	16.27			17.7	0.0
100	PV2 BPSK	270	0	16.09				
100	QPSK	1	1	16.66			17.7	0.0
100	QPSK	1	137	16.47				
100	QPSK	1	271	16.20				
100	QPSK	135	0	16.37				
100	QPSK	135	89	16.52			17.7	0.0
100	QPSK	135	138	16.19				
100	QPSK	270	0	16.48			17.7	0.0
100	16QAM	1	1	16.38			17.7	0.0
100	64QAM	1	1	16.32			17.7	0.0
100	256QAM	1	1	16.25			17.7	0.0
Channel								
Frequency (MHz)				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3742.02	3740	3734.98	(dB)	
90	QPSK	1	1	16.30	16.40	16.30	17.7	0.0
Channel								
Frequency (MHz)				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3739.99	(dB)	
80	QPSK	1	1	16.25	16.54	16.23	17.7	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3736	3740	3740	(dB)	
70	QPSK	1	1	16.24	16.42	16.30	17.7	0.0
Channel								
Frequency (MHz)				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3742.02	3740	3739.98	(dB)	
60	QPSK	1	1	16.18	16.57	16.36	17.7	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3742.01	3740	3739.99	(dB)	
50	QPSK	1	1	16.22	16.57	16.33	17.7	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3740	(dB)	
40	QPSK	1	1	16.28	16.48	16.41	17.7	0.0
Channel								
Frequency (MHz)				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3742.01	3740	3739.99	(dB)	
30	QPSK	1	1	16.35	16.54	16.41	17.7	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3739.99	(dB)	
20	QPSK	1	1	16.24	16.48	16.27	17.7	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3736	3740	3740	(dB)	
10	QPSK	1	1	16.22	16.51	16.30	17.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	Pi/2 BPSK	1	1	16.44	16.44	16.44	17.7	0.0
100	Pi/2 BPSK	1	137	16.41	16.41	16.41		
100	Pi/2 BPSK	1	271	16.19	16.19	16.19		
100	Pi/2 BPSK	135	0	16.38	16.38	16.38	17.7	0.0
100	Pi/2 BPSK	135	89	16.28	16.28	16.28	17.7	0.0
100	Pi/2 BPSK	135	138	16.41	16.41	16.41	17.7	0.0
100	Pi/2 BPSK	270	0	16.23	16.23	16.23		
100	QPSK	1	1	16.61	16.61	16.61	17.7	0.0
100	QPSK	1	137	16.37	16.37	16.37		
100	QPSK	1	271	16.23	16.23	16.23		
100	QPSK	135	0	16.52	16.52	16.52	17.7	0.0
100	QPSK	135	89	16.55	16.55	16.55		
100	QPSK	135	138	16.23	16.23	16.23	17.7	0.0
100	QPSK	270	0	16.19	16.19	16.19	17.7	0.0
100	16QAM	1	1	16.41	16.41	16.41	17.7	0.0
100	64QAM	1	1	16.38	16.38	16.38	17.7	0.0
100	256QAM	1	1	16.63	16.63	16.63	17.7	0.0
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3495	3499.98	3504.99	16.46	16.59
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3481.02	3499.98	3510	16.47	16.59
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3465.01	3499.98	3514.98	16.55	16.59
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3450	3499.98	3518.99	16.39	16.41
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3435.02	3499.98	3522	16.58	16.59
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3420.01	3499.98	3526.98	16.44	16.41
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3405	3499.98	3530.99	16.40	16.43
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3390.02	3499.98	3534.99	16.56	16.44
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3375.01	3499.98	3538.98	16.48	16.53

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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)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	Pi/2 BPSK	1	1	16.44	16.44	16.44	17.7	0.0
100	Pi/2 BPSK	1	137	16.41	16.41	16.41		
100	Pi/2 BPSK	1	271	16.19	16.19	16.19		
100	Pi/2 BPSK	135	0	16.38	16.38	16.38	17.7	0.0
100	Pi/2 BPSK	135	89	16.28	16.28	16.28	17.7	0.0
100	Pi/2 BPSK	135	138	16.41	16.41	16.41	17.7	0.0
100	Pi/2 BPSK	270	0	16.23	16.23	16.23		
100	QPSK	1	1	16.61	16.61	16.61	17.7	0.0
100	QPSK	1	137	16.37	16.37	16.37		
100	QPSK	1	271	16.23	16.23	16.23		
100	QPSK	135	0	16.52	16.52	16.52	17.7	0.0
100	QPSK	135	89	16.55	16.55	16.55		
100	QPSK	135	138	16.23	16.23	16.23	17.7	0.0
100	QPSK	270	0	16.19	16.19	16.19	17.7	0.0
100	16QAM	1	1	16.41	16.41	16.41	17.7	0.0
100	64QAM	1	1	16.38	16.38	16.38	17.7	0.0
100	256QAM	1	1	16.63	16.63	16.63	17.7	0.0
Channel								
Frequency (MHz)				63000	63332	63666	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	3495	3499.98	3504.99	16.46	16.59
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	3481.02	3499.98	3510	16.47	16.59
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dB)	MPR (dB)
70	QPSK	1	1	3465.01	3499.98	3514.98	16.55	16.59
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	3450	3499.98	3518.99	16.39	16.41
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	3435.02	3499.98	3522	16.58	16.59
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	3420.01	3499.98	3526.98	16.44	16.41
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	3405	3499.98	3530.99	16.40	16.43
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	3390.02	3499.98	3534.99	16.56	16.44
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dB)	MPR (dB)
10	QPSK	1	1	3375.01	3499.98	3538.98	16.48	16.53



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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	QPSK	1	1	16.26	16.26	16.26	17.7	0.0		
100	QPSK	1	137	16.21	16.21	16.21				
100	QPSK	1	271	16.27	16.27	16.27				
100	QPSK	137	0	16.42	16.42	16.42				
100	QPSK	137	68	16.50	16.50	16.50	17.7	0.0		
100	QPSK	137	138	16.44	16.44	16.44				
100	QPSK	273	0	16.45	16.45	16.45				
100	16QAM	1	1	16.30	16.30	16.30				
100	64QAM	1	1	16.39	16.39	16.39	17.7	0.0		
100	256QAM	1	1	16.40	16.40	16.40				
Channel										
Frequency (MHz)										
90	QPSK	1	1	16.49	16.40	16.51	17.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	16.45	16.56	16.54				
Channel										
Frequency (MHz)										
70	QPSK	1	1	16.48	16.56	16.52	17.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	16.52	16.47	16.48				
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.45	16.52	16.38	17.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.43	16.54	16.40				
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.40	16.42	16.30	17.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	16.45	16.43	16.44				
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.53	16.47	16.39	17.7	0.0		
Channel										
Frequency (MHz)										
Channel										
Frequency (MHz)										

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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)	MPR (dB)		
Channel										
Frequency (MHz)										
100	QPSK	1	1	16.58	16.58	16.58	17.7	0.0		
100	QPSK	1	137	16.31	16.31	16.31				
100	QPSK	1	271	16.27	16.27	16.27				
100	QPSK	137	0	16.42	16.42	16.42				
100	QPSK	137	68	16.50	16.50	16.50	17.7	0.0		
100	QPSK	137	138	16.44	16.44	16.44				
100	QPSK	273	0	16.45	16.45	16.45				
100	16QAM	1	1	16.30	16.30	16.30				
100	64QAM	1	1	16.39	16.39	16.39	17.7	0.0		
100	256QAM	1	1	16.40	16.40	16.40				
Channel										
Frequency (MHz)										
90	QPSK	1	1	16.39	16.44	16.35	17.7	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	16.37	16.49	16.40				
Channel										
Frequency (MHz)										
70	QPSK	1	1	16.43	16.51	16.45	17.7	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	16.49	16.50	16.44				
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.40	16.35	16.35	17.7	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	16.39	16.35	16.30				
Channel										
Frequency (MHz)										
30	QPSK	1	1	16.44	16.32	16.30	17.7	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	16.37	16.42	16.42				
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.48	16.49	16.52	17.7	0.0		
Channel										
Frequency (MHz)										
Channel										
Frequency (MHz)										



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	18.18	18.18	18.18	19.7	0.0
100	PV2 BPSK	1	137	18.17	18.17	18.17		
100	PV2 BPSK	1	271	18.16	18.16	18.16		
100	PV2 BPSK	135	0	18.09	18.09	18.09		
100	PV2 BPSK	135	69	18.04	18.04	18.04		
100	PV2 BPSK	135	138	18.13	18.13	18.13		
100	PV2 BPSK	270	0	18.12	18.12	18.12		
100	QPSK	1	1	18.20	18.20	18.20		
100	QPSK	1	137	18.15	18.15	18.15		
100	QPSK	1	271	18.03	18.03	18.03		
100	QPSK	135	0	18.13	18.13	18.13		
100	QPSK	135	69	18.15	18.15	18.15		
100	QPSK	135	138	18.06	18.06	18.06		
100	QPSK	270	0	18.08	18.08	18.08		
100	16QAM	1	1	18.17	18.17	18.17		
100	64QAM	1	1	18.16	18.16	18.16		
100	256QAM	1	1	18.06	18.06	18.06		
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
				3745.02	3745.02	3745.02	(dBm)	(dB)
				18.08	18.02	18.12	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit	MPR
				3740.01	3740.01	3739.99	(dBm)	(dB)
				18.07	18.07	18.02	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit	MPR
				3735.00	3735.00	3735.00	(dBm)	(dB)
				18.13	18.02	18.15	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651332	Tune-up limit	MPR
				3730.02	3730.02	3729.98	(dBm)	(dB)
				18.08	18.04	18.04	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651666	Tune-up limit	MPR
				3725.01	3725.01	3724.99	(dBm)	(dB)
				17.99	18.10	18.10	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit	MPR
				3720.00	3720.00	3720.00	(dBm)	(dB)
				18.03	18.10	18.03	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652332	Tune-up limit	MPR
				3715.02	3715.02	3714.98	(dBm)	(dB)
				18.08	18.05	18.05	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652666	Tune-up limit	MPR
				3710.01	3710.01	3709.99	(dBm)	(dB)
				18.07	17.98	18.13	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit	MPR
				3705.00	3705.00	3705.00	(dBm)	(dB)
				18.13	18.07	18.05	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	18.18	18.18	18.18	19.7	0.0
100	PV2 BPSK	1	137	18.17	18.17	18.17		
100	PV2 BPSK	1	271	18.16	18.16	18.16		
100	PV2 BPSK	135	0	18.09	18.09	18.09		
100	PV2 BPSK	135	69	18.04	18.04	18.04		
100	PV2 BPSK	135	138	18.13	18.13	18.13		
100	PV2 BPSK	270	0	18.12	18.12	18.12		
100	QPSK	1	1	18.20	18.20	18.20		
100	QPSK	1	137	18.15	18.15	18.15		
100	QPSK	1	271	18.03	18.03	18.03		
100	QPSK	135	0	18.13	18.13	18.13		
100	QPSK	135	69	18.15	18.15	18.15		
100	QPSK	135	138	18.06	18.06	18.06		
100	QPSK	270	0	18.08	18.08	18.08		
100	16QAM	1	1	18.17	18.17	18.17		
100	64QAM	1	1	18.16	18.16	18.16		
100	256QAM	1	1	18.06	18.06	18.06		
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
				3745.02	3745.02	3745.02	(dBm)	(dB)
				18.08	18.02	18.12	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit	MPR
				3740.01	3740.01	3739.99	(dBm)	(dB)
				18.07	18.07	18.02	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	651000	Tune-up limit	MPR
				3735.00	3735.00	3735.00	(dBm)	(dB)
				18.13	18.02	18.15	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	648668	650000	651332	Tune-up limit	MPR
				3730.02	3730.02	3729.98	(dBm)	(dB)
				18.08	18.04	18.04	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	651666	Tune-up limit	MPR
				3725.01	3725.01	3724.99	(dBm)	(dB)
				18.00	17.99	18.10	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	652000	Tune-up limit	MPR
				3720.00	3720.00	3720.00	(dBm)	(dB)
				18.03	18.10	18.03	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652332	Tune-up limit	MPR
				3715.02	3715.02	3714.98	(dBm)	(dB)
				18.08	18.05	18.05	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652666	Tune-up limit	MPR
				3710.01	3710.01	3709.99	(dBm)	(dB)
				18.07	17.98	18.13	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit	MPR
				3705.00	3705.00	3705.00	(dBm)	(dB)
				18.13	18.07	18.05	19.7	0.0



Par27Q n78_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	18.45	18.45	18.45		
100	PV2 BPSK	1	137	18.24	18.24	18.24	19.7	0.0
100	PV2 BPSK	1	271	18.37	18.37	18.37		
100	PV2 BPSK	135	0	18.28	18.28	18.28	19.7	0.0
100	PV2 BPSK	135	69	18.29	18.29	18.29	19.7	0.0
100	PV2 BPSK	135	138	18.37	18.37	18.37	19.7	0.0
100	PV2 BPSK	270	0	18.31	18.31	18.31		
100	QPSK	1	1	18.21	18.21	18.21		
100	QPSK	1	137	18.28	18.28	18.28	19.7	0.0
100	QPSK	1	271	18.38	18.38	18.38		
100	QPSK	135	0	18.34	18.34	18.34		
100	QPSK	135	69	18.42	18.42	18.42	19.7	0.0
100	QPSK	135	138	18.38	18.38	18.38		
100	QPSK	270	0	18.35	18.35	18.35	19.7	0.0
100	16QAM	1	1	18.20	18.20	18.20	19.7	0.0
100	16QAM	1	1	18.42	18.42	18.42	19.7	0.0
100	256QAM	1	1	18.19	18.19	18.19	19.7	0.0
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.31	18.31	18.31	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.44	18.44	18.44	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.33	18.33	18.33	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.37	18.37	18.37	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.37	18.41	18.41	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.42	18.33	18.29	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.39	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.36	18.42	18.40	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.38	18.33	18.39	19.7	0.0

Par27Q n78 HPUE_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63332	63332	63332		
100	PV2 BPSK	1	1	18.45	18.45	18.45		
100	PV2 BPSK	1	137	18.24	18.24	18.24	19.7	0.0
100	PV2 BPSK	1	271	18.37	18.37	18.37		
100	PV2 BPSK	135	0	18.28	18.28	18.28	19.7	0.0
100	PV2 BPSK	135	69	18.29	18.29	18.29	19.7	0.0
100	PV2 BPSK	135	138	18.37	18.37	18.37	19.7	0.0
100	PV2 BPSK	270	0	18.31	18.31	18.31		
100	QPSK	1	1	18.21	18.21	18.21		
100	QPSK	1	137	18.28	18.28	18.28	19.7	0.0
100	QPSK	1	271	18.38	18.38	18.38		
100	QPSK	135	0	18.34	18.34	18.34		
100	QPSK	135	69	18.42	18.42	18.42	19.7	0.0
100	QPSK	135	138	18.38	18.38	18.38		
100	QPSK	270	0	18.35	18.35	18.35	19.7	0.0
100	16QAM	1	1	18.20	18.20	18.20	19.7	0.0
100	16QAM	1	1	18.42	18.42	18.42	19.7	0.0
100	256QAM	1	1	18.19	18.19	18.19	19.7	0.0
Channel								
Frequency (MHz)				63300	63332	63366	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.31	18.31	18.31	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.44	18.44	18.44	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.33	18.33	18.33	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.37	18.37	18.37	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.37	18.41	18.41	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.42	18.33	18.29	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.39	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.36	18.42	18.40	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.38	18.33	18.39	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.00	18.18	18.36	19.7	0.0
100	QPSK	1	197	17.58	17.76	17.94	19.7	0.0
100	QPSK	1	271	17.58	17.76	17.94	19.7	0.0
100	QPSK	137	0	18.12	18.30	18.48	19.7	0.0
100	QPSK	137	68	18.15	18.33	18.51	19.7	0.0
100	QPSK	137	138	17.55	17.73	17.91	19.7	0.0
100	QPSK	273	0	18.00	18.18	18.36	19.7	0.0
100	16QAM	1	1	18.13	18.31	18.49	19.7	0.0
100	64QAM	1	1	17.59	17.77	17.95	19.7	0.0
100	256QAM	1	1	18.03	18.21	18.39	19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649968	650000	650032	19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.01	18.09	18.17	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	650000	650000	650000	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.15	18.07	18.03	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.09	18.13	18.13	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	650000	650000	650000	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3774.99	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.00	18.07	17.97	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.07	17.99	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	647688	650000	652312	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3716.02	3750.00	3784.98	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.15	18.00	18.04	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647334	650000	652666	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3789.99	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.14	18.01	17.95	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.08	18.15	18.13	19.7	0.0

Par27Q n78_FCC_ANT 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.45	18.14	18.22	19.7	0.0
100	QPSK	1	197	18.22	18.30	18.38	19.7	0.0
100	QPSK	1	271	18.22	18.30	18.38	19.7	0.0
100	QPSK	137	0	18.25	18.33	18.41	19.7	0.0
100	QPSK	137	68	18.32	18.40	18.48	19.7	0.0
100	QPSK	137	138	18.20	18.28	18.36	19.7	0.0
100	QPSK	273	0	18.18	18.26	18.34	19.7	0.0
100	16QAM	1	1	18.18	18.26	18.34	19.7	0.0
100	64QAM	1	1	18.37	18.45	18.53	19.7	0.0
100	256QAM	1	1	18.02	18.10	18.18	19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633666	19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3495.98	3504.99	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.27	18.34	18.25	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633332	633332	633332	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	3485.01	3499.98	3514.98	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.34	18.40	18.24	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.37	18.35	18.25	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633332	633332	633332	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3475.02	3499.98	3525	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.40	18.30	18.35	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3470.01	3499.98	3529.98	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.30	18.28	18.15	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3499.98	3534.99	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.25	18.24	18.31	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	633668	633332	633000	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3499.98	3540	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.39	18.27	18.20	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.31	18.01	18.23	19.7	0.0



Reduced Power Mode for DSI2&7&12

GSM600_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	188		251	128	188		251
Frequency (MHz)	824.2	838.4	848.6		824.2	838.4	848.6		
GSM 1 Tx slot	33.30	33.33	33.29	34.00	24.30	24.33	24.29	25.00	
GPRS/EDGE(GMSK) 1 Tx slot	33.24	33.22	33.20	34.00	24.24	24.22	24.20	25.00	
GPRS/EDGE(GMSK) 2 Tx slots	29.80	29.85	29.77	31.00	23.80	23.85	23.77	25.00	
GPRS/EDGE(GMSK) 8 Tx slots	27.86	28.00	27.90	29.20	23.60	23.74	23.64	24.94	
GPRS/EDGE(GMSK) 4 Tx slots	28.89	27.00	26.92	28.50	23.89	23.00	23.92	25.00	
EDGE 1 Tx slot	28.71	28.58	28.57	29.00	17.71	17.55	17.57	19.00	
EDGE 2 Tx slots	23.72	23.51	23.79	25.00	17.72	17.51	17.79	19.00	
EDGE 3 Tx slots	21.58	21.70	21.77	23.20	17.57	17.44	17.51	18.94	
EDGE 4 Tx slots	20.91	20.80	20.74	22.50	17.81	17.80	17.74	19.50	
DTM Multi-slot class 5	GSM 1 Tx slot	29.70	29.84	29.72	31.00	23.64	23.77	23.66	24.98
DTM Multi-slot class 8	GPRS 1 Tx slot	29.82	29.82	29.62	31.00	23.76	23.76	23.68	24.98
DTM Multi-slot class 11	GPRS 2 Tx slots	29.74	29.75	29.77	31.00				
DTM Multi-slot class 5	GSM 1 Tx slot	27.85	28.84	27.87	29.20	23.70	23.81	23.68	24.94
DTM Multi-slot class 8	GPRS 2 Tx slots	27.98	28.09	27.92	29.20				
DTM Multi-slot class 11	GSM 1 Tx slot	28.89	28.87	28.76	31.00	21.73	21.68	21.69	22.84
DTM Multi-slot class 5	EDGE 1 Tx slot	23.38	23.15	23.55	25.00				
DTM Multi-slot class 8	GSM 1 Tx slot	29.83	29.79	29.74	31.00	21.68	21.63	21.64	22.84
DTM Multi-slot class 11	EDGE 1 Tx slot	23.38	23.29	23.53	25.00				
DTM Multi-slot class 5	GSM 1 Tx slot	27.87	28.05	28.00	29.20	20.52	20.58	20.57	21.94
DTM Multi-slot class 11	EDGE 2 Tx slots	21.60	21.40	21.49	23.20				

<WCDMA State1>

Semi	WCDMA V_Ant 1			Tune-up Limit (dBm)	
	Tx Channel	4132	4182		4233
Rx Channel	4327	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.02	24.00	23.99	24.80
3GPP Rel 99	RM-C 12.2Kbps	24.03	24.10	24.06	24.80
3GPP Rel 8	HSDPA Subtest-1	23.28	23.18	23.11	23.80
3GPP Rel 6	HSDPA Subtest-2	23.28	23.15	23.14	23.80
3GPP Rel 6	HSDPA Subtest-3	22.78	22.70	22.61	23.30
3GPP Rel 8	HSDPA Subtest-4	22.78	22.71	22.59	23.30
3GPP Rel 8	DCHSDPA Subtest-1	23.25	23.20	23.10	23.80
3GPP Rel 8	DCHSDPA Subtest-2	23.15	23.07	23.13	23.80
3GPP Rel 8	DCHSDPA Subtest-3	22.75	22.77	22.69	23.30
3GPP Rel 8	DCHSDPA Subtest-4	22.63	22.60	22.53	23.30
3GPP Rel 6	HSUPA Subtest-1	23.21	23.20	23.15	23.80
3GPP Rel 6	HSUPA Subtest-2	21.21	21.18	21.09	21.80
3GPP Rel 6	HSUPA Subtest-3	22.20	22.23	22.12	22.80
3GPP Rel 8	HSUPA Subtest-4	21.22	21.19	21.11	21.80
3GPP Rel 6	HSUPA Subtest-5	23.30	23.20	23.10	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.52	21.50	21.55	21.80



Band 13_Ant 1

Band (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.90	23.90	23.90	24.8	0
10	QPSK	1	25	23.89	23.89	23.89		
10	QPSK	1	49	23.89	23.89	23.89		
10	QPSK	25	0	22.99	22.99	22.99	23.8	1
10	QPSK	25	12	22.97	22.97	22.97		
10	QPSK	25	25	22.90	22.90	22.90		
10	QPSK	50	0	22.95	22.95	22.95	22.8	2
10	16QAM	1	0	23.20	23.20	23.20		
10	16QAM	1	25	23.22	23.22	23.22		
10	16QAM	1	49	23.24	23.24	23.24	22.8	2
10	16QAM	25	0	22.00	22.00	22.00		
10	16QAM	25	12	21.99	21.99	21.99		
10	16QAM	25	25	21.98	21.98	21.98	22.8	2
10	16QAM	50	0	21.97	21.97	21.97		
10	16QAM	1	0	22.15	22.15	22.15		
10	64QAM	1	25	22.21	22.21	22.21	22.8	2
10	64QAM	1	49	22.14	22.14	22.14		
10	64QAM	25	0	21.01	21.01	21.01		
10	64QAM	25	12	20.98	20.98	20.98	21.8	3
10	64QAM	25	25	20.91	20.91	20.91		
10	64QAM	50	0	20.92	20.92	20.92		
10	256QAM	1	0	18.08	18.08	18.08	19.8	5
10	256QAM	1	25	18.02	18.02	18.02		
10	256QAM	1	49	18.00	18.00	18.00		
10	256QAM	25	12	18.85	18.85	18.85	19.8	5
10	256QAM	25	25	18.85	18.85	18.85		
10	256QAM	50	0	18.84	18.84	18.84		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.80	23.84	23.76	24.8	0
5	QPSK	1	12	23.88	23.91	23.83		
5	QPSK	1	24	23.85	23.81	23.88		
5	QPSK	12	0	22.82	22.81	22.86	23.8	1
5	QPSK	12	7	22.05	22.85	22.08		
5	QPSK	12	13	22.80	22.80	22.84		
5	QPSK	25	0	22.82	22.84	22.83	23.8	1
5	16QAM	1	0	23.20	23.08	23.22		
5	16QAM	1	12	23.30	23.25	23.27		
5	16QAM	1	24	23.22	23.14	23.06	22.8	2
5	16QAM	12	0	21.85	21.85	21.90		
5	16QAM	12	7	21.88	21.88	21.96		
5	16QAM	12	13	21.94	21.87	21.93	22.8	2
5	16QAM	25	0	21.94	21.85	21.85		
5	16QAM	1	0	22.09	22.18	22.08		
5	64QAM	1	12	22.19	22.18	22.02	21.8	3
5	64QAM	1	24	22.17	22.08	22.06		
5	64QAM	12	0	20.86	20.89	20.91		
5	64QAM	12	7	20.96	20.87	20.92	19.8	5
5	64QAM	12	13	20.99	20.84	20.93		
5	64QAM	25	0	20.95	20.85	20.84		
5	256QAM	0	0	18.99	18.99	18.99	19.8	5
5	256QAM	1	12	18.00	18.00	18.87		
5	256QAM	1	24	18.85	18.86	18.86		
5	256QAM	12	0	18.81	18.84	18.81	19.8	5
5	256QAM	12	7	18.84	18.89	18.84		
5	256QAM	12	13	18.74	18.82	18.83		
5	256QAM	25	0	18.75	18.89	18.80	19.8	5
5	256QAM	1	12	18.85	18.85	18.85		
5	256QAM	1	24	18.85	18.86	18.86		

Band 17_Ant 1

Band (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.82	22.99	22.89	24.8	0		
10	QPSK	1	25	23.80	23.82	23.76				
10	QPSK	1	49	23.77	23.92	23.75				
10	QPSK	25	0	22.86	22.98	22.87	23.8	1		
10	QPSK	25	12	22.81	22.95	22.85				
10	QPSK	25	25	22.86	22.89	22.80				
10	QPSK	50	0	22.83	22.87	22.84	23.8	1		
10	16QAM	1	0	23.26	23.20	23.20				
10	16QAM	1	25	23.25	23.11	23.30				
10	16QAM	1	49	23.27	23.28	23.23	22.8	2		
10	16QAM	25	0	21.88	21.89	21.92				
10	16QAM	25	12	22.03	21.98	21.97				
10	16QAM	25	25	22.03	22.04	22.05	22.8	2		
10	16QAM	50	0	21.99	21.95	21.98				
10	64QAM	1	0	22.34	22.07	22.32				
10	64QAM	1	25	22.09	22.10	22.27	22.8	2		
10	64QAM	1	49	22.14	22.27	22.27				
10	64QAM	25	0	20.87	20.88	21.00				
10	64QAM	25	12	21.05	20.93	20.96	21.8	3		
10	64QAM	25	25	20.99	21.01	21.02				
10	64QAM	50	0	20.98	20.92	20.94				
10	256QAM	1	0	18.89	18.95	18.86	19.8	5		
10	256QAM	1	25	18.89	18.92	18.87				
10	256QAM	1	49	18.87	18.88	18.72				
10	256QAM	25	0	18.84	18.84	18.71	19.8	5		
10	256QAM	25	12	18.86	18.00	18.89				
10	256QAM	25	25	18.76	18.93	18.74				
10	256QAM	50	0	18.75	18.87	18.80	19.8	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.73	23.82	23.75	24.8	0		
5	QPSK	1	12	23.85	23.88	23.85				
5	QPSK	1	24	23.79	23.78	23.81				
5	QPSK	12	0	22.78	22.77	22.80	23.8	1		
5	QPSK	12	7	22.88	22.81	22.91				
5	QPSK	12	13	22.85	22.88	22.91				
5	QPSK	25	0	22.84	22.78	22.80	23.8	1		
5	16QAM	1	0	23.21	23.15	23.09				
5	16QAM	1	12	23.27	23.27	23.30				
5	16QAM	1	24	23.13	23.02	23.09	22.8	2		
5	16QAM	12	0	21.82	21.84	21.83				
5	16QAM	12	7	21.92	21.90	21.99				
5	16QAM	12	13	21.95	21.96	21.98	22.8	2		
5	16QAM	25	0	21.86	21.83	21.83				
5	16QAM	1	0	21.94	21.92	22.08				
5	64QAM	1	12	22.02	22.07	22.19	21.8	3		
5	64QAM	1	24	22.05	22.05	22.02				
5	64QAM	12	0	20.77	20.81	20.90				
5	64QAM	12	7	20.94	20.95	20.92	19.8	5		
5	64QAM	12	13	20.93	20.87	20.92				
5	64QAM	25	0	20.84	20.81	20.86				
5	256QAM	0	0	18.85	18.82	18.87	19.8	5		
5	256QAM	1	12	18.81	18.82	18.85				
5	256QAM	1	24	18.70	18.80	18.72				
5	256QAM	12	0	18.85	18.85	18.85	19.8	5		
5	256QAM	12	7	18.81	18.83	18.85				
5	256QAM	12	13	18.87	18.81	18.87				
5	256QAM	25	0	18.84	18.80	18.77	19.8	5		
5	256QAM	1	12	18.85	18.85	18.85				
5	256QAM	1	24	18.85	18.85	18.85				



n5 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				834	836.5	839		
20	P12 BPSK	1	1	23.08	23.08	23.93		
20	P12 BPSK	1	53	23.77	23.95	23.93	25.2	0.0
20	P12 BPSK	1	104	23.90	23.92	23.86		
20	P12 BPSK	50	0	23.70	23.77	23.71	24.7	0.5
20	P12 BPSK	50	26	23.83	23.97	23.90	25.2	0.0
20	P12 BPSK	50	56	23.40	23.40	23.34		
20	P12 BPSK	100	0	23.38	23.50	23.31	24.7	0.5
20	QPSK	1	1	23.91	24.00	23.87		
20	QPSK	1	53	23.74	23.90	23.81	25.2	0.0
20	QPSK	1	104	23.89	23.98	23.78		
20	QPSK	50	0	23.45	23.50	23.49	24.2	1.0
20	QPSK	50	26	23.90	23.95	23.88	25.2	0.0
20	QPSK	50	56	23.38	23.39	23.52	24.3	1.0
20	QPSK	100	0	23.50	23.58	23.52	24.4	1.0
20	16QAM	1	1	23.58	23.66	23.69	24.3	1.0
20	16QAM	1	1	23.05	22.00	22.05	22.7	2.5
20	256QAM	1	1	20.11	20.12	20.11	20.7	4.5
Channel								
Frequency (MHz)				833.0	833.0	833.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.95	23.98	23.93	25.2	0.0
Channel								
Frequency (MHz)				833.0	833.0	833.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				833	836.5	844		
10	QPSK	1	1	23.87	23.98	23.93	25.2	0.0
Channel								
Frequency (MHz)				836.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	23.98	23.94	23.81	25.2	0.0

n71 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				673	680.5	688		
20	P12 BPSK	1	1	23.30	23.38	23.26		
20	P12 BPSK	1	53	23.22	23.30	23.33	25.2	0.0
20	P12 BPSK	1	104	23.23	23.26	23.23		
20	P12 BPSK	50	0	23.17	23.20	23.28	24.7	0.5
20	P12 BPSK	50	26	23.30	23.33	23.23	25.2	0.0
20	P12 BPSK	50	56	22.99	23.10	23.01		
20	P12 BPSK	100	0	23.12	23.15	23.01	24.7	0.5
20	QPSK	1	1	24.26	24.32	24.19		
20	QPSK	1	53	24.08	24.35	24.17	25.2	0.0
20	QPSK	1	104	24.12	24.20	24.17		
20	QPSK	50	0	23.35	23.52	23.38	24.2	1.0
20	QPSK	50	26	24.28	24.30	24.18	25.2	0.0
20	QPSK	50	56	23.32	23.40	23.37	24.3	1.0
20	QPSK	100	0	23.29	23.43	23.30	24.4	1.0
20	16QAM	1	1	23.43	23.60	23.44	24.3	1.0
20	16QAM	1	1	21.82	22.00	21.90	22.7	2.5
20	256QAM	1	1	20.01	20.01	19.83	20.7	4.5
Channel								
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.20	24.19	24.19	25.2	0.0
Channel								
Frequency (MHz)				673.0	683.0	693.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	24.18	24.13	24.13	25.2	0.0
Channel								
Frequency (MHz)				665.5	680.5	695.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.16	24.24	24.19	25.2	0.0



Reduced Power Mode for DSI5

CGSM Power State1

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include GSM1900_Ant 0, GSM1900_Ant 1, GSM1900_Ant 4, and GSM1900_Ant 5.

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include GSM1900_Ant 1, GSM1900_Ant 4, and GSM1900_Ant 5.

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include GSM1900_Ant 4, GSM1900_Ant 5, and GSM1900_Ant 11.

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include GSM1900_Ant 1, GSM1900_Ant 4, and GSM1900_Ant 5.

WCMDMA State1

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include WCDMA II_Ant 4, WCDMA IV_Ant 4, WCDMA IV_Ant 5, and WCDMA V_Ant 0.

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include WCDMA IV_Ant 5, WCDMA V_Ant 0, WCDMA V_Ant 1, and WCDMA V_Ant 2.

WCMDMA State1

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include WCDMA V_Ant 0, WCDMA V_Ant 1, WCDMA V_Ant 2, and WCDMA V_Ant 3.

Table with columns: Band, TX Channel, Frequency (MHz), Burst Average Power (dBm), Frame-Average Power (dBm), and Tune-up Limit. Rows include WCDMA V_Ant 1, WCDMA V_Ant 2, WCDMA V_Ant 3, and WCDMA V_Ant 4.



Band 4_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency listings for Band 4_Ant 6.

Band 4_Ant 7

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency listings for Band 4_Ant 7.



Band 13_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23200				
Frequency (MHz)				720.5	760	784.5		
10	QPSK	1	0	23.76	23.76	23.76	24.3	0
10	QPSK	1	25	23.70	23.70	23.70		
10	QPSK	1	49	23.53	23.53	23.53		
10	QPSK	25	0	22.80	22.80	22.80	23.3	1
10	QPSK	25	12	22.78	22.78	22.78		
10	QPSK	25	25	22.78	22.78	22.78		
10	16QAM	1	0	23.18	23.18	23.18	23.3	1
10	16QAM	1	49	23.06	23.06	23.06		
10	16QAM	25	0	21.79	21.79	21.79		
10	16QAM	25	12	21.81	21.81	21.81	22.3	2
10	16QAM	25	25	21.75	21.75	21.75		
10	16QAM	50	0	21.75	21.75	21.75		
10	64QAM	1	25	21.97	21.97	21.97	22.3	2
10	64QAM	1	49	22.06	22.06	22.06		
10	64QAM	25	0	20.80	20.80	20.80		
10	64QAM	25	12	20.82	20.82	20.82	21.3	3
10	64QAM	25	25	20.74	20.74	20.74		
10	64QAM	50	0	20.76	20.76	20.76		
10	256QAM	1	0	18.80	18.80	18.80	19.3	5
10	256QAM	1	25	18.77	18.77	18.77		
10	256QAM	1	49	18.75	18.75	18.75		
10	256QAM	25	0	18.70	18.70	18.70	19.3	5
10	256QAM	25	12	18.79	18.79	18.79		
10	256QAM	25	25	18.82	18.82	18.82		
10	256QAM	50	0	18.75	18.75	18.75		
Channel				23205				
Frequency (MHz)				720.5	760	784.5		
5	QPSK	1	0	23.74	23.73	23.70	24.3	0
5	QPSK	1	12	23.76	23.72	23.74		
5	QPSK	1	24	23.73	23.74	23.62		
5	QPSK	12	0	22.78	22.74	22.76	23.3	1
5	QPSK	12	7	22.86	22.73	22.78		
5	QPSK	12	13	22.82	22.72	22.75		
5	QPSK	25	0	22.84	22.73	22.76	23.3	1
5	16QAM	1	0	23.03	23.10	23.12		
5	16QAM	1	12	23.20	23.29	23.17		
5	16QAM	1	24	23.15	23.11	23.15	23.3	1
5	16QAM	12	0	21.78	21.83	21.81		
5	16QAM	12	7	21.97	21.79	21.84		
5	16QAM	12	13	21.88	21.80	21.84	22.3	2
5	16QAM	25	0	21.94	21.75	21.79		
5	16QAM	25	12	21.95	22.10	22.04		
5	64QAM	1	12	22.07	22.19	21.93	22.3	2
5	64QAM	1	24	22.08	22.15	22.02		
5	64QAM	12	0	20.84	20.79	20.81		
5	64QAM	12	7	20.94	20.81	20.82	21.3	3
5	64QAM	12	13	20.90	20.79	20.79		
5	64QAM	25	0	20.83	20.76	20.80		
5	256QAM	1	0	18.61	18.73	18.79	19.3	5
5	256QAM	1	12	18.58	18.58	18.65		
5	256QAM	1	24	18.75	18.75	18.69		
5	256QAM	12	0	18.68	18.65	18.64	19.3	5
5	256QAM	12	7	18.63	18.68	18.65		
5	256QAM	12	13	18.64	18.70	18.68		
5	256QAM	25	0	18.67	18.71	18.63		

Band 13_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23200				
Frequency (MHz)				720.5	760	784.5		
10	QPSK	1	0	23.55	23.55	23.55	24.8	0
10	QPSK	1	25	23.50	23.50	23.50		
10	QPSK	1	49	23.89	23.89	23.89		
10	QPSK	25	0	22.99	22.99	22.99	23.8	1
10	QPSK	25	12	22.97	22.97	22.97		
10	QPSK	25	25	22.90	22.90	22.90		
10	16QAM	1	0	23.20	23.20	23.20	23.8	1
10	16QAM	1	49	23.24	23.24	23.24		
10	16QAM	25	0	22.00	22.00	22.00		
10	16QAM	25	12	21.98	21.98	21.98	22.8	2
10	16QAM	25	25	21.99	21.99	21.99		
10	16QAM	50	0	21.97	21.97	21.97		
10	64QAM	1	25	22.21	22.21	22.21	22.8	2
10	64QAM	1	49	22.14	22.14	22.14		
10	64QAM	25	0	21.01	21.01	21.01		
10	64QAM	25	12	20.98	20.98	20.98	21.8	3
10	64QAM	25	25	20.91	20.91	20.91		
10	64QAM	50	0	20.95	20.95	20.95		
10	256QAM	1	0	19.06	19.06	19.06	19.8	5
10	256QAM	1	25	19.02	19.02	19.02		
10	256QAM	1	49	19.03	19.03	19.03		
10	256QAM	25	0	18.95	18.95	18.95	19.8	5
10	256QAM	25	12	19.00	19.00	19.00		
10	256QAM	25	25	18.88	18.88	18.88		
10	256QAM	50	0	18.84	18.84	18.84		
Channel				23205				
Frequency (MHz)				720.5	760	784.5		
5	QPSK	1	0	23.80	23.84	23.76	24.8	0
5	QPSK	1	12	23.88	23.91	23.83		
5	QPSK	1	24	23.85	23.81	23.88		
5	QPSK	12	0	22.82	22.81	22.88	23.8	1
5	QPSK	12	7	22.95	22.85	22.88		
5	QPSK	12	13	22.90	22.80	22.84		
5	QPSK	25	0	22.92	22.82	22.83	23.8	1
5	16QAM	1	0	23.20	23.08	23.22		
5	16QAM	1	12	23.30	23.25	23.27		
5	16QAM	1	24	23.22	23.14	23.08	23.8	1
5	16QAM	12	0	21.85	21.86	21.90		
5	16QAM	12	7	21.98	21.88	21.96		
5	16QAM	12	13	21.99	21.87	21.93	22.8	2
5	16QAM	25	0	21.94	21.85	21.85		
5	16QAM	25	12	22.09	22.18	22.08		
5	64QAM	1	12	22.19	22.16	22.02	22.8	2
5	64QAM	1	24	22.17	22.08	22.06		
5	64QAM	12	0	20.96	20.98	20.91		
5	64QAM	12	7	20.96	20.87	20.92	21.8	3
5	64QAM	12	13	20.99	20.84	20.93		
5	64QAM	25	0	20.95	20.85	20.85		
5	256QAM	1	0	18.99	19.01	18.99	19.8	5
5	256QAM	1	12	19.00	18.97	18.97		
5	256QAM	1	24	18.95	18.99	18.96		
5	256QAM	12	0	18.81	18.84	18.81	19.8	5
5	256QAM	12	7	18.94	18.89	18.94		
5	256QAM	12	13	18.74	18.82	18.83		
5	256QAM	25	0	18.75	18.89	18.80		



Band 17_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				710	710	711		
10	QPSK	1	0	23.63	23.75	23.85	24.3	0
10	QPSK	1	25	23.60	23.75	23.81		
10	QPSK	1	49	23.55	23.70	23.88		
10	QPSK	25	0	22.78	22.82	22.76	23.3	1
10	QPSK	25	12	22.73	22.78	22.73		
10	QPSK	25	25	22.73	22.80	22.71		
10	QPSK	50	0	22.78	22.80	22.75	23.3	1
10	16QAM	1	0	23.09	23.07	23.06		
10	16QAM	1	49	23.29	23.26	23.26		
10	16QAM	25	0	21.73	21.75	21.75	22.3	2
10	16QAM	25	12	21.86	21.81	21.81		
10	16QAM	25	25	21.84	21.84	21.85		
10	16QAM	50	0	21.79	21.75	21.78	22.3	2
10	64QAM	1	0	21.81	21.88	21.91		
10	64QAM	1	25	21.95	22.13	22.08		
10	64QAM	1	49	22.03	22.03	21.95	21.3	3
10	64QAM	25	0	20.71	20.71	20.72		
10	64QAM	25	12	20.81	20.77	20.79		
10	64QAM	25	25	20.77	20.83	20.85	19.3	5
10	64QAM	50	0	20.81	20.72	20.73		
10	256QAM	1	0	18.71	18.75	18.70		
10	256QAM	1	25	18.54	18.72	18.61	19.3	5
10	256QAM	1	49	18.74	18.77	18.73		
10	256QAM	25	0	18.52	18.70	18.60		
10	256QAM	25	12	18.63	18.79	18.71	19.3	5
10	256QAM	25	25	18.80	18.80	18.79		
10	256QAM	50	0	18.66	18.74	18.61		
Channel				23785	23790	23825	Tune-up limit	MPR
Frequency (MHz)				709.5	710	713.5	(dBm)	(dB)
5	QPSK	1	0	23.69	23.66	23.67	24.3	0
5	QPSK	1	12	23.72	23.69	23.71		
5	QPSK	1	24	23.69	23.69	23.64		
5	QPSK	12	0	22.88	22.70	22.71	23.3	1
5	QPSK	12	7	22.80	22.73	22.83		
5	QPSK	12	13	22.76	22.79	22.81		
5	QPSK	25	0	22.76	22.69	22.72	23.3	1
5	16QAM	1	0	23.11	23.10	23.00		
5	16QAM	1	12	23.19	23.20	23.21		
5	16QAM	1	24	22.99	23.11	23.16	22.3	2
5	16QAM	12	0	21.72	21.73	21.73		
5	16QAM	12	7	21.83	21.79	21.89		
5	16QAM	12	13	21.80	21.86	21.84	22.3	2
5	16QAM	25	0	21.77	21.72	21.77		
5	16QAM	25	1	22.07	21.98	21.99		
5	64QAM	1	0	22.04	21.99	22.04	22.3	2
5	64QAM	1	24	22.07	21.94	21.94		
5	64QAM	12	0	20.96	20.74	20.95		
5	64QAM	12	7	20.80	20.79	20.88	21.3	3
5	64QAM	12	13	20.76	20.82	20.83		
5	64QAM	25	0	20.77	20.72	20.70		
5	256QAM	1	0	18.55	18.59	18.70	19.3	5
5	256QAM	1	12	18.36	18.64	18.45		
5	256QAM	1	24	18.58	18.61	18.69		
5	256QAM	12	0	18.45	18.59	18.59	19.3	5
5	256QAM	12	7	18.50	18.69	18.58		
5	256QAM	12	13	18.66	18.74	18.61		
5	256QAM	25	0	18.50	18.56	18.59	19.3	5

Band 17_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				710	710	711		
10	QPSK	1	0	23.82	23.99	23.90	24.8	0
10	QPSK	1	25	23.80	23.85	23.76		
10	QPSK	1	49	23.77	23.92	23.79		
10	QPSK	25	0	22.99	22.99	22.97	23.8	1
10	QPSK	25	12	22.81	22.95	22.98		
10	QPSK	25	25	22.81	22.89	22.90		
10	QPSK	50	0	22.93	22.97	22.94	23.8	1
10	16QAM	1	0	23.26	23.20	23.20		
10	16QAM	1	49	23.27	23.26	23.23		
10	16QAM	25	0	21.88	21.89	21.92	22.8	2
10	16QAM	25	12	22.03	21.95	21.97		
10	16QAM	25	25	22.03	22.04	22.05		
10	16QAM	50	0	21.99	21.95	21.98	22.8	2
10	64QAM	1	0	22.08	22.07	22.13		
10	64QAM	1	25	22.09	22.10	22.27		
10	64QAM	1	49	22.14	22.27	22.27	21.8	3
10	64QAM	25	0	20.87	20.88	21.00		
10	64QAM	25	12	21.05	20.93	20.96		
10	64QAM	25	25	20.99	21.01	21.02	19.8	5
10	64QAM	50	0	20.98	20.92	20.94		
10	256QAM	1	0	18.89	18.96	18.86		
10	256QAM	1	25	18.89	18.92	18.87	19.8	5
10	256QAM	1	49	18.87	18.88	18.72		
10	256QAM	25	0	18.84	18.84	18.71		
10	256QAM	25	12	18.96	19.00	18.99	19.8	5
10	256QAM	25	25	18.76	18.93	18.74		
10	256QAM	50	0	18.75	18.87	18.80		
Channel				23785	23790	23825	Tune-up limit	MPR
Frequency (MHz)				709.5	710	713.5	(dBm)	(dB)
5	QPSK	1	0	23.73	23.82	23.75	24.8	0
5	QPSK	1	12	23.85	23.88	23.85		
5	QPSK	1	24	23.79	23.78	23.81		
5	QPSK	12	0	22.78	22.77	22.80	23.8	1
5	QPSK	12	7	22.88	22.81	22.91		
5	QPSK	12	13	22.85	22.88	22.91		
5	QPSK	25	0	22.84	22.79	22.80	23.8	1
5	16QAM	1	0	23.21	23.15	23.09		
5	16QAM	1	12	23.27	23.27	23.30		
5	16QAM	1	24	23.13	23.02	23.29	22.8	2
5	16QAM	12	0	21.82	21.84	21.83		
5	16QAM	12	7	21.92	21.90	21.99		
5	16QAM	12	13	21.95	21.96	21.98	22.8	2
5	16QAM	25	0	21.86	21.83	21.83		
5	16QAM	25	1	21.94	21.92	22.08		
5	64QAM	1	0	22.02	22.07	22.19	22.8	2
5	64QAM	1	24	22.05	22.05	22.02		
5	64QAM	12	0	20.77	20.81	20.90		
5	64QAM	12	7	20.94	20.90	20.92	21.8	3
5	64QAM	12	13	20.93	20.97	20.92		
5	64QAM	25	0	20.85	20.81	20.86		
5	256QAM	1	0	18.85	18.92	18.87	19.8	5
5	256QAM	1	12	18.81	18.82	18.85		
5	256QAM	1	24	18.70	18.80	18.72		
5	256QAM	12	0	18.88	18.88	18.55	19.8	5
5	256QAM	12	7	18.81	18.83	18.85		
5	256QAM	12	13	18.67	18.81	18.67		
5	256QAM	25	0	18.64	18.80	18.77	19.8	5



Band 25_Ant 4

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel entries for various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Band 25_Ant 5

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel entries for various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.



Band 25_Ant 6

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation schemes and RB sizes.

Band 25_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation schemes and RB sizes.



Band 26_Ant 0

Band	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
				26765	26865	26965		
Frequency (MHz)								
15	QPSK	1	0	23.51	23.53	23.55	24.3	0
15	QPSK	1	37	23.52	23.64	23.66		
15	QPSK	1	74	23.59	23.66	23.45		
15	QPSK	36	49	22.74	22.76	22.69		
15	QPSK	36	20	22.73	22.68	22.68		
15	QPSK	36	36	22.71	22.73	22.62		
15	QPSK	75	0	22.77	22.85	22.68		
15	16QAM	1	0	22.84	22.91	22.86	23.3	1
15	16QAM	1	37	22.97	22.95	22.95		
15	16QAM	1	74	22.96	22.90	22.94		
15	16QAM	36	0	21.71	21.72	21.86		
15	16QAM	36	20	21.79	21.71	21.92		
15	16QAM	36	36	21.79	21.75	21.89		
15	16QAM	75	0	21.79	21.67	21.69		
15	64QAM	1	0	21.80	21.85	21.80		
15	64QAM	1	37	21.85	21.78	21.77		
15	64QAM	1	74	21.84	21.74	21.80		
15	64QAM	36	0	20.74	20.73	20.65		
15	64QAM	36	20	20.76	20.67	20.70		
15	64QAM	36	36	20.73	20.73	20.86		
15	64QAM	75	0	20.77	20.69	20.69		
15	256QAM	1	0	18.62	18.77	18.71	19.3	5
15	256QAM	1	37	18.54	18.70	18.65		
15	256QAM	1	74	18.70	18.64	18.68		
15	256QAM	36	0	18.70	18.75	18.66		
15	256QAM	36	20	18.59	18.69	18.62		
15	256QAM	36	36	18.52	18.74	18.59		
15	256QAM	75	0	18.63	18.78	18.74	19.3	5
Channel								
				26740	26865	26990		
Frequency (MHz)								
10	QPSK	1	0	23.68	23.64	23.70	24.3	0
10	QPSK	1	25	23.42	23.63	23.71		
10	QPSK	1	26	23.44	23.66	23.62		
10	QPSK	25	0	22.78	22.82	22.77		
10	QPSK	25	12	22.87	22.85	22.84		
10	QPSK	25	13	22.83	22.88	22.81		
10	QPSK	50	0	22.86	22.82	22.80		
10	16QAM	1	0	23.28	23.29	23.09		
10	16QAM	1	25	23.13	23.14	23.20		
10	16QAM	1	49	23.29	23.20	23.01		
10	16QAM	25	0	21.83	21.84	21.76		
10	16QAM	25	12	21.93	21.89	21.87		
10	16QAM	25	25	21.89	21.90	21.83		
10	16QAM	50	0	21.86	21.82	21.81		
10	64QAM	1	0	21.89	22.04	21.81		
10	64QAM	1	25	22.07	22.02	21.79		
10	64QAM	1	49	21.92	21.83	21.79		
10	64QAM	25	0	20.81	20.86	20.76		
10	64QAM	25	12	20.87	20.87	20.85		
10	64QAM	25	25	20.88	20.86	20.80		
10	64QAM	50	0	20.87	20.82	20.84		
10	256QAM	1	0	18.45	18.68	18.70	19.3	5
10	256QAM	1	25	18.51	18.64	18.63		
10	256QAM	1	49	18.60	18.79	18.49		
10	256QAM	25	0	18.51	18.63	18.63		
10	256QAM	25	12	18.53	18.65	18.61		
10	256QAM	25	25	18.59	18.58	18.45		
10	256QAM	50	0	18.46	18.78	18.60	19.3	5
Channel								
				26715	26865	26915		
Frequency (MHz)								
5	QPSK	1	0	23.71	23.72	23.68	24.3	0
5	QPSK	1	24	23.72	23.74	23.67		
5	QPSK	1	24	23.74	23.88	23.65		
5	QPSK	12	0	22.76	22.81	22.72		
5	QPSK	12	7	22.87	22.83	22.76		
5	QPSK	12	13	22.85	22.88	22.75		
5	QPSK	25	0	22.86	22.80	22.73		
5	16QAM	1	0	23.16	23.11	23.01		
5	16QAM	1	12	23.23	23.13	23.21		
5	16QAM	1	24	23.07	23.14	22.96		
5	16QAM	12	0	21.86	21.84	21.73		
5	16QAM	12	7	21.92	21.88	21.79		
5	16QAM	12	13	21.87	21.92	21.86		
5	16QAM	25	0	21.89	21.83	21.75		
5	64QAM	1	0	22.07	22.05	21.89		
5	64QAM	1	12	22.01	22.09	22.00		
5	64QAM	1	24	21.94	22.02	21.82		
5	64QAM	12	0	20.92	20.84	20.85		
5	64QAM	12	7	20.93	20.89	20.75		
5	64QAM	12	13	20.90	20.85	20.75		
5	64QAM	25	0	20.84	20.83	20.70		
5	256QAM	1	0	18.49	18.75	18.59	19.3	5
5	256QAM	1	12	18.45	18.52	18.54		
5	256QAM	1	24	18.61	18.67	18.60		
5	256QAM	12	0	18.63	18.68	18.62		
5	256QAM	12	7	18.42	18.63	18.61		
5	256QAM	12	13	18.68	18.67	18.44		
5	256QAM	25	0	18.45	18.70	18.54	19.3	5
Channel								
				26715	26865	26915		
Frequency (MHz)								
3	QPSK	1	0	23.67	23.69	23.73	24.3	0
3	QPSK	1	8	23.71	23.69	23.73		
3	QPSK	1	14	23.69	23.73	23.60		
3	QPSK	8	0	22.87	22.78	22.72		
3	QPSK	8	4	22.89	22.81	22.70		
3	QPSK	8	7	22.82	22.88	22.78		
3	QPSK	15	0	22.80	22.78	22.68		
3	16QAM	1	0	23.24	23.12	22.99		
3	16QAM	1	8	23.28	23.12	23.01		
3	16QAM	1	14	23.09	23.00	22.98		
3	16QAM	8	0	21.92	21.85	21.80		
3	16QAM	8	4	21.96	21.90	21.83		
3	16QAM	8	7	21.88	21.99	21.82		
3	16QAM	15	0	21.81	21.79	21.68		
3	64QAM	1	0	21.88	22.02	21.87		
3	64QAM	1	8	22.06	22.18	22.03		
3	64QAM	1	14	21.94	21.96	21.71		
3	64QAM	8	0	20.89	20.81	20.71		
3	64QAM	8	4	20.93	20.85	20.78		
3	64QAM	8	7	20.91	20.96	20.82		
3	64QAM	15	0	20.89	20.82	20.69		
3	256QAM	1	0	18.52	18.76	18.61	19.3	5
3	256QAM	1	8	18.47	18.59	18.57		
3	256QAM	1	14	18.70	18.74	18.59		
3	256QAM	8	0	18.69	18.75	18.62		
3	256QAM	8	4	18.46	18.58	18.51		
3	256QAM	8	7	18.70	18.64	18.54		
3	256QAM	15	0	18.55	18.69	18.62	19.3	5
Channel								
				26997	26965	27033		
Frequency (MHz)								
1.4	QPSK	1	0	23.55	23.63	23.64	24.3	0
1.4	QPSK	1	3	23.73	23.72	23.72		
1.4	QPSK	1	5	23.69	23.72	23.64		
1.4	QPSK	3	0	23.71	23.73	23.70		
1.4	QPSK	3	1	23.70	23.73	23.69		
1.4	QPSK	3	0	23.70	23.70	23.72		
1.4	QPSK	6	0	22.82	22.77	22.72		
1.4	16QAM	1	0	23.09	23.09	22.98		
1.4	16QAM	1	3	23.16	23.13	23.01		
1.4	16QAM	1	6	22.96	22.82	22.82		
1.4	16QAM	3	0	22.83	22.90	22.87		
1.4	16QAM	3	3	22.99	22.91	22.86		
1.4	16QAM	6	0	21.87	21.84	21.86		
1.4	64QAM	1	0	23.14	23.19	23.06		
1.4	64QAM	1	3	22.06	22.00	21.98		
1.4	64QAM	1	5	22.10	21.92	21.86		
1.4	64QAM	3	0	21.89	21.98	21.83		
1.4	64QAM	3	1	21.99	21.84	21.87		
1.4	64QAM	3	3	21.94	21.90	21.83		
1.4	64QAM	6	0	20.89	20.80	20.83		
1.4	256QAM	1	0	18.55	18.74	18.54	19.3	5
1.4	256QAM	1	3	18.48	18.67	18.61		
1.4	256QAM	1	5	18.59	18.70	18.53		
1.4	256QAM	3	0	18.63	18.74	18.64		
1.4	256QAM	3	1	18.58	18.54	18.46		
1.4	256QAM	3	3	18.57	18.62	18.48		
1.4	256QAM	6	0	18.60	18.73	18.69	19.3	5

Band 26_Ant 1



Band 30_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				27710						
10	QPSK	1	0	19.75	19.75	19.75	20.4	0		
10	QPSK	1	25	19.7	19.7	19.7				
10	QPSK	1	49	19.65	19.65	19.65				
10	QPSK	25	0	19.65	19.65	19.65	20.4	0		
10	QPSK	25	12	19.67	19.67	19.67				
10	QPSK	25	25	19.67	19.67	19.67				
10	QPSK	50	0	19.65	19.65	19.65	20.4	0		
10	16QAM	1	0	19.65	19.65	19.65				
10	16QAM	1	25	19.6	19.6	19.6				
10	16QAM	1	49	19.65	19.65	19.65	20.4	0		
10	16QAM	25	0	19.6	19.6	19.6				
10	16QAM	25	25	19.65	19.65	19.65				
10	64QAM	1	0	19.68	19.68	19.68	20.4	0		
10	64QAM	1	49	19.63	19.63	19.63				
10	64QAM	25	0	19.35	19.35	19.35				
10	64QAM	25	12	19.31	19.31	19.31	19.9	0.5		
10	64QAM	25	25	19.36	19.36	19.36				
10	64QAM	50	0	19.3	19.3	19.3				
10	256QAM	1	0	17.20	17.20	17.20	17.9	2.5		
10	256QAM	1	25	17.30	17.30	17.30				
10	256QAM	1	49	17.17	17.17	17.20				
10	256QAM	25	0	17.24	17.24	17.24	17.9	2.5		
10	256QAM	25	12	17.21	17.21	17.21				
10	256QAM	25	25	17.25	17.25	17.25				
10	256QAM	50	0	17.27	17.27	17.27				
Channel										
Frequency (MHz)				27685			27710		27735	
5	QPSK	1	0	19.60	19.61	19.63	20.4	0		
5	QPSK	1	12	19.69	19.65	19.66				
5	QPSK	1	24	19.57	19.64	19.58				
5	QPSK	12	0	19.51	19.6	19.54	20.4	0		
5	QPSK	12	7	19.49	19.61	19.48				
5	QPSK	12	13	19.48	19.56	19.57				
5	QPSK	25	0	19.69	19.61	19.68	20.4	0		
5	16QAM	1	0	19.6	19.66	19.59				
5	16QAM	1	12	19.55	19.66	19.64				
5	16QAM	1	24	19.6	19.62	19.64	20.4	0		
5	16QAM	12	0	19.59	19.53	19.5				
5	16QAM	12	7	19.64	19.56	19.64				
5	16QAM	12	13	19.57	19.61	19.6	20.4	0		
5	16QAM	25	0	19.63	19.59	19.64				
5	16QAM	1	12	19.6	19.63	19.62				
5	64QAM	1	12	19.54	19.59	19.46	20.4	0		
5	64QAM	1	24	19.59	19.66	19.64				
5	64QAM	1	0	19.6	19.63	19.26				
5	64QAM	12	0	19.35	19.36	19.26	19.9	0.5		
5	64QAM	12	7	19.12	19.29	19.23				
5	64QAM	12	13	19.31	19.35	19.24				
5	64QAM	25	0	19.15	19.2	19.12	17.9	2.5		
5	256QAM	1	0	17.04	17.17	17.03				
5	256QAM	1	12	17.17	17.22	17.20				
5	256QAM	1	24	17.06	17.16	17.11	17.9	2.5		
5	256QAM	12	0	17.19	17.17	17.07				
5	256QAM	12	7	17.02	17.19	17.13				
5	256QAM	12	13	17.10	17.17	17.07	17.9	2.5		
5	256QAM	25	0	17.15	17.22	17.13				

Band 30_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				27710						
10	QPSK	1	0	23.63	23.63	23.63	24.3	0		
10	QPSK	1	25	23.60	23.60	23.60				
10	QPSK	1	49	23.85	23.85	23.85				
10	QPSK	25	0	22.75	22.75	22.75	23.3	1		
10	QPSK	25	12	22.70	22.70	22.70				
10	QPSK	25	25	22.78	22.78	22.78				
10	16QAM	1	0	23.10	23.10	23.10	23.3	1		
10	16QAM	1	25	23.09	23.09	23.09				
10	16QAM	1	49	23.16	23.16	23.16				
10	16QAM	25	0	21.89	21.89	21.89	22.3	2		
10	16QAM	25	12	21.71	21.71	21.71				
10	16QAM	25	25	21.75	21.75	21.75				
10	16QAM	50	0	21.89	21.89	21.89	22.3	2		
10	64QAM	1	0	21.84	21.84	21.84				
10	64QAM	1	25	21.93	21.93	21.93				
10	64QAM	1	49	21.72	21.72	21.72	21.3	3		
10	64QAM	25	0	20.69	20.69	20.69				
10	64QAM	25	12	20.69	20.69	20.69				
10	64QAM	25	25	20.73	20.73	20.73	19.3	5		
10	64QAM	50	0	20.64	20.64	20.64				
10	256QAM	1	0	18.50	18.50	18.50				
10	256QAM	1	25	18.55	18.55	18.55	19.3	5		
10	256QAM	1	49	18.52	18.52	18.52				
10	256QAM	25	0	18.50	18.50	18.50				
10	256QAM	25	12	18.57	18.57	18.57	19.3	5		
10	256QAM	25	25	18.59	18.59	18.59				
10	256QAM	50	0	18.51	18.51	18.51				
Channel										
Frequency (MHz)				27685			27710		27735	
5	QPSK	1	0	23.58	23.58	23.63	24.3	0		
5	QPSK	1	12	23.47	23.56	23.54				
5	QPSK	1	24	23.64	23.55	23.58				
5	QPSK	12	0	22.83	22.48	22.50	23.3	1		
5	QPSK	12	7	22.63	22.54	22.51				
5	QPSK	12	13	22.70	22.69	22.62				
5	QPSK	25	0	22.49	22.58	22.53	23.3	1		
5	16QAM	1	0	23.00	23.09	23.02				
5	16QAM	1	12	22.88	23.04	23.03				
5	16QAM	1	24	23.05	23.12	22.99	22.3	2		
5	16QAM	12	0	21.62	21.56	21.62				
5	16QAM	12	7	21.70	21.60	21.70				
5	16QAM	12	13	21.59	21.71	21.56	22.3	2		
5	16QAM	25	0	21.59	21.57	21.50				
5	16QAM	1	12	21.85	21.80	21.85				
5	64QAM	1	12	21.83	21.86	21.83	22.3	2		
5	64QAM	1	24	21.64	21.71	21.64				
5	64QAM	1	0	21.85	21.80	21.85				
5	64QAM	12	0	20.51	20.67	20.51	21.3	3		
5	64QAM	12	7	20.61	20.65	20.61				
5	64QAM	12	13	20.70	20.64	20.70				
5	64QAM	25	0	20.61	20.57	20.61	19.3	5		
5	256QAM	1	0	18.47	18.49	18.47				
5	256QAM	1	12	18.54	18.53	18.54				
5	256QAM	1	24	18.37	18.47	18.37	19.3	5		
5	256QAM	12	0	18.45	18.31	18.45				
5	256QAM	12	7	18.53	18.53	18.53				
5	256QAM	12	13	18.42	18.52	18.42	19.3	5		
5	256QAM	25	0	18.33	18.35	18.33				



Band 30_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				27710	27710	27710		
10	QPSK	1	0	16.81	16.81	16.81	17.3	0
10	QPSK	1	25	16.89	16.89	16.89		
10	QPSK	1	49	16.97	16.97	16.97		
10	QPSK	25	0	16.81	16.81	16.81	17.3	0
10	QPSK	25	12	16.84	16.84	16.84		
10	QPSK	25	25	16.90	16.90	16.90		
10	QPSK	50	0	16.81	16.81	16.81	17.3	0
10	16QAM	1	0	16.85	16.85	16.85		
10	16QAM	1	25	16.70	16.70	16.70		
10	16QAM	1	49	16.73	16.73	16.73	17.3	0
10	16QAM	25	0	16.76	16.76	16.76		
10	16QAM	25	12	16.69	16.69	16.69		
10	16QAM	25	25	16.82	16.82	16.82	17.3	0
10	16QAM	50	0	16.78	16.78	16.78		
10	16QAM	50	12	16.66	16.66	16.66		
10	64QAM	1	25	16.85	16.85	16.85	17.3	0
10	64QAM	1	49	16.80	16.80	16.80		
10	64QAM	25	0	16.87	16.87	16.87		
10	64QAM	25	12	16.70	16.70	16.70	17.3	0
10	64QAM	25	25	16.89	16.89	16.89		
10	64QAM	50	0	16.66	16.66	16.66		
10	256QAM	1	0	16.58	16.58	16.58	17.3	0
10	256QAM	1	25	16.89	16.89	16.89		
10	256QAM	1	49	16.69	16.69	16.69		
10	256QAM	25	0	16.69	16.69	16.69	17.3	0
10	256QAM	25	12	16.57	16.57	16.57		
10	256QAM	25	25	16.66	16.66	16.66		
10	256QAM	50	0	16.58	16.58	16.58		
Channel								
Frequency (MHz)				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.71	16.67	16.70	17.3	0
5	QPSK	1	12	16.54	16.50	16.58		
5	QPSK	1	24	16.50	16.44	16.52		
5	QPSK	12	0	16.59	16.58	16.62	17.3	0
5	QPSK	12	7	16.54	16.46	16.53		
5	QPSK	12	13	16.53	16.47	16.46		
5	QPSK	25	0	16.59	16.62	16.59	17.3	0
5	16QAM	1	0	16.45	16.51	16.51		
5	16QAM	1	12	16.72	16.71	16.73		
5	16QAM	1	24	16.73	16.77	16.75	17.3	0
5	16QAM	12	0	16.67	16.83	16.71		
5	16QAM	12	7	16.48	16.53	16.47		
5	16QAM	12	13	16.42	16.53	16.55	17.3	0
5	16QAM	25	0	16.71	16.73	16.90		
5	16QAM	1	0	16.49	16.41	16.48		
5	64QAM	1	12	16.55	16.49	16.51	17.3	0
5	64QAM	1	24	16.44	16.48	16.42		
5	64QAM	12	0	16.52	16.56	16.56		
5	64QAM	12	7	16.62	16.50	16.62	17.3	0
5	64QAM	12	13	16.58	16.64	16.51		
5	64QAM	25	0	16.61	16.50	16.46		
5	256QAM	1	0	16.41	16.53	16.43	17.3	0
5	256QAM	1	12	16.55	16.55	16.49		
5	256QAM	1	24	16.59	16.50	16.54		
5	256QAM	12	0	16.62	16.61	16.62	17.3	0
5	256QAM	12	7	16.45	16.48	16.44		
5	256QAM	12	13	16.52	16.56	16.48		
5	256QAM	25	0	16.41	16.45	16.43		

Band 30_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				27710	27710	27710		
10	QPSK	1	0	21.31	21.31	21.31	22.1	0
10	QPSK	1	25	21.40	21.40	21.40		
10	QPSK	1	49	21.36	21.36	21.36		
10	QPSK	25	0	21.31	21.31	21.31	22.1	0
10	QPSK	25	12	21.33	21.33	21.33		
10	QPSK	25	25	21.36	21.36	21.36		
10	QPSK	50	0	21.31	21.31	21.31	22.1	0
10	16QAM	1	0	21.41	21.41	21.41		
10	16QAM	1	25	21.33	21.33	21.33		
10	16QAM	1	49	21.35	21.35	21.35	22.1	0
10	16QAM	25	0	20.41	20.41	20.41		
10	16QAM	25	12	20.35	20.35	20.35		
10	16QAM	25	25	20.33	20.33	20.33	21.1	1
10	16QAM	50	0	20.39	20.39	20.39		
10	16QAM	50	12	20.35	20.35	20.35		
10	64QAM	1	25	20.79	20.79	20.79	21.1	1
10	64QAM	1	49	20.82	20.82	20.82		
10	64QAM	25	0	19.33	19.33	19.33		
10	64QAM	25	12	19.30	19.30	19.30	20.1	2
10	64QAM	25	25	19.35	19.35	19.35		
10	64QAM	50	0	19.39	19.39	19.39		
10	256QAM	1	0	17.30	17.30	17.30	18.1	4
10	256QAM	1	25	17.25	17.25	17.25		
10	256QAM	1	49	17.28	17.28	17.28		
10	256QAM	25	0	17.28	17.28	17.28	18.1	4
10	256QAM	25	12	17.30	17.30	17.30		
10	256QAM	25	25	17.33	17.33	17.33		
10	256QAM	50	0	17.25	17.25	17.25		
Channel								
Frequency (MHz)				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.36	21.48	21.40	22.1	0
5	QPSK	1	12	21.24	21.22	21.28		
5	QPSK	1	24	21.24	21.20	21.27		
5	QPSK	12	0	21.29	21.28	21.31	22.1	0
5	QPSK	12	7	21.23	21.27	21.19		
5	QPSK	12	13	21.20	21.20	21.22		
5	QPSK	25	0	21.17	21.21	21.18	22.1	0
5	16QAM	1	0	21.28	21.36	21.26		
5	16QAM	1	12	21.22	21.21	21.20		
5	16QAM	1	24	21.29	21.30	21.30	22.1	0
5	16QAM	12	0	20.49	20.29	20.24		
5	16QAM	12	7	20.17	20.35	20.24		
5	16QAM	12	13	20.21	20.14	20.16	21.1	1
5	16QAM	25	0	20.39	20.26	20.29		
5	16QAM	25	12	20.62	20.60	20.53		
5	64QAM	1	12	20.65	20.49	20.51	21.1	1
5	64QAM	1	24	20.61	20.59	20.57		
5	64QAM	12	0	19.27	19.15	19.31		
5	64QAM	12	7	19.27	19.17	19.28	20.1	2
5	64QAM	12	13	19.21	19.34	19.28		
5	64QAM	25	0	19.30	19.33	19.25		
5	256QAM	1	0	17.21	17.30	17.13	18.1	4
5	256QAM	1	12	17.07	17.07	17.14		
5	256QAM	1	24	17.23	17.11	17.23		
5	256QAM	12	0	17.10	17.12	17.12	18.1	4
5	256QAM	12	7	17.20	17.22	17.13		
5	256QAM	12	13	17.32	17.21	17.31		
5	256QAM	25	0	17.25	17.25	17.06		



Band 66_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types (QPSK, 16QAM, 64QAM, 256QAM) and RB sizes (1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 20, 24, 25, 30, 36, 40, 45, 50, 60, 75).

Band 66_Ant 5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types (QPSK, 16QAM, 64QAM, 256QAM) and RB sizes (1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 20, 24, 25, 30, 36, 40, 45, 50, 60, 75).



Band 66_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types and power levels.

Band 66_Ant 7

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple channel frequency lists for various modulation types and power levels.



Band 71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.78	23.81	23.75	24.3	0
20	QPSK	1	49	23.72	23.72	23.72		
20	QPSK	1	99	23.61	23.70	23.66		
20	QPSK	50	0	22.84	22.85	22.87	23.3	1
20	QPSK	50	24	22.76	22.80	22.76		
20	QPSK	50	50	22.72	22.74	22.69		
20	QPSK	100	0	22.82	22.82	22.72	23.3	1
20	16QAM	1	0	22.82	22.86	22.78		
20	16QAM	1	99	22.87	22.91	22.85		
20	16QAM	50	0	21.77	21.88	21.86	22.3	2
20	16QAM	50	24	21.76	21.89	21.79		
20	16QAM	50	50	21.70	21.78	21.72		
20	16QAM	100	0	21.70	21.81	21.74	22.3	2
20	64QAM	1	0	22.15	22.16	22.14		
20	64QAM	1	49	21.78	21.85	21.78		
20	64QAM	1	99	21.71	21.75	21.80	21.3	3
20	64QAM	50	0	20.78	20.83	20.81		
20	64QAM	50	24	20.78	20.83	20.76		
20	64QAM	50	50	20.82	20.69	20.68	19.3	5
20	64QAM	100	0	20.63	20.75	20.68		
20	256QAM	1	0	18.80	18.82	18.72		
20	256QAM	1	49	18.67	18.85	18.74	19.3	5
20	256QAM	1	99	18.65	18.80	18.78		
20	256QAM	50	0	18.68	18.79	18.68		
20	256QAM	50	24	18.70	18.77	18.68	19.3	5
20	256QAM	50	50	18.68	18.75	18.63		
20	256QAM	100	0	18.55	18.72	18.67		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.89	23.72	23.74	24.3	0
15	QPSK	1	37	23.88	23.62	23.61		
15	QPSK	1	74	23.47	23.64	23.49		
15	QPSK	36	0	22.80	22.81	22.86	23.3	1
15	QPSK	36	20	22.64	22.70	22.70		
15	QPSK	36	39	22.67	22.72	22.62		
15	QPSK	75	0	22.68	22.74	22.67	23.3	1
15	16QAM	1	0	22.77	22.76	22.73		
15	16QAM	1	37	22.85	22.86	22.81		
15	16QAM	1	74	22.79	22.79	22.80	22.3	2
15	16QAM	36	0	21.79	21.96	21.76		
15	16QAM	36	20	21.67	21.78	21.69		
15	16QAM	36	39	21.62	21.70	21.61	22.3	2
15	16QAM	75	0	21.69	21.80	21.73		
15	16QAM	1	0	22.07	22.08	22.09		
15	64QAM	1	37	21.72	21.77	21.76	22.3	2
15	64QAM	1	74	21.66	21.73	21.69		
15	64QAM	36	0	20.70	20.82	20.71		
15	64QAM	36	20	20.77	20.72	20.74	21.3	3
15	64QAM	36	39	20.69	20.61	20.66		
15	64QAM	75	0	20.82	20.71	20.83		
15	256QAM	1	0	18.70	18.73	18.71	19.3	5
15	256QAM	1	37	18.61	18.75	18.67		
15	256QAM	1	74	18.80	18.79	18.73		
15	256QAM	36	0	18.63	18.68	18.61	19.3	5
15	256QAM	36	20	18.68	18.75	18.67		
15	256QAM	36	39	18.57	18.64	18.57		
15	256QAM	75	0	18.43	18.62	18.51		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.67	23.69	23.67	24.3	0
10	QPSK	1	25	23.58	23.68	23.66		
10	QPSK	1	49	23.43	23.69	23.45		
10	QPSK	25	0	22.78	22.91	22.79	23.3	1
10	QPSK	25	12	22.72	22.85	22.69		
10	QPSK	25	25	22.62	22.87	22.55		
10	QPSK	50	0	22.65	22.79	22.68	23.3	1
10	16QAM	1	0	22.70	22.75	22.68		
10	16QAM	1	25	22.83	23.00	22.84		
10	16QAM	1	49	22.78	22.79	22.76	22.3	2
10	16QAM	25	0	21.72	21.83	21.80		
10	16QAM	25	12	21.89	21.77	21.76		
10	16QAM	25	25	21.63	21.72	21.61	22.3	2
10	16QAM	50	0	21.69	21.75	21.63		
10	64QAM	1	0	22.02	22.14	22.13		
10	64QAM	1	25	21.75	21.81	21.75	22.3	2
10	64QAM	1	49	21.69	21.69	21.67		
10	64QAM	25	0	20.86	20.71	20.89		
10	64QAM	25	12	20.74	20.78	20.65	21.3	3
10	64QAM	25	25	20.50	20.66	20.56		
10	64QAM	50	0	20.52	20.70	20.59		
10	256QAM	1	0	18.78	18.75	18.63	19.3	5
10	256QAM	1	25	18.64	18.76	18.73		
10	256QAM	1	49	18.54	18.70	18.70		
10	256QAM	25	0	18.69	18.69	18.65	19.3	5
10	256QAM	25	12	18.64	18.67	18.67		
10	256QAM	25	25	18.60	18.74	18.59		
10	256QAM	50	0	18.47	18.61	18.51		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.77	23.79	23.69	24.3	0
5	QPSK	1	12	23.71	23.67	23.66		
5	QPSK	1	24	23.50	23.58	23.51		
5	QPSK	12	0	22.78	22.85	22.75	23.3	1
5	QPSK	12	7	22.69	22.79	22.65		
5	QPSK	12	13	22.61	22.65	22.57		
5	QPSK	26	0	22.64	22.71	22.71	23.3	1
5	16QAM	1	0	22.70	22.78	22.73		
5	16QAM	1	12	22.69	22.84	22.86		
5	16QAM	12	0	21.68	21.85	21.81	22.3	2
5	16QAM	12	7	21.70	21.77	21.69		
5	16QAM	12	13	21.58	21.67	21.66		
5	16QAM	25	0	21.64	21.72	21.67	22.3	2
5	64QAM	1	0	22.05	22.10	22.09		
5	64QAM	1	19	21.67	21.62	21.68		
5	64QAM	1	24	21.68	21.68	21.66	21.3	3
5	64QAM	12	0	20.72	20.81	20.77		
5	64QAM	12	7	20.77	20.73	20.69		
5	64QAM	12	13	20.61	20.61	20.60	19.3	5
5	256QAM	1	0	20.53	20.70	20.56		
5	256QAM	1	20	18.73	18.72	18.64		
5	256QAM	1	12	18.66	18.84	18.72	19.3	5
5	256QAM	1	24	18.63	18.73	18.75		
5	256QAM	12	0	18.65	18.71	18.63		
5	256QAM	12	7	18.83	18.73	18.58	19.3	5
5	256QAM	12	13	18.56	18.67	18.60		
5	256QAM	25	0	18.48	18.66	18.48		

Band 71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.82	24.04	23.74	24.8	0
20	QPSK	1	49	23.80	23.84	23.71		
20	QPSK	1	99	23.78	23.83	23.61		
20	QPSK	50	0	23.11	23.11	23.07	23.8	1
20	QPSK	50	24	23.08	23.11	23.03		
20	QPSK	50	50	23.00	23.11	23.04		
20	QPSK	100	0	23.05	23.11	23.04	23.8	1
20	16QAM	1	0	23.21	23.29	23.27		
20	16QAM	1	49	23.10	23.14	23.06		
20	16QAM	1	99	23.16	23.20	23.19	22.8	2
20	16QAM	50	0	22.10	22.20	22.17		
20	16QAM	50	24	22.01	22.03	21.96		
20	16QAM	50	50	22.05	22.04	21.96	22.8	2
20	64QAM	1	0	22.28	22.27	22.18		
20	64QAM	1	49	22.22	22.28	22.19		
20	64QAM	1	99	22.07	22.12	22.08	21.8	3
20	64QAM	50	0	21.08	21.16	21.06		
20	64QAM	50	24	21.06	21.14	21.06		
20	64QAM	50	50	20.80	20.96	20.80	19.8	5
20	64QAM	100	0	21.01	21.12	21.00		
20	256QAM	1	0	18.82	18.95	18.86		
20	256QAM	1	49	18.80	18.83	18.85	19.8	5
20	256QAM	1	99	18.82	18.88	18.77		
20	256QAM	50	0	18.79	18.84	18.80		
20	256QAM	50	24	18.89	18.96	18.94	19.8	5
20	256QAM	50	50	18.82	18.93	18.84		
20	256QAM	100	0	18.83	18.87	18.70		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.73	23.92	23.64	24.8	0
15	QPSK	1	37	23.75	23.92	23.68		
15	QPSK	1	74	23.24	23.62	23.58		
15	QPSK	36	0	22.97	23.11	22.93	23.8	1
15	QPSK	36	20	23.10	23.08	23.04		
15	QPSK	36	39	22.81	23.09	22.94		
15	QPSK	75	0	23.02	23.08	22.98	23.8	1
15	16QAM	1	0	23.13	23.24	23.20		
15	16QAM	1	37	23.				



Band 38_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 38_Ant 5

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).



Band 41_Ant 4

Table with columns: 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), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 41_Ant 5

Table with columns: 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), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).



Band 41_Ant 6

Table with columns: 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), MPR (dB). Contains multiple rows of channel data for various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.

Band 41_Ant 4 (HPUE)

Table with columns: 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), MPR (dB). Contains multiple rows of channel data for various modulation schemes like QPSK, 16QAM, 64QAM, 256QAM.



Band 48_Ant 10

Table with columns: 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), MPR (dB). Contains data for various modulation types (QPSK, 16QAM, 64QAM, 256QAM) across different RB sizes and offsets.

Band 48_Ant 13

Table with columns: 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), MPR (dB). Contains data for various modulation types (QPSK, 16QAM, 64QAM, 256QAM) across different RB sizes and offsets.



n2 Ant 4

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)	1860	1860	1900			
20	PV2 BPSK	1	1	20.36	20.41	20.38	
20	PV2 BPSK	1	53	20.27	20.38	20.38	21.7
20	PV2 BPSK	1	104	20.33	20.45	20.43	
20	PV2 BPSK	50	0	20.23	20.37	20.28	21.7
20	PV2 BPSK	50	28	20.27	20.32	20.19	0.0
20	PV2 BPSK	50	56	20.31	20.41	20.33	21.7
20	PV2 BPSK	100	0	20.27	20.34	20.32	
20	QPSK	1	1	20.31	20.47	20.32	
20	QPSK	1	53	20.33	20.38	20.29	21.7
20	QPSK	1	104	20.30	20.40	20.36	
20	QPSK	50	0	20.22	20.31	20.18	21.7
20	QPSK	50	28	20.23	20.34	20.28	0.0
20	QPSK	50	56	20.26	20.28	20.11	21.7
20	QPSK	100	0	20.33	20.36	20.33	
20	16QAM	1	1	20.06	20.25	20.06	21.7
20	16QAM	1	1	18.70	18.80	18.96	21.2
20	256QAM	1	1	18.34	18.46	18.41	19.7
Channel	Frequency (MHz)	371000	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1877.5	1880	1892.5	21.7
Channel	Frequency (MHz)	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1855	1860	1865	21.7
Channel	Frequency (MHz)	376500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1827.5	1830	1824	21.7

n2 Ant 5

Channel	Frequency (MHz)	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)	1860	1860	1900			
20	PV2 BPSK	1	1	23.36	23.46	23.29	
20	PV2 BPSK	1	53	23.45	23.50	23.41	25.2
20	PV2 BPSK	1	104	23.34	23.49	23.35	
20	PV2 BPSK	50	0	23.18	23.20	23.18	24.7
20	PV2 BPSK	50	28	23.47	23.48	23.38	0.0
20	PV2 BPSK	50	56	23.30	23.33	23.17	24.7
20	PV2 BPSK	100	0	23.25	23.30	23.28	
20	QPSK	1	1	24.17	24.20	24.11	
20	QPSK	1	53	24.13	24.18	23.99	25.2
20	QPSK	1	104	24.08	24.17	24.08	
20	QPSK	50	0	23.45	23.53	23.52	25.2
20	QPSK	50	28	23.97	24.10	23.94	0.0
20	QPSK	50	56	23.43	23.53	23.30	25.2
20	QPSK	100	0	23.19	23.20	23.18	24.2
20	16QAM	1	1	22.93	23.05	22.94	1.0
20	16QAM	1	1	21.84	21.80	21.74	22.7
20	256QAM	1	1	19.80	19.97	19.80	20.7
Channel	Frequency (MHz)	371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1877.5	1880	1892.5	21.7
Channel	Frequency (MHz)	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	1855	1860	1865	21.7
Channel	Frequency (MHz)	376500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1827.5	1830	1824	21.7



n2 Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	Pi/2 BPSK	1	1	17.22	17.25	17.07	17.7	0.0
20	Pi/2 BPSK	1	53	17.18	17.26	17.16		
20	Pi/2 BPSK	1	104	17.07	17.20	17.16		
20	Pi/2 BPSK	50	0	16.96	17.15	17.07	17.7	0.0
20	Pi/2 BPSK	50	28	17.04	17.22	17.03	17.7	0.0
20	Pi/2 BPSK	50	56	17.11	17.19	17.09	17.7	0.0
20	Pi/2 BPSK	100	0	17.22	17.24	17.07		
20	QPSK	1	1	17.13	17.30	17.16		
20	QPSK	1	53	17.24	17.25	17.14	17.7	0.0
20	QPSK	1	104	17.06	17.22	17.18		
20	QPSK	50	0	17.04	17.18	17.09	17.7	0.0
20	QPSK	50	28	17.05	17.23	17.22	17.7	0.0
20	QPSK	50	56	17.09	17.20	17.07	17.7	0.0
20	QPSK	100	0	17.03	17.21	17.02		
20	16QAM	1	1	17.16	17.17	17.15	17.7	0.0
20	16QAM	1	1	16.97	17.15	17.07	17.7	0.0
20	256QAM	1	1	17.06	17.20	17.04	17.7	0.0
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1877.5	1890	1902.5	(dBm)	(dB)
15	QPSK	1	1	17.06	17.28	17.16	17.7	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1865	1890	1905	(dBm)	(dB)
10	QPSK	1	1	16.98	17.19	16.88	17.7	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1890	1927.5	(dBm)	(dB)
5	QPSK	1	1	17.12	17.14	17.14	17.7	0.0

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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)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	Pi/2 BPSK	1	1	21.35	21.36	21.34	23.1	0.0
20	Pi/2 BPSK	1	53	21.31	21.34	21.34		
20	Pi/2 BPSK	1	104	21.29	21.29	21.32		
20	Pi/2 BPSK	50	0	21.36	21.34	21.29	23.1	0.0
20	Pi/2 BPSK	50	28	21.27	21.30	21.25	23.1	0.0
20	Pi/2 BPSK	50	56	21.27	21.28	21.21	23.1	0.0
20	Pi/2 BPSK	100	0	21.33	21.33	21.26		
20	QPSK	1	1	21.38	21.40	21.38		
20	QPSK	1	53	21.31	21.38	21.38	23.1	0.0
20	QPSK	1	104	21.33	21.30	21.31		
20	QPSK	50	0	21.29	21.34	21.32	23.1	0.0
20	QPSK	50	28	21.32	21.33	21.29	23.1	0.0
20	QPSK	50	56	21.32	21.35	21.26	23.1	0.0
20	QPSK	100	0	21.33	21.35	21.31		
20	16QAM	1	1	21.26	21.31	21.29	23.1	0.0
20	16QAM	1	1	20.71	20.74	21.6	17.5	1.5
20	256QAM	1	1	18.31	18.31	18.34	20.1	3.0
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1877.5	1890	1902.5	(dBm)	(dB)
15	QPSK	1	1	21.38	21.39	21.34	23.1	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1865	1890	1905	(dBm)	(dB)
10	QPSK	1	1	21.33	21.33	21.35	23.1	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1890	1927.5	(dBm)	(dB)
5	QPSK	1	1	21.29	2.31	21.35	23.1	0.0



n5 Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167900		
Frequency (MHz)				834	838.5	839		
20	Pi/2 BPSK	1	1	23.87	23.90	23.80	24.7	0.0
20	Pi/2 BPSK	1	53	23.75	23.90	23.90		
20	Pi/2 BPSK	1	104	23.74	23.88	23.69		
20	Pi/2 BPSK	50	0	23.32	23.48	23.40	24.2	0.5
20	Pi/2 BPSK	50	28	23.98	23.94	23.85	24.7	0.0
20	Pi/2 BPSK	50	56	23.49	23.55	23.47	24.2	0.5
20	Pi/2 BPSK	100	0	23.86	23.47	23.44		
20	QPSK	1	1	23.97	23.95	23.85		
20	QPSK	1	53	23.89	23.85	23.81	24.7	0.0
20	QPSK	1	104	23.83	23.87	23.82		
20	QPSK	50	0	23.42	23.42	23.57	24.7	0.0
20	QPSK	50	28	23.88	23.92	23.90	24.7	0.0
20	QPSK	50	56	23.99	23.49	23.53	24.7	0.0
20	QPSK	100	0	23.43	23.55	23.53		
20	16QAM	1	1	23.54	23.50	23.65	23.7	1.0
20	16QAM	1	1	22.08	21.92	21.88	22.2	2.5
20	256QAM	1	1	20.08	19.91	20.05	20.2	4.5
Channel				168300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.2	(dBm)	(dB)
15	QPSK	1	1	23.71	23.68	23.74	23.7	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.73	23.83	23.71	24.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.2	(dBm)	(dB)
5	QPSK	1	1	23.71	23.82	23.87	24.7	0.0

n5 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167900		
Frequency (MHz)				834	838.5	839		
20	Pi/2 BPSK	1	1	23.98	23.95	23.93	25.2	0.0
20	Pi/2 BPSK	1	53	23.77	23.95	23.83		
20	Pi/2 BPSK	1	104	23.90	23.92	23.88		
20	Pi/2 BPSK	50	0	23.70	23.77	23.71	24.7	0.5
20	Pi/2 BPSK	50	28	23.93	23.97	23.90	25.2	0.0
20	Pi/2 BPSK	50	56	23.40	23.40	23.34	24.7	0.5
20	Pi/2 BPSK	100	0	23.38	23.90	23.31		
20	QPSK	1	1	23.91	24.00	23.87		
20	QPSK	1	53	23.74	23.90	23.81	25.2	0.0
20	QPSK	1	104	23.89	23.96	23.78		
20	QPSK	50	0	23.45	23.50	23.49	24.2	1.0
20	QPSK	50	28	23.90	23.95	23.88	25.2	0.0
20	QPSK	50	56	23.96	23.99	23.92	24.2	1.0
20	QPSK	100	0	23.50	23.98	23.52		
20	16QAM	1	1	23.55	23.58	23.69	24.2	1.0
20	16QAM	1	1	22.08	22.00	22.05	22.7	2.5
20	256QAM	1	1	20.11	20.12	20.11	20.7	4.5
Channel				168300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.2	(dBm)	(dB)
15	QPSK	1	1	23.95	23.98	23.93	25.2	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.87	23.95	23.93	25.2	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.2	(dBm)	(dB)
5	QPSK	1	1	23.98	23.94	23.81	25.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	Pi/2 BPSK	1	1	18.63	18.72	18.67		
40	Pi/2 BPSK	1	108	18.66	18.68	18.60	20.0	0.0
40	Pi/2 BPSK	1	214	18.64	18.67	18.62		
40	Pi/2 BPSK	108	0	18.64	18.66	18.64	20.0	0.0
40	Pi/2 BPSK	108	54	18.63	18.69	18.60	20.0	0.0
40	Pi/2 BPSK	108	108	18.59	18.65	18.58	20.0	0.0
40	Pi/2 BPSK	216	0	18.65	18.67	18.65		
40	QPSK	1	1	18.66	18.75	18.65		
40	QPSK	1	108	18.66	18.73	18.66	20.0	0.0
40	QPSK	1	214	18.70	18.71	18.67		
40	QPSK	108	0	18.56	18.62	18.52	20.0	0.0
40	QPSK	108	54	18.63	18.69	18.62	20.0	0.0
40	QPSK	108	108	18.62	18.66	18.56	20.0	0.0
40	QPSK	216	0	18.63	18.69	18.60		
40	16QAM	1	1	18.61	18.69	18.61	20.0	0.0
40	16QAM	1	1	18.58	18.63	18.51	20.0	0.0
40	256QAM	1	1	18.32	18.33	18.25	19.0	1.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2530	2555	(dBm)	(dB)
30	QPSK	1	1	18.57	18.62	18.62	20.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	18.49	18.67	18.52	20.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	18.54	18.60	18.52	20.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	18.59	18.59	18.59	20.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	18.52	18.61	18.52	20.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2572.5	(dBm)	(dB)
5	QPSK	1	1	18.57	18.64	18.58	20.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	Pi/2 BPSK	1	1	23.01	23.15	23.16		
40	Pi/2 BPSK	1	108	23.00	23.17	23.10	24.7	0.0
40	Pi/2 BPSK	1	214	22.96	23.15	23.13		
40	Pi/2 BPSK	108	0	22.94	22.98	22.92	24.2	0.5
40	Pi/2 BPSK	108	54	23.15	23.16	23.16	24.7	0.0
40	Pi/2 BPSK	108	108	22.31	22.95	22.26	24.2	0.5
40	Pi/2 BPSK	216	0	22.25	22.93	22.16		
40	QPSK	1	1	23.10	23.20	23.09		
40	QPSK	1	108	23.01	23.14	22.98	24.7	0.0
40	QPSK	1	214	23.06	23.16	23.05		
40	QPSK	108	0	22.99	22.95	22.97	24.7	0.0
40	QPSK	108	54	23.09	23.19	23.11	24.7	0.0
40	QPSK	108	108	22.99	22.99	23.01	24.7	0.0
40	QPSK	216	0	22.91	22.98	22.95		
40	16QAM	1	1	22.73	22.85	22.63	23.7	1.0
40	16QAM	1	1	21.49	21.35	21.50	22.2	2.5
40	256QAM	1	1	19.44	19.33	19.44	20.2	4.5
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.94	23.16	23.12	24.7	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	23.01	23.01	23.05	24.7	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.93	23.11	23.10	24.7	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.92	23.14	23.05	24.7	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.97	23.17	23.00	24.7	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2572.5	(dBm)	(dB)
5	QPSK	1	1	22.97	23.19	23.12	24.7	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				50000	50700	51000		
Frequency (MHz)				2520	2536	2550		
40	Pi/2 BPSK	1	1	13.75	13.85	13.66	15.2	0.0
40	Pi/2 BPSK	1	108	13.72	13.80	13.75		
40	Pi/2 BPSK	1	214	13.84	13.81	13.66	15.2	0.0
40	Pi/2 BPSK	108	0	13.80	13.88	13.71		
40	Pi/2 BPSK	108	54	13.74	13.79	13.71	15.2	0.0
40	Pi/2 BPSK	108	108	13.70	13.84	13.71		
40	Pi/2 BPSK	216	0	13.88	13.86	13.75	15.2	0.0
40	QPSK	1	1	13.82	13.90	13.85		
40	QPSK	1	108	13.88	13.88	13.70	15.2	0.0
40	QPSK	108	0	13.72	13.84	13.81		
40	QPSK	108	54	13.81	13.88	13.83	15.2	0.0
40	QPSK	108	108	13.76	13.79	13.82		
40	QPSK	216	0	13.68	13.82	13.71	15.2	0.0
40	16QAM	1	1	13.71	13.77	13.62		
40	16QAM	1	1	13.71	13.79	13.70	15.2	0.0
40	256QAM	1	1	13.63	13.82	13.70		
Channel				50300	50700	51000	Tune-up limit	MPR
Frequency (MHz)				2516	2536	2550	(dBm)	(dB)
30	QPSK	1	1	13.68	13.84	13.82	15.2	0.0
Channel				50250	50700	51150	Tune-up limit	MPR
Frequency (MHz)				2512.5	2536	2557.5	(dBm)	(dB)
25	QPSK	1	1	13.74	13.77	13.69	15.2	0.0
Channel				50200	50700	51200	Tune-up limit	MPR
Frequency (MHz)				2510	2536	2550	(dBm)	(dB)
20	QPSK	1	1	13.63	13.83	13.72	15.2	0.0
Channel				50150	50700	51250	Tune-up limit	MPR
Frequency (MHz)				2507.5	2536	2557.5	(dBm)	(dB)
15	QPSK	1	1	13.68	13.75	13.74	15.2	0.0
Channel				50100	50700	51300	Tune-up limit	MPR
Frequency (MHz)				2505	2536	2550	(dBm)	(dB)
10	QPSK	1	1	13.79	13.78	13.71	15.2	0.0
Channel				50050	50700	51350	Tune-up limit	MPR
Frequency (MHz)				2502.5	2536	2557.5	(dBm)	(dB)
5	QPSK	1	1	13.72	13.90	13.80	15.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				50000	50700	51000		
Frequency (MHz)				2520	2536	2550		
40	Pi/2 BPSK	1	1	20.94	20.95	20.88	22.0	0.0
40	Pi/2 BPSK	1	108	20.90	20.97	20.92		
40	Pi/2 BPSK	1	214	20.76	20.85	20.85	22.0	0.0
40	Pi/2 BPSK	108	0	20.64	20.74	20.74		
40	Pi/2 BPSK	108	54	20.76	20.78	20.69	22.0	0.0
40	Pi/2 BPSK	108	108	20.85	20.90	20.80		
40	Pi/2 BPSK	216	0	20.81	20.81	20.74	22.0	0.0
40	QPSK	1	1	20.94	20.97	20.87		
40	QPSK	1	108	20.72	20.81	20.73	22.0	0.0
40	QPSK	1	214	20.74	20.88	20.75		
40	QPSK	108	0	20.67	20.75	20.73	22.0	0.0
40	QPSK	108	54	20.85	20.93	20.83		
40	QPSK	108	108	20.82	20.83	20.82	22.0	0.0
40	QPSK	216	0	20.75	20.84	20.80		
40	16QAM	1	1	20.48	20.55	20.47	22.0	0.0
40	16QAM	1	1	19.42	19.50	19.49		
40	256QAM	1	1	17.84	17.73	17.73	19.0	3.0
Channel				50300	50700	51100		
Frequency (MHz)				2516	2536	2550	(dBm)	(dB)
30	QPSK	1	1	20.82	20.87	20.84	22.0	0.0
Channel				50250	50700	51150	Tune-up limit	MPR
Frequency (MHz)				2512.5	2536	2557.5	(dBm)	(dB)
25	QPSK	1	1	20.76	20.79	20.85	22.0	0.0
Channel				50200	50700	51200	Tune-up limit	MPR
Frequency (MHz)				2510	2536	2550	(dBm)	(dB)
20	QPSK	1	1	20.69	20.84	20.85	22.0	0.0
Channel				50150	50700	51250	Tune-up limit	MPR
Frequency (MHz)				2507.5	2536	2557.5	(dBm)	(dB)
15	QPSK	1	1	20.74	20.84	20.84	22.0	0.0
Channel				50100	50700	51300	Tune-up limit	MPR
Frequency (MHz)				2505	2536	2550	(dBm)	(dB)
10	QPSK	1	1	20.74	20.91	20.87	22.0	0.0
Channel				50050	50700	51350	Tune-up limit	MPR
Frequency (MHz)				2502.5	2536	2557.5	(dBm)	(dB)
5	QPSK	1	1	20.70	20.87	20.89	22.0	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				1870	1882.5	1895		
40	PV2 BPSK	1	1	20.87	20.95	20.84		
40	PV2 BPSK	1	108	20.81	20.90	20.79	21.7	0.0
40	PV2 BPSK	1	214	20.77	20.88	20.87		
40	PV2 BPSK	108	0	20.76	20.94	20.94	21.7	0.0
40	PV2 BPSK	108	54	20.81	20.92	20.89	21.7	0.0
40	PV2 BPSK	108	108	20.84	20.89	20.81	21.7	0.0
40	PV2 BPSK	216	0	20.80	20.93	20.82		
40	QPSK	1	1	20.92	21.00	20.98		
40	QPSK	1	108	20.88	20.97	20.79	21.7	0.0
40	QPSK	1	214	20.88	20.94	20.90		
40	QPSK	108	0	20.90	20.90	20.81	21.7	0.0
40	QPSK	108	54	20.91	20.95	20.87	21.7	0.0
40	QPSK	108	108	20.88	20.85	20.83	21.7	0.0
40	QPSK	216	0	20.88	20.92	20.72		
40	16QAM	1	1	20.92	20.92	20.85	21.7	0.0
40	16QAM	1	1	20.87	20.91	20.87	21.7	0.0
40	256QAM	1	1	18.87	19.00	18.87	19.7	2.0
Channel				37600	37650	38000	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1900	(dBm)	(dB)
30	QPSK	1	1	20.74	20.99	20.90	21.7	0.0
Channel				37650	37650	38050	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1902.5	(dBm)	(dB)
25	QPSK	1	1	20.78	20.97	20.86	21.7	0.0
Channel				37600	37650	38100	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1905	(dBm)	(dB)
20	QPSK	1	1	20.78	20.89	20.92	21.7	0.0
Channel				37150	37650	38150	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1902.5	(dBm)	(dB)
15	QPSK	1	1	20.77	20.98	20.85	21.7	0.0
Channel				37100	37650	38200	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1910	(dBm)	(dB)
10	QPSK	1	1	20.79	20.89	20.89	21.7	0.0
Channel				37650	37650	38250	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1912.5	(dBm)	(dB)
5	QPSK	1	1	20.88	20.84	20.92	21.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				1870	1882.5	1895		
40	PV2 BPSK	1	1	24.09	24.22	24.19		
40	PV2 BPSK	1	108	24.11	24.15	23.98	25.2	0.0
40	PV2 BPSK	1	214	23.86	24.13	23.95		
40	PV2 BPSK	108	0	24.03	24.05	23.93	24.7	0.5
40	PV2 BPSK	108	54	24.04	24.17	24.09	25.2	0.0
40	PV2 BPSK	108	108	23.87	24.08	24.07	24.7	0.5
40	PV2 BPSK	216	0	23.99	24.10	23.92		
40	QPSK	1	1	24.20	24.25	24.18		
40	QPSK	1	108	24.14	24.18	24.03	25.2	0.0
40	QPSK	1	214	24.06	24.10	24.04		
40	QPSK	108	0	23.98	23.99	23.29	24.2	1.0
40	QPSK	108	54	24.13	24.24	24.21	25.2	0.0
40	QPSK	108	108	23.29	23.18	23.18	24.2	1.0
40	QPSK	216	0	23.15	23.22	23.20		
40	16QAM	1	1	23.19	23.45	23.19	24.2	1.0
40	16QAM	1	1	21.80	21.77	21.79	22.7	2.5
40	256QAM	1	1	19.92	19.90	19.78	20.7	4.5
Channel				37600	37650	38000	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1900	(dBm)	(dB)
30	QPSK	1	1	24.01	24.08	24.18	25.2	0.0
Channel				37650	37650	38050	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1902.5	(dBm)	(dB)
25	QPSK	1	1	23.91	24.05	24.03	25.2	0.0
Channel				37600	37650	38100	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1905	(dBm)	(dB)
20	QPSK	1	1	24.07	24.13	24.12	25.2	0.0
Channel				37150	37650	38150	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1902.5	(dBm)	(dB)
15	QPSK	1	1	23.99	24.10	24.19	25.2	0.0
Channel				37100	37650	38200	Tune-up limit	MPR
Frequency (MHz)				1895	1892.5	1910	(dBm)	(dB)
10	QPSK	1	1	23.95	24.11	24.04	25.2	0.0
Channel				37650	37650	38250	Tune-up limit	MPR
Frequency (MHz)				1892.5	1892.5	1912.5	(dBm)	(dB)
5	QPSK	1	1	24.03	24.18	24.18	25.2	0.0



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Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel	374000	376500	379000					
Frequency (MHz)	1870	1882.5	1895					
40	PV2 BPSK	1	1	16.96	17.10	16.92		
40	PV2 BPSK	1	108	17.01	17.05	16.91	17.7	0.0
40	PV2 BPSK	1	214	16.97	17.12	16.95		
40	PV2 BPSK	108	0	17.05	17.08	17.01	17.7	0.0
40	PV2 BPSK	108	54	16.98	17.15	17.10	17.7	0.0
40	PV2 BPSK	108	108	16.93	17.02	16.95	17.7	0.0
40	PV2 BPSK	216	0	16.92	17.00	16.99		
40	QPSK	1	1	17.11	17.18	17.14		
40	QPSK	1	108	16.93	17.11	17.09	17.7	0.0
40	QPSK	1	214	16.93	17.08	17.03		
40	QPSK	108	0	16.98	17.03	16.96	17.7	0.0
40	QPSK	108	54	16.91	17.05	16.91	17.7	0.0
40	QPSK	108	108	16.91	17.00	16.87	17.7	0.0
40	QPSK	216	0	16.91	17.01	16.93		
40	16QAM	1	1	17.00	17.11	17.09	17.7	0.0
40	16QAM	1	1	16.98	17.08	16.89	17.7	0.0
40	256QAM	1	1	16.98	17.06	16.87	17.7	0.0
Channel	376000	378500	381000	Tune-up limit	MPR			
Frequency (MHz)	1895	1892.5	1900	(dBm)	(dB)			
30	QPSK	1	1	16.96	17.00	16.88	17.7	0.0
Channel	376500	378500	380500	Tune-up limit	MPR			
Frequency (MHz)	1892.5	1892.5	1892.5	(dBm)	(dB)			
25	QPSK	1	1	17.04	17.15	17.03	17.7	0.0
Channel	377000	378500	381000	Tune-up limit	MPR			
Frequency (MHz)	1900	1892.5	1905	(dBm)	(dB)			
20	QPSK	1	1	17.02	17.15	17.03	17.7	0.0
Channel	377500	378500	381500	Tune-up limit	MPR			
Frequency (MHz)	1897.5	1892.5	1902.5	(dBm)	(dB)			
15	QPSK	1	1	17.09	16.99	17.05	17.7	0.0
Channel	378000	378500	382000	Tune-up limit	MPR			
Frequency (MHz)	1895	1892.5	1910	(dBm)	(dB)			
10	QPSK	1	1	16.97	17.16	17.05	17.7	0.0
Channel	378500	378500	382500	Tune-up limit	MPR			
Frequency (MHz)	1892.5	1892.5	1912.5	(dBm)	(dB)			
5	QPSK	1	1	17.06	17.02	17.09	17.7	0.0

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Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel	374000	376500	379000					
Frequency (MHz)	1870	1882.5	1895					
40	PV2 BPSK	1	1	21.91	21.94	21.86		
40	PV2 BPSK	1	108	21.93	21.97	21.78	23.1	0.0
40	PV2 BPSK	1	214	21.86	21.90	21.81		
40	PV2 BPSK	108	0	21.91	21.93	21.86	23.1	0.0
40	PV2 BPSK	108	54	21.86	21.94	21.84	23.1	0.0
40	PV2 BPSK	108	108	21.89	21.93	21.86	23.1	0.0
40	PV2 BPSK	216	0	21.88	21.88	21.81		
40	QPSK	1	1	21.89	21.89	21.86		
40	QPSK	1	108	21.84	21.89	21.89	23.1	0.0
40	QPSK	1	214	21.92	21.93	21.89		
40	QPSK	108	0	21.92	21.92	21.90	23.1	0.0
40	QPSK	108	54	21.88	21.95	21.94	23.1	0.0
40	QPSK	108	108	21.85	21.89	21.81	23.1	0.0
40	QPSK	216	0	21.86	21.93	21.85		
40	16QAM	1	1	21.35	21.44	21.38	23.1	0.0
40	16QAM	1	1	20.29	20.32	20.29	21.6	1.5
40	256QAM	1	1	16.48	16.54	16.44	16.6	3.5
Channel	376000	378500	381000	Tune-up limit	MPR			
Frequency (MHz)	1895	1892.5	1900	(dBm)	(dB)			
30	QPSK	1	1	21.82	21.94	21.87	23.1	0.0
Channel	376500	378500	380500	Tune-up limit	MPR			
Frequency (MHz)	1892.5	1892.5	1892.5	(dBm)	(dB)			
25	QPSK	1	1	21.78	21.89	21.82	23.1	0.0
Channel	377000	378500	381000	Tune-up limit	MPR			
Frequency (MHz)	1900	1892.5	1905	(dBm)	(dB)			
20	QPSK	1	1	21.79	21.87	21.82	23.1	0.0
Channel	377500	378500	381500	Tune-up limit	MPR			
Frequency (MHz)	1897.5	1892.5	1902.5	(dBm)	(dB)			
15	QPSK	1	1	21.78	21.88	21.78	23.1	0.0
Channel	378000	378500	382000	Tune-up limit	MPR			
Frequency (MHz)	1895	1892.5	1910	(dBm)	(dB)			
10	QPSK	1	1	21.90	21.83	21.86	23.1	0.0
Channel	378500	378500	382500	Tune-up limit	MPR			
Frequency (MHz)	1892.5	1892.5	1912.5	(dBm)	(dB)			
5	QPSK	1	1	21.82	21.88	21.75	23.1	0.0



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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)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	Pv2 BPSK	1	1	19.10	19.02	19.10	20.5	0.0
10	Pv2 BPSK	1	26	19.02	19.02	19.02		
10	Pv2 BPSK	1	50	19.09	19.09	19.09		
10	Pv2 BPSK	25	0	19.00	19.00	19.00	20.5	0.0
10	Pv2 BPSK	25	14	19.05	19.05	19.05	20.5	0.0
10	Pv2 BPSK	25	27	19.11	19.11	19.11	20.5	0.0
10	Pv2 BPSK	50	0	19.07	19.07	19.07	20.5	0.0
10	QPSK	1	1	19.13	19.13	19.13		
10	QPSK	1	26	19.13	19.13	19.13	20.5	0.0
10	QPSK	1	50	19.15	19.15	19.15		
10	QPSK	25	0	19.11	19.11	19.11	20.5	0.0
10	QPSK	25	14	19.16	19.16	19.16	20.5	0.0
10	QPSK	25	27	19.08	19.08	19.08	20.5	0.0
10	QPSK	50	0	19.02	19.02	19.02	20.5	0.0
10	16QAM	1	1	19.00	19.00	19.00	20.5	0.0
10	16QAM	1	1	19.10	19.10	19.10	20.5	0.0
10	256QAM	1	1	19.15	19.15	19.15	19.5	1.0
Channel				461500	462000	462500	Tune-up limit	MPR
Frequency (MHz)				2077.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	20.15	20.12	20.17	20.5	0.0

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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)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	Pv2 BPSK	1	1	23.53	23.53	23.53		
10	Pv2 BPSK	1	26	23.55	23.55	23.55	24.7	0.0
10	Pv2 BPSK	1	50	23.49	23.49	23.49		
10	Pv2 BPSK	25	0	21.49	21.49	21.49	24.2	0.5
10	Pv2 BPSK	25	14	23.49	23.49	23.49	24.7	0.0
10	Pv2 BPSK	25	27	21.41	21.41	21.41	24.2	0.5
10	Pv2 BPSK	50	0	21.47	21.47	21.47	24.2	0.5
10	QPSK	1	1	24.13	24.13	24.13		
10	QPSK	1	26	24.00	24.00	24.00	24.7	0.0
10	QPSK	1	50	21.86	21.86	21.86		
10	QPSK	25	0	22.92	22.92	22.92	23.7	1.0
10	QPSK	25	14	24.00	24.00	24.00	24.7	0.0
10	QPSK	25	27	21.97	21.97	21.97	23.7	1.0
10	QPSK	50	0	21.93	21.93	21.93	23.7	1.0
10	16QAM	1	1	22.92	22.92	22.92	23.7	1.0
10	16QAM	1	1	21.52	21.52	21.52	22.2	2.5
10	256QAM	1	1	19.22	19.22	19.22	20.2	4.5
Channel				461500	462000	462500	Tune-up limit	MPR
Frequency (MHz)				2077.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	23.82	23.82	23.82	24.7	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	18.76	18.76	18.72	20.2	0.0
40	Pi/2 BPSK	1	108	18.68	18.72	18.66		
40	Pi/2 BPSK	1	214	18.74	18.79	18.61		
40	Pi/2 BPSK	108	0	18.58	18.75	18.57	20.2	0.0
40	Pi/2 BPSK	108	54	18.62	18.77	18.65	20.2	0.0
40	Pi/2 BPSK	108	108	18.59	18.70	18.70	20.2	0.0
40	Pi/2 BPSK	216	0	18.67	18.73	18.56		
40	QPSK	1	1	18.65	18.62	18.65		
40	QPSK	1	108	18.74	18.75	18.72	20.2	0.0
40	QPSK	1	214	18.61	18.72	18.59		
40	QPSK	108	0	18.58	18.73	18.55	20.2	0.0
40	QPSK	108	54	18.74	18.80	18.77	20.2	0.0
40	QPSK	108	108	18.53	18.69	18.89	20.2	0.0
40	QPSK	216	0	18.58	18.74	18.69		
40	16QAM	1	1	18.60	18.72	18.63	20.2	0.0
40	16QAM	1	1	18.64	18.65	18.84	20.2	0.0
40	256QAM	1	1	18.50	18.62	18.53	20.2	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	18.58	18.79	18.57	20.2	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dB)	(dB)
25	QPSK	1	1	18.59	18.76	18.59	20.2	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	18.67	18.76	18.61	20.2	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	18.73	18.69	18.74	20.2	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	18.72	18.78	18.59	20.2	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	18.58	18.74	18.74	20.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	23.27	23.37	23.32	25.2	0.0
40	Pi/2 BPSK	1	108	23.14	23.35	23.10		
40	Pi/2 BPSK	1	214	23.18	23.26	23.22		
40	Pi/2 BPSK	108	0	22.82	22.82	22.70	24.7	0.5
40	Pi/2 BPSK	108	54	23.81	23.85	23.81	25.2	0.0
40	Pi/2 BPSK	108	108	22.54	22.70	22.53	24.7	0.5
40	Pi/2 BPSK	216	0	22.85	22.85	22.76		
40	QPSK	1	1	24.27	24.30	24.27		
40	QPSK	1	108	24.11	24.34	24.08	25.2	0.0
40	QPSK	1	214	24.12	24.26	24.11		
40	QPSK	108	0	23.16	23.33	23.17	24.2	1.0
40	QPSK	108	54	24.17	24.28	24.25	25.2	0.0
40	QPSK	108	108	23.27	23.30	23.11	24.2	1.0
40	QPSK	216	0	23.10	23.35	23.13		
40	16QAM	1	1	23.12	23.22	23.21	24.2	1.0
40	16QAM	1	1	21.85	21.80	21.62	22.7	2.5
40	256QAM	1	1	19.83	20.00	19.97	20.7	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dB)	(dB)
30	QPSK	1	1	24.24	24.24	24.30	25.2	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dB)	(dB)
25	QPSK	1	1	24.27	24.23	24.27	25.2	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dB)	(dB)
20	QPSK	1	1	24.32	24.32	24.26	25.2	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dB)	(dB)
15	QPSK	1	1	24.29	24.23	24.25	25.2	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dB)	(dB)
10	QPSK	1	1	24.21	24.24	24.30	25.2	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dB)	(dB)
5	QPSK	1	1	24.25	24.24	24.29	25.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				345000	349000	353000		
40	Pi/2 BPSK	1	1	15.87	15.90	15.87		
40	Pi/2 BPSK	1	108	15.92	15.88	15.72	16.7	0.0
40	Pi/2 BPSK	1	214	15.73	15.92	15.90		
40	Pi/2 BPSK	108	0	15.78	15.85	15.81	16.7	0.0
40	Pi/2 BPSK	108	54	15.80	15.84	15.79	16.7	0.0
40	Pi/2 BPSK	108	108	15.85	15.87	15.78	16.7	0.0
40	Pi/2 BPSK	216	0	15.74	15.89	15.81		
40	QPSK	1	1	15.97	15.90	15.96		
40	QPSK	1	108	15.85	15.90	15.81	16.7	0.0
40	QPSK	1	214	15.85	15.92	15.74		
40	QPSK	108	0	15.72	15.85	15.69	16.7	0.0
40	QPSK	108	54	15.78	15.93	15.84	16.7	0.0
40	QPSK	108	108	15.87	15.81	15.77	16.7	0.0
40	QPSK	216	0	15.78	15.89	15.88		
40	16QAM	1	1	15.83	15.94	15.79	16.7	0.0
40	16QAM	1	1	15.83	15.94	15.88	16.7	0.0
40	256QAM	1	1	15.88	15.90	15.83	16.7	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	15.92	15.92	15.93	16.7	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	15.78	15.98	15.84	16.7	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	15.83	15.84	15.94	16.7	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	15.78	15.96	15.87	16.7	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	15.86	15.83	15.85	16.7	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	15.87	15.85	15.92	16.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				345000	349000	353000		
40	Pi/2 BPSK	1	1	20.50	20.55	20.47		
40	Pi/2 BPSK	1	108	20.38	20.45	20.38	22.2	0.0
40	Pi/2 BPSK	1	214	20.47	20.49	20.42		
40	Pi/2 BPSK	108	0	20.46	20.51	20.47	22.2	0.0
40	Pi/2 BPSK	108	54	20.42	20.51	20.40	22.2	0.0
40	Pi/2 BPSK	108	108	20.49	20.52	20.40	22.2	0.0
40	Pi/2 BPSK	216	0	20.46	20.56	20.48		
40	QPSK	1	1	20.55	20.54	20.58		
40	QPSK	1	108	20.39	20.48	20.38	22.2	0.0
40	QPSK	1	214	20.43	20.52	20.43		
40	QPSK	108	0	20.46	20.48	20.42	22.2	0.0
40	QPSK	108	54	20.55	20.60	20.56	22.2	0.0
40	QPSK	108	108	20.58	20.59	20.49	22.2	0.0
40	QPSK	216	0	20.51	20.53	20.47		
40	16QAM	1	1	20.07	20.17	20.12	22.2	0.0
40	16QAM	1	1	20.46	20.56	20.42	22.2	1.5
40	256QAM	1	1	18.00	18.09	18.58	19.2	3.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	20.47	20.48	20.45	22.2	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	20.43	20.45	20.49	22.2	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.42	20.49	20.47	22.2	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.46	20.47	20.53	22.2	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.46	20.49	20.55	22.2	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.45	20.52	20.48	22.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				134600	136100	137600		
20	PI2 BPSK	1	1	22.72	22.77	22.70		
20	PI2 BPSK	1	53	22.83	22.88	22.81	24.2	0.0
20	PI2 BPSK	1	104	22.82	22.88	22.83		
20	PI2 BPSK	50	0	22.80	22.70	22.88	24.2	0.0
20	PI2 BPSK	50	28	22.88	22.71	22.89	24.2	0.0
20	PI2 BPSK	50	56	22.70	22.71	22.82	24.2	0.0
20	PI2 BPSK	100	0	22.71	22.73	22.82		
20	QPSK	1	1	23.71	23.78	23.69		
20	QPSK	1	53	23.59	23.87	23.82	24.2	0.0
20	QPSK	1	104	23.80	23.85	23.80		
20	QPSK	50	0	23.20	23.22	23.17	23.7	0.5
20	QPSK	50	28	23.55	23.65	23.54	24.2	0.0
20	QPSK	50	56	23.07	23.14	23.10	23.7	0.5
20	QPSK	100	0	23.11	23.12	23.09		
20	16QAM	1	1	23.24	23.33	23.23	23.7	0.5
20	16QAM	1	1	23.95	22.05	21.99	22.2	2.0
20	256QAM	1	1	19.84	19.88	19.80	20.2	4.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	(dBm)	(dB)
15	QPSK	1	1	23.85	23.72	23.68	24.2	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.83	23.76	23.81	24.2	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				663	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	23.70	23.69	23.65	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				134600	136100	137600		
20	PI2 BPSK	1	1	23.30	23.35	23.28		
20	PI2 BPSK	1	53	23.22	23.30	23.33	25.2	0.0
20	PI2 BPSK	1	104	23.23	23.26	23.23		
20	PI2 BPSK	50	0	23.17	23.20	23.20	24.7	0.5
20	PI2 BPSK	50	28	23.39	23.33	23.23	25.2	0.0
20	PI2 BPSK	50	56	23.99	23.10	23.01	24.7	0.5
20	PI2 BPSK	100	0	23.12	23.15	23.01		
20	QPSK	1	1	24.29	24.32	24.19		
20	QPSK	1	53	24.08	24.25	24.17	25.2	0.0
20	QPSK	1	104	24.12	24.20	24.17		
20	QPSK	50	0	23.35	23.52	23.38	24.2	1.0
20	QPSK	50	28	24.28	24.30	24.18	25.2	0.0
20	QPSK	50	56	23.22	23.40	23.37	24.2	1.0
20	QPSK	100	0	23.29	23.43	23.30		
20	16QAM	1	1	23.43	23.50	23.41	24.2	1.0
20	16QAM	1	1	21.84	22.00	21.98	22.7	2.5
20	256QAM	1	1	20.01	20.01	19.83	20.7	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	(dBm)	(dB)
15	QPSK	1	1	24.23	24.19	24.19	25.2	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	24.18	24.20	24.13	25.2	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				663	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	24.16	24.24	24.19	25.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				512000	519000	520000		
Frequency (MHz)				2585	2595	2605		
30	Pi2 BPSK	1	1	20.18	20.20	20.18	21.2	0.0
30	Pi2 BPSK	1	40	19.99	20.18	20.12		
30	Pi2 BPSK	1	77	20.12	20.15	20.08		
30	Pi2 BPSK	36	0	20.06	20.13	20.05	21.2	0.0
30	Pi2 BPSK	36	22	20.07	20.10	19.95	21.2	0.0
30	Pi2 BPSK	36	43	20.02	20.12	20.02	21.2	0.0
30	Pi2 BPSK	75	0	20.08	20.09	20.00		
30	QPSK	1	1	20.09	20.26	20.16		
30	QPSK	1	40	20.14	20.20	20.19	21.2	0.0
30	QPSK	1	77	20.17	20.21	20.20		
30	QPSK	36	0	20.01	20.17	19.99		
30	QPSK	36	22	20.17	20.22	20.19	21.2	0.0
30	QPSK	36	43	19.97	20.15	20.02		
30	QPSK	75	0	20.15	20.20	20.15	21.2	0.0
30	16QAM	1	1	20.07	20.12	19.95	21.2	0.0
30	16QAM	1	1	20.05	20.08	19.99	21.2	0.0
30	256QAM	1	1	17.78	17.90	17.84	19.2	2.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2590	2595	2610	(dBm)	(dB)
20	QPSK	1	1	20.11	20.21	20.03	21.2	0.0
Channel				515500	519000	522500	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	20.17	20.08	20.12	21.2	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	20.22	20.11	20.14	21.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				519000	519000	520000		
Frequency (MHz)				2585	2595	2605		
30	Pi2 BPSK	1	1	24.19	24.22	24.09	25.2	0.0
30	Pi2 BPSK	1	40	24.10	24.11	23.98		
30	Pi2 BPSK	1	77	24.06	24.09	24.07		
30	Pi2 BPSK	36	0	23.30	23.33	23.31	24.7	0.5
30	Pi2 BPSK	36	22	24.01	24.07	23.99	25.2	0.0
30	Pi2 BPSK	36	43	23.23	23.36	23.29	24.7	0.5
30	Pi2 BPSK	75	0	23.18	23.25	23.13		
30	QPSK	1	1	24.15	24.25	24.20		
30	QPSK	1	40	24.10	24.10	24.10	25.2	0.0
30	QPSK	1	77	24.11	24.13	24.11		
30	QPSK	36	0	23.69	23.80	23.72		
30	QPSK	36	22	24.10	24.11	24.02	25.2	0.0
30	QPSK	36	43	23.78	23.82	23.86		
30	QPSK	75	0	23.45	23.55	23.38	25.2	1.0
30	16QAM	1	1	23.50	23.60	23.48	25.2	1.0
30	16QAM	1	1	22.29	22.30	22.30	25.2	2.5
30	256QAM	1	1	20.10	20.25	20.23	23.2	4.5
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2598	2595	2610	(dBm)	(dB)
20	QPSK	1	1	24.11	24.12	24.02	25.2	0.0
Channel				515500	519000	522500	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	1	24.03	24.03	23.95	25.2	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	24.16	24.05	24.03	25.2	0.0



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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)	MPR (dB)
Channel				512000	519000	520000		
Frequency (MHz)				2585	2595	2605		
30	Pv2 BPSK	1	1	14.08	14.20	14.12	15.2	0.0
30	Pv2 BPSK	1	40	13.96	14.12	14.08		
30	Pv2 BPSK	1	77	14.15	14.15	14.08		
30	Pv2 BPSK	36	0	14.03	14.09	14.04	15.2	0.0
30	Pv2 BPSK	36	22	14.09	14.17	14.01	15.2	0.0
30	Pv2 BPSK	36	43	14.05	14.12	13.95	15.2	0.0
30	Pv2 BPSK	75	0	14.05	14.20	14.11		
30	QPSK	1	1	14.10	14.25	14.09		
30	QPSK	1	40	14.12	14.22	14.12	15.2	0.0
30	QPSK	1	77	14.11	14.18	14.02		
30	QPSK	36	0	14.13	14.15	14.11		
30	QPSK	36	22	14.12	14.20	14.11	15.2	0.0
30	QPSK	36	43	14.09	14.11	13.99	15.2	0.0
30	QPSK	75	0	13.95	14.08	14.00	15.2	0.0
30	16QAM	1	1	13.83	14.02	13.87	15.2	0.0
30	16QAM	1	1	14.09	14.15	14.00	15.2	0.0
30	256QAM	1	1	13.97	14.12	14.04	15.2	0.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2590	2595	2610	(dB)	(dB)
20	QPSK	1	1	13.96	14.23	14.02	15.2	0.0
Channel				515500	519000	522500	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dB)	(dB)
15	QPSK	1	1	14.08	14.19	13.91	15.2	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dB)	(dB)
10	QPSK	1	1	14.04	14.23	13.92	15.2	0.0

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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)	MPR (dB)
Channel				517000	519000	520000		
Frequency (MHz)				2585	2595	2605		
30	Pv2 BPSK	1	1	21.71	21.79	21.77	23.0	0.0
30	Pv2 BPSK	1	40	21.59	21.64	21.55		
30	Pv2 BPSK	1	77	21.58	21.65	21.62		
30	Pv2 BPSK	36	0	21.65	21.68	21.67	23.0	0.0
30	Pv2 BPSK	36	22	21.59	21.59	21.57	23.0	0.0
30	Pv2 BPSK	36	43	21.49	21.58	21.57	23.0	0.0
30	Pv2 BPSK	75	0	21.63	21.63	21.53		
30	QPSK	1	1	21.72	21.82	21.77		
30	QPSK	1	40	21.54	21.59	21.58	23.0	0.0
30	QPSK	1	77	21.52	21.57	21.51		
30	QPSK	36	0	21.59	21.61	21.52		
30	QPSK	36	22	21.65	21.72	21.68	23.0	0.0
30	QPSK	36	43	21.53	21.62	21.61	23.0	0.0
30	QPSK	75	0	21.57	21.63	21.57	23.0	0.0
30	16QAM	1	1	21.49	21.59	21.52	23.0	0.0
30	16QAM	1	1	21.49	21.55	21.34	21.5	1.5
30	256QAM	1	1	19.71	19.78	19.72	20.0	3.0
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2590	2595	2610	(dB)	(dB)
20	QPSK	1	1	21.84	21.63	21.64	23.0	0.0
Channel				515500	519000	522500	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dB)	(dB)
15	QPSK	1	1	21.71	21.61	21.73	23.0	0.0
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dB)	(dB)
10	QPSK	1	1	21.71	21.70	21.68	23.0	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				506002	518998	528000	2640	
100	PV2 BPSK	1	1	20.48	20.65	20.48		
100	PV2 BPSK	1	137	20.46	20.52	20.45		
100	PV2 BPSK	1	271	20.50	20.59	20.50		
100	PV2 BPSK	135	0	20.41	20.60	20.50	21.2	0.0
100	PV2 BPSK	135	69	20.51	20.57	20.55	21.2	0.0
100	PV2 BPSK	135	138	20.54	20.62	20.55	21.2	0.0
100	PV2 BPSK	270	0	20.46	20.59	20.40		
100	QPSK	1	1	20.60	20.70	20.58		
100	QPSK	1	137	20.46	20.55	20.55	21.2	0.0
100	QPSK	135	0	20.53	20.60	20.54		
100	QPSK	135	69	20.58	20.62	20.62		
100	QPSK	135	69	20.56	20.66	20.54	21.2	0.0
100	QPSK	135	271	20.41	20.57	20.57		
100	QPSK	270	0	20.38	20.51	20.38	21.2	0.0
100	16QAM	1	1	20.26	20.45	20.29	21.2	0.0
100	16QAM	1	1	18.85	18.90	18.92	20.7	0.5
100	16QAM	1	1	17.82	17.79	17.77	18.7	2.5
Channel				506200	518998	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.89	(dBm)	(dB)
90	QPSK	1	1	20.58	20.55	20.45	21.2	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2551.02	2592.99	2648.89	(dBm)	(dB)
80	QPSK	1	1	20.54	20.55	20.50	21.2	0.0
Channel				506202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2541.03	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.46	20.68	20.42	21.2	0.0
Channel				505200	518998	531996	Tune-up limit	MPR
Frequency (MHz)				2550	2592.99	2669.89	(dBm)	(dB)
60	QPSK	1	1	20.53	20.62	20.53	21.2	0.0
Channel				504204	518998	532998	Tune-up limit	MPR
Frequency (MHz)				2541.02	2592.99	2674.89	(dBm)	(dB)
50	QPSK	1	1	20.41	20.61	20.57	21.2	0.0
Channel				503202	518998	534000	Tune-up limit	MPR
Frequency (MHz)				2541.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.59	20.60	20.50	21.2	0.0
Channel				502200	518998	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.88	(dBm)	(dB)
30	QPSK	1	1	20.49	20.58	20.58	21.2	0.0
Channel				501204	518998	535998	Tune-up limit	MPR
Frequency (MHz)				2508.02	2592.99	2679.88	(dBm)	(dB)
20	QPSK	1	1	20.58	20.64	20.53	21.2	0.0
Channel				500200	518998	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.45	(dBm)	(dB)
15	QPSK	1	1	20.50	20.63	20.45	21.2	0.0
Channel				500202	518998	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.47	20.55	20.48	21.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				506001	518998	528000	2640	
100	PV2 BPSK	1	1	23.20	23.32	23.24		
100	PV2 BPSK	1	137	23.25	23.30	23.29	24.2	0.0
100	PV2 BPSK	1	271	23.20	23.22	23.22		
100	PV2 BPSK	135	0	23.04	23.15	23.02	23.7	0.5
100	PV2 BPSK	135	69	23.25	23.27	23.23	24.2	0.0
100	PV2 BPSK	135	138	23.11	23.30	23.18	23.7	0.5
100	PV2 BPSK	270	0	22.82	22.92	22.88		
100	QPSK	1	1	23.30	23.35	23.28		
100	QPSK	1	137	23.09	23.22	23.22	24.2	0.0
100	QPSK	135	0	23.03	23.18	23.12		
100	QPSK	135	69	23.04	23.12	23.01		
100	QPSK	135	69	23.09	23.25	23.18	24.2	0.0
100	QPSK	135	138	23.08	23.10	23.10		
100	QPSK	270	0	22.81	22.85	22.80	24.2	1.0
100	16QAM	1	1	22.77	22.85	22.70	24.2	1.0
100	16QAM	1	1	21.15	21.20	21.22	23.7	2.5
100	16QAM	1	1	18.98	18.90	18.85	21.7	4.5
Channel				506200	518998	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.88	(dBm)	(dB)
90	QPSK	1	1	23.01	23.29	23.13	24.2	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2551.02	2592.99	2648.89	(dBm)	(dB)
80	QPSK	1	1	23.20	23.24	23.13	24.2	0.0
Channel				506202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2541.03	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	23.07	23.18	23.15	24.2	0.0
Channel				505200	518998	531996	Tune-up limit	MPR
Frequency (MHz)				2550	2592.99	2669.89	(dBm)	(dB)
60	QPSK	1	1	23.05	23.22	23.11	24.2	0.0
Channel				504204	518998	532998	Tune-up limit	MPR
Frequency (MHz)				2541.02	2592.99	2674.89	(dBm)	(dB)
50	QPSK	1	1	23.09	23.17	23.23	24.2	0.0
Channel				503202	518998	534000	Tune-up limit	MPR
Frequency (MHz)				2541.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.20	23.15	23.12	24.2	0.0
Channel				502200	518998	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.88	(dBm)	(dB)
30	QPSK	1	1	23.14	23.13	23.12	24.2	0.0
Channel				501204	518998	535998	Tune-up limit	MPR
Frequency (MHz)				2508.02	2592.99	2679.88	(dBm)	(dB)
20	QPSK	1	1	23.20	23.17	23.18	24.2	0.0
Channel				500200	518998	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.45	(dBm)	(dB)
15	QPSK	1	1	23.09	23.26	23.09	24.2	0.0
Channel				500202	518998	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.17	23.22	23.15	24.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				5090.02	5189.98	5289.98		
100	Pi/2 BPSK	1	1	2548.01	2592.99	2640		
100	Pi/2 BPSK	1	1	14.08	14.20	14.06		
100	Pi/2 BPSK	1	137	14.02	14.19	14.02	15.2	0.0
100	Pi/2 BPSK	1	271	14.24	14.24	14.13		
100	Pi/2 BPSK	135	0	14.25	14.30	14.24	15.2	0.0
100	Pi/2 BPSK	135	69	14.10	14.17	14.01	15.2	0.0
100	Pi/2 BPSK	135	138	14.10	14.20	14.14	15.2	0.0
100	Pi/2 BPSK	270	0	14.17	14.22	14.18		
100	QPSK	1	1	14.20	14.31	14.25		
100	QPSK	1	137	13.95	14.13	14.05	15.2	0.0
100	QPSK	135	271	14.08	14.09	13.91		
100	QPSK	135	0	14.13	14.15	14.13		
100	QPSK	135	69	14.06	14.20	14.02	15.2	0.0
100	QPSK	135	138	14.03	14.11	14.09	15.2	0.0
100	QPSK	270	0	14.24	14.25	14.09	15.2	0.0
100	16QAM	1	1	14.28	14.30	14.16	15.2	0.0
100	16QAM	1	1	14.15	14.15	14.07	15.2	0.0
100	256QAM	1	1	14.09	14.20	14.05	15.2	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.89	(dBm)	(dB)
90	QPSK	1	1	14.06	14.15	14.15	15.2	0.0
Channel				507204	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2648.89	(dBm)	(dB)
80	QPSK	1	1	14.08	14.20	14.07	15.2	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2652	(dBm)	(dB)
70	QPSK	1	1	14.02	14.27	14.23	15.2	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2660.89	(dBm)	(dB)
60	QPSK	1	1	14.07	14.28	14.12	15.2	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.01	2592.99	2668.89	(dBm)	(dB)
50	QPSK	1	1	14.06	14.24	14.14	15.2	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2676	(dBm)	(dB)
40	QPSK	1	1	14.05	14.27	14.10	15.2	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.88	(dBm)	(dB)
30	QPSK	1	1	14.07	14.27	14.19	15.2	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.89	(dBm)	(dB)
20	QPSK	1	1	14.01	14.20	14.15	15.2	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2501.5	2592.99	2682.44	(dBm)	(dB)
15	QPSK	1	1	14.01	14.22	14.25	15.2	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	14.19	14.19	14.19	15.2	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				5090.01	5189.99	5289.99		
100	Pi/2 BPSK	1	1	20.46	20.65	20.48		
100	Pi/2 BPSK	1	137	20.46	20.52	20.45	21.2	0.0
100	Pi/2 BPSK	1	271	20.50	20.99	20.50		
100	Pi/2 BPSK	135	0	20.41	20.60	20.50	21.2	0.0
100	Pi/2 BPSK	135	69	20.51	20.57	20.52	21.2	0.0
100	Pi/2 BPSK	135	138	20.54	20.82	20.55	21.2	0.0
100	Pi/2 BPSK	270	0	20.46	20.59	20.40		
100	QPSK	1	1	20.60	20.70	20.58		
100	QPSK	1	137	20.46	20.55	20.55	21.2	0.0
100	QPSK	135	271	20.53	20.60	20.54		
100	QPSK	135	0	20.56	20.62	20.52	21.2	0.0
100	QPSK	135	69	20.56	20.66	20.54	21.2	0.0
100	QPSK	135	138	20.41	20.57	20.57	21.2	0.0
100	QPSK	270	0	20.39	20.51	20.39	21.2	0.0
100	16QAM	1	1	20.26	20.45	20.29	21.2	0.0
100	16QAM	1	1	19.95	19.90	19.92	20.7	0.5
100	256QAM	1	1	17.92	17.79	17.77	19.7	2.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2041	2092.99	2144.89	(dBm)	(dB)
90	QPSK	1	1	20.58	20.58	20.45	21.2	0.0
Channel				507204	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2036.02	2092.99	2148.89	(dBm)	(dB)
80	QPSK	1	1	20.54	20.55	20.50	21.2	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2031.01	2092.99	2152	(dBm)	(dB)
70	QPSK	1	1	20.46	20.68	20.42	21.2	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2026	2092.99	2160.89	(dBm)	(dB)
60	QPSK	1	1	20.53	20.62	20.53	21.2	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2021.01	2092.99	2168.89	(dBm)	(dB)
50	QPSK	1	1	20.41	20.61	20.57	21.2	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2016.01	2092.99	2176	(dBm)	(dB)
40	QPSK	1	1	20.59	20.60	20.50	21.2	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2011	2092.99	2174.88	(dBm)	(dB)
30	QPSK	1	1	20.49	20.58	20.58	21.2	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2006.02	2092.99	2179.89	(dBm)	(dB)
20	QPSK	1	1	20.58	20.64	20.53	21.2	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2001.5	2092.99	2182.44	(dBm)	(dB)
15	QPSK	1	1	20.50	20.63	20.45	21.2	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2001.01	2092.99	2185	(dBm)	(dB)
10	QPSK	1	1	19.47	20.55	20.48	21.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				506002	518598	528000	2640	
100	Pi2 BPSK	1	1	25.79	25.80	25.74		
100	Pi2 BPSK	1	137	25.98	25.25	25.08		
100	Pi2 BPSK	1	271	25.45	25.64	25.53		
100	Pi2 BPSK	135	0	25.34	25.44	25.25	26.2	0.5
100	Pi2 BPSK	135	69	25.22	25.40	25.25	26.7	0.0
100	Pi2 BPSK	135	138	24.58	24.73	24.60	26.2	0.5
100	Pi2 BPSK	270	0	25.32	25.45	25.42		
100	QPSK	1	1	25.74	25.92	25.72		
100	QPSK	1	137	24.81	24.92	24.78	26.7	0.0
100	QPSK	135	271	24.85	24.89	24.79		
100	QPSK	135	0	24.85	24.80	24.85		
100	QPSK	135	69	24.90	24.95	24.93	26.7	0.0
100	QPSK	135	138	23.85	23.77	23.72		
100	QPSK	270	0	24.23	24.33	24.15	26.7	1.0
100	16QAM	1	1	24.41	24.55	24.54	26.7	1.0
100	16QAM	1	1	23.53	23.60	23.55	26.2	2.5
100	256QAM	1	1	21.43	21.44	21.37	25.2	4.5
Channel				506200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.89	2644.86	(dBm)	(dB)
90	QPSK	1	1	25.72	25.90	25.59	25.7	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2551.02	2592.89	2645.89	(dBm)	(dB)
80	QPSK	1	1	25.84	25.66	25.63	26.7	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2583.03	2592.89	2655	(dBm)	(dB)
70	QPSK	1	1	25.63	25.66	25.61	26.7	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2560	2592.89	2650.88	(dBm)	(dB)
60	QPSK	1	1	25.63	25.80	25.68	26.7	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2548.02	2592.89	2644.86	(dBm)	(dB)
50	QPSK	1	1	25.68	25.77	25.73	26.7	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2548.01	2592.89	2670	(dBm)	(dB)
40	QPSK	1	1	25.62	25.67	25.58	26.7	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.89	2674.88	(dBm)	(dB)
30	QPSK	1	1	25.74	25.80	25.87	26.7	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2508.02	2592.89	2679.85	(dBm)	(dB)
20	QPSK	1	1	25.64	25.63	25.61	26.7	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.89	2682.45	(dBm)	(dB)
15	QPSK	1	1	25.61	25.77	25.60	26.7	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.89	2685	(dBm)	(dB)
10	QPSK	1	1	25.70	25.74	25.64	26.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				506002	518598	528000	2640	
100	Pi2 BPSK	1	1	14.08	14.20	14.06		
100	Pi2 BPSK	1	137	14.02	14.19	14.02	15.2	0.0
100	Pi2 BPSK	1	271	14.24	14.24	14.13		
100	Pi2 BPSK	135	0	14.25	14.30	14.24	15.2	0.0
100	Pi2 BPSK	135	69	14.10	14.17	14.01	15.2	0.0
100	Pi2 BPSK	135	138	14.10	14.20	14.14	15.2	0.0
100	Pi2 BPSK	270	0	14.17	14.22	14.16		
100	QPSK	1	1	14.20	14.31	14.25		
100	QPSK	1	137	13.95	14.13	14.05	15.2	0.0
100	QPSK	135	271	14.08	14.09	13.91		
100	QPSK	135	0	14.13	14.15	14.13		
100	QPSK	135	69	14.06	14.20	14.02	15.2	0.0
100	QPSK	135	138	14.03	14.11	14.09		
100	QPSK	270	0	14.24	14.25	14.09	15.2	0.0
100	16QAM	1	1	14.28	14.30	14.18	15.2	0.0
100	16QAM	1	1	14.15	14.15	14.07	14.7	0.0
100	256QAM	1	1	14.09	14.20	14.06	12.7	0.0
Channel				506200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2441	2592.89	2644.86	(dBm)	(dB)
90	QPSK	1	1	14.06	14.18	14.15	15.2	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2456.02	2592.89	2649.89	(dBm)	(dB)
80	QPSK	1	1	14.08	14.20	14.07	15.2	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2483.03	2592.89	2655	(dBm)	(dB)
70	QPSK	1	1	14.02	14.27	14.23	15.2	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2460	2592.89	2650.88	(dBm)	(dB)
60	QPSK	1	1	14.07	14.26	14.12	15.2	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2488.01	2592.89	2644.86	(dBm)	(dB)
50	QPSK	1	1	14.06	14.24	14.14	15.2	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2488.01	2592.89	2670	(dBm)	(dB)
40	QPSK	1	1	14.05	14.27	14.10	15.2	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2411	2592.89	2674.88	(dBm)	(dB)
30	QPSK	1	1	14.07	14.27	14.19	15.2	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2408.02	2592.89	2679.85	(dBm)	(dB)
20	QPSK	1	1	14.01	14.20	14.18	15.2	0.0
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2403.5	2592.89	2682.45	(dBm)	(dB)
15	QPSK	1	1	14.01	14.22	14.25	15.2	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2401.01	2592.89	2685	(dBm)	(dB)
10	QPSK	1	1	14.19	14.29	14.19	15.2	0.0



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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)	MPR (dB)		
Channel										
Frequency (MHz)				2548.01	2592.99	2640				
100	QPSK	1	1	20.12	20.20	20.10	21.2	0.0		
100	QPSK	1	137	19.93	20.10	19.82				
100	QPSK	1	271	19.82	19.68	19.61				
100	QPSK	137	0	19.77	19.93	19.86	21.2	0.0		
100	QPSK	137	68	19.93	20.10	20.01				
100	QPSK	137	138	20.01	19.88	19.92				
100	QPSK	273	0	18.75	18.79	18.74	18.7	1.5		
100	16QAM	1	1	19.48	19.67	19.54				
100	16QAM	1	1	17.91	18.06	17.92				
100	256QAM	1	1	15.55	15.44	15.34	15.2	5.0		
Channel				2502.0	2518.98	2529.98			Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98			(dBm)	(dB)
90	QPSK	1	1	19.34	20.19	20.02	21.2	0.0		
Channel				2572.04	2585.98	2599.98			Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99			(dBm)	(dB)
80	QPSK	1	1	20.00	20.17	19.99	21.2	0.0		
Channel				2509.99	2518.98	2510.00			Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2635			(dBm)	(dB)
70	QPSK	1	1	20.07	20.01	20.09	21.2	0.0		
Channel				2520.0	2518.98	2519.98			Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2639.98			(dBm)	(dB)
60	QPSK	1	1	19.88	20.01	20.03	21.2	0.0		
Channel				2542.04	2518.98	2529.98			Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2644.99			(dBm)	(dB)
50	QPSK	1	1	20.04	20.02	19.99	21.2	0.0		
Channel				2502.02	2518.98	2540.00			Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670			(dBm)	(dB)
40	QPSK	1	1	20.20	20.19	20.05	21.2	0.0		
Channel				2520.0	2518.98	2549.98			Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98			(dBm)	(dB)
30	QPSK	1	1	20.08	20.17	20.00	21.2	0.0		
Channel				2502.02	2518.98	2539.98			Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99			(dBm)	(dB)
20	QPSK	1	1	20.05	20.14	20.03	21.2	0.0		
Channel				2507.00	2518.98	2564.98			Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2662.48			(dBm)	(dB)
15	QPSK	1	1	20.00	20.15	20.01	21.2	0.0		
Channel				2502.02	2518.98	2570.00			Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685			(dBm)	(dB)
10	QPSK	1	1	20.01	20.18	20.00	21.2	0.0		
Channel				2541	2592.99	2644.98			Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98			(dBm)	(dB)

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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)	MPR (dB)		
Channel										
Frequency (MHz)				2548.01	2592.99	2640				
100	QPSK	1	1	21.82	21.93	21.80	22.7	0.0		
100	QPSK	1	137	20.70	21.08	20.75				
100	QPSK	1	271	20.71	21.00	20.68				
100	QPSK	137	0	20.71	20.99	20.84	22.7	0.0		
100	QPSK	137	68	20.83	21.01	20.89				
100	QPSK	137	138	19.84	19.86	19.72				
100	QPSK	273	0	20.34	20.36	20.32	21.2	1.5		
100	16QAM	1	1	20.49	20.65	20.58				
100	16QAM	1	1	18.55	18.84	18.53				
100	256QAM	1	1	17.08	17.99	17.07	17.7	5.0		
Channel				2502.0	2518.98	2529.98			Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98			(dBm)	(dB)
90	QPSK	1	1	21.85	21.77	21.85	22.7	0.0		
Channel				2572.04	2518.98	2529.98			Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99			(dBm)	(dB)
80	QPSK	1	1	21.79	21.81	21.85	22.7	0.0		
Channel				2509.99	2518.98	2510.00			Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2635			(dBm)	(dB)
70	QPSK	1	1	21.72	21.79	21.85	22.7	0.0		
Channel				2520.0	2518.98	2519.98			Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2639.98			(dBm)	(dB)
60	QPSK	1	1	21.84	21.83	21.82	22.7	0.0		
Channel				2542.04	2518.98	2529.98			Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2644.99			(dBm)	(dB)
50	QPSK	1	1	21.73	21.80	21.82	22.7	0.0		
Channel				2502.02	2518.98	2540.00			Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670			(dBm)	(dB)
40	QPSK	1	1	21.74	21.72	21.69	22.7	0.0		
Channel				2520.0	2518.98	2549.98			Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98			(dBm)	(dB)
30	QPSK	1	1	21.75	21.75	21.72	22.7	0.0		
Channel				2502.02	2518.98	2539.98			Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99			(dBm)	(dB)
20	QPSK	1	1	21.70	21.11	21.21	22.7	0.0		
Channel				2507.00	2518.98	2564.98			Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2662.48			(dBm)	(dB)
15	QPSK	1	1	21.70	21.10	21.20	22.7	0.0		
Channel				2502.02	2518.98	2570.00			Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685			(dBm)	(dB)
10	QPSK	1	1	21.63	21.61	21.74	22.7	0.0		
Channel				2541	2592.99	2644.98			Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98			(dBm)	(dB)



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	626202	518598	526200					
Frequency (MHz)	2548.01	2592.99	2640					
100	QPSK	1	1	14.22	14.30	14.25	15.2	0.0
100	QPSK	1	137	13.85	14.08	13.03		
100	QPSK	1	271	14.06	13.93	13.85		
100	QPSK	137	0	14.13	13.96	13.98	15.2	0.0
100	QPSK	137	68	14.15	14.20	13.11		
100	QPSK	137	138	14.01	14.03	13.92		
100	QPSK	273	0	14.09	14.24	14.12	15.2	0.0
100	16QAM	1	1	14.18	14.21	14.05	15.2	0.0
100	64QAM	1	1	14.08	13.98	14.04	15.2	0.0
100	256QAM	1	1	14.08	14.20	13.98	15.2	0.0
Channel	502000	518598	526299					
Frequency (MHz)	2541	2592.99	2644.98					
90	QPSK	1	1	14.10	14.09	14.05	15.2	0.0
Channel	507004	518598	526299					
Frequency (MHz)	2536.02	2592.99	2649.99					
60	QPSK	1	1	14.19	14.22	14.13	15.2	0.0
Channel	506302	518598	531000					
Frequency (MHz)	2531.01	2592.99	2655					
70	QPSK	1	1	14.17	14.23	14.04	15.2	0.0
Channel	505300	518598	531998					
Frequency (MHz)	2528	2592.99	2659.98					
60	QPSK	1	1	14.16	14.16	14.12	15.2	0.0
Channel	504304	518598	532998					
Frequency (MHz)	2521.02	2592.99	2664.99					
80	QPSK	1	1	14.10	14.03	14.15	15.2	0.0
Channel	503302	518598	534000					
Frequency (MHz)	2516.01	2592.99	2670					
40	QPSK	1	1	14.17	14.13	14.17	15.2	0.0
Channel	502300	518598	534998					
Frequency (MHz)	2511	2592.99	2674.98					
30	QPSK	1	1	14.17	14.23	14.07	15.2	0.0
Channel	501304	518598	535998					
Frequency (MHz)	2506.02	2592.99	2679.99					
20	QPSK	1	1	14.10	14.03	14.15	15.2	0.0
Channel	500700	518598	536998					
Frequency (MHz)	2503.5	2592.99	2682.46					
15	QPSK	1	1	14.19	14.20	14.22	15.2	0.0
Channel	500202	518598	537000					
Frequency (MHz)	2501.01	2592.99	2685					
10	QPSK	1	1	14.11	14.10	14.22	15.2	0.0



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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)	MPR (dB)
Channel				63000	64166	64632		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	14.04	14.10	14.00	15.2	0.0
40	PV2 BPSK	1	53	13.94	13.89	13.91		
40	PV2 BPSK	1	104	14.02	14.08	14.05		
40	PV2 BPSK	50	0	14.02	14.08	14.02	15.2	0.0
40	PV2 BPSK	50	28	13.94	13.89	13.89	15.2	0.0
40	PV2 BPSK	50	56	13.88	13.95	13.91	15.2	0.0
40	PV2 BPSK	100	0	13.91	13.97	13.87		
40	QPSK	1	1	14.01	14.11	14.08		
40	QPSK	1	53	13.98	13.98	13.98	15.2	0.0
40	QPSK	1	104	14.07	14.10	14.03		
40	QPSK	50	0	13.98	14.00	13.98		
40	QPSK	50	28	13.92	14.06	13.91	15.2	0.0
40	QPSK	50	56	13.93	13.95	13.91	15.2	0.0
40	QPSK	100	0	13.91	13.94	13.87		
40	16QAM	1	1	13.97	14.04	13.94	15.2	0.0
40	16QAM	1	1	13.97	13.95	13.86	15.2	0.0
40	256QAM	1	1	13.93	13.93	13.91	15.2	0.0
Channel				63734	64166	64600	Tune-up limit	MPR
Frequency (MHz)				3591.01	3624.99	3669	(dBm)	(dB)
20	QPSK	1	1	13.97	14.04	14.04	15.2	0.0
Channel				63700	64166	64632	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3684.88	(dBm)	(dB)
10	QPSK	1	1	13.97	14.04	14.05	15.2	0.0

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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)	MPR (dB)
Channel				63000	64166	64632		
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	19.97	20.14	20.11	21.2	0.0
40	PV2 BPSK	1	53	20.11	20.16	20.11		
40	PV2 BPSK	1	104	20.13	20.15	19.98		
40	PV2 BPSK	50	0	19.88	20.05	19.91	21.2	0.0
40	PV2 BPSK	50	28	20.08	20.15	20.14	21.2	0.0
40	PV2 BPSK	50	56	19.92	20.05	20.01	21.2	0.0
40	PV2 BPSK	100	0	19.94	20.13	19.96		
40	QPSK	1	1	20.03	20.20	20.03		
40	QPSK	1	53	19.83	19.97	19.95	21.2	0.0
40	QPSK	1	104	20.11	20.15	20.03		
40	QPSK	50	0	20.03	20.03	19.91		
40	QPSK	50	28	20.11	20.14	20.13	21.2	0.0
40	QPSK	50	56	20.04	20.06	19.95	21.2	0.0
40	QPSK	100	0	20.04	20.08	19.95	21.2	0.0
40	16QAM	1	1	20.06	20.10	20.08	21.2	0.0
40	16QAM	1	1	19.98	20.12	20.12	21.2	0.0
40	256QAM	1	1	19.42	19.55	19.43	20.7	0.5
Channel				63734	64166	64600	Tune-up limit	MPR
Frequency (MHz)				3591.01	3624.99	3669	(dBm)	(dB)
20	QPSK	1	1	19.97	20.05	19.91	21.2	0.0
Channel				63700	64166	64632	Tune-up limit	MPR
Frequency (MHz)				3555	3624.99	3684.88	(dBm)	(dB)
10	QPSK	1	1	19.91	20.09	19.95	21.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
				3750	3840	3930		
100	PV2 BPSK	1	1	13.92	14.11	14.01		
100	PV2 BPSK	1	137	13.98	13.98	13.91	15.2	0.0
100	PV2 BPSK	1	271	13.93	13.77	13.84		
100	PV2 BPSK	135	0	13.97	14.03	13.94	15.2	0.0
100	PV2 BPSK	135	69	13.92	14.08	14.01	15.2	0.0
100	PV2 BPSK	135	138	13.75	13.92	13.81	15.2	0.0
100	PV2 BPSK	270	0	14.02	13.76	13.84		
100	QPSK	1	1	14.13	14.30	14.12		
100	QPSK	1	137	13.90	14.05	13.99	15.2	0.0
100	QPSK	135	271	13.81	13.82	13.77		
100	QPSK	135	0	13.90	13.99	13.84	15.2	0.0
100	QPSK	135	69	13.82	14.24	13.83	15.2	0.0
100	QPSK	135	138	13.76	13.77	13.80	15.2	0.0
100	QPSK	270	0	13.98	14.00	13.84	15.2	0.0
100	16QAM	1	1	13.91	14.05	13.86	15.2	0.0
100	16QAM	1	1	13.70	13.98	13.74	15.2	0.0
100	256QAM	1	1	13.68	13.83	13.74	15.2	0.0
Channel				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	13.98	13.90	13.78	15.2	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	13.92	13.89	13.78	15.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	13.99	14.02	13.76	15.2	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3728.02	3840	3948.89	(dBm)	(dB)
60	QPSK	1	1	13.88	14.02	13.87	15.2	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3721.01	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	13.95	14.00	13.89	15.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3710	3840	3960	(dBm)	(dB)
40	QPSK	1	1	13.91	14.04	13.76	15.2	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3703.02	3840	3964.89	(dBm)	(dB)
30	QPSK	1	1	13.85	13.87	13.89	15.2	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3701.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	13.93	13.98	13.73	15.2	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.82	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	13.94	14.02	13.77	15.2	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	14.00	13.90	13.92	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				650000	650000	650000		
				3750	3840	3930		
100	PV2 BPSK	1	1	13.92	14.11	14.01		
100	PV2 BPSK	1	137	13.98	13.98	13.91	15.2	0.0
100	PV2 BPSK	1	271	13.93	13.77	13.84		
100	PV2 BPSK	135	0	13.97	14.03	13.94	15.2	0.0
100	PV2 BPSK	135	69	13.92	14.08	14.01	15.2	0.0
100	PV2 BPSK	135	138	13.75	13.92	13.81	15.2	0.0
100	PV2 BPSK	270	0	14.02	13.76	13.84		
100	QPSK	1	1	14.13	14.30	14.12		
100	QPSK	1	137	13.90	14.05	13.99	15.2	0.0
100	QPSK	135	271	13.81	13.82	13.77		
100	QPSK	135	0	13.90	13.99	13.84	15.2	0.0
100	QPSK	135	69	13.82	14.24	13.83	15.2	0.0
100	QPSK	135	138	13.76	13.77	13.80	15.2	0.0
100	QPSK	270	0	13.98	14.00	13.84	15.2	0.0
100	16QAM	1	1	13.91	14.05	13.86	15.2	0.0
100	16QAM	1	1	13.70	13.98	13.74	15.2	0.0
100	256QAM	1	1	13.68	13.83	13.74	15.2	0.0
Channel				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	13.98	13.90	13.78	15.2	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	13.92	13.89	13.78	15.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	13.99	14.02	13.76	15.2	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3728.02	3840	3948.89	(dBm)	(dB)
60	QPSK	1	1	13.88	14.02	13.87	15.2	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3721.01	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	13.95	14.00	13.89	15.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3710	3840	3960	(dBm)	(dB)
40	QPSK	1	1	13.91	14.04	13.76	15.2	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3703.02	3840	3964.89	(dBm)	(dB)
30	QPSK	1	1	13.85	13.87	13.89	15.2	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3701.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	13.93	13.98	13.73	15.2	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.82	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	13.94	14.02	13.77	15.2	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	14.00	13.90	13.92	15.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	14.11	14.11			
100	PV2 BPSK	1	137	14.04	14.04		15.2	0.0
100	PV2 BPSK	1	271	13.87	13.87			
100	PV2 BPSK	135	0	13.92	13.92		15.2	0.0
100	PV2 BPSK	135	69	14.10	14.10		15.2	0.0
100	PV2 BPSK	135	138	13.87	13.87		15.2	0.0
100	PV2 BPSK	270	0	13.89	13.89			
100	QPSK	1	1	14.21	14.21			
100	QPSK	1	137	13.93	13.93		15.2	0.0
100	QPSK	135	0	13.86	13.86			
100	QPSK	135	69	13.97	13.97		15.2	0.0
100	QPSK	135	138	14.12	14.12		15.2	0.0
100	QPSK	270	0	13.80	13.80		15.2	0.0
100	QPSK	270	0	13.80	13.80		15.2	0.0
100	16QAM	1	1	13.96	13.96		15.2	0.0
100	16QAM	1	1	13.89	13.89		15.2	0.0
100	256QAM	1	1	13.78	13.78		15.2	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	14.01	14.05	13.84	15.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3505.00	(dBm)	(dB)
80	QPSK	1	1	14.00	14.02	14.01	15.2	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.99	14.08	13.86	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	14.12	14.08	14.01	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	14.02	14.03	13.87	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	14.11	14.13	13.94	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	14.08	14.12	13.89	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	14.08	14.16	13.99	15.2	0.0
Channel				630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3502.45	(dBm)	(dB)
15	QPSK	1	1	14.18	14.10	13.92	15.2	0.0
Channel				630000	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	14.08	14.08	13.89	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	14.11	14.11			
100	PV2 BPSK	1	137	14.04	14.04		15.2	0.0
100	PV2 BPSK	1	271	13.87	13.87			
100	PV2 BPSK	135	0	13.92	13.92		15.2	0.0
100	PV2 BPSK	135	69	14.10	14.10		15.2	0.0
100	PV2 BPSK	135	138	13.87	13.87		15.2	0.0
100	PV2 BPSK	270	0	13.89	13.89			
100	QPSK	1	1	14.21	14.21			
100	QPSK	1	137	13.93	13.93		15.2	0.0
100	QPSK	135	0	13.86	13.86			
100	QPSK	135	69	13.97	13.97		15.2	0.0
100	QPSK	135	138	14.12	14.12		15.2	0.0
100	QPSK	270	0	13.80	13.80		15.2	0.0
100	QPSK	270	0	13.80	13.80		15.2	0.0
100	16QAM	1	1	13.96	13.96		15.2	0.0
100	16QAM	1	1	13.89	13.89		15.2	0.0
100	256QAM	1	1	13.78	13.78		15.2	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	14.01	14.05	13.84	15.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	14.00	14.02	14.01	15.2	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.99	14.08	13.86	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	14.12	14.08	14.01	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	14.02	14.03	13.87	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	14.11	14.13	13.94	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	14.08	14.12	13.89	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	14.08	14.16	13.99	15.2	0.0
Channel				630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3502.45	(dBm)	(dB)
15	QPSK	1	1	14.18	14.10	13.92	15.2	0.0
Channel				630000	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	14.08	14.08	13.89	15.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				85000	85000	85000		
100	QPSK	1	1	3760	3840	3920		
100	QPSK	1	137	14.05	14.25	14.04		
100	QPSK	1	271	13.90	14.01	13.82		
100	QPSK	1	271	13.72	13.69	13.62		
100	QPSK	137	0	13.90	13.82	13.66		
100	QPSK	137	68	13.78	14.12	13.70	15.2	0.0
100	QPSK	137	138	13.88	13.85	13.80		
100	QPSK	273	0	14.05	14.10	14.02	15.2	0.0
100	16QAM	1	1	13.74	13.82	13.82	15.2	0.0
100	64QAM	1	1	13.70	13.55	13.2	15.2	0.0
100	256QAM	1	1	13.55	13.70	13.70	15.2	0.0
Channel								
Frequency (MHz)				85000	85000	85000		
90	QPSK	1	1	3745.02	3840	3934.98		
Channel								
Frequency (MHz)				85000	85000	85000		
80	QPSK	1	1	3740.01	3840	3939.99		
Channel								
Frequency (MHz)				85000	85000	85000		
70	QPSK	1	1	3735	3840	3945		
Channel								
Frequency (MHz)				85000	85000	85000		
60	QPSK	1	1	3730.02	3840	3949.98		
Channel								
Frequency (MHz)				85000	85000	85000		
50	QPSK	1	1	3725.01	3840	3954.99		
Channel								
Frequency (MHz)				85000	85000	85000		
40	QPSK	1	1	3720	3840	3960		
Channel								
Frequency (MHz)				85000	85000	85000		
30	QPSK	1	1	3715	3840	3965		
Channel								
Frequency (MHz)				85000	85000	85000		
20	QPSK	1	1	3710.01	3840	3969.99		
Channel								
Frequency (MHz)				85000	85000	85000		
15	QPSK	1	1	3705	3840	3975		
Channel								
Frequency (MHz)				85000	85000	85000		
10	QPSK	1	1	3700	3840	3980		

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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)	MPR (dB)
Channel								
Frequency (MHz)				83300	83300	83300		
100	QPSK	1	1	3495.98	3495.98	3495.98		
100	QPSK	1	137	14.10	14.10	14.10		
100	QPSK	1	271	13.87	13.87	13.87		
100	QPSK	137	0	13.72	13.72	13.72		
100	QPSK	137	68	14.05	14.05	14.05	15.2	0.0
100	QPSK	137	138	13.85	13.85	13.85		
100	QPSK	273	0	13.80	13.80	13.80	15.2	0.0
100	16QAM	1	1	13.67	13.67	13.67	15.2	0.0
100	64QAM	1	1	13.78	13.78	13.78	15.2	0.0
100	256QAM	1	1	13.66	13.66	13.66	15.2	0.0
Channel								
Frequency (MHz)				83300	83300	83300		
90	QPSK	1	1	3495	3495.98	3504.99		
Channel								
Frequency (MHz)				83300	83300	83300		
80	QPSK	1	1	3490.02	3495.98	3510		
Channel								
Frequency (MHz)				83300	83300	83300		
70	QPSK	1	1	3485.01	3495.98	3514.98		
Channel								
Frequency (MHz)				83300	83300	83300		
60	QPSK	1	1	3480	3495.98	3519.98		
Channel								
Frequency (MHz)				83300	83300	83300		
50	QPSK	1	1	3475.02	3495.98	3525		
Channel								
Frequency (MHz)				83300	83300	83300		
40	QPSK	1	1	3470.01	3495.98	3529.98		
Channel								
Frequency (MHz)				83300	83300	83300		
30	QPSK	1	1	3465	3495.98	3534.99		
Channel								
Frequency (MHz)				83300	83300	83300		
20	QPSK	1	1	3460.02	3495.98	3540		
Channel								
Frequency (MHz)				83300	83300	83300		
15	QPSK	1	1	3455.01	3495.98	3544.98		
Channel								
Frequency (MHz)				83300	83300	83300		
10	QPSK	1	1	3450	3495.98	3549		



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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)	MPR (dB)
Channel								
Frequency (MHz)				850000	850000	850000		
				3750	3840	3930		
100	PV2 BPSK	1	1	20.38	20.45	20.34		
100	PV2 BPSK	1	137	20.41	20.40	20.41	21.7	0.0
100	PV2 BPSK	1	271	20.49	20.47	20.38		
100	PV2 BPSK	135	0	20.30	20.44	20.35	21.7	0.0
100	PV2 BPSK	135	69	20.41	20.40	20.32	21.7	0.0
100	PV2 BPSK	135	138	20.37	20.35	20.35	21.7	0.0
100	PV2 BPSK	270	0	20.28	20.33	20.31		
100	QPSK	1	1	20.41	20.32	20.50		
100	QPSK	1	137	20.37	20.45	20.30	21.7	0.0
100	QPSK	135	271	20.41	20.39	20.27		
100	QPSK	135	0	20.44	20.46	20.46		
100	QPSK	135	69	20.32	20.47	20.43	21.7	0.0
100	QPSK	135	138	20.38	20.35	20.20	21.7	0.0
100	QPSK	270	0	20.38	20.43	20.42	21.7	0.0
100	16QAM	1	1	20.14	20.16	20.12	21.7	0.0
100	16QAM	1	1	18.30	19.23	19.27	20.2	1.5
100	256QAM	1	1	17.42	17.35	17.45	19.2	3.5
Channel								
Frequency (MHz)				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				374502	384000	393488	(dBm)	(dB)
90	QPSK	1	1	20.31	20.46	20.48	21.7	0.0
Channel								
Frequency (MHz)				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				374200	384000	393800	(dBm)	(dB)
80	QPSK	1	1	20.48	20.40	20.44	21.7	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				373800	384000	394000	(dBm)	(dB)
70	QPSK	1	1	20.46	20.29	20.39	21.7	0.0
Channel								
Frequency (MHz)				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				373502	384000	394332	(dBm)	(dB)
60	QPSK	1	1	20.31	20.27	20.44	21.7	0.0
Channel								
Frequency (MHz)				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				373200	384000	394666	(dBm)	(dB)
50	QPSK	1	1	20.36	20.41	20.45	21.7	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				372800	384000	395000	(dBm)	(dB)
40	QPSK	1	1	20.41	20.40	20.36	21.7	0.0
Channel								
Frequency (MHz)				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				372502	384000	395332	(dBm)	(dB)
30	QPSK	1	1	20.32	20.36	20.40	21.7	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up limit	MPR
Frequency (MHz)				372200	384000	395700	(dBm)	(dB)
25	QPSK	1	1	20.34	20.42	20.41	21.7	0.0
Channel								
Frequency (MHz)				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				372000	384000	396000	(dBm)	(dB)
20	QPSK	1	1	20.48	20.43	20.48	21.7	0.0
Channel								
Frequency (MHz)				647188	656000	664832	Tune-up limit	MPR
Frequency (MHz)				371800	384000	396385	(dBm)	(dB)
15	QPSK	1	1	20.32	20.36	20.44	21.7	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				371600	384000	396750	(dBm)	(dB)
10	QPSK	1	1	20.37	20.45	20.50	21.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				850000	850000	850000		
				3750	3840	3930		
100	PV2 BPSK	1	1	20.38	20.45	20.34		
100	PV2 BPSK	1	137	20.41	20.40	20.41	21.7	0.0
100	PV2 BPSK	1	271	20.49	20.47	20.38		
100	PV2 BPSK	135	0	20.30	20.44	20.35	21.7	0.0
100	PV2 BPSK	135	69	20.41	20.40	20.32	21.7	0.0
100	PV2 BPSK	135	138	20.37	20.35	20.35	21.7	0.0
100	PV2 BPSK	270	0	20.28	20.33	20.31		
100	QPSK	1	1	20.41	20.32	20.50		
100	QPSK	1	137	20.37	20.45	20.30	21.7	0.0
100	QPSK	135	271	20.41	20.39	20.27		
100	QPSK	135	0	20.44	20.46	20.46		
100	QPSK	135	69	20.32	20.47	20.43	21.7	0.0
100	QPSK	135	138	20.38	20.35	20.20	21.7	0.0
100	QPSK	270	0	20.38	20.43	20.42	21.7	0.0
100	16QAM	1	1	20.14	20.16	20.12	21.7	0.0
100	16QAM	1	1	18.30	19.23	19.27	20.2	1.5
100	256QAM	1	1	17.42	17.35	17.45	19.2	3.5
Channel								
Frequency (MHz)				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				374502	384000	393488	(dBm)	(dB)
90	QPSK	1	1	20.31	20.46	20.48	21.7	0.0
Channel								
Frequency (MHz)				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				374200	384000	393800	(dBm)	(dB)
80	QPSK	1	1	20.48	20.40	20.44	21.7	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				373800	384000	394000	(dBm)	(dB)
70	QPSK	1	1	20.46	20.29	20.39	21.7	0.0
Channel								
Frequency (MHz)				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				373502	384000	394332	(dBm)	(dB)
60	QPSK	1	1	20.31	20.27	20.44	21.7	0.0
Channel								
Frequency (MHz)				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				373200	384000	394666	(dBm)	(dB)
50	QPSK	1	1	20.36	20.41	20.45	21.7	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				372800	384000	395000	(dBm)	(dB)
40	QPSK	1	1	20.41	20.40	20.36	21.7	0.0
Channel								
Frequency (MHz)				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				372502	384000	395332	(dBm)	(dB)
30	QPSK	1	1	20.32	20.36	20.40	21.7	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up limit	MPR
Frequency (MHz)				372200	384000	395700	(dBm)	(dB)
25	QPSK	1	1	20.34	20.42	20.41	21.7	0.0
Channel								
Frequency (MHz)				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				372000	384000	396000	(dBm)	(dB)
20	QPSK	1	1	20.48	20.43	20.48	21.7	0.0
Channel								
Frequency (MHz)				647188	656000	664832	Tune-up limit	MPR
Frequency (MHz)				371800	384000	396385	(dBm)	(dB)
15	QPSK	1	1	20.32	20.36	20.44	21.7	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				371600	384000	396750	(dBm)	(dB)
10	QPSK	1	1	20.37	20.45	20.50	21.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi/2 BPSK	1	1	20.56	20.56	20.56	21.7	0.0
100	Pi/2 BPSK	1	137	20.49	20.49	20.49		
100	Pi/2 BPSK	1	271	20.81	20.81	20.81	21.7	0.0
100	Pi/2 BPSK	135	0	20.59	20.59	20.59		
100	Pi/2 BPSK	135	69	20.39	20.39	20.39	21.7	0.0
100	Pi/2 BPSK	135	138	20.43	20.43	20.43		
100	Pi/2 BPSK	270	0	20.47	20.47	20.47	21.7	0.0
100	QPSK	1	1	20.56	20.56	20.56		
100	QPSK	1	137	20.83	20.83	20.83	21.7	0.0
100	QPSK	135	0	20.48	20.48	20.48		
100	QPSK	135	69	20.39	20.39	20.39	21.7	0.0
100	QPSK	135	138	20.52	20.52	20.52		
100	QPSK	135	138	20.39	20.39	20.39	21.7	0.0
100	QPSK	270	0	20.41	20.41	20.41		
100	16QAM	1	1	20.62	20.62	20.62	21.7	0.0
100	16QAM	1	1	19.23	19.23	19.23		
100	256QAM	1	1	17.34	17.34	19.2	19.2	3.5
100	256QAM	1	1	17.34	17.34	19.2		
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	20.43	20.39	20.38	21.7	0.0
90	QPSK	1	1	20.43	20.39	20.38		
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	20.42	20.28	20.54	21.7	0.0
80	QPSK	1	1	20.42	20.28	20.54		
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.99	(dBm)	(dB)
70	QPSK	1	1	20.43	20.39	20.43	21.7	0.0
70	QPSK	1	1	20.43	20.39	20.43		
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	20.34	20.35	20.52	21.7	0.0
60	QPSK	1	1	20.34	20.35	20.52		
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3485.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	20.34	20.38	20.52	21.7	0.0
50	QPSK	1	1	20.34	20.38	20.52		
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3509.99	(dBm)	(dB)
40	QPSK	1	1	20.33	20.45	20.40	21.7	0.0
40	QPSK	1	1	20.33	20.45	20.40		
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3475.01	3499.98	3509.99	(dBm)	(dB)
30	QPSK	1	1	20.31	20.32	20.53	21.7	0.0
30	QPSK	1	1	20.31	20.32	20.53		
Channel				630664	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3509.99	(dBm)	(dB)
25	QPSK	1	1	20.26	20.33	20.55	21.7	0.0
25	QPSK	1	1	20.26	20.33	20.55		
Channel				630332	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3465.02	3499.98	3510	(dBm)	(dB)
20	QPSK	1	1	20.43	20.29	20.37	21.7	0.0
20	QPSK	1	1	20.43	20.29	20.37		
Channel				630000	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3510	(dBm)	(dB)
15	QPSK	1	1	20.39	20.33	20.39	21.7	0.0
15	QPSK	1	1	20.39	20.33	20.39		
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3514.99	(dBm)	(dB)
10	QPSK	1	1	20.28	20.41	20.48	21.7	0.0
10	QPSK	1	1	20.28	20.41	20.48		

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi/2 BPSK	1	1	20.56	20.56	20.56	21.7	0.0
100	Pi/2 BPSK	1	137	20.49	20.49	20.49		
100	Pi/2 BPSK	1	271	20.81	20.81	20.81	21.7	0.0
100	Pi/2 BPSK	135	0	20.59	20.59	20.59		
100	Pi/2 BPSK	135	69	20.39	20.39	20.39	21.7	0.0
100	Pi/2 BPSK	135	138	20.43	20.43	20.43		
100	Pi/2 BPSK	270	0	20.47	20.47	20.47	21.7	0.0
100	QPSK	1	1	20.56	20.56	20.56		
100	QPSK	1	137	20.83	20.83	20.83	21.7	0.0
100	QPSK	135	0	20.48	20.48	20.48		
100	QPSK	135	69	20.39	20.39	20.39	21.7	0.0
100	QPSK	135	138	20.52	20.52	20.52		
100	QPSK	135	138	20.39	20.39	20.39	21.7	0.0
100	QPSK	270	0	20.41	20.41	20.41		
100	16QAM	1	1	20.62	20.62	20.62	21.7	0.0
100	16QAM	1	1	19.23	19.23	19.23		
100	256QAM	1	1	17.34	17.34	19.2	19.2	3.5
100	256QAM	1	1	17.34	17.34	19.2		
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	20.43	20.39	20.38	21.7	0.0
90	QPSK	1	1	20.43	20.39	20.38		
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	20.42	20.28	20.54	21.7	0.0
80	QPSK	1	1	20.42	20.28	20.54		
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.99	(dBm)	(dB)
70	QPSK	1	1	20.43	20.39	20.43	21.7	0.0
70	QPSK	1	1	20.43	20.39	20.43		
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	20.34	20.35	20.52	21.7	0.0
60	QPSK	1	1	20.34	20.35	20.52		
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3485.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	20.34	20.38	20.52	21.7	0.0
50	QPSK	1	1	20.34	20.38	20.52		
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3509.99	(dBm)	(dB)
40	QPSK	1	1	20.33	20.45	20.40	21.7	0.0
40	QPSK	1	1	20.33	20.45	20.40		
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3475.01	3499.98	3509.99	(dBm)	(dB)
30	QPSK	1	1	20.31	20.32	20.53	21.7	0.0
30	QPSK	1	1	20.31	20.32	20.53		
Channel				630664	633332	635832	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3509.99	(dBm)	(dB)
25	QPSK	1	1	20.26	20.33	20.55	21.7	0.0
25	QPSK	1	1	20.26	20.33	20.55		
Channel				630332	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3465.02	3499.98	3510	(dBm)	(dB)
20	QPSK	1	1	20.43	20.29	20.37	21.7	0.0
20	QPSK	1	1	20.43	20.29	20.37		
Channel				630000	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3510	(dBm)	(dB)
15	QPSK	1	1	20.39	20.33	20.39	21.7	0.0
15	QPSK	1	1	20.39	20.33	20.39		
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3514.99	(dBm)	(dB)
10	QPSK	1	1	20.28	20.41	20.48	21.7	0.0
10	QPSK	1	1	20.28	20.41	20.48		



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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)	MPR (dB)
Channel								
Frequency (MHz)				85000	86000	86000		
100	QPSK	1	1	20.00	20.05	19.86		
100	QPSK	1	137	19.96	19.92	19.77		
100	QPSK	1	271	19.80	19.79	19.80		
100	QPSK	137	0	20.00	19.91	19.63		
100	QPSK	137	68	19.97	19.92	19.66	20.7	0.0
100	QPSK	137	138	19.85	19.78	19.47		
100	QPSK	273	0	20.00	19.92	19.65	20.7	0.0
100	16QAM	1	1	19.94	19.88	19.45	20.7	0.0
100	64QAM	1	1	20.02	19.95	19.82	20.7	0.0
100	256QAM	1	1	17.63	17.24	17.16	18.2	2.5
Channel				85069	86000	86032		
Frequency (MHz)				3745.02	3840	3834.98		
90	QPSK	1	1	19.47	19.52	19.81	21.7	0.0
Channel				85534	86000	86026		
Frequency (MHz)				3740.01	3840	3839.99		
80	QPSK	1	1	20.00	19.83	19.92	20.7	0.0
Channel				85600	86000	86000		
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	20.00	20.02	19.92	20.7	0.0
Channel				85669	86000	86032		
Frequency (MHz)				3730.02	3840	3849.98		
60	QPSK	1	1	19.53	19.88	19.92	20.7	0.0
Channel				84834	86000	86066		
Frequency (MHz)				3725.01	3840	3854.99		
50	QPSK	1	1	19.68	19.93	19.53	20.7	0.0
Channel				84900	86000	86400		
Frequency (MHz)				3720	3840	3850		
40	QPSK	1	1	19.85	19.92	19.63	20.7	0.0
Channel				84768	86000	86432		
Frequency (MHz)				3715.02	3840.00	3854.98		
30	QPSK	1	1	19.07	19.50	19.92	20.7	0.0
Channel				84334	86000	86466		
Frequency (MHz)				3710.01	3840	3869.99		
20	QPSK	1	1	19.50	19.59	19.92	20.7	0.0
Channel				847188	86000	86482		
Frequency (MHz)				3707.52	3840	3972.48		
15	QPSK	1	1	19.98	19.94	19.92	20.7	0.0
Channel				847000	86000	86500		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.94	19.82	19.80	20.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				83392	83392	8499.98		
100	QPSK	1	1	20.15				
100	QPSK	1	137	20.00			20.7	0.0
100	QPSK	1	271	20.08				
100	QPSK	137	0	20.02				
100	QPSK	137	68	19.98			20.7	0.0
100	QPSK	137	138	20.00				
100	QPSK	273	0	20.03			20.7	0.0
100	16QAM	1	1	20.10			20.7	0.0
100	64QAM	1	1	20.13			20.7	0.0
100	256QAM	1	1	17.25			18.2	2.5
Channel				833000	83332	83966		
Frequency (MHz)				3495	3499.98	3544.99		
90	QPSK	1	1	20.11	19.99	20.14	21.7	0.0
Channel				83366	83332	83900		
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	20.14	20.10	20.12	21.7	0.0
Channel				83334	83332	83332		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	19.88	19.88	20.00	21.7	0.0
Channel				83300	83332	83966		
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	20.02	19.88	19.97	20.7	0.0
Channel				83368	83332	83900		
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	19.97	19.88	19.92	20.7	0.0
Channel				83334	83332	83332		
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	20.02	19.89	20.05	20.7	0.0
Channel				831000	83332	83966		
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	20.10	20.04	20.10	20.7	0.0
Channel				83368	83332	83900		
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	20.12	20.05	20.10	20.7	0.0
Channel				839000	83332	836166		
Frequency (MHz)				3457.5	3499.98	3542.49		
15	QPSK	1	1	20.05	19.97	19.92	20.7	0.0
Channel				83934	83332	83832		
Frequency (MHz)				3455.01	3499.98	3544.98		
10	QPSK	1	1	19.97	20.14	20.02	20.7	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	13.04	13.13	13.13	14.7	0.0
100	PV2 BPSK	1	137	13.11	13.23	13.18		
100	PV2 BPSK	1	271	13.09	13.14	13.12		
100	PV2 BPSK	135	0	13.16	13.18	13.11	14.7	0.0
100	PV2 BPSK	135	69	13.10	13.24	13.21	14.7	0.0
100	PV2 BPSK	135	138	13.11	13.15	13.13	14.7	0.0
100	PV2 BPSK	270	0	13.02	13.19	13.13		
100	QPSK	1	1	13.30	13.41	13.35		
100	QPSK	1	137	13.15	13.32	13.21	14.7	0.0
100	QPSK	135	271	13.15	13.15	13.12		
100	QPSK	135	0	13.05	13.18	13.10		
100	QPSK	135	69	13.05	13.20	13.18	14.7	0.0
100	QPSK	135	138	13.13	13.16	13.17	14.7	0.0
100	QPSK	270	0	13.12	13.27	13.10	14.7	0.0
100	16QAM	1	1	13.16	13.34	13.27	14.7	0.0
100	16QAM	1	1	13.17	13.40	13.36	14.7	0.0
100	256QAM	1	1	13.24	13.20	13.20	14.7	0.0
Channel				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	13.24	13.31	13.20	14.7	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	13.20	13.31	13.09	14.7	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				373955	3840	3945	(dBm)	(dB)
70	QPSK	1	1	13.32	13.30	13.21	14.7	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3736.02	3840	3949.88	(dBm)	(dB)
60	QPSK	1	1	13.25	13.29	13.14	14.7	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3732.51	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	13.18	13.31	13.10	14.7	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				372900	3840	3960	(dBm)	(dB)
40	QPSK	1	1	13.25	13.24	13.20	14.7	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3725.52	3840	3964.88	(dBm)	(dB)
30	QPSK	1	1	13.21	13.29	13.15	14.7	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3721.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	13.18	13.28	13.12	14.7	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3717.52	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	13.19	13.21	13.08	14.7	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3975	(dBm)	(dB)
10	QPSK	1	1	13.18	13.26	13.21	14.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	13.04	13.13	13.13	14.7	0.0
100	PV2 BPSK	1	137	13.11	13.23	13.18		
100	PV2 BPSK	1	271	13.09	13.14	13.12		
100	PV2 BPSK	135	0	13.16	13.18	13.11	14.7	0.0
100	PV2 BPSK	135	69	13.10	13.24	13.21	14.7	0.0
100	PV2 BPSK	135	138	13.11	13.15	13.13	14.7	0.0
100	PV2 BPSK	270	0	13.02	13.19	13.13		
100	QPSK	1	1	13.30	13.41	13.35		
100	QPSK	1	137	13.15	13.32	13.21	14.7	0.0
100	QPSK	135	271	13.15	13.15	13.12		
100	QPSK	135	0	13.05	13.20	13.18		
100	QPSK	135	69	13.05	13.46	13.10	14.7	0.0
100	QPSK	135	138	13.13	13.16	13.17	14.7	0.0
100	QPSK	270	0	13.12	13.27	13.10	14.7	0.0
100	16QAM	1	1	13.16	13.34	13.27	14.7	0.0
100	16QAM	1	1	13.17	13.40	13.36	14.7	0.0
100	256QAM	1	1	13.24	13.20	13.20	14.7	0.0
Channel				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	13.24	13.31	13.20	14.7	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	13.20	13.31	13.09	14.7	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				373955	3840	3945	(dBm)	(dB)
70	QPSK	1	1	13.32	13.30	13.21	14.7	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3736.02	3840	3949.88	(dBm)	(dB)
60	QPSK	1	1	13.25	13.29	13.14	14.7	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3732.51	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	13.18	13.31	13.10	14.7	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				372900	3840	3960	(dBm)	(dB)
40	QPSK	1	1	13.25	13.24	13.20	14.7	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3725.52	3840	3964.88	(dBm)	(dB)
30	QPSK	1	1	13.21	13.29	13.15	14.7	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3721.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	13.18	13.28	13.12	14.7	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3717.52	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	13.19	13.21	13.08	14.7	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3715	3840	3975	(dBm)	(dB)
10	QPSK	1	1	13.18	13.26	13.21	14.7	0.0



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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)	MPR (dB)			
Channel											
Frequency (MHz)							3499.98				
100	PV2 BPSK	1	1	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	1	137	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	1	271	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	135	0	13.52	13.38	13.27	14.7	0.0			
100	PV2 BPSK	135	69	13.52	13.38	13.27	14.7	0.0			
100	PV2 BPSK	135	138	13.40	13.40	13.40	14.7	0.0			
100	PV2 BPSK	270	0	13.47	13.47	13.47	14.7	0.0			
100	QPSK	1	1	13.54	13.54	13.54	14.7	0.0			
100	QPSK	1	137	13.27	13.27	13.27	14.7	0.0			
100	QPSK	135	271	13.29	13.29	13.29	14.7	0.0			
100	QPSK	135	0	13.42	13.42	13.42	14.7	0.0			
100	QPSK	135	69	13.57	13.57	13.57	14.7	0.0			
100	QPSK	135	138	13.47	13.47	13.47	14.7	0.0			
100	QPSK	270	0	13.46	13.46	13.46	14.7	0.0			
100	16QAM	1	1	13.59	13.59	13.59	14.7	0.0			
100	16QAM	1	1	13.48	13.48	13.48	14.7	0.0			
100	256QAM	1	1	13.60	13.60	13.60	14.7	0.0			
Channel							63000	63332	63666	Tune-up limit	MPR
Frequency (MHz)							3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.37	13.43	13.45	14.7	0.0			
Channel							632688	633332	634000	Tune-up limit	MPR
Frequency (MHz)							3495.02	3499.98	3500	(dBm)	(dB)
80	QPSK	1	1	13.47	13.34	13.42	14.7	0.0			
Channel							632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)							3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.42	13.42	13.38	14.7	0.0			
Channel							632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)							3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	13.33	13.32	13.35	14.7	0.0			
Channel							631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)							3475.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	13.44	13.45	13.42	14.7	0.0			
Channel							631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)							3470.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	13.38	13.39	13.45	14.7	0.0			
Channel							631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)							3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.43	13.44	13.41	14.7	0.0			
Channel							630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)							3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.32	13.37	13.34	14.7	0.0			
Channel							630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)							3457.5	3499.98	3542.45	(dBm)	(dB)
15	QPSK	1	1	13.38	13.36	13.44	14.7	0.0			
Channel							630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)							3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.45	13.42	13.33	14.7	0.0			

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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)	MPR (dB)			
Channel											
Frequency (MHz)							3499.98				
100	PV2 BPSK	1	1	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	1	137	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	1	271	13.27	13.44	13.55	14.7	0.0			
100	PV2 BPSK	135	0	13.52	13.38	13.27	14.7	0.0			
100	PV2 BPSK	135	69	13.52	13.38	13.27	14.7	0.0			
100	PV2 BPSK	135	138	13.40	13.40	13.40	14.7	0.0			
100	PV2 BPSK	270	0	13.47	13.47	13.47	14.7	0.0			
100	QPSK	1	1	13.54	13.54	13.54	14.7	0.0			
100	QPSK	1	137	13.27	13.27	13.27	14.7	0.0			
100	QPSK	135	271	13.29	13.29	13.29	14.7	0.0			
100	QPSK	135	0	13.42	13.42	13.42	14.7	0.0			
100	QPSK	135	69	13.57	13.57	13.57	14.7	0.0			
100	QPSK	135	138	13.47	13.47	13.47	14.7	0.0			
100	QPSK	270	0	13.46	13.46	13.46	14.7	0.0			
100	16QAM	1	1	13.59	13.59	13.59	14.7	0.0			
100	16QAM	1	1	13.48	13.48	13.48	14.7	0.0			
100	256QAM	1	1	13.60	13.60	13.60	14.7	0.0			
Channel							63000	63332	63666	Tune-up limit	MPR
Frequency (MHz)							3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.37	13.43	13.45	14.7	0.0			
Channel							632688	633332	634000	Tune-up limit	MPR
Frequency (MHz)							3495.02	3499.98	3500	(dBm)	(dB)
80	QPSK	1	1	13.47	13.34	13.42	14.7	0.0			
Channel							632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)							3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.42	13.42	13.38	14.7	0.0			
Channel							632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)							3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	13.33	13.32	13.35	14.7	0.0			
Channel							631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)							3475.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	13.44	13.45	13.42	14.7	0.0			
Channel							631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)							3470.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	13.38	13.39	13.45	14.7	0.0			
Channel							631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)							3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.43	13.44	13.41	14.7	0.0			
Channel							630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)							3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.32	13.37	13.34	14.7	0.0			
Channel							630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)							3457.5	3499.98	3542.45	(dBm)	(dB)
15	QPSK	1	1	13.38	13.36	13.44	14.7	0.0			
Channel							630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)							3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.45	13.42	13.33	14.7	0.0			



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	850000	850000	850000		
Frequency (MHz)	3750	3840	3930		
100 QPSK	13.29	13.35	13.22		
100 QPSK	137	13.32	13.05	14.7	0.0
100 QPSK	1	13.10	13.01	12.98	
100 QPSK	137	13.02	13.18	13.07	
100 QPSK	137	13.01	13.19	13.15	
100 QPSK	137	13.00	13.14	13.11	
100 QPSK	273	13.11	13.18	12.97	14.7
100 16QAM	1	13.16	13.18	13.09	14.7
100 16QAM	1	12.98	13.21	13.32	14.7
100 256QAM	1	13.20	13.13	13.13	14.7
Channel	850000	850000	850000		
Frequency (MHz)	3745.02	3840	3934.98		
90 QPSK	13.27	13.15	13.15	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3740.01	3840	3939.99		
80 QPSK	13.19	13.22	13.22	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3735	3840	3945		
70 QPSK	13.11	13.14	13.20	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3730.02	3840	3949.98		
60 QPSK	13.22	13.14	13.22	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3725.01	3840	3954.99		
50 QPSK	13.24	13.23	13.30	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3720	3840	3960		
40 QPSK	13.14	13.29	13.10	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3715.02	3840.00	3964.98		
30 QPSK	13.16	13.22	13.22	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3710.01	3840	3969.99		
20 QPSK	13.25	13.17	13.12	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3707.52	3840	3972.48		
15 QPSK	13.24	13.29	13.30	14.7	0.0
Channel	850000	850000	850000		
Frequency (MHz)	3705	3840	3975		
10 QPSK	13.23	13.22	13.24	14.7	0.0

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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	833000	833000	833000		
Frequency (MHz)	3495	3495	3495		
100 QPSK	1	1	1		
100 QPSK	1	137	1		
100 QPSK	1	271	1		
100 QPSK	137	0	13.23		
100 QPSK	137	68	13.48		
100 QPSK	137	138	13.43		
100 QPSK	273	0	13.35		
100 16QAM	1	1	13.52		
100 16QAM	1	1	13.41		
100 256QAM	1	1	13.52		
Channel	833000	833000	833000		
Frequency (MHz)	3495	3495.98	3504.99		
90 QPSK	1	1	13.40	13.32	13.32
Channel	833000	833000	833000		
Frequency (MHz)	3490.02	3495.98	3510		
80 QPSK	1	1	13.36	13.45	13.34
Channel	833000	833000	833000		
Frequency (MHz)	3485.01	3495.98	3514.98		
70 QPSK	1	1	13.51	13.45	13.50
Channel	833000	833000	833000		
Frequency (MHz)	3480	3495.98	3519.98		
60 QPSK	1	1	13.52	13.55	13.47
Channel	833000	833000	833000		
Frequency (MHz)	3475.02	3495.98	3525		
50 QPSK	1	1	13.55	13.45	13.45
Channel	833000	833000	833000		
Frequency (MHz)	3470.01	3495.98	3529.98		
40 QPSK	1	1	13.55	13.47	13.47
Channel	833000	833000	833000		
Frequency (MHz)	3465.02	3495.98	3534.99		
30 QPSK	1	1	13.55	13.47	13.47
Channel	833000	833000	833000		
Frequency (MHz)	3460.02	3495.98	3540		
20 QPSK	1	1	13.53	13.11	13.53
Channel	833000	833000	833000		
Frequency (MHz)	3455.01	3495.98	3544.98		
15 QPSK	1	1	13.53	13.42	13.42
Channel	833000	833000	833000		
Frequency (MHz)	3450.01	3495.98	3549		
10 QPSK	1	1	13.43	13.37	13.32



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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	18.16	18.26	18.15		
100	PV2 BPSK	1	137	17.90	17.97	17.97	19.7	0.0
100	PV2 BPSK	1	271	17.81	17.88	17.86		
100	PV2 BPSK	135	0	18.16	18.17	18.07	19.7	0.0
100	PV2 BPSK	135	69	17.95	18.00	17.97	19.7	0.0
100	PV2 BPSK	135	138	17.78	17.88	17.85	19.7	0.0
100	PV2 BPSK	270	0	18.01	18.05	17.93		
100	QPSK	1	1	18.25	18.31	18.29		
100	QPSK	1	137	17.85	18.00	17.97	19.7	0.0
100	QPSK	135	0	17.76	17.87	17.74		
100	QPSK	135	0	18.12	18.12	18.03		
100	QPSK	135	69	18.12	18.20	18.11	19.7	0.0
100	QPSK	135	138	17.90	18.00	17.89		
100	QPSK	270	0	17.97	18.11	17.98	19.7	0.0
100	16QAM	1	1	18.05	18.13	17.99	19.7	0.0
100	16QAM	1	1	18.23	18.28	18.13	19.7	0.0
100	256QAM	1	1	18.16	18.24	18.11	19.7	0.0
Channel				649688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	18.19	18.18	18.24	19.7	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	18.18	18.18	18.09	19.7	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.19	18.18	18.11	19.7	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3949.88	(dBm)	(dB)
60	QPSK	1	1	18.20	18.21	18.22	19.7	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	18.07	18.16	18.24	19.7	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.09	18.23	18.12	19.7	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840.00	3964.88	(dBm)	(dB)
30	QPSK	1	1	18.07	18.20	18.13	19.7	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	18.05	18.14	18.17	19.7	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	18.11	18.24	18.18	19.7	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3743.05	3840	3975	(dBm)	(dB)
10	QPSK	1	1	18.16	18.28	18.24	19.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq	Middle Ch. / Freq	High Ch. / Freq		
Channel								
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	18.16	18.26	18.15		
100	PV2 BPSK	1	137	17.90	17.97	17.97	19.7	0.0
100	PV2 BPSK	1	271	17.81	17.88	17.86		
100	PV2 BPSK	135	0	18.16	18.17	18.07	19.7	0.0
100	PV2 BPSK	135	69	17.95	18.00	17.97	19.7	0.0
100	PV2 BPSK	135	138	17.78	17.88	17.85	19.7	0.0
100	PV2 BPSK	270	0	18.01	18.05	17.93		
100	QPSK	1	1	18.25	18.31	18.29		
100	QPSK	1	137	17.85	18.00	17.97	19.7	0.0
100	QPSK	135	0	17.76	17.87	17.74		
100	QPSK	135	0	18.12	18.12	18.03		
100	QPSK	135	69	18.12	18.20	18.11	19.7	0.0
100	QPSK	135	138	17.90	18.00	17.89		
100	QPSK	270	0	17.97	18.11	17.98	19.7	0.0
100	16QAM	1	1	18.05	18.13	17.99	19.7	0.0
100	16QAM	1	1	18.23	18.28	18.13	19.7	0.0
100	256QAM	1	1	18.16	18.24	18.11	19.7	0.0
Channel				648688	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3934.89	(dBm)	(dB)
90	QPSK	1	1	18.19	18.18	18.24	19.7	0.0
Channel				648334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3935.89	(dBm)	(dB)
80	QPSK	1	1	18.18	18.18	18.09	19.7	0.0
Channel				648000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.19	18.18	18.11	19.7	0.0
Channel				648688	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3949.88	(dBm)	(dB)
60	QPSK	1	1	18.20	18.21	18.22	19.7	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3954.89	(dBm)	(dB)
50	QPSK	1	1	18.07	18.16	18.24	19.7	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.09	18.23	18.12	19.7	0.0
Channel				647688	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840.00	3964.88	(dBm)	(dB)
30	QPSK	1	1	18.07	18.20	18.13	19.7	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3969.89	(dBm)	(dB)
20	QPSK	1	1	18.05	18.14	18.17	19.7	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3743.02	3840	3972.48	(dBm)	(dB)
15	QPSK	1	1	18.11	18.24	18.18	19.7	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3743.05	3840	3975	(dBm)	(dB)
10	QPSK	1	1	18.16	18.28	18.24	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	18.90	18.90		19.7	0.0
100	PV2 BPSK	1	137	18.85	18.85			
100	PV2 BPSK	1	271	18.68	18.68			
100	PV2 BPSK	135	0	18.85	0			
100	PV2 BPSK	135	69	18.82	69			
100	PV2 BPSK	135	138	18.70	138			
100	PV2 BPSK	270	0	18.75	0			
100	QPSK	1	1	18.92	18.92			
100	QPSK	1	137	18.75	137			
100	QPSK	135	0	18.52	0			
100	QPSK	135	69	18.86	69			
100	QPSK	135	138	18.68	138			
100	QPSK	270	0	18.78	0			
100	16QAM	1	1	18.70	18.70			
100	16QAM	1	1	18.82	18.7			
100	256QAM	1	1	18.74	18.7			
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	18.84	18.72	18.71	19.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	18.88	18.71	18.71	19.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	18.88	18.77	18.80	19.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	18.77	18.73	18.85	19.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	18.86	18.74	18.85	19.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	18.76	18.76	18.81	19.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	18.90	18.73	18.80	19.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	18.88	18.76	18.78	19.7	0.0
Channel				630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3502.45	(dBm)	(dB)
15	QPSK	1	1	18.84	18.73	18.83	19.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	18.80	18.84	18.75	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	18.90	18.90		19.7	0.0
100	PV2 BPSK	1	137	18.85	18.85			
100	PV2 BPSK	1	271	18.68	18.68			
100	PV2 BPSK	135	0	18.85	0			
100	PV2 BPSK	135	69	18.82	69			
100	PV2 BPSK	135	138	18.70	138			
100	PV2 BPSK	270	0	18.75	0			
100	QPSK	1	1	18.92	18.92			
100	QPSK	1	137	18.75	137			
100	QPSK	135	0	18.52	0			
100	QPSK	135	69	18.86	69			
100	QPSK	135	138	18.68	138			
100	QPSK	270	0	18.78	0			
100	16QAM	1	1	18.70	18.70			
100	16QAM	1	1	18.82	18.7			
100	256QAM	1	1	18.74	18.7			
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	18.84	18.72	18.71	19.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	18.88	18.71	18.71	19.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	18.88	18.77	18.80	19.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	18.77	18.73	18.85	19.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	18.86	18.74	18.85	19.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	18.76	18.76	18.81	19.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	18.90	18.73	18.80	19.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	18.88	18.76	18.78	19.7	0.0
Channel				630334	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3502.45	(dBm)	(dB)
15	QPSK	1	1	18.84	18.73	18.83	19.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	18.80	18.84	18.75	19.7	0.0



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	850000	860000	860000		
Frequency (MHz)	3750	3840	3930		
100	18.15	18.30	18.16		
100	17.81	17.89	17.84	19.7	0.0
100	17.86	17.77	17.63		
100	18.09	18.08	17.93		
100	18.08	18.19	18.03	19.7	0.0
100	17.81	17.97	17.72		
100	17.82	18.04	17.94	19.7	0.0
100	17.97	18.12	17.92	19.7	0.0
100	18.17	18.21	18.08	19.7	0.0
100	18.13	18.23	17.96	19.7	0.0
100	850983	852000	852332	Tune-up limit	MPR
Channel	3745.02	3840	3934.98	(dBm)	(dB)
90	18.22	18.17	18.04	19.7	0.0
Channel	859343	852000	860000	Tune-up limit	MPR
Frequency (MHz)	3740.01	3840	3939.99	(dBm)	(dB)
80	18.16	18.10	18.00	19.7	0.0
Channel	849000	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3735	3840	3945	(dBm)	(dB)
70	18.22	18.28	18.10	19.7	0.0
Channel	848688	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3730.02	3840	3949.98	(dBm)	(dB)
60	18.16	18.20	18.10	19.7	0.0
Channel	848334	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3725.01	3840	3954.99	(dBm)	(dB)
50	18.20	18.29	18.15	19.7	0.0
Channel	848000	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3720	3840	3960	(dBm)	(dB)
40	18.09	18.19	18.05	19.7	0.0
Channel	847688	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3715.02	3840.00	3964.98	(dBm)	(dB)
30	18.07	18.17	18.10	19.7	0.0
Channel	847334	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3710.01	3840	3969.99	(dBm)	(dB)
20	18.09	18.20	18.10	19.7	0.0
Channel	847168	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3707.52	3840	3972.48	(dBm)	(dB)
15	18.12	18.20	18.10	19.7	0.0
Channel	847000	850000	860000	Tune-up limit	MPR
Frequency (MHz)	3705	3840	3975	(dBm)	(dB)
10	18.10	18.19	18.10	19.7	0.0

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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	833000	833332	833332		
Frequency (MHz)	3495	3499.98	3504.99		
100	18.76	18.67	18.60	19.7	0.0
100	18.56	18.56	18.56		
100	18.40	18.40	18.40		
100	18.75	18.75	18.75	19.7	0.0
100	18.77	18.77	18.77		
100	18.86	18.86	18.86		
100	18.76	18.76	18.76	19.7	0.0
100	18.55	18.55	18.55	19.7	0.0
100	18.73	18.73	18.73	19.7	0.0
100	18.59	18.59	18.59	19.7	0.0
100	833000	833332	833666	Tune-up limit	MPR
Channel	3495	3499.98	3504.99	(dBm)	(dB)
90	18.76	18.67	18.60	19.7	0.0
Channel	832688	833332	833000	Tune-up limit	MPR
Frequency (MHz)	3490.02	3499.98	3510	(dBm)	(dB)
80	18.71	18.68	18.69	19.7	0.0
Channel	832334	833332	834332	Tune-up limit	MPR
Frequency (MHz)	3485.01	3499.98	3514.98	(dBm)	(dB)
70	18.53	18.77	18.57	19.7	0.0
Channel	832000	833332	834666	Tune-up limit	MPR
Frequency (MHz)	3480	3499.98	3519.98	(dBm)	(dB)
60	18.61	18.64	18.70	19.7	0.0
Channel	831688	833332	835000	Tune-up limit	MPR
Frequency (MHz)	3475.02	3499.98	3525	(dBm)	(dB)
50	18.73	18.65	18.59	19.7	0.0
Channel	831334	833332	835332	Tune-up limit	MPR
Frequency (MHz)	3470.01	3499.98	3529.98	(dBm)	(dB)
40	18.71	18.63	18.74	19.7	0.0
Channel	831000	833332	835666	Tune-up limit	MPR
Frequency (MHz)	3465	3499.98	3534.99	(dBm)	(dB)
30	18.74	18.64	18.69	19.7	0.0
Channel	830688	833332	836000	Tune-up limit	MPR
Frequency (MHz)	3460.02	3499.98	3540	(dBm)	(dB)
20	18.69	18.63	18.53	19.7	0.0
Channel	830500	833332	836166	Tune-up limit	MPR
Frequency (MHz)	3457.5	3499.98	3542.49	(dBm)	(dB)
15	18.63	18.72	18.71	19.7	0.0
Channel	830334	833332	836332	Tune-up limit	MPR
Frequency (MHz)	3455.01	3499.98	3544.98	(dBm)	(dB)
10	18.73	18.60	18.62	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	Pi/2 BPSK	1	1	13.87	13.87	13.87	15.2	0.0
100	Pi/2 BPSK	1	137	13.84	13.84	13.84		
100	Pi/2 BPSK	1	271	13.89	13.89	13.89		
100	Pi/2 BPSK	135	0	13.86	13.86	13.86		
100	Pi/2 BPSK	135	69	14.00	14.00	14.00		
100	Pi/2 BPSK	135	138	13.73	13.73	13.73		
100	Pi/2 BPSK	270	0	13.84	13.84	13.84		
100	QPSK	1	1	14.19	14.19	14.19		
100	QPSK	1	137	13.88	13.88	13.88		
100	QPSK	1	271	13.86	13.86	13.86		
100	QPSK	135	0	13.89	13.89	13.89		
100	QPSK	135	69	13.99	13.99	13.99		
100	QPSK	135	138	13.86	13.86	13.86		
100	QPSK	270	0	14.07	14.07	14.07		
100	16QAM	1	1	13.89	13.89	13.89		
100	16QAM	1	1	13.78	13.78	13.78		
100	256QAM	1	1	13.83	13.83	13.83		
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	13.93	13.97	13.83	15.2	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3750	3756.99	(dBm)	(dB)
80	QPSK	1	1	13.92	13.94	13.94	15.2	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3741	3750	3759	(dBm)	(dB)
70	QPSK	1	1	13.82	13.90	13.97	15.2	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3739	3750	3760.98	(dBm)	(dB)
60	QPSK	1	1	13.78	13.99	13.84	15.2	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3737.01	3750	3762.99	(dBm)	(dB)
50	QPSK	1	1	13.78	13.88	13.89	15.2	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3761	(dBm)	(dB)
40	QPSK	1	1	13.90	13.82	13.83	15.2	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3733.02	3750.00	3764.98	(dBm)	(dB)
30	QPSK	1	1	13.83	13.92	13.84	15.2	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3731.01	3750	3766.99	(dBm)	(dB)
20	QPSK	1	1	13.84	13.99	13.82	15.2	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3729	3750	3765	(dBm)	(dB)
10	QPSK	1	1	13.83	13.96	13.89	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				650000				
100	Pi/2 BPSK	1	1	13.87	13.87	13.87	15.2	0.0
100	Pi/2 BPSK	1	137	13.84	13.84	13.84		
100	Pi/2 BPSK	1	271	13.89	13.89	13.89		
100	Pi/2 BPSK	135	0	13.86	13.86	13.86		
100	Pi/2 BPSK	135	69	14.00	14.00	14.00		
100	Pi/2 BPSK	135	138	13.73	13.73	13.73		
100	Pi/2 BPSK	270	0	13.84	13.84	13.84		
100	QPSK	1	1	14.19	14.19	14.19		
100	QPSK	1	137	13.88	13.88	13.88		
100	QPSK	1	271	13.86	13.86	13.86		
100	QPSK	135	0	13.89	13.89	13.89		
100	QPSK	135	69	13.99	13.99	13.99		
100	QPSK	135	138	13.86	13.86	13.86		
100	QPSK	270	0	14.07	14.07	14.07		
100	16QAM	1	1	13.89	13.89	13.89		
100	16QAM	1	1	13.78	13.78	13.78		
100	256QAM	1	1	13.83	13.83	13.83		
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	13.93	13.97	13.83	15.2	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3743.01	3750	3756.99	(dBm)	(dB)
80	QPSK	1	1	13.92	13.94	13.94	15.2	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3741	3750	3759	(dBm)	(dB)
70	QPSK	1	1	13.82	13.90	13.97	15.2	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3739	3750	3760.98	(dBm)	(dB)
60	QPSK	1	1	13.78	13.99	13.84	15.2	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3737.01	3750	3762.99	(dBm)	(dB)
50	QPSK	1	1	13.78	13.88	13.89	15.2	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3761	(dBm)	(dB)
40	QPSK	1	1	13.90	13.82	13.83	15.2	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3733.02	3750.00	3764.98	(dBm)	(dB)
30	QPSK	1	1	13.83	13.92	13.84	15.2	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3731.01	3750	3766.99	(dBm)	(dB)
20	QPSK	1	1	13.84	13.99	13.82	15.2	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3729	3750	3765	(dBm)	(dB)
10	QPSK	1	1	13.83	13.96	13.89	15.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	14.01				
100	PV2 BPSK	1	137	13.81				
100	PV2 BPSK	1	271	13.65				
100	PV2 BPSK	135	0	13.83			15.2	0.0
100	PV2 BPSK	135	69	14.08			15.2	0.0
100	PV2 BPSK	135	138	13.88			15.2	0.0
100	PV2 BPSK	270	0	13.71			15.2	0.0
100	QPSK	1	1	14.09				
100	QPSK	1	137	13.84			15.2	0.0
100	QPSK	135	0	13.72				
100	QPSK	135	69	13.93				
100	QPSK	135	138	13.99			15.2	0.0
100	QPSK	270	0	13.81			15.2	0.0
100	QPSK	270	0	13.79			15.2	0.0
100	16QAM	1	1	13.98			15.2	0.0
100	16QAM	1	1	13.85			15.2	0.0
100	256QAM	1	1	13.88			15.2	0.0
Channel				63000	633332	63666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.88	13.81	13.72	15.2	0.0
Channel				632688	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)
80	QPSK	1	1	13.97	13.71	13.73	15.2	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3504.99	(dBm)	(dB)
70	QPSK	1	1	14.01	13.72	13.76	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3500.99	(dBm)	(dB)
60	QPSK	1	1	13.89	13.75	13.81	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3500	(dBm)	(dB)
50	QPSK	1	1	13.85	13.72	13.67	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3500.99	(dBm)	(dB)
40	QPSK	1	1	13.89	13.77	13.67	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	13.94	13.83	13.71	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	13.95	13.86	13.85	15.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	13.95	13.81	13.68	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	PV2 BPSK	1	1	14.01				
100	PV2 BPSK	1	137	13.81			15.2	0.0
100	PV2 BPSK	1	271	13.65				
100	PV2 BPSK	135	0	13.83			15.2	0.0
100	PV2 BPSK	135	69	14.08			15.2	0.0
100	PV2 BPSK	135	138	13.88			15.2	0.0
100	PV2 BPSK	270	0	13.71			15.2	0.0
100	QPSK	1	1	14.09				
100	QPSK	1	137	13.84			15.2	0.0
100	QPSK	135	0	13.72				
100	QPSK	135	69	13.93				
100	QPSK	135	138	13.99			15.2	0.0
100	QPSK	270	0	13.81			15.2	0.0
100	QPSK	270	0	13.79			15.2	0.0
100	16QAM	1	1	13.98			15.2	0.0
100	16QAM	1	1	13.85			15.2	0.0
100	256QAM	1	1	13.88			15.2	0.0
Channel				63000	633332	63666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.88	13.81	13.72	15.2	0.0
Channel				632688	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)
80	QPSK	1	1	13.97	13.71	13.73	15.2	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3504.99	(dBm)	(dB)
70	QPSK	1	1	14.01	13.72	13.76	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3500.99	(dBm)	(dB)
60	QPSK	1	1	13.89	13.75	13.81	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3500	(dBm)	(dB)
50	QPSK	1	1	13.85	13.72	13.67	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3500.99	(dBm)	(dB)
40	QPSK	1	1	13.89	13.77	13.67	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	13.94	13.83	13.71	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3500	(dBm)	(dB)
20	QPSK	1	1	13.95	13.86	13.85	15.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3504.98	(dBm)	(dB)
10	QPSK	1	1	13.95	13.81	13.68	15.2	0.0



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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)	MPR (dB)		
Channel										
Frequency (MHz)				3750						
100	QPSK	1	1	14.18			15.2	0.0		
100	QPSK	1	137	13.75						
100	QPSK	1	271	13.49						
100	QPSK	137	0	13.71			15.2	0.0		
100	QPSK	137	68	13.88						
100	QPSK	137	138	13.68						
100	QPSK	273	0	13.88			15.2	0.0		
100	16QAM	1	1	13.78						
100	64QAM	1	1	13.70						
100	256QAM	1	1	13.60			15.2	0.0		
Channel				649688	650000	650332			Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98			(dBm)	(dB)
90	QPSK	1	1	13.80	14.00	14.02	15.2	0.0		
Channel				65534	650000	650596	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)		
80	QPSK	1	1	13.31	14.11	14.00	15.2	0.0		
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1	13.56	14.13	13.90	15.2	0.0		
Channel				649688	650000	651332	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)		
60	QPSK	1	1	13.51	14.00	14.04	15.2	0.0		
Channel				648334	650000	651666	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)		
50	QPSK	1	1	13.13	14.15	13.92	15.2	0.0		
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1	13.79	14.09	13.99	15.2	0.0		
Channel				647968	650000	652332	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)		
30	QPSK	1	1	13.11	14.10	13.99	15.2	0.0		
Channel				647334	650000	652666	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)		
20	QPSK	1	1	13.19	14.08	13.91	15.2	0.0		
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1	13.78	14.12	14.00	15.2	0.0		

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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)	MPR (dB)		
Channel										
Frequency (MHz)				3499.98						
100	QPSK	1	1	14.08			15.2	0.0		
100	QPSK	1	137	13.71						
100	QPSK	1	271	13.70						
100	QPSK	137	0	13.90			15.2	0.0		
100	QPSK	137	68	13.85						
100	QPSK	137	138	13.72						
100	QPSK	273	0	13.70			15.2	0.0		
100	16QAM	1	1	13.90						
100	64QAM	1	1	13.72						
100	256QAM	1	1	13.74			15.2	0.0		
Channel				633000	633332	633666			Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99			(dBm)	(dB)
90	QPSK	1	1	13.96	13.92	13.90	15.2	0.0		
Channel				632666	633332	634000	Tune-up limit	MPR		
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)		
80	QPSK	1	1	13.50	13.98	13.95	15.2	0.0		
Channel				632334	633332	634332	Tune-up limit	MPR		
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)		
70	QPSK	1	1	13.82	13.89	13.92	15.2	0.0		
Channel				632000	633332	634666	Tune-up limit	MPR		
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)		
60	QPSK	1	1	13.86	13.88	13.84	15.2	0.0		
Channel				631666	633332	635000	Tune-up limit	MPR		
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)		
50	QPSK	1	1	13.92	13.92	13.97	15.2	0.0		
Channel				631334	633332	635332	Tune-up limit	MPR		
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)		
40	QPSK	1	1	13.91	14.04	13.95	15.2	0.0		
Channel				631000	633332	635666	Tune-up limit	MPR		
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)		
30	QPSK	1	1	13.85	13.93	13.95	15.2	0.0		
Channel				630666	633332	636000	Tune-up limit	MPR		
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)		
20	QPSK	1	1	13.99	14.01	13.97	15.2	0.0		
Channel				630334	633332	636332	Tune-up limit	MPR		
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)		
10	QPSK	1	1	13.88	13.98	13.92	15.2	0.0		



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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)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	Pi2 BPSK	1	1	20.30				
100	Pi2 BPSK	1	137	20.28			21.7	0.0
100	Pi2 BPSK	1	271	20.12				
100	Pi2 BPSK	135	0	20.19			21.7	0.0
100	Pi2 BPSK	135	69	20.18			21.7	0.0
100	Pi2 BPSK	135	138	20.22			21.7	0.0
100	Pi2 BPSK	270	0	20.13				
100	QPSK	1	1	20.48				
100	QPSK	1	137	20.45			21.7	0.0
100	QPSK	135	0	20.08				
100	QPSK	135	69	20.27				
100	QPSK	135	138	20.29			21.7	0.0
100	QPSK	270	0	20.07			21.7	0.0
100	16QAM	1	1	20.35			21.7	0.0
100	16QAM	1	1	18.40			20.2	1.5
100	256QAM	1	1	17.46			19.2	3.5
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	20.37	20.42	20.37	21.7	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	20.38	20.37	20.39	21.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.41	20.37	20.47	21.7	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	20.40	20.45	20.44	21.7	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	20.42	20.39	20.44	21.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.38	20.42	20.44	21.7	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	20.45	20.38	20.42	21.7	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	20.42	20.40	20.39	21.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	20.40	20.39	20.46	21.7	0.0

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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)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	Pi2 BPSK	1	1	20.30				
100	Pi2 BPSK	1	137	20.28			21.7	0.0
100	Pi2 BPSK	1	271	20.12				
100	Pi2 BPSK	135	0	20.19			21.7	0.0
100	Pi2 BPSK	135	69	20.18			21.7	0.0
100	Pi2 BPSK	135	138	20.22			21.7	0.0
100	Pi2 BPSK	270	0	20.13				
100	QPSK	1	1	20.48				
100	QPSK	1	137	20.45			21.7	0.0
100	QPSK	135	0	20.08				
100	QPSK	135	69	20.27				
100	QPSK	135	138	20.29			21.7	0.0
100	QPSK	270	0	20.07			21.7	0.0
100	16QAM	1	1	20.35			21.7	0.0
100	16QAM	1	1	18.40			20.2	1.5
100	256QAM	1	1	17.46			19.2	3.5
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	20.37	20.42	20.37	21.7	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	20.38	20.37	20.39	21.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	20.41	20.37	20.47	21.7	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	20.40	20.45	20.44	21.7	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	20.42	20.39	20.44	21.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	20.38	20.42	20.44	21.7	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	20.45	20.38	20.42	21.7	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	20.42	20.40	20.39	21.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	20.40	20.39	20.46	21.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi2 BPSK	1	1	20.52				
100	Pi2 BPSK	1	137	20.48				
100	Pi2 BPSK	1	271	20.37				
100	Pi2 BPSK	135	0	20.41			21.7	0.0
100	Pi2 BPSK	135	69	20.33			21.7	0.0
100	Pi2 BPSK	135	138	20.38			21.7	0.0
100	Pi2 BPSK	270	0	20.38			21.7	0.0
100	QPSK	1	1	20.51				
100	QPSK	1	137	20.60			21.7	0.0
100	QPSK	135	0	20.53				
100	QPSK	135	69	20.51				
100	QPSK	135	138	20.54			21.7	0.0
100	QPSK	135	138	20.38			21.7	0.0
100	QPSK	270	0	20.50			21.7	0.0
100	16QAM	1	1	20.60			21.7	0.0
100	16QAM	1	1	19.22			20.2	1.5
100	256QAM	1	1	17.41			19.2	3.5
Channel				63000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.96	(dBm)	(dB)
90	QPSK	1	1	20.50	20.54	20.48	21.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	20.59	20.52	20.49	21.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	20.57	20.49	20.53	21.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.96	(dBm)	(dB)
60	QPSK	1	1	20.55	20.50	20.47	21.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	20.55	20.47	20.55	21.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	20.51	20.48	20.52	21.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.96	(dBm)	(dB)
30	QPSK	1	1	20.52	20.57	20.47	21.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	20.54	20.52	20.55	21.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	20.45	20.57	20.49	21.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi2 BPSK	1	1	20.52				
100	Pi2 BPSK	1	137	20.48			21.7	0.0
100	Pi2 BPSK	1	271	20.37				
100	Pi2 BPSK	135	0	20.41			21.7	0.0
100	Pi2 BPSK	135	69	20.33			21.7	0.0
100	Pi2 BPSK	135	138	20.38			21.7	0.0
100	Pi2 BPSK	270	0	20.38			21.7	0.0
100	QPSK	1	1	20.51				
100	QPSK	1	137	20.60			21.7	0.0
100	QPSK	135	0	20.53				
100	QPSK	135	69	20.54			21.7	0.0
100	QPSK	135	138	20.38			21.7	0.0
100	QPSK	270	0	20.50			21.7	0.0
100	16QAM	1	1	20.60			21.7	0.0
100	16QAM	1	1	19.22			20.2	1.5
100	256QAM	1	1	17.41			19.2	3.5
Channel				63000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.96	(dBm)	(dB)
90	QPSK	1	1	20.50	20.54	20.48	21.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	20.59	20.52	20.49	21.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	20.57	20.49	20.53	21.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.96	(dBm)	(dB)
60	QPSK	1	1	20.55	20.50	20.47	21.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	20.55	20.47	20.55	21.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	20.51	20.48	20.52	21.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.96	(dBm)	(dB)
30	QPSK	1	1	20.52	20.57	20.47	21.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	20.54	20.52	20.55	21.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	20.45	20.57	20.49	21.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				850000	850000	850000		
100	QPSK	1	1	3750	3750	3750		
100	QPSK	1	137		20.26		21.2	0.0
100	QPSK	1	271		20.13			
100	QPSK	137	0		20.08			
100	QPSK	137	68		20.05		21.2	0.0
100	QPSK	137	138		20.00			
100	QPSK	273	0		20.08		21.2	0.0
100	16QAM	1	1		20.13		21.2	0.0
100	64QAM	1	1		20.21		21.2	0.0
100	256QAM	1	1		17.10	18.2	31.0	
Channel								
Frequency (MHz)				646668	650000	650332	Tune-up limit	MPR
90	QPSK	1	1	3745.02	3750	3754.98	(dBm)	(dB)
Channel								
Frequency (MHz)				20.18	20.09	20.04	21.2	0.0
80	QPSK	1	1	3740.01	3750	3759.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.19	20.18	20.05	21.2	0.0
70	QPSK	1	1	3735	3750	3765	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.11	20.09	20.02	21.2	0.0
60	QPSK	1	1	3730.02	3750	3769.98	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.20	20.14	20.14	21.2	0.0
50	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.15	20.20	20.30	21.2	0.0
40	QPSK	1	1	3720	3750	3780	Tune-up limit	MPR
Channel								
Frequency (MHz)				647668	650000	652332	Tune-up limit	MPR
30	QPSK	1	1	3715.02	3750.00	3784.98	Tune-up limit	MPR
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit	MPR
20	QPSK	1	1	3710.01	3750	3789.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit	MPR
10	QPSK	1	1	3705	3750	3795	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.20	20.19	20.14	21.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				833332	833332	833332		
100	QPSK	1	1	3499.98	3499.98	3499.98		
100	QPSK	1	137		20.22		21.2	0.0
100	QPSK	1	271		20.10			
100	QPSK	137	0		19.68			
100	QPSK	137	68		20.14		21.2	0.0
100	QPSK	137	138		19.65			
100	QPSK	273	0		19.59		21.2	0.0
100	16QAM	1	1		20.20		21.2	0.0
100	64QAM	1	1		20.00		21.2	0.0
100	256QAM	1	1		17.17	18.2	31.0	
Channel								
Frequency (MHz)				633000	633332	633666	Tune-up limit	MPR
90	QPSK	1	1	3495	3499.98	3504.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.08	20.08	20.01	21.2	0.0
80	QPSK	1	1	3490.02	3499.98	3510	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.15	20.14	20.05	21.2	0.0
70	QPSK	1	1	3485.01	3499.98	3514.98	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.17	20.08	20.01	21.2	0.0
60	QPSK	1	1	3480	3499.98	3519.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.16	20.17	20.10	21.2	0.0
50	QPSK	1	1	3475.02	3499.98	3525	Tune-up limit	MPR
Channel								
Frequency (MHz)				633168	633332	633500	Tune-up limit	MPR
40	QPSK	1	1	3470.01	3499.98	3530.98	Tune-up limit	MPR
Channel								
Frequency (MHz)				633100	633332	633566	Tune-up limit	MPR
30	QPSK	1	1	3465	3499.98	3534.99	Tune-up limit	MPR
Channel								
Frequency (MHz)				633068	633332	633600	Tune-up limit	MPR
20	QPSK	1	1	3460.02	3499.98	3540	Tune-up limit	MPR
Channel								
Frequency (MHz)				633011	633332	633632	Tune-up limit	MPR
10	QPSK	1	1	3455.01	3499.98	3544.98	Tune-up limit	MPR
Channel								
Frequency (MHz)				20.13	20.03	20.13	21.2	0.0



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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)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	13.10	13.10	13.10		
100	PV2 BPSK	1	137	13.08	13.08	13.08	14.7	0.0
100	PV2 BPSK	1	271	13.08	13.08	13.08		
100	PV2 BPSK	135	0	13.08	13.08	13.08	14.7	0.0
100	PV2 BPSK	135	69	12.95	12.95	12.95	14.7	0.0
100	PV2 BPSK	135	138	13.07	13.07	13.07	14.7	0.0
100	PV2 BPSK	270	0	13.02	13.02	13.02		
100	QPSK	1	1	13.17	13.17	13.17		
100	QPSK	1	137	13.05	13.05	13.05	14.7	0.0
100	QPSK	1	271	13.06	13.06	13.06		
100	QPSK	135	0	13.07	13.07	13.07		
100	QPSK	135	69	13.16	13.16	13.16	14.7	0.0
100	QPSK	135	138	13.04	13.04	13.04	14.7	0.0
100	QPSK	270	0	13.01	13.01	13.01	14.7	0.0
100	16QAM	1	1	13.06	13.06	13.06	14.7	0.0
100	16QAM	1	1	13.03	13.03	13.03	14.7	0.0
100	256QAM	1	1	13.00	13.00	13.00	14.7	0.0
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	13.03	13.03	13.03	14.7	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	13.07	13.10	12.99	14.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	13.07	13.03	12.98	14.7	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	13.08	13.03	13.07	14.7	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	13.08	13.07	12.98	14.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	13.08	13.07	13.04	14.7	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	13.09	13.09	12.97	14.7	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	13.04	13.04	13.06	14.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	13.04	13.07	13.05	14.7	0.0

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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)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	13.10	13.10	13.10		
100	PV2 BPSK	1	137	13.08	13.08	13.08	14.7	0.0
100	PV2 BPSK	1	271	13.08	13.08	13.08		
100	PV2 BPSK	135	0	13.08	13.08	13.08	14.7	0.0
100	PV2 BPSK	135	69	12.95	12.95	12.95	14.7	0.0
100	PV2 BPSK	135	138	13.07	13.07	13.07	14.7	0.0
100	PV2 BPSK	270	0	13.02	13.02	13.02		
100	QPSK	1	1	13.17	13.17	13.17		
100	QPSK	1	137	13.05	13.05	13.05	14.7	0.0
100	QPSK	1	271	13.06	13.06	13.06		
100	QPSK	135	0	13.07	13.07	13.07		
100	QPSK	135	69	13.16	13.16	13.16	14.7	0.0
100	QPSK	135	138	13.04	13.04	13.04	14.7	0.0
100	QPSK	270	0	13.01	13.01	13.01	14.7	0.0
100	16QAM	1	1	13.06	13.06	13.06	14.7	0.0
100	16QAM	1	1	13.03	13.03	13.03	14.7	0.0
100	256QAM	1	1	13.00	13.00	13.00	14.7	0.0
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	13.03	13.03	13.03	14.7	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	13.07	13.10	12.99	14.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	13.07	13.03	12.98	14.7	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	13.08	13.03	13.07	14.7	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	13.08	13.07	12.98	14.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	13.08	13.07	13.04	14.7	0.0
Channel				647688	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	13.09	13.09	12.97	14.7	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	13.04	13.04	13.06	14.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	13.04	13.07	13.05	14.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi/2 BPSK	1	1	13.28				
100	Pi/2 BPSK	1	137	13.27				
100	Pi/2 BPSK	1	271	13.25				
100	Pi/2 BPSK	135	0	13.23			14.7	0.0
100	Pi/2 BPSK	135	69	13.34			14.7	0.0
100	Pi/2 BPSK	135	138	13.20			14.7	0.0
100	Pi/2 BPSK	270	0	13.25			14.7	0.0
100	QPSK	1	1	13.40				
100	QPSK	1	137	13.33			14.7	0.0
100	QPSK	135	271	13.33				
100	QPSK	135	0	13.23				
100	QPSK	135	69	13.28			14.7	0.0
100	QPSK	135	138	13.22			14.7	0.0
100	QPSK	270	0	13.28			14.7	0.0
100	16QAM	1	1	13.35			14.7	0.0
100	16QAM	1	1	13.22			14.7	0.0
100	256QAM	1	1	13.16			14.7	0.0
Channel				63000	63332	63666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.24	13.13	13.32	14.7	0.0
Channel				632688	63332	634000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3501	(dBm)	(dB)
80	QPSK	1	1	13.24	13.15	13.23	14.7	0.0
Channel				632334	63332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.32	13.22	13.30	14.7	0.0
Channel				632000	63332	634666	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	13.28	13.19	13.27	14.7	0.0
Channel				631668	63332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	13.34	13.21	13.32	14.7	0.0
Channel				631334	63332	635332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	13.29	13.15	13.29	14.7	0.0
Channel				631000	63332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.24	13.22	13.27	14.7	0.0
Channel				630668	63332	636000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.31	13.13	13.25	14.7	0.0
Channel				630334	63332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.25	13.13	13.28	14.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				633332			3499.98	
100	Pi/2 BPSK	1	1	13.28				
100	Pi/2 BPSK	1	137	13.27			14.7	0.0
100	Pi/2 BPSK	1	271	13.25				
100	Pi/2 BPSK	135	0	13.23			14.7	0.0
100	Pi/2 BPSK	135	69	13.34			14.7	0.0
100	Pi/2 BPSK	135	138	13.20			14.7	0.0
100	Pi/2 BPSK	270	0	13.25			14.7	0.0
100	QPSK	1	1	13.40				
100	QPSK	1	137	13.33			14.7	0.0
100	QPSK	135	271	13.33				
100	QPSK	135	0	13.23				
100	QPSK	135	69	13.28			14.7	0.0
100	QPSK	135	138	13.22			14.7	0.0
100	QPSK	270	0	13.28			14.7	0.0
100	16QAM	1	1	13.35			14.7	0.0
100	16QAM	1	1	13.22			14.7	0.0
100	256QAM	1	1	13.16			14.7	0.0
Channel				63000	63332	63666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.24	13.13	13.32	14.7	0.0
Channel				632688	63332	634000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3501	(dBm)	(dB)
80	QPSK	1	1	13.24	13.15	13.23	14.7	0.0
Channel				632334	63332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.32	13.22	13.30	14.7	0.0
Channel				632000	63332	634666	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	13.28	13.19	13.27	14.7	0.0
Channel				631668	63332	635000	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3505	(dBm)	(dB)
50	QPSK	1	1	13.34	13.21	13.32	14.7	0.0
Channel				631334	63332	635332	Tune-up limit	MPR
Frequency (MHz)				3498.01	3499.98	3509.98	(dBm)	(dB)
40	QPSK	1	1	13.29	13.15	13.29	14.7	0.0
Channel				631000	63332	635666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.24	13.22	13.27	14.7	0.0
Channel				630668	63332	636000	Tune-up limit	MPR
Frequency (MHz)				3498.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.31	13.13	13.25	14.7	0.0
Channel				630334	63332	636332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.25	13.13	13.28	14.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	QPSK	1	1	13.15			14.7	0.0
100	QPSK	1	137	12.94				
100	QPSK	1	271	13.00				
100	QPSK	137	0	13.03			14.7	0.0
100	QPSK	137	68	13.10				
100	QPSK	137	138	12.97				
100	QPSK	273	0	12.95			14.7	0.0
100	16QAM	1	1	12.98		16.7		
100	64QAM	1	1	12.93		14.7		
100	256QAM	1	1	12.85		14.7	0.0	0.0
Channel				649688	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	12.95	13.00	12.98	14.7	0.0
Channel				649634	650000	650366	Tune-up limit	MPR
Frequency (MHz)				3749.01	3750	3750.99	(dBm)	(dB)
80	QPSK	1	1	13.12	13.02	12.95	14.7	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	12.99	13.03	12.90	14.7	0.0
Channel				648688	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	13.10	12.99	13.02	14.7	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	13.01	13.04	13.04	14.7	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	12.97	12.94	12.91	14.7	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750.00	3784.98	(dBm)	(dB)
30	QPSK	1	1	12.95	13.00	13.01	14.7	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	13.01	12.91	12.93	14.7	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	12.95	13.00	13.00	14.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	QPSK	1	1	13.35			14.7	0.0
100	QPSK	1	137	13.29				
100	QPSK	1	271	13.23				
100	QPSK	137	0	13.37			14.7	0.0
100	QPSK	137	68	13.17				
100	QPSK	137	138	13.14				
100	QPSK	273	0	13.34			14.7	0.0
100	16QAM	1	1	13.20		14.7		
100	64QAM	1	1	13.18		14.7		
100	256QAM	1	1	13.14		14.7	0.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.14	13.14	13.21	14.7	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	13.29	13.18	13.22	14.7	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	13.18	13.20	13.10	14.7	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	13.29	13.30	13.12	14.7	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	13.10	13.25	13.10	14.7	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	13.29	13.20	13.17	14.7	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.25	13.26	13.21	14.7	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.27	13.30	13.27	14.7	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.31	13.28	13.23	14.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)							3750	
100	Pi2 BPSK	1	1	18.18	18.18	18.18		
100	Pi2 BPSK	1	137	18.17	18.17	18.17	19.7	0.0
100	Pi2 BPSK	1	271	18.16	18.16	18.16		
100	Pi2 BPSK	135	0	18.09	18.09	18.09	19.7	0.0
100	Pi2 BPSK	135	69	18.04	18.04	18.04	19.7	0.0
100	Pi2 BPSK	135	138	18.13	18.13	18.13	19.7	0.0
100	Pi2 BPSK	270	0	18.12	18.12	18.12	19.7	0.0
100	QPSK	1	1	18.20	18.20	18.20		
100	QPSK	1	137	18.15	18.15	18.15	19.7	0.0
100	QPSK	1	271	18.03	18.03	18.03		
100	QPSK	135	0	18.13	18.13	18.13	19.7	0.0
100	QPSK	135	69	18.15	18.15	18.15	19.7	0.0
100	QPSK	135	138	18.06	18.06	18.06	19.7	0.0
100	QPSK	270	0	18.08	18.08	18.08	19.7	0.0
100	16QAM	1	1	18.17	18.17	18.17	19.7	0.0
100	16QAM	1	1	18.16	18.16	18.16	19.7	0.0
100	256QAM	1	1	18.08	18.08	18.08	19.7	0.0
Channel							649688	650000
Frequency (MHz)							3745.02	3754.98
90	QPSK	1	1	18.08	18.02	18.12	19.7	0.0
Channel							649334	650000
Frequency (MHz)							3743.01	3752.99
80	QPSK	1	1	18.08	18.07	18.02	19.7	0.0
Channel							649000	651000
Frequency (MHz)							3735	3765
70	QPSK	1	1	18.13	18.02	18.15	19.7	0.0
Channel							648688	650000
Frequency (MHz)							3728.02	3738.98
60	QPSK	1	1	18.09	18.08	18.04	19.7	0.0
Channel							648334	650000
Frequency (MHz)							3726.01	3735.99
50	QPSK	1	1	18.00	17.99	18.10	19.7	0.0
Channel							648000	652000
Frequency (MHz)							3720	3760
40	QPSK	1	1	18.03	18.10	18.03	19.7	0.0
Channel							647688	650000
Frequency (MHz)							3715.02	3724.98
30	QPSK	1	1	18.08	18.05	18.06	19.7	0.0
Channel							647334	650000
Frequency (MHz)							3713.01	3722.99
20	QPSK	1	1	18.07	17.98	18.13	19.7	0.0
Channel							647000	653000
Frequency (MHz)							3705	3795
10	QPSK	1	1	18.13	18.07	18.05	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)							3750	
100	Pi2 BPSK	1	1	18.18	18.18	18.18		
100	Pi2 BPSK	1	137	18.17	18.17	18.17	19.7	0.0
100	Pi2 BPSK	1	271	18.16	18.16	18.16		
100	Pi2 BPSK	135	0	18.09	18.09	18.09	19.7	0.0
100	Pi2 BPSK	135	69	18.04	18.04	18.04	19.7	0.0
100	Pi2 BPSK	135	138	18.13	18.13	18.13	19.7	0.0
100	Pi2 BPSK	270	0	18.12	18.12	18.12	19.7	0.0
100	QPSK	1	1	18.20	18.20	18.20		
100	QPSK	1	137	18.15	18.15	18.15	19.7	0.0
100	QPSK	1	271	18.03	18.03	18.03		
100	QPSK	135	0	18.13	18.13	18.13	19.7	0.0
100	QPSK	135	69	18.15	18.15	18.15	19.7	0.0
100	QPSK	135	138	18.06	18.06	18.06	19.7	0.0
100	QPSK	270	0	18.08	18.08	18.08	19.7	0.0
100	16QAM	1	1	18.17	18.17	18.17	19.7	0.0
100	16QAM	1	1	18.16	18.16	18.16	19.7	0.0
100	256QAM	1	1	18.08	18.08	18.08	19.7	0.0
Channel							649688	650000
Frequency (MHz)							3745.02	3754.98
90	QPSK	1	1	18.08	18.02	18.12	19.7	0.0
Channel							649334	650000
Frequency (MHz)							3743.01	3752.99
80	QPSK	1	1	18.08	18.07	18.02	19.7	0.0
Channel							649000	651000
Frequency (MHz)							3735	3765
70	QPSK	1	1	18.13	18.02	18.15	19.7	0.0
Channel							648688	650000
Frequency (MHz)							3728.02	3738.98
60	QPSK	1	1	18.09	18.08	18.04	19.7	0.0
Channel							648334	650000
Frequency (MHz)							3726.01	3735.99
50	QPSK	1	1	18.00	17.99	18.10	19.7	0.0
Channel							648000	652000
Frequency (MHz)							3720	3760
40	QPSK	1	1	18.03	18.10	18.03	19.7	0.0
Channel							647688	650000
Frequency (MHz)							3715.02	3724.98
30	QPSK	1	1	18.08	18.05	18.06	19.7	0.0
Channel							647334	650000
Frequency (MHz)							3713.01	3722.99
20	QPSK	1	1	18.07	17.98	18.13	19.7	0.0
Channel							647000	653000
Frequency (MHz)							3705	3795
10	QPSK	1	1	18.13	18.07	18.05	19.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3495	3499.98	3499.98		
100	PV2 BPSK	1	1	18.45	18.45	18.45		
100	PV2 BPSK	1	137	18.24	18.24	18.24		
100	PV2 BPSK	1	271	18.37	18.37	18.37		
100	PV2 BPSK	135	0	18.28	18.28	18.28	19.7	0.0
100	PV2 BPSK	135	69	18.29	18.29	18.29	19.7	0.0
100	PV2 BPSK	135	138	18.37	18.37	18.37	19.7	0.0
100	PV2 BPSK	270	0	18.31	18.31	18.31	19.7	0.0
100	QPSK	1	1	18.51	18.51	18.51		
100	QPSK	1	137	18.28	18.28	18.28	19.7	0.0
100	QPSK	135	0	18.38	18.38	18.38		
100	QPSK	135	69	18.34	18.34	18.34		
100	QPSK	135	138	18.42	18.42	18.42	19.7	0.0
100	QPSK	270	0	18.35	18.35	18.35	19.7	0.0
100	16QAM	1	1	18.20	18.20	18.20	19.7	0.0
100	16QAM	1	1	18.42	18.42	18.42	19.7	0.0
100	256QAM	1	1	18.19	18.19	18.19	19.7	0.0
Channel								
Frequency (MHz)				63000	63332	63366	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3499.98	(dBm)	(dB)
90	QPSK	1	1	18.31	18.27	18.23	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	18.44	18.27	18.41	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.88	(dBm)	(dB)
70	QPSK	1	1	18.33	18.27	18.33	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	18.37	18.39	18.39	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3526	(dBm)	(dB)
50	QPSK	1	1	18.37	18.41	18.41	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3529.88	(dBm)	(dB)
40	QPSK	1	1	18.42	18.33	18.29	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	18.39	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	18.38	18.42	18.40	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.88	(dBm)	(dB)
10	QPSK	1	1	18.38	18.33	18.39	19.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3495	3499.98	3499.98		
100	PV2 BPSK	1	1	18.45	18.45	18.45		
100	PV2 BPSK	1	137	18.24	18.24	18.24	19.7	0.0
100	PV2 BPSK	1	271	18.37	18.37	18.37		
100	PV2 BPSK	135	0	18.28	18.28	18.28	19.7	0.0
100	PV2 BPSK	135	69	18.29	18.29	18.29	19.7	0.0
100	PV2 BPSK	135	138	18.37	18.37	18.37	19.7	0.0
100	PV2 BPSK	270	0	18.31	18.31	18.31	19.7	0.0
100	QPSK	1	1	18.51	18.51	18.51		
100	QPSK	1	137	18.28	18.28	18.28	19.7	0.0
100	QPSK	135	0	18.38	18.38	18.38		
100	QPSK	135	69	18.34	18.34	18.34		
100	QPSK	135	138	18.42	18.42	18.42	19.7	0.0
100	QPSK	270	0	18.35	18.35	18.35	19.7	0.0
100	16QAM	1	1	18.20	18.20	18.20	19.7	0.0
100	16QAM	1	1	18.42	18.42	18.42	19.7	0.0
100	256QAM	1	1	18.19	18.19	18.19	19.7	0.0
Channel								
Frequency (MHz)				63000	63332	63366	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3499.98	(dBm)	(dB)
90	QPSK	1	1	18.31	18.27	18.23	19.7	0.0
Channel								
Frequency (MHz)				63268	63332	63400	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	18.44	18.27	18.41	19.7	0.0
Channel								
Frequency (MHz)				63234	63332	63432	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.88	(dBm)	(dB)
70	QPSK	1	1	18.33	18.27	18.33	19.7	0.0
Channel								
Frequency (MHz)				63200	63332	63466	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	18.37	18.39	18.39	19.7	0.0
Channel								
Frequency (MHz)				63168	63332	63500	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3526	(dBm)	(dB)
50	QPSK	1	1	18.37	18.41	18.41	19.7	0.0
Channel								
Frequency (MHz)				63134	63332	63532	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3529.88	(dBm)	(dB)
40	QPSK	1	1	18.42	18.33	18.29	19.7	0.0
Channel								
Frequency (MHz)				63100	63332	63566	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	18.39	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)				63068	63332	63600	Tune-up limit	MPR
Frequency (MHz)				3495.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	18.38	18.42	18.40	19.7	0.0
Channel								
Frequency (MHz)				63034	63332	63632	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3544.88	(dBm)	(dB)
10	QPSK	1	1	18.38	18.33	18.39	19.7	0.0



Par270 n78_FCC_ANT 13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.18	18.18		19.7	0.0
100	QPSK	1	137	18.00	18.00			
100	QPSK	1	271	17.98	17.98			
100	QPSK	137	0	18.12	18.12		19.7	0.0
100	QPSK	137	68	18.15	18.15			
100	QPSK	137	138	17.95	17.95			
100	QPSK	273	0	18.00	18.00		19.7	0.0
100	16QAM	1	1	18.13	18.13		19.7	0.0
100	64QAM	1	1	17.99	17.99		19.7	0.0
100	256QAM	1	1	18.00	18.00		19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.07	17.95	18.08	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	650332	650000	650666	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3745.01	3750	3759.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.01	18.09	17.90	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	650000	650000	650000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3745.01	3750	3769.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.15	18.07	18.03	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	649668	650000	650332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750.00	3754.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	647900	650000	653000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	(dBm)	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.10	13.15	13.33	13.7	0.0

Par27Q n78_FCC_ANT 13

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	4499.98	4499.98		19.7	0.0
100	QPSK	1	137	18.14	18.14			
100	QPSK	1	271	18.22	18.22			
100	QPSK	137	0	18.25	18.25		19.7	0.0
100	QPSK	137	68	18.32	18.32			
100	QPSK	137	138	18.20	18.20			
100	QPSK	273	0	18.18	18.18		19.7	0.0
100	16QAM	1	1	18.18	18.18		19.7	0.0
100	64QAM	1	1	18.37	18.37		19.7	0.0
100	256QAM	1	1	18.02	18.02		19.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633666	Tune-up limit	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3499.98	3504.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.33	18.35	18.34	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633666	633332	633000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3495.02	3499.98	3510	(dBm)	(dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.27	18.34	18.23	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633332	633332	633332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3499.98	3519.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.34	18.40	18.24	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	633666	633332	633000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3475.02	3499.98	3525	(dBm)	(dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	633000	633332	633666	Tune-up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3495	3499.98	3534.99	(dBm)	(dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	633666	633332	633000	Tune-up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3480.02	3499.98	3540	(dBm)	(dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	633332	633332	633332	Tune-up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3455.01	3499.98	3544.98	(dBm)	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.31	13.31	13.23	13.7	0.0



Reduced Power Mode for DSI 6&11

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	812	861		810	812	861		810
Frequency (MHz)	1852	1890	1928.8	1852	1890	1928.8			
GSM 1 Tx slot	29.27	29.30	29.25	30.00	20.27	20.30	20.25	21.00	
GPRS/EDGE(GMSK) 1 Tx slots	29.26	29.22	29.20	30.00	20.26	20.22	20.20	21.00	
GPRS/EDGE(GMSK) 2 Tx slots	29.75	29.80	29.77	27.00	19.75	19.80	19.77	21.00	
GPRS/EDGE(GMSK) 3 Tx slots	23.90	23.96	23.99	25.20	19.73	19.70	19.73	20.94	
GPRS/EDGE(GMSK) 4 Tx slots	23.10	23.15	23.09	24.50	20.10	20.15	20.09	21.50	
EDGE 1 Tx slot	26.00	24.96	24.91	26.00	16.00	15.96	15.91	17.00	
EDGE 2 Tx slots	21.82	21.50	21.71	23.00	15.82	15.50	15.71	17.00	
EDGE 3 Tx slots	19.71	19.41	19.73	21.20	15.45	15.35	15.47	16.94	
EDGE 4 Tx slots	18.88	18.75	18.77	20.30	15.88	15.75	15.77	17.30	
DTM Multi-slot class 5	GSM 1 Tx slot	25.64	25.70	25.84	27.00	19.64	19.64	19.60	20.98
	GPRS 1 Tx slot	25.62	25.75	25.62	27.00	19.67	19.74	19.59	20.98
DTM Multi-slot class 8	GPRS 1 Tx slot	25.76	25.77	25.81	27.00				
DTM Multi-slot class 11	GSM 1 Tx slot	23.97	23.89	24.02	25.20	19.70	19.72	19.71	20.94
	GPRS 2 Tx slots	23.96	24.02	23.95	25.20				
DTM Multi-slot class 5	GSM 1 Tx slot	25.79	25.76	25.84	27.00				
	EDGE 1 Tx slot	21.58	21.12	21.45	23.00	18.15	18.01	18.16	19.42
DTM Multi-slot class 9	GSM 1 Tx slot	25.73	25.78	25.78	27.00	18.10	18.05	18.12	19.42
	EDGE 1 Tx slot	21.54	21.23	21.47	23.00				
DTM Multi-slot class 11	GSM 1 Tx slot	23.97	24.00	24.05	25.20	17.27	17.20	17.28	18.71
	EDGE 2 Tx slots	19.48	19.28	19.38	21.20				

***WCDMA_Stats1**

Band	WCDMA I Ant 4			Tune-up Limit (dBm)	WCDMA IV Ant 4			Tune-up Limit (dBm)
	Rx Channel	9262	9400		9538	1312	1413	
TX Channel	9692	9900	9938	1337	1638	1708		
Frequency (MHz)	1625.4	1680	1907.6	1722.4	1792.6	1752.6		
3GPP Rel 99 AMR 12.2Kbps	22.62	22.66	22.60	23.50	19.82	19.90	19.79	21.00
3GPP Rel 99 AMR 12.2Kbps	22.69	22.70	22.85	23.60	19.93	19.95	19.88	21.00
3GPP Rel 6 HSDPA Subset-1	21.97	21.85	21.79	22.50	19.08	19.16	19.31	20.00
3GPP Rel 6 HSDPA Subset-2	21.97	21.84	21.77	22.60	19.17	19.27	19.30	20.00
3GPP Rel 6 HSDPA Subset-3	21.46	21.34	21.28	22.00	18.76	18.71	18.86	19.50
3GPP Rel 6 HSDPA Subset-4	21.47	21.29	21.27	22.00	18.67	18.67	18.83	19.50
3GPP Rel 6 HSDPA Subset-1	21.95	21.81	21.77	22.50	19.14	19.23	19.29	20.00
3GPP Rel 6 DC-HSDPA Subset-2	21.93	21.77	21.68	22.50	19.09	19.11	19.43	20.00
3GPP Rel 6 DC-HSDPA Subset-3	21.38	21.33	21.25	22.00	18.55	18.69	18.70	19.50
3GPP Rel 6 DC-HSDPA Subset-4	21.45	21.25	21.24	22.00	18.52	18.69	18.80	19.50
3GPP Rel 6 HSUPA Subset-1	21.99	21.89	21.89	22.50	19.14	19.22	19.69	20.00
3GPP Rel 6 HSUPA Subset-2	20.03	19.93	19.89	20.50	17.22	17.31	17.41	18.00
3GPP Rel 6 HSUPA Subset-3	20.00	19.93	19.86	20.50	17.31	17.23	17.48	18.00
3GPP Rel 6 HSUPA Subset-4	20.00	19.95	19.88	20.50	17.22	17.28	17.31	18.00
3GPP Rel 6 HSUPA Subset-5	22.00	21.90	21.80	22.50	19.31	19.30	19.41	20.00
3GPP Rel 7 HSPA (E-UTRAN) Subset-1	19.92	20.02	19.95	20.50	17.46	17.45	17.51	18.00



Band 2_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	1660	1660	1660	23.8	0		
20	QPSK	1	49	22.5	22.5	22.5				
20	QPSK	1	99	22.38	22.35	22.38				
20	QPSK	50	0	21.55	21.55	21.55				
20	QPSK	50	24	21.54	21.55	21.55				
20	QPSK	50	50	21.49	21.52	21.5				
20	QPSK	100	0	21.51	21.55	21.54				
20	HQAM	1	0	21.92	21.73	21.88				
20	HQAM	1	49	21.79	21.84	21.78				
20	HQAM	1	99	21.8	21.72	21.73				
20	HQAM	50	0	20.88	20.59	20.48	21.8	2		
20	HQAM	50	24	20.96	20.96	20.54				
20	HQAM	50	50	20.51	20.5	20.55				
20	HQAM	100	0	20.53	20.54	20.55				
20	HQAM	1	0	20.76	20.68	20.73				
20	HQAM	1	49	20.7	20.58	20.65				
20	HQAM	1	99	20.59	20.51	20.69				
20	HQAM	50	0	19.64	19.59	19.48				
20	HQAM	50	24	19.58	19.57	19.57				
20	HQAM	50	50	19.5	19.52	19.54				
20	HQAM	100	0	19.56	19.54	19.55				
20	256QAM	1	0	17.62	17.66	17.52	18.8	5		
20	256QAM	1	49	17.50	17.52	17.34				
20	256QAM	89	0	17.50	17.59	17.47				
20	256QAM	50	0	17.51	17.55	17.41				
20	256QAM	50	24	17.41	17.60	17.60				
20	256QAM	50	50	17.46	17.63	17.60				
20	256QAM	100	0	17.48	17.55	17.55				
Channel										
Frequency (MHz)										
15	QPSK	1	0	1807.5	1807.5	1807.5			23.8	0
15	QPSK	1	37	22.44	22.54	22.46				
15	QPSK	1	74	22.46	22.52	22.52				
15	QPSK	1	111	22.31	22.31	22.31				
15	QPSK	36	0	21.92	21.44	21.41				
15	QPSK	36	20	21.41	21.5	21.46				
15	QPSK	36	39	21.38	21.4	21.43				
15	QPSK	75	0	21.62	21.59	21.63				
15	HQAM	1	0	21.82	21.59	21.63				
15	HQAM	1	37	21.74	21.73	21.85				
15	HQAM	1	74	21.5	21.58	21.58				
15	HQAM	36	0	20.59	20.45	20.35	21.8	2		
15	HQAM	36	20	20.47	20.48	20.41				
15	HQAM	36	39	20.43	20.39	20.41				
15	HQAM	75	0	20.44	20.46	20.41				
15	HQAM	1	0	20.69	20.58	20.63				
15	HQAM	37	0	20.54	20.59	20.59				
15	HQAM	1	74	20.53	20.42	20.57				
15	HQAM	36	36	19.6	19.5	19.43				
15	HQAM	36	39	19.45	19.52	19.46				
15	HQAM	75	0	19.39	19.46	19.44				
15	HQAM	1	0	19.47	19.46	19.46				
15	256QAM	1	0	17.58	17.57	17.43	18.8	5		
15	256QAM	1	37	17.46	17.48	17.20				
15	256QAM	1	74	17.44	17.45	17.35				
15	256QAM	36	0	17.42	17.46	17.34				
15	256QAM	36	20	17.28	17.48	17.45				
15	256QAM	36	39	17.32	17.50	17.50				
15	256QAM	75	0	17.41	17.42	17.42				
Channel										
Frequency (MHz)										
10	QPSK	1	0	1800	1800	1800			23.8	0
10	QPSK	1	22	22.46	22.51	22.27				
10	QPSK	1	44	22.46	22.52	22.52				
10	QPSK	1	66	22.32	22.31	22.31				
10	QPSK	25	0	21.59	21.51	21.38				
10	QPSK	25	12	21.43	21.42	21.46				
10	QPSK	25	25	21.42	21.42	21.41				
10	QPSK	50	0	21.39	21.43	21.5				
10	HQAM	1	0	21.87	21.61	21.58				
10	HQAM	1	25	21.74	21.73	21.89				
10	HQAM	1	49	21.48	21.68	21.64				
10	HQAM	25	0	20.59	20.47	20.42	21.8	2		
10	HQAM	25	12	20.44	20.45	20.48				
10	HQAM	25	25	20.4	20.38	20.42				
10	HQAM	50	0	20.41	20.39	20.42				
10	HQAM	1	0	20.65	20.62	20.61				
10	HQAM	1	25	20.8	20.54	20.54				
10	HQAM	1	49	20.48	20.46	20.54				
10	HQAM	25	0	19.51	19.45	19.38				
10	HQAM	25	12	19.45	19.5	19.45				
10	HQAM	25	25	19.38	19.46	19.44				
10	HQAM	50	0	19.41	19.41	19.5				
10	256QAM	1	0	17.55	17.60	17.38	18.8	5		
10	256QAM	1	25	17.42	17.48	17.27				
10	256QAM	1	49	17.45	17.47	17.39				
10	256QAM	25	0	17.45	17.43	17.21				
10	256QAM	25	12	17.32	17.55	17.53				
10	256QAM	25	25	17.32	17.55	17.53				
10	256QAM	50	0	17.34	17.44	17.44				
Channel										
Frequency (MHz)										
5	QPSK	1	0	1802.5	1802.5	1802.5			23.8	0
5	QPSK	1	12	22.42	22.4	22.27				
5	QPSK	1	24	22.28	22.25	22.33				
5	QPSK	12	0	21.8	21.44	21.4				
5	QPSK	12	7	21.4	21.4	21.48				
5	QPSK	12	13	21.38	21.48	21.43				
5	QPSK	25	0	21.46	21.4	21.48				
5	HQAM	1	0	21.85	21.68	21.68				
5	HQAM	1	12	21.67	21.8	21.73				
5	HQAM	1	24	21.52	21.6	21.62				
5	HQAM	12	0	20.57	20.45	20.35	21.8	2		
5	HQAM	12	7	20.46	20.45	20.5				
5	HQAM	12	13	20.45	20.43	20.45				
5	HQAM	25	0	20.42	20.49	20.43				
5	HQAM	1	0	20.71	20.58	20.64				
5	HQAM	1	12	20.58	20.59	20.55				
5	HQAM	1	24	20.5	20.39	20.51				
5	HQAM	12	0	19.56	19.47	19.44				
5	HQAM	12	7	19.47	19.5	19.5				
5	HQAM	12	13	19.44	19.48	19.42				
5	HQAM	25	0	19.42	19.5	19.48				
5	256QAM	1	0	17.48	17.61	17.47	18.8	5		
5	256QAM	1	12	17.46	17.48	17.30				
5	256QAM	1	24	17.44	17.49	17.41				
5	256QAM	12	0	17.49	17.49	17.33				
5	256QAM	12	7	17.27	17.31	17.38				
5	256QAM	12	13	17.41	17.56	17.49				
5	256QAM	25	0	17.44	17.49	17.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	1801.5	1801.5	1801.5			23.8	0
3	QPSK	1	8	22.51	22.39	22.35				
3	QPSK	1	16	22.43	22.34	22.32				
3	QPSK	8	0	21.52	21.43	21.42				
3	QPSK	8	4	21.49	21.41	21.45				
3	QPSK	8	12	21.37	21.40	21.37				
3	QPSK	15	0	21.44	21.48	21.48				
3	HQAM	1	0	21.87	21.64	21.57				
3	HQAM	1	8	21.65	21.77	21.66				
3	HQAM	1	14	21.53	21.58	21.65				
3	HQAM	8	0	20.62	20.54	20.49	21.8	2		
3	HQAM	8	8	20.43	20.42	20.43				
3	HQAM	8	16	20.47	20.41	20.39				
3	HQAM	15	0	20.45	20.42	20.50				
3	HQAM	1	0	20.65	20.61	20.60				
3	HQAM	1	8	20.66	20.53	20.58				
3	HQAM	1	14	20.54	20.39	20.58				
3	HQAM	8	0	19.53	19.54	19.41				
3	HQAM	8	4	19.51	19.53	19.46				
3	HQAM	8	7	19.49	19.43	19.41				
3	256QAM	1	0	17.49	17.53	17.48	18.8	5		
3	256QAM	1	8	17.48	17.41	17.25				
3	256QAM	1	14	17.38	17.50	17.42				
3	256QAM	8	0	17.38	17.49	17.35				
3	256QAM	8	4	17.35	17.23	17.42				
3	256QAM	8	7	17.35	17.59	17.52				
3	256QAM	15	0	17.37	17.49	17.43				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	1807	1807	1807			23.8	0
1.4	QPSK	1	3	22.5	22.52	22.52				
1.4	QPSK	1	6	22.49	22.51	22.52				
1.4	QPSK	3	0	22.44	22.51	22.52				
1.4	QPSK	3	1	22.52	22.50	22.52				
1.4	QPSK	3	2	22.56	22.59	22.59				
1.4	QPSK	6	0	21.70	21.58	21.61				
1.4	HQAM	1	0	22.03	21.94	21.94				
1.4	HQAM	1	3	22.18	22.04	22.08				
1.4	HQAM	1	6	22.09	22.00	21.95				
1.4	HQAM	3	0	21.78	21.79	21.77				
1.4	HQAM	3	1	21.89	21.78	21.72				
1.4	HQAM	3	2	21.87	21.77	21.65				
1.4	HQAM	6	0	20.80	20.72	20.89	21.8	2		
1.4	HQAM	6	3	20.80	20.80	20.80				
1.4	HQAM	1	0	20.83	20.79	20.79				
1.4	HQAM	1	3	20.82	20.89	20.69				
1.4	HQAM	3	0	20.89	20.71	20.69				
1.4	HQAM	3	1	20.82	20.75	20.74				
1.4	HQAM	3	2	20.85	20.78	20.68				
1.4	HQAM	6	0</							



Band 4_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.88	21.88	21.88	22.9	0
20	QPSK	1	49	21.88	21.88	21.88		
20	QPSK	1	99	21.88	21.88	21.88		
20	QPSK	50	0	21.51	21.51	21.51	22.4	0.5
20	QPSK	50	24	21.51	21.51	21.51		
20	QPSK	50	49	21.51	21.51	21.51		
20	QPSK	100	0	21.5	21.5	21.5	21.4	1.5
20	QPSK	100	24	21.5	21.5	21.5		
20	QPSK	100	49	21.5	21.5	21.5		
20	QPSK	1	0	20.76	20.76	20.76	21.4	1.5
20	QPSK	1	49	20.76	20.76	20.76		
20	QPSK	1	99	20.76	20.76	20.76		
20	QPSK	50	0	19.48	19.48	19.48	20.4	2.5
20	QPSK	50	24	19.48	19.48	19.48		
20	QPSK	50	49	19.48	19.48	19.48		
20	QPSK	100	0	19.54	19.54	19.54	20.4	2.5
20	QPSK	100	24	19.54	19.54	19.54		
20	QPSK	100	49	19.54	19.54	19.54		
20	QPSK	1	0	17.48	17.48	17.48	18.4	4.5
20	QPSK	1	49	17.48	17.48	17.48		
20	QPSK	1	99	17.48	17.48	17.48		
20	QPSK	50	0	17.62	17.62	17.62	18.4	4.5
20	QPSK	50	24	17.62	17.62	17.62		
20	QPSK	50	49	17.62	17.62	17.62		
20	QPSK	100	0	17.45	17.45	17.45	18.4	4.5
20	QPSK	100	24	17.45	17.45	17.45		
20	QPSK	100	49	17.45	17.45	17.45		
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.75	21.75	21.75	22.9	0
15	QPSK	1	37	21.75	21.75	21.75		
15	QPSK	1	74	21.75	21.75	21.75		
15	QPSK	36	0	21.39	21.39	21.39	22.4	0.5
15	QPSK	36	20	21.39	21.39	21.39		
15	QPSK	36	39	21.39	21.39	21.39		
15	QPSK	75	0	21.48	21.48	21.48	21.4	1.5
15	QPSK	75	20	21.48	21.48	21.48		
15	QPSK	75	40	21.48	21.48	21.48		
15	QPSK	1	0	21.68	21.68	21.68	22.4	0.5
15	QPSK	1	37	21.68	21.68	21.68		
15	QPSK	1	74	21.68	21.68	21.68		
15	QPSK	36	0	20.49	20.49	20.49	21.4	1.5
15	QPSK	36	20	20.49	20.49	20.49		
15	QPSK	36	39	20.49	20.49	20.49		
15	QPSK	75	0	20.75	20.75	20.75	21.4	1.5
15	QPSK	75	20	20.75	20.75	20.75		
15	QPSK	75	40	20.75	20.75	20.75		
15	QPSK	1	0	19.31	19.31	19.31	20.4	2.5
15	QPSK	1	37	19.31	19.31	19.31		
15	QPSK	1	74	19.31	19.31	19.31		
15	QPSK	36	0	19.55	19.55	19.55	20.4	2.5
15	QPSK	36	20	19.55	19.55	19.55		
15	QPSK	36	39	19.55	19.55	19.55		
15	QPSK	75	0	17.48	17.48	17.48	18.4	4.5
15	QPSK	75	20	17.48	17.48	17.48		
15	QPSK	75	40	17.48	17.48	17.48		
15	QPSK	1	0	17.64	17.64	17.64	18.4	4.5
15	QPSK	1	37	17.64	17.64	17.64		
15	QPSK	1	74	17.64	17.64	17.64		
15	QPSK	36	0	17.44	17.44	17.44	18.4	4.5
15	QPSK	36	20	17.44	17.44	17.44		
15	QPSK	36	39	17.44	17.44	17.44		
15	QPSK	75	0	17.34	17.34	17.34	18.4	4.5
15	QPSK	75	20	17.34	17.34	17.34		
15	QPSK	75	40	17.34	17.34	17.34		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.75	21.75	21.75	22.9	0
10	QPSK	1	37	21.75	21.75	21.75		
10	QPSK	1	74	21.75	21.75	21.75		
10	QPSK	25	0	21.47	21.47	21.47	22.4	0.5
10	QPSK	25	12	21.47	21.47	21.47		
10	QPSK	25	25	21.47	21.47	21.47		
10	QPSK	50	0	21.31	21.31	21.31	22.4	0.5
10	QPSK	50	12	21.31	21.31	21.31		
10	QPSK	50	25	21.31	21.31	21.31		
10	QPSK	1	0	21.86	21.86	21.86	22.4	0.5
10	QPSK	1	49	21.86	21.86	21.86		
10	QPSK	1	99	21.86	21.86	21.86		
10	QPSK	25	0	20.51	20.51	20.51	21.4	1.5
10	QPSK	25	12	20.51	20.51	20.51		
10	QPSK	25	25	20.51	20.51	20.51		
10	QPSK	50	0	20.72	20.72	20.72	21.4	1.5
10	QPSK	50	12	20.72	20.72	20.72		
10	QPSK	50	25	20.72	20.72	20.72		
10	QPSK	1	0	19.31	19.31	19.31	20.4	2.5
10	QPSK	1	49	19.31	19.31	19.31		
10	QPSK	1	99	19.31	19.31	19.31		
10	QPSK	25	0	19.54	19.54	19.54	20.4	2.5
10	QPSK	25	12	19.54	19.54	19.54		
10	QPSK	25	25	19.54	19.54	19.54		
10	QPSK	50	0	19.48	19.48	19.48	20.4	2.5
10	QPSK	50	12	19.48	19.48	19.48		
10	QPSK	50	25	19.48	19.48	19.48		
10	QPSK	1	0	17.48	17.48	17.48	18.4	4.5
10	QPSK	1	49	17.48	17.48	17.48		
10	QPSK	1	99	17.48	17.48	17.48		
10	QPSK	25	0	17.62	17.62	17.62	18.4	4.5
10	QPSK	25	12	17.62	17.62	17.62		
10	QPSK	25	25	17.62	17.62	17.62		
10	QPSK	50	0	17.38	17.38	17.38	18.4	4.5
10	QPSK	50	12	17.38	17.38	17.38		
10	QPSK	50	25	17.38	17.38	17.38		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.75	21.75	21.75	22.9	0
5	QPSK	1	12	21.75	21.75	21.75		
5	QPSK	1	24	21.75	21.75	21.75		
5	QPSK	12	0	21.48	21.48	21.48	22.4	0.5
5	QPSK	12	7	21.48	21.48	21.48		
5	QPSK	12	14	21.48	21.48	21.48		
5	QPSK	25	0	21.39	21.39	21.39	22.4	0.5
5	QPSK	25	12	21.39	21.39	21.39		
5	QPSK	25	25	21.39	21.39	21.39		
5	QPSK	1	0	21.86	21.86	21.86	22.4	0.5
5	QPSK	1	12	21.86	21.86	21.86		
5	QPSK	1	24	21.86	21.86	21.86		
5	QPSK	12	0	20.38	20.38	20.38	21.4	1.5
5	QPSK	12	7	20.38	20.38	20.38		
5	QPSK	12	14	20.38	20.38	20.38		
5	QPSK	25	0	20.44	20.44	20.44	21.4	1.5
5	QPSK	25	12	20.44	20.44	20.44		
5	QPSK	25	25	20.44	20.44	20.44		
5	QPSK	1	0	20.73	20.73	20.73	21.4	1.5
5	QPSK	1	12	20.73	20.73	20.73		
5	QPSK	1	24	20.73	20.73	20.73		
5	QPSK	12	0	19.41	19.41	19.41	20.4	2.5
5	QPSK	12	7	19.41	19.41	19.41		
5	QPSK	12	14	19.41	19.41	19.41		
5	QPSK	25	0	19.47	19.47	19.47	20.4	2.5
5	QPSK	25	12	19.47	19.47	19.47		
5	QPSK	25	25	19.47	19.47	19.47		
5	QPSK	1	0	17.34	17.34	17.34	18.4	4.5
5	QPSK	1	12	17.34	17.34	17.34		
5	QPSK	1	24	17.34	17.34	17.34		
5	QPSK	12	0	17.52	17.52	17.52	18.4	4.5
5	QPSK	12	12	17.52	17.52	17.52		
5	QPSK	12	24	17.52	17.52	17.52		
5	QPSK	25	0	17.44	17.44	17.44	18.4	4.5
5	QPSK	25	12	17.44	17.44	17.44		
5	QPSK	25	25	17.44	17.44	17.44		
Channel								
Frequency (MHz)								
3	QPSK	1	0	21.78	21.78	21.78	22.9	0
3	QPSK	1	8	21.78	21.78	21.78		
3	QPSK	1	14	21.78	21.78	21.78		
3	QPSK	8	0	21.40	21.40	21.40	22.4	0.5
3	QPSK	8	4	21.40	21.40	21.40		
3	QPSK	8	8	21.40	21.40	21.40		
3	QPSK	15	0	21.35	21.35	21.35	22.4	0.5
3	QPSK	15	8	21.35	21.35	21.35		
3	QPSK	15	16	21.35	21.35	21.35		
3	QPSK	1	0	21.75	21.75	21.75	22.4	0.5
3	QPSK	1	8	21.75	21.75	21.75		
3	QPSK	1	16	21.75	21.75	21.75		
3	QPSK	8	0	21.68	21.68	21.68	22.4	0.5
3	QPSK	8	8	21.68	21.68	21.68		
3	QPSK	8	16					



Band 7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.54	17.62	17.91		
20	QPSK	1	49	17.84	17.95	17.83	18.7	0
20	QPSK	1	99	17.66	17.81	17.79		
20	QPSK	50	24	17.76	17.81	17.81		
20	QPSK	50	24	17.57	17.71	17.56	18.7	0
20	QPSK	50	50	17.79	17.79	17.66		
20	QPSK	100	0	17.71	17.81	17.76		
20	16QAM	1	0	17.77	17.82	17.81		
20	16QAM	1	49	17.64	17.67	17.59	18.7	0
20	16QAM	1	99	17.74	17.84	17.77		
20	16QAM	50	0	17.88	17.72	17.8		
20	16QAM	50	24	17.79	17.84	17.89		
20	16QAM	50	50	17.61	17.7	17.93	18.7	0
20	16QAM	100	0	17.88	17.91	17.79		
20	16QAM	1	0	17.7	17.75	17.7		
20	16QAM	1	49	17.65	17.75	17.73	18.7	0
20	16QAM	1	99	17.84	17.88	17.87		
20	16QAM	50	0	17.8	17.8	17.78		
20	16QAM	50	24	17.79	17.88	17.82	18.7	0
20	16QAM	50	50	17.79	17.85	17.76		
20	16QAM	100	0	17.86	17.81	17.8		
20	256QAM	1	0	16.88	17.05	16.91		
20	256QAM	1	49	17.03	17.11	16.94	17.7	1
20	256QAM	99	0	17.07	17.09	17.06		
20	256QAM	50	0	17.14	17.15	17.00		
20	256QAM	50	24	16.85	17.02	16.97		
20	256QAM	50	50	16.96	17.00	16.94	17.7	1
20	256QAM	100	0	17.07	17.10	17.08		
Channel								
Frequency (MHz)				2510	2535	2560		
15	QPSK	1	0	17.9	17.81	17.82		
15	QPSK	1	37	17.76	17.81	17.83	18.7	0
15	QPSK	1	74	17.86	17.78	17.88		
15	QPSK	36	0	17.73	17.76	17.74		
15	QPSK	36	39	17.46	17.56	17.56	18.7	0
15	QPSK	36	39	17.75	17.7	17.86		
15	16QAM	1	0	17.68	17.67	17.69		
15	16QAM	1	0	17.69	17.79	17.68		
15	16QAM	1	37	17.56	17.52	17.54	18.7	0
15	16QAM	1	74	17.65	17.69	17.64		
15	16QAM	36	0	17.47	17.67	17.57		
15	16QAM	36	20	17.76	17.79	17.54	18.7	0
15	16QAM	36	39	17.51	17.65	17.58		
15	16QAM	75	0	17.73	17.78	17.76		
15	16QAM	1	0	17.64	17.71	17.59		
15	16QAM	37	1	17.54	17.79	17.71	18.7	0
15	16QAM	1	74	17.81	17.78	17.76		
15	16QAM	36	36	17.78	17.79	17.86		
15	16QAM	36	39	17.78	17.84	17.85	18.7	0
15	16QAM	36	39	17.69	17.74	17.87		
15	16QAM	75	0	17.8	17.79	17.82		
15	256QAM	1	0	16.85	17.02	16.98		
15	256QAM	1	37	16.88	17.05	16.82	17.7	1
15	256QAM	1	74	17.03	16.88	16.92		
15	256QAM	36	0	17.04	17.06	16.92		
15	256QAM	36	20	16.83	16.98	16.95		
15	256QAM	36	39	16.84	16.99	16.83	17.7	1
15	256QAM	75	0	17.02	17.03	17.06		
Channel								
Frequency (MHz)				2505	2530	2555		
10	QPSK	1	0	17.92	17.93	17.79		
10	QPSK	1	25	17.85	17.85	17.85	18.7	0
10	QPSK	1	49	17.53	17.7	17.77		
10	QPSK	25	0	17.74	17.79	17.73		
10	QPSK	25	12	17.55	17.8	17.69		
10	QPSK	25	25	17.66	17.76	17.85	18.7	0
10	QPSK	50	0	17.59	17.77	17.73		
10	16QAM	1	0	17.68	17.75	17.77		
10	16QAM	1	25	17.84	17.54	17.56	18.7	0
10	16QAM	1	49	17.7	17.78	17.87		
10	16QAM	25	0	17.44	17.63	17.54		
10	16QAM	25	12	17.71	17.69	17.82	18.7	0
10	16QAM	25	25	17.49	17.68	17.47		
10	16QAM	50	0	17.79	17.58	17.67		
10	16QAM	1	0	17.58	17.7	17.88		
10	16QAM	1	25	17.63	17.74	17.68	18.7	0
10	16QAM	1	49	17.77	17.79	17.8		
10	16QAM	25	0	17.79	17.74	17.78		
10	16QAM	25	12	17.67	17.88	17.73	18.7	0
10	16QAM	25	25	17.72	17.71	17.73		
10	16QAM	50	0	17.72	17.8	17.81		
10	256QAM	1	0	16.85	17.01	16.95		
10	256QAM	1	25	16.96	17.10	16.92	17.7	1
10	256QAM	1	49	17.03	17.05	17.02		
10	256QAM	25	0	17.08	17.10	16.95		
10	256QAM	25	12	16.82	16.92	16.88		
10	256QAM	25	25	16.85	16.97	16.83	17.7	1
10	256QAM	50	0	17.02	16.99	16.98		
Channel								
Frequency (MHz)				2075	2100	2125		
5	QPSK	1	0	17.89	17.81	17.89		
5	QPSK	1	12	17.74	17.9	17.77	18.7	0
5	QPSK	1	24	17.56	17.73	17.69		
5	QPSK	12	0	17.76	17.83	17.81		
5	QPSK	12	7	17.49	17.6	17.42	18.7	0
5	QPSK	12	13	17.63	17.78	17.54		
5	QPSK	25	0	17.68	17.71	17.81		
5	16QAM	1	0	17.62	17.77	17.68		
5	16QAM	1	12	17.59	17.67	17.49	18.7	0
5	16QAM	1	24	17.6	17.74	17.75		
5	16QAM	12	0	17.56	17.6	17.45		
5	16QAM	12	7	17.74	17.81	17.84	18.7	0
5	16QAM	12	13	17.6	17.59	17.55		
5	16QAM	25	0	17.76	17.81	17.67		
5	16QAM	1	0	17.83	17.78	17.66		
5	16QAM	1	12	17.54	17.72	17.7	18.7	0
5	16QAM	1	24	17.76	17.87	17.86		
5	16QAM	12	7	17.76	17.74	17.75		
5	16QAM	12	13	17.68	17.7	17.55	18.7	0
5	16QAM	25	0	17.81	17.87	17.86		
5	256QAM	1	0	16.81	16.97	16.95		
5	256QAM	1	12	17.01	17.08	16.89	17.7	1
5	256QAM	1	24	17.04	17.07	16.99		
5	256QAM	12	0	17.05	17.06	16.93		
5	256QAM	12	7	16.73	16.90	16.93		
5	256QAM	12	13	16.94	16.95	16.91	17.7	1
5	256QAM	25	0	16.99	16.98	17.00		

Band 7_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.84	16.88	16.97		
20	QPSK	1	49	16.79	16.84	16.79	17.8	0
20	QPSK	1	99	16.81	16.92	16.87		
20	QPSK	50	24	16.76	16.83	16.86		
20	QPSK	50	24	16.75	16.86	16.78	17.8	0
20	QPSK	50	50	16.77	16.82	16.79		
20	QPSK	100	0	16.77	16.83	16.81		
20	16QAM	1	0	16.88	16.89	16.88		
20	16QAM	1	49	16.83	16.91	16.79	17.8	0
20	16QAM	1	99	16.71	16.84	16.82		
20	16QAM	50	0	16.72	16.80	16.79		
20	16QAM	50	24	16.57	16.72	16.86		
20	16QAM	50	50	16.66	16.77	16.67	17.8	0
20	16QAM	100	0	16.89	16.92	16.87		
20	16QAM	1	0	16.90	16.90	16.88		
20	16QAM	1	49	16.86	16.90	16.90	17.8	0
20	16QAM	1	99	16.83	16.89	16.91		
20	16QAM	50	0	16.74	16.76	16.73		
20	16QAM	50	24	16.80	16.82	16.72	17.8	0
20	16QAM	50	50	16.78	16.89	16.78		
20	16QAM	100	0	16.81	16.82	16.76		
20	256QAM	1	0	16.78	16.88	16.88		
20	256QAM	1	49	16.84	16.77	16.71	17.8	0
20	256QAM	99	0	16.82	16.77	16.77		
20	256QAM	50	0	16.72	16.80	16.70		
20	256QAM	50	24	16.60				



Band 25_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	1660	1660	1660	23.4	0		
20	QPSK	1	49	22.61	22.49	22.47				
20	QPSK	1	99	22.38	22.48	22.36				
20	QPSK	50	0	21.63	21.69	21.58				
20	QPSK	50	24	21.6	21.52	21.54	22.4	1		
20	QPSK	50	50	21.62	21.56	21.56				
20	QPSK	100	0	21.63	21.68	21.57				
20	16QAM	1	0	21.82	21.85	21.7				
20	16QAM	1	49	21.9	21.8	21.26	22.4	1		
20	16QAM	1	99	21.66	21.66	21.62				
20	16QAM	50	0	20.7	20.56	20.52				
20	16QAM	50	24	20.69	20.64	20.54				
20	16QAM	50	50	20.54	20.57	20.59	21.4	2		
20	16QAM	100	0	20.66	20.61	20.54				
20	16QAM	1	0	20.86	20.78	20.75				
20	16QAM	1	49	20.99	20.87	20.72				
20	64QAM	1	99	20.96	20.67	20.6	21.4	2		
20	64QAM	1	0	19.74	19.59	19.53				
20	64QAM	50	24	19.67	19.67	19.58				
20	64QAM	50	50	19.62	19.58	19.58				
20	64QAM	100	0	19.66	19.6	19.52	20.4	3		
20	64QAM	1	0	17.40	17.56	17.56				
20	256QAM	1	49	17.59	17.60	17.47				
20	256QAM	99	17.63	17.66	17.48	17.48				
20	256QAM	50	0	17.44	17.52	17.52	18.4	5		
20	256QAM	50	24	17.47	17.48	17.44				
20	256QAM	50	50	17.48	17.49	17.49				
20	256QAM	100	0	17.39	17.58	17.47				
Channel										
Frequency (MHz)										
15	QPSK	1	0	1807.5	1807.5	1807.5	23.4	0		
15	QPSK	1	37	22.59	22.42	22.35				
15	QPSK	1	74	22.43	22.43	22.3				
15	QPSK	1	111	22.12	22.41	22.3				
15	QPSK	36	0	21.52	21.56	21.48	22.4	1		
15	QPSK	36	36	21.67	21.5	21.41				
15	QPSK	36	72	21.62	21.54	21.56				
15	QPSK	36	108	21.6	21.46	21.47				
15	16QAM	1	0	21.74	21.84	21.54	22.4	1		
15	16QAM	1	37	21.73	21.67	21.58				
15	16QAM	1	74	21.52	21.52	21.52				
15	16QAM	36	0	20.54	20.43	20.36				
15	16QAM	36	20	20.61	20.46	20.46	21.4	2		
15	16QAM	36	36	20.58	20.44	20.33				
15	16QAM	36	72	20.58	20.43	20.46				
15	16QAM	36	108	20.63	20.57	20.7				
15	64QAM	1	0	20.59	20.56	20.68	21.4	2		
15	64QAM	1	37	20.46	20.49	20.5				
15	64QAM	36	0	19.96	19.43	19.35				
15	64QAM	36	36	19.53	19.64	19.44				
15	64QAM	36	72	19.56	19.48	19.53	20.4	3		
15	64QAM	36	108	19.56	19.42	19.42				
15	256QAM	1	0	17.21	17.35	17.35				
15	256QAM	1	37	17.55	17.59	17.43				
15	256QAM	1	74	17.47	17.53	17.42	18.4	5		
15	256QAM	36	0	17.34	17.52	17.42				
15	256QAM	36	20	17.30	17.40	17.37				
15	256QAM	36	36	17.47	17.45	17.48				
15	256QAM	75	0	17.38	17.48	17.44	18.4	5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	2006	2006	2006			23.4	0
10	QPSK	1	22	22.53	22.41	22.39				
10	QPSK	1	44	22.43	22.41	22.26				
10	QPSK	1	66	22.23	22.45	22.26				
10	QPSK	25	0	21.56	21.47	21.34	22.4	1		
10	QPSK	25	12	21.66	21.5	21.41				
10	QPSK	25	25	21.5	21.43	21.44				
10	QPSK	50	0	21.44	21.39	21.47				
10	16QAM	1	0	21.69	21.78	21.51	22.4	1		
10	16QAM	1	25	21.77	21.8	21.86				
10	16QAM	1	49	21.5	21.54	21.53				
10	16QAM	25	0	20.53	20.39	20.36				
10	16QAM	25	12	20.53	20.61	20.38	21.4	2		
10	16QAM	25	25	20.58	20.59	20.59				
10	16QAM	25	37	20.64	20.5	20.52				
10	16QAM	25	50	20.73	20.57	20.6				
10	64QAM	1	0	20.87	20.65	20.46	21.4	2		
10	64QAM	1	49	20.46	20.45	20.5				
10	64QAM	25	0	19.72	19.59	19.51				
10	64QAM	25	12	19.65	19.58	19.56				
10	64QAM	25	25	19.59	19.51	19.56	20.4	3		
10	64QAM	25	37	19.65	19.46	19.51				
10	64QAM	25	50	17.35	17.55	17.50				
10	256QAM	1	0	17.42	17.52	17.30				
10	256QAM	1	49	17.48	17.66	17.44	18.4	5		
10	256QAM	25	0	17.46	17.59	17.54				
10	256QAM	25	12	17.45	17.43	17.43				
10	256QAM	25	25	17.22	17.30	17.30				
Channel										
Frequency (MHz)										
5	QPSK	1	0	2006	2006	2006	23.4	0		
5	QPSK	1	12	22.41	22.41	22.35				
5	QPSK	1	24	22.22	22.33	22.23				
5	QPSK	1	36	21.58	21.54	21.52				
5	QPSK	12	0	21.66	21.46	21.52	22.4	1		
5	QPSK	12	12	21.46	21.44	21.37				
5	QPSK	12	24	21.48	21.53	21.48				
5	QPSK	25	0	21.65	21.73	21.63				
5	16QAM	1	0	21.65	21.73	21.63	22.4	1		
5	16QAM	1	12	21.9	21.81	21.98				
5	16QAM	1	24	21.57	21.62	21.6				
5	16QAM	12	0	20.65	20.4	20.43				
5	16QAM	12	7	20.62	20.61	20.47	21.4	2		
5	16QAM	12	13	20.54	20.42	20.58				
5	16QAM	12	19	20.58	20.58	20.46				
5	16QAM	12	25	20.84	20.8	20.71				
5	64QAM	1	0	20.86	20.58	20.59	21.4	2		
5	64QAM	1	12	20.83	20.54	20.57				
5	64QAM	12	0	19.72	19.41	19.51				
5	64QAM	12	7	19.72	19.38	19.47				
5	64QAM	12	13	19.45	19.45	19.42	20.4	3		
5	64QAM	12	19	19.57	19.55	19.43				
5	64QAM	25	0	17.34	17.63	17.48				
5	256QAM	1	0	17.53	17.43	17.41				
5	256QAM	1	24	17.43	17.28	17.38	18.4	5		
5	256QAM	12	0	17.41	17.41	17.48				
5	256QAM	12	7	17.29	17.38	17.38				
5	256QAM	12	13	17.41	17.40	17.42				
5	256QAM	25	0	17.31	17.58	17.29	18.4	5		
Channel										
Frequency (MHz)										
3	QPSK	1	0	2251	2239	2233			23.4	0
3	QPSK	1	8	22.60	22.32	22.37				
3	QPSK	1	14	22.36	22.37	22.23				
3	QPSK	8	0	21.50	21.52	21.52				
3	QPSK	8	4	21.51	21.45	21.38	22.4	1		
3	QPSK	8	7	21.53	21.55	21.38				
3	QPSK	15	0	21.49	21.47	21.33				
3	16QAM	1	0	21.82	21.80	21.63				
3	16QAM	1	8	21.53	21.61	21.57	22.4	1		
3	16QAM	1	14	21.55	21.55	21.53				
3	16QAM	8	0	20.60	20.57	20.42				
3	16QAM	8	8	20.51	20.55	20.36				
3	16QAM	8	7	20.57	20.43	20.52	21.4	2		
3	16QAM	8	15	20.58	20.42	20.46				
3	64QAM	1	0	20.70	20.75	20.57				
3	64QAM	1	8	20.76	20.64	20.68				
3	64QAM	1	14	20.41	20.56	20.45	21.4	2		
3	64QAM	8	0	19.60	19.41	19.39				
3	64QAM	8	4	19.48	19.62	19.39				
3	64QAM	8	7	19.59	19.45	19.56				
3	64QAM	15	0	19.66	19.44	19.52	18.4	5		
3	256QAM	1	0	17.26	17.26	17.41				
3	256QAM	1	8	17.26	17.45	17.44				
3	256QAM	1	14	17.43	17.55	17.38				
3	256QAM	8	0	17.29	17.52	17.37	18.4	5		
3	256QAM	8	4	17.47	17.47	17.54				
3	256QAM	8	7	17.38	17.41	17.37				
3	256QAM	15	0	17.36	17.47	17.44				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	1927	1927	1927	23.4	0		
1.4	QPSK	1	3	22.69	22.45	22.33				
1.4	QPSK	1	6	22.33	22.49	22.17				
1.4	QPSK	3	0	22.48	22.47	22.42				
1.4	QPSK	3	3	22.58	22.39	22.31	22.4	1		
1.4	QPSK	3	6	22.48	22.49	22.49				
1.4	QPSK	6	0	21.59	21.55	21.42				
1.4	16QAM	1	0	21.67	21.80	21.64				
1.4	16QAM	1	3	21.76	21.86	21.86	22.4	1		
1.4	16QAM	1	6	21.65	21.49	21.50				
1.4	16QAM									



Band 30_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							2310		
10	QPSK	1	0	16.82	16.82	16.82			
10	QPSK	1	25	16.73	16.73	16.73	17.9	0	
10	QPSK	1	49	16.79	16.79	16.79			
10	QPSK	25	0	16.83	16.83	16.83			
10	QPSK	25	12	16.79	16.79	16.79	17.9	0	
10	QPSK	25	25	16.82	16.82	16.82			
10	QPSK	50	0	16.78	16.78	16.78			
10	16QAM	1	0	16.81	16.81	16.81			
10	16QAM	1	25	16.78	16.78	16.78	17.9	0	
10	16QAM	1	49	16.8	16.8	16.8			
10	16QAM	25	0	16.7	16.7	16.7			
10	16QAM	25	12	16.72	16.72	16.72	17.9	0	
10	16QAM	25	25	16.78	16.78	16.78			
10	16QAM	50	0	16.71	16.71	16.71			
10	64QAM	1	0	16.7	16.7	16.7			
10	64QAM	1	25	16.76	16.76	16.76	17.9	0	
10	64QAM	1	49	16.78	16.78	16.78			
10	64QAM	25	0	16.74	16.74	16.74			
10	64QAM	25	12	16.77	16.77	16.77	17.9	0	
10	64QAM	25	25	16.72	16.72	16.72			
10	64QAM	50	0	16.73	16.73	16.73			
10	256QAM	1	0	16.71	16.71	16.71			
10	256QAM	1	25	16.75	16.75	16.75	17.9	0	
10	256QAM	1	49	16.70	16.70	16.70			
10	256QAM	25	0	16.77	16.77	16.77			
10	256QAM	25	12	16.77	16.77	16.77	17.9	0	
10	256QAM	25	25	16.72	16.72	16.72			
10	256QAM	50	0	16.80	16.80	16.80			
Channel							2700		
Frequency (MHz)							2700.5	2710	2713.5
5	QPSK	1	0	16.83	16.82	16.84			
5	QPSK	1	12	16.82	16.82	16.82	17.9	0	
5	QPSK	1	24	16.84	16.88	16.72			
5	QPSK	12	0	16.78	16.71	16.7			
5	QPSK	12	7	16.77	16.78	16.67	17.9	0	
5	QPSK	12	13	16.76	16.7	16.67			
5	QPSK	25	0	16.77	16.68	16.78			
5	16QAM	1	0	16.79	16.7	16.8			
5	16QAM	1	12	16.84	16.63	16.75	17.9	0	
5	16QAM	1	24	16.86	16.77	16.68			
5	16QAM	12	0	16.55	16.7	16.7			
5	16QAM	12	7	16.66	16.61	16.72	17.9	0	
5	16QAM	12	13	16.65	16.73	16.68			
5	16QAM	25	0	16.64	16.8	16.69			
5	64QAM	1	0	16.68	16.66	16.68			
5	64QAM	1	12	16.66	16.69	16.75	17.9	0	
5	64QAM	1	24	16.74	16.76	16.72			
5	64QAM	12	0	16.72	16.65	16.67			
5	64QAM	12	7	16.73	16.74	16.73	17.9	0	
5	64QAM	12	13	16.65	16.69	16.64			
5	64QAM	25	0	16.75	16.69	16.72			
5	256QAM	1	0	16.58	16.70	16.55			
5	256QAM	1	12	16.71	16.61	16.69	17.9	0	
5	256QAM	1	24	16.65	16.59	16.57			
5	256QAM	12	0	16.71	16.75	16.68			
5	256QAM	12	7	16.72	16.63	16.69	17.9	0	
5	256QAM	12	13	16.67	16.59	16.70			
5	256QAM	25	0	16.65	16.60	16.71			

Band 30_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							2310		
10	QPSK	1	0	17.92	17.92	17.92			
10	QPSK	1	25	17.94	17.94	17.94	18.8	0	
10	QPSK	1	49	17.87	17.87	17.87			
10	QPSK	25	0	17.94	17.94	17.94			
10	QPSK	25	12	17.82	17.82	17.82	18.8	0	
10	QPSK	25	25	17.90	17.90	17.90			
10	QPSK	50	0	17.84	17.84	17.84			
10	16QAM	1	0	17.91	17.91	17.91			
10	16QAM	1	25	17.86	17.86	17.86	18.8	0	
10	16QAM	1	49	17.88	17.88	17.88			
10	16QAM	25	0	17.93	17.93	17.93			
10	16QAM	25	12	17.89	17.89	17.89	18.8	0	
10	16QAM	25	25	17.91	17.91	17.91			
10	16QAM	50	0	17.93	17.93	17.93			
10	64QAM	1	0	17.88	17.88	17.88			
10	64QAM	1	25	17.85	17.85	17.85	18.8	0	
10	64QAM	1	49	17.84	17.84	17.84			
10	64QAM	25	0	17.87	17.87	17.87			
10	64QAM	25	12	17.93	17.93	17.93	18.8	0	
10	64QAM	25	25	17.89	17.89	17.89			
10	64QAM	50	0	17.88	17.88	17.88			
10	256QAM	1	0	17.90	17.90	17.90			
10	256QAM	1	25	17.88	17.88	17.88	18.8	0	
10	256QAM	1	49	17.90	17.90	17.90			
10	256QAM	25	0	17.85	17.85	17.85			
10	256QAM	25	12	17.90	17.90	17.90	18.8	0	
10	256QAM	25	25	17.85	17.85	17.85			
10	256QAM	50	0	17.81	17.81	17.81			
Channel							2700		
Frequency (MHz)							2700.5	2710	2713.5
5	QPSK	1	0	17.96	17.99	17.92			
5	QPSK	1	12	17.81	17.92	17.79	18.8	0	
5	QPSK	1	24	17.79	17.74	17.77			
5	QPSK	12	0	17.92	17.87	17.86			
5	QPSK	12	7	17.81	17.75	17.72	18.8	0	
5	QPSK	12	13	17.89	17.86	17.87			
5	QPSK	25	0	17.90	17.86	17.84			
5	16QAM	1	0	17.82	17.81	17.82			
5	16QAM	1	12	17.95	17.86	17.90	18.8	0	
5	16QAM	1	24	17.75	17.75	17.75			
5	16QAM	12	0	17.78	17.85	17.88			
5	16QAM	12	7	17.92	17.82	17.91	18.8	0	
5	16QAM	12	13	17.91	17.82	17.78			
5	16QAM	25	0	17.85	17.88	17.90			
5	64QAM	1	0	17.71	17.76	17.76			
5	64QAM	1	12	17.80	17.73	17.83	18.8	0	
5	64QAM	1	24	17.73	17.70	17.74			
5	64QAM	12	0	17.81	17.87	17.86			
5	64QAM	12	7	17.96	17.87	17.78	18.8	0	
5	64QAM	12	13	17.82	17.75	17.84			
5	64QAM	25	0	17.86	17.77	17.78			
5	256QAM	1	0	17.88	17.86	17.83			
5	256QAM	1	12	17.85	17.84	17.84	18.8	0	
5	256QAM	1	24	17.86	17.64	17.71			
5	256QAM	12	0	17.75	17.84	17.85			
5	256QAM	12	7	17.89	17.75	17.73	18.8	0	
5	256QAM	12	13	17.76	17.65	17.68			
5	256QAM	25	0	17.74	17.74	17.64			



Band 66_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	1720	1745	1770		
20	QPSK	1	0	2188	2197	2193	22.9	0
20	QPSK	1	99	2182	2192	219		
20	QPSK	50	0	2188	2197	2193		
20	QPSK	50	24	2182	2192	219	22.4	0.5
20	QPSK	50	0	2182	2192	219		
20	QPSK	50	50	2182	2192	219		
20	QPSK	50	100	2182	2192	219		
20	QPSK	1	0	2182	2192	219		
20	QPSK	1	49	2176	2186	2182	22.4	0.5
20	QPSK	99	0	2181	2192	2193		
20	QPSK	50	0	2051	2059	2072		
20	QPSK	50	24	2051	2059	2072		
20	QPSK	50	50	2051	2059	2072		
20	QPSK	50	100	2051	2059	2072		
20	QPSK	1	0	2076	2086	2088	21.4	1.5
20	QPSK	1	0	2076	2086	2088		
20	QPSK	1	49	2076	2086	2088		
20	QPSK	1	99	2076	2086	2088	21.4	1.5
20	QPSK	50	0	1924	1928	1934		
20	QPSK	50	24	1924	1928	1934		
20	QPSK	50	50	1924	1928	1934		
20	QPSK	50	100	1924	1928	1934		
20	QPSK	1	0	1762	1769	1783		
20	QPSK	1	49	1748	1755	1764	18.4	4.5
20	QPSK	99	0	1753	1760	1764		
20	QPSK	50	0	1753	1766	1757		
20	QPSK	50	24	1753	1766	1757		
20	QPSK	50	50	1753	1766	1757		
20	QPSK	50	100	1753	1766	1757		
20	QPSK	1	0	1761	1770	1754	18.4	4.5
20	QPSK	1	49	1761	1770	1754		
20	QPSK	100	0	1761	1770	1754		
Channel								
Frequency (MHz)								
15	QPSK	1	0	1717.5	1745	1772.5		
15	QPSK	1	0	2189	2198	2177		
15	QPSK	1	49	2188	2197	2177	22.9	0
15	QPSK	1	74	2189	2191	2186		
15	QPSK	36	0	2149	2166	2166		
15	QPSK	36	20	2156	2155	2155		
15	QPSK	36	39	2148	2163	2156	22.4	0.5
15	QPSK	75	0	2157	2154	2156		
15	QPSK	75	0	2170	2182	2170		
15	QPSK	1	37	2177	2188	2183	22.4	0.5
15	QPSK	74	0	2181	2192	2193		
15	QPSK	36	0	2045	2054	2051		
15	QPSK	36	20	2059	2067	2066		
15	QPSK	36	39	2054	2057	2058	21.4	1.5
15	QPSK	75	0	2049	2057	2057		
15	QPSK	1	0	2073	2078	2072		
15	QPSK	1	49	2068	2068	2068	21.4	1.5
15	QPSK	37	0	2068	2068	2068		
15	QPSK	1	74	2064	2066	2066		
15	QPSK	36	0	1948	1957	1966		
15	QPSK	36	20	1953	1954	1956		
15	QPSK	36	39	1956	1954	1956	20.4	2.5
15	QPSK	75	0	1958	1946	1944		
15	QPSK	1	0	1760	1766	1755		
15	QPSK	1	37	1743	1759	1756	18.4	4.5
15	QPSK	74	0	1750	1752	1740		
15	QPSK	36	0	1747	1764	1746		
15	QPSK	36	20	1767	1767	1769		
15	QPSK	36	39	1767	1762	1748	18.4	4.5
15	QPSK	75	0	1758	1752	1757		
Channel								
Frequency (MHz)								
10	QPSK	1	0	1715	1745	1775		
10	QPSK	1	0	2193	2193	2187		
10	QPSK	1	49	2187	2197	2187	22.9	0
10	QPSK	1	74	2190	2179	2180		
10	QPSK	25	0	2148	2167	2170		
10	QPSK	25	12	2154	2144	2144		
10	QPSK	25	25	2147	2163	2152	22.4	0.5
10	QPSK	50	0	2156	2156	2155		
10	QPSK	1	0	2173	2178	2177		
10	QPSK	1	25	2178	2184	2179	22.4	0.5
10	QPSK	25	0	2180	2189	2186		
10	QPSK	25	12	2039	2047	2041		
10	QPSK	25	12	2059	2058	2059		
10	QPSK	25	25	2053	2053	2053	21.4	1.5
10	QPSK	25	39	2071	2082	2077		
10	QPSK	75	0	2068	2066	2066		
10	QPSK	1	49	2069	2075	2055	21.4	1.5
10	QPSK	25	0	1950	1955	1966		
10	QPSK	25	12	1959	1952	1958		
10	QPSK	25	25	1954	1956	1951	20.4	2.5
10	QPSK	50	0	1959	1954	1963		
10	QPSK	1	0	1746	1757	1758		
10	QPSK	1	25	1743	1763	1760	18.4	4.5
10	QPSK	10	0	1746	1754	1740		
10	QPSK	25	0	1744	1756	1756		
10	QPSK	25	12	1768	1768	1765		
10	QPSK	25	25	1750	1762	1763	18.4	4.5
10	QPSK	50	0	1752	1755	1752		
Channel								
Frequency (MHz)								
5	QPSK	1	0	18197	18222	18247		
5	QPSK	1	0	2187	2195	2178		
5	QPSK	1	12	2183	2187	2188	22.9	0
5	QPSK	24	0	2176	2191	2184		
5	QPSK	12	0	2141	2166	2161		
5	QPSK	12	7	2155	2148	2153		
5	QPSK	12	13	2150	2158	2153	22.4	0.5
5	QPSK	25	0	2156	2156	2158		
5	QPSK	1	0	2173	2178	2177		
5	QPSK	1	12	2176	2179	2170	22.4	0.5
5	QPSK	1	24	2189	2193	2176		
5	QPSK	12	0	2043	2041	2044		
5	QPSK	12	7	2059	2061	2057		
5	QPSK	12	13	2054	2059	2055		
5	QPSK	25	0	2059	2054	2063		
5	QPSK	1	0	2074	2074	2074		
5	QPSK	1	12	2070	2089	2089		
5	QPSK	12	0	2069	2067	2069	21.4	1.5
5	QPSK	12	0	1945	1956	1965		
5	QPSK	12	7	1958	1956	1964		
5	QPSK	12	13	1953	1954	1954	20.4	2.5
5	QPSK	25	0	1958	1950	1957		
5	QPSK	1	0	1746	1763	1761		
5	QPSK	1	12	1743	1758	1759	18.4	4.5
5	QPSK	1	24	1746	1759	1734		
5	QPSK	15	0	1744	1752	1750		
5	QPSK	12	7	1770	1772	1761		
5	QPSK	12	13	1757	1769	1751	18.4	4.5
5	QPSK	25	0	1753	1753	1755		
Channel								
Frequency (MHz)								
3	QPSK	1	0	2183	2199	2184		
3	QPSK	1	8	2178	2183	2183	22.9	0
3	QPSK	8	0	2187	2185	2184		
3	QPSK	8	0	2147	2162	2168		
3	QPSK	8	4	2155	2151	2154		
3	QPSK	7	0	2144	2144	2146	22.4	0.5
3	QPSK	15	0	2157	2151	2150		
3	QPSK	1	0	2173	2183	2172		
3	QPSK	8	0	2173	2190	2183	22.4	0.5
3	QPSK	8	0	2040	2067	2065		
3	QPSK	8	0	2054	2055	2058		
3	QPSK	8	7	2055	2062	2063	21.4	1.5
3	QPSK	15	0	2048	2059	2063		
3	QPSK	1	0	2069	2084	2074		
3	QPSK	1	8	2084	2077	2080	21.4	1.5
3	QPSK	14	0	2065	2067	2058		
3	QPSK	8	0	1951	1954	1960		
3	QPSK	8	4	1959	1959	1958		
3	QPSK	7	0	1954	1954	1954	20.4	2.5
3	QPSK	15	0	1958	1949	1966		
3	QPSK	1	0	1753	1764	1753		
3	QPSK	1	8	1740	1752	1756	18.4	4.5
3	QPSK	1	14	1747	1759	1737		
3	QPSK	8	0	1750	1764	1750		
3	QPSK	8	4	1760	1770	1758	18.4	4.5
3	QPSK	8	7	1757	1765	1745		
3	QPSK	15	0	1753	1753	1753		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	1740.7	1745			



Band 38_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.16	20.22	20.21	20.8	0		
20	QPSK	1	49	20.12	20.19	20.18				
20	QPSK	1	99	20.01	20.01	20.08				
20	QPSK	50	0	20.16	20.17	20.05	20.8	0		
20	QPSK	50	24	19.97	20.09	20.08				
20	QPSK	50	50	19.86	20.12	20.02				
20	QPSK	100	0	19.97	20.1	20.06	20.8	0		
20	16QAM	1	49	19.99	20.05	19.96				
20	16QAM	1	99	20.06	20.11	20.04				
20	16QAM	50	0	20.14	20.15	20.05	20.8	0		
20	16QAM	50	24	20.14	20.15	20.03				
20	16QAM	50	50	20.12	20.12	20.03				
20	64QAM	1	0	20.05	20.05	20.02	20.8	0		
20	64QAM	1	49	20.03	20.09	19.96				
20	64QAM	1	99	20.1	20.13	20.03				
20	64QAM	50	0	19.78	19.72	19.69	20.4	0.4		
20	64QAM	50	24	19.68	19.76	19.76				
20	64QAM	50	50	19.89	19.85	19.8				
20	64QAM	100	0	19.92	19.76	19.71	18.4	2.4		
20	256QAM	1	49	17.45	17.45	17.43				
20	256QAM	1	99	17.36	17.52	17.40				
20	256QAM	50	0	17.35	17.42	17.28	18.4	2.4		
20	256QAM	50	24	17.42	17.48	17.34				
20	256QAM	50	50	17.43	17.39	17.49				
20	256QAM	100	0	17.35	17.43	17.27	Channel	MPR		
Frequency (MHz)										
15	QPSK	1	0	20.12	20.09	20.15			20.8	0
15	QPSK	1	37	20.01	20.17	20.05				
15	QPSK	1	74	20.14	20.12	20.05				
15	QPSK	36	0	20.05	20.09	19.95	20.8	0		
15	QPSK	36	20	19.91	20.07	19.98				
15	QPSK	36	39	19.93	20.05	19.91				
15	QPSK	75	0	19.93	20.01	19.93	20.8	0		
15	16QAM	1	0	19.98	19.98	19.92				
15	16QAM	1	37	20.02	20.01	19.95				
15	16QAM	1	74	20.04	20.05	20.03	20.8	0		
15	16QAM	36	0	19.98	20.05	20.01				
15	16QAM	36	20	20.07	20.12	19.93				
15	16QAM	36	39	19.93	20.00	19.96	20.8	0		
15	16QAM	75	0	19.93	20.01	20.01				
15	64QAM	1	0	19.95	20.06	19.95				
15	64QAM	1	37	20.01	19.95	19.84	20.8	0		
15	64QAM	1	74	20.04	20.04	20.02				
15	64QAM	36	0	19.89	19.86	19.82				
15	64QAM	36	20	19.91	19.87	19.73	20.4	0.4		
15	64QAM	36	39	19.84	19.84	19.71				
15	64QAM	75	0	19.88	19.75	19.63				
15	256QAM	1	0	17.42	17.41	17.38	18.4	2.4		
15	256QAM	1	37	17.41	17.38	17.44				
15	256QAM	1	74	17.29	17.47	17.31				
15	256QAM	36	0	17.35	17.36	17.34	18.4	2.4		
15	256QAM	36	20	17.34	17.40	17.27				
15	256QAM	36	39	17.34	17.43	17.41				
15	256QAM	75	0	17.40	17.40	17.23	Channel	MPR		
Frequency (MHz)										
10	QPSK	1	0	20.11	20.08	20.16			20.8	0
10	QPSK	1	25	20.06	20.14	20.15				
10	QPSK	1	49	20.21	20.13	20.01				
10	QPSK	25	0	20.08	20.03	19.93	20.8	0		
10	QPSK	25	12	19.87	20.05	20.03				
10	QPSK	25	24	19.97	20.10	19.96				
10	QPSK	50	0	19.89	20.02	20.03	20.8	0		
10	16QAM	1	0	19.99	19.90	19.84				
10	16QAM	1	25	20.04	20.04	19.91				
10	16QAM	1	49	20.04	20.11	19.99	20.8	0		
10	16QAM	25	0	20.11	20.12	20.04				
10	16QAM	25	12	20.12	20.13	20.01				
10	16QAM	25	25	19.89	19.88	19.93	20.8	0		
10	16QAM	50	0	20.03	20.07	20.05				
10	64QAM	1	0	19.92	19.91	20.00				
10	64QAM	1	25	19.88	19.96	19.89	20.8	0		
10	64QAM	1	49	20.02	20.09	19.96				
10	64QAM	25	0	19.71	19.60	19.57				
10	64QAM	25	12	19.84	19.75	19.88	20.4	0.4		
10	64QAM	25	25	19.82	19.82	19.74				
10	64QAM	50	0	19.85	19.87	19.70				
10	256QAM	1	0	17.37	17.39	17.41	18.4	2.4		
10	256QAM	1	25	17.43	17.42	17.40				
10	256QAM	1	49	17.24	17.45	17.36				
10	256QAM	25	0	17.34	17.32	17.27	18.4	2.4		
10	256QAM	25	12	17.31	17.39	17.33				
10	256QAM	25	25	17.31	17.40	17.20				
10	256QAM	50	0	17.34	17.40	17.40	Channel	MPR		
Frequency (MHz)										
5	QPSK	1	0	20.22	20.05	20.17.5			20.8	0
5	QPSK	1	12	20.09	20.14	20.08				
5	QPSK	1	24	20.18	20.15	20.00				
5	QPSK	12	0	20.08	20.05	20.01	20.8	0		
5	QPSK	12	7	19.92	19.99	19.93				
5	QPSK	12	13	19.95	20.06	19.88				
5	QPSK	25	0	19.85	20.10	20.01	20.8	0		
5	16QAM	1	0	19.98	19.99	19.92				
5	16QAM	1	12	20.05	20.11	19.91				
5	16QAM	1	24	20.08	20.01	20.00	20.8	0		
5	16QAM	12	0	20.09	20.07	19.98				
5	16QAM	12	7	20.13	20.14	19.99				
5	16QAM	12	13	19.95	19.97	19.89	20.8	0		
5	16QAM	25	0	20.08	20.07	19.99				
5	64QAM	1	0	19.92	19.91	19.84				
5	64QAM	1	12	19.90	20.08	19.87	20.8	0		
5	64QAM	1	24	20.02	20.02	19.99				
5	64QAM	12	0	19.78	19.74	19.73				
5	64QAM	12	13	19.80	19.81	19.73	20.4	0.4		
5	64QAM	25	0	19.82	19.84	19.86				
5	256QAM	1	0	17.34	17.36	17.42				
5	256QAM	1	12	17.35	17.37	17.40	18.4	2.4		
5	256QAM	1	24	17.35	17.40	17.29				
5	256QAM	12	0	17.34	17.32	17.16				
5	256QAM	12	7	17.33	17.44	17.28	18.4	2.4		
5	256QAM	12	13	17.35	17.40	17.45				
5	256QAM	25	0	17.33	17.33	17.19				

Band 41_Ant 4

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)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.25	20.2	20.28	20.24	20.21	20.8	0		
20	QPSK	1	49	20.21	20.2	20.22	20.08	20.17				
20	QPSK	1	99	20.13	20.11	20.19	20.19	20.08				
20	QPSK	50	0	20.18	20.14	20.2	20.15	20.06	20.8	0		
20	QPSK	50	24	20.04	20.04	20.14	19.99	20.01				
20	QPSK	50	50	20.04	20.05	20.16	20.02	20.13				
20	QPSK	100	0	20.07	20.01	20.11	19.98	19.96	20.8	0		
20	16QAM	1	0	20.06	19.96	20.09	20.09	20.02				
20	16QAM	1	49	19.96	19.88	19.97	19.95	19.84				
20	16QAM	1	99	20.11	20.11	20.11	20.09	20.04	20.8	0		
20	16QAM	50	0	20.03	20.04	20.14	20.04	20.02				
20	16QAM	50	24	20.03	20.11	20.18	20.03	20.13				
20	16QAM	50	50	20.03	20.1	20.16	20.13	20.03	20.8	0		
20	16QAM	100	0	19.89	19.86	19.89	19.84	19.87				
20	64QAM	1	0	19.84	20.08	20.07	20.07	20.04				
20	64QAM	1	49	19.98	19.99	20.08	19.98	19.97	20.8	0		
20	64QAM	1	99	20.09	20.03	20.13	20.09	20.03				
20	64QAM	50	0	19.8	19.63	19.82	19.44	19.31				
20	64QAM	50	24	19.69	19.79	19.85	19.54	19.38	20.4	0.4		
20	64QAM	50	50	19.71	19.75	19.61	19.52	19.42				
20	64QAM	100	0	19.69	19.73	19.83	19.52	19.33				
20	256QAM	1	0	17.70	17.61	17.60	17.68	17.73	18.4	2.4		
20	256QAM	1	49	17.59	17.42	17.72	17.56	17.43				
20	256QAM	1	99	17.55	17.70	17.58	17.59	17.55				
20	256QAM	50	0	17.41	17.54	17.41	17.54	17.52	18.4	2.4		
20	256QAM	50	24	17.40	17.27	17.54	17.44	17.55				
20	256QAM	50	50	17.39	17.32	17.38	17.24	17.24				
20	256QAM	100	0	17.42	17.42	17.26	17.26	17.37	Channel	MPR		
Frequency (MHz)												
15	QPSK	1	0	20.14	20.16	20.27	20.27	20.20			20.8	0



Band 41_Ant 6

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)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.49	19.50	19.50	19.49	19.44	20.3	0
20	QPSK	1	49	19.48	19.34	19.48	19.36	19.45		
20	QPSK	1	99	19.48	19.49	19.52	19.41	19.39		
20	QPSK	50	0	19.48	19.50	19.53	19.41	19.46		
20	QPSK	50	24	19.41	19.36	19.47	19.46	19.36	20.3	0
20	QPSK	50	74	19.42	19.36	19.44	19.36	19.31		
20	QPSK	100	0	19.42	19.44	19.48	19.40	19.44		
20	16QAM	1	49	19.44	19.57	19.58	19.56	19.51	20.3	0
20	16QAM	1	99	19.37	19.38	19.40	19.37	19.39		
20	16QAM	50	0	19.37	19.44	19.51	19.40	19.44		
20	16QAM	50	24	19.26	19.31	19.38	19.28	19.28	20.3	0
20	16QAM	50	74	19.35	19.37	19.39	19.39	19.29		
20	16QAM	100	0	19.31	19.43	19.49	19.40	19.41		
20	64QAM	1	0	19.37	19.39	19.47	19.35	19.46	20.3	0
20	64QAM	1	49	19.45	19.42	19.54	19.41	19.41		
20	64QAM	1	99	19.39	19.45	19.45	19.33	19.45		
20	64QAM	50	0	19.38	19.39	19.39	19.34	19.37	20.3	0
20	64QAM	50	24	19.48	19.40	19.49	19.35	19.43		
20	64QAM	50	74	19.47	19.42	19.50	19.46	19.50		
20	64QAM	100	0	19.50	19.50	19.54	19.46	19.42		
20	256QAM	1	0	19.50	19.50	19.50	19.50	19.50	19.3	1
20	256QAM	1	49	18.50	18.31	18.50	18.45	18.37		
20	256QAM	1	99	18.33	18.33	18.49	18.34	18.40		
20	256QAM	50	0	18.21	18.44	18.18	18.18	18.28	19.3	1
20	256QAM	50	24	18.26	18.37	18.36	18.50	18.41		
20	256QAM	50	74	18.41	18.36	18.48	18.24	18.22		
20	256QAM	100	0	18.23	18.34	18.27	18.31	18.21		
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.44	19.45	19.47	19.52	19.44	20.3	0
15	QPSK	1	37	19.42	19.36	19.47	19.48	19.41		
15	QPSK	1	74	19.48	19.42	19.44	19.48	19.47		
15	QPSK	36	0	19.43	19.52	19.53	19.39	19.50	20.3	0
15	QPSK	36	20	19.37	19.35	19.38	19.44	19.47		
15	QPSK	36	20	19.44	19.44	19.41	19.41	19.37		
15	QPSK	75	0	19.43	19.48	19.42	19.42	19.47	20.3	0
15	16QAM	1	0	19.41	19.33	19.39	19.42	19.38		
15	16QAM	1	37	19.38	19.58	19.52	19.43	19.47	20.3	0
15	16QAM	1	74	19.38	19.26	19.35	19.28	19.27		
15	16QAM	36	0	19.41	19.47	19.42	19.44	19.41	20.3	0
15	16QAM	36	20	19.26	19.29	19.38	19.35	19.34		
15	16QAM	36	39	19.30	19.39	19.29	19.34	19.33		
15	16QAM	75	0	19.37	19.53	19.44	19.45	19.38	19.3	1
15	64QAM	1	0	19.42	19.45	19.38	19.38	19.45	20.3	0
15	64QAM	1	37	19.42	19.49	19.39	19.40	19.51		
15	64QAM	36	0	19.32	19.34	19.34	19.33	19.33	20.3	0
15	64QAM	36	0	19.32	19.27	19.37	19.28	19.24		
15	64QAM	36	20	19.42	19.41	19.41	19.39	19.39	20.3	0
15	64QAM	36	20	19.36	19.40	19.40	19.47	19.46		
15	64QAM	75	0	19.51	19.45	19.39	19.40	19.48	20.3	0
15	256QAM	1	0	18.26	18.26	18.26	18.18	18.23	19.3	1
15	256QAM	1	37	18.40	18.52	18.40	18.43	18.38		
15	256QAM	1	74	18.26	18.29	18.42	18.18	18.40		
15	256QAM	36	0	18.27	18.40	18.40	18.40	18.47	20.4	2
15	256QAM	36	20	18.22	18.18	18.32	18.40	18.22		
15	256QAM	36	39	18.37	18.33	18.44	18.17	18.14	20.4	2
15	256QAM	75	0	18.21	18.24	18.22	18.21	18.27		
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.40	19.44	19.43	19.46	19.34	20.3	0
10	QPSK	1	49	19.47	19.41	19.49	19.45	19.40		
10	QPSK	25	0	19.40	19.40	19.47	19.48	19.48		
10	QPSK	25	12	19.33	19.37	19.37	19.33	19.38	20.3	0
10	QPSK	25	26	19.38	19.38	19.33	19.38	19.38		
10	QPSK	25	74	19.34	19.33	19.40	19.39	19.45		
10	16QAM	1	0	19.36	19.43	19.43	19.38	19.31	20.3	0
10	16QAM	1	49	19.33	19.48	19.48	19.52	19.48		
10	16QAM	1	99	19.35	19.34	19.38	19.32	19.27	20.3	0
10	16QAM	25	0	19.49	19.36	19.49	19.48	19.48		
10	16QAM	25	12	19.31	19.35	19.29	19.25	19.35	20.3	0
10	16QAM	25	26	19.39	19.24	19.25	19.33	19.28		
10	16QAM	50	0	19.33	19.34	19.34	19.36	19.26	20.3	0
10	64QAM	1	0	19.44	19.37	19.33	19.45	19.45		
10	64QAM	1	25	19.51	19.49	19.50	19.42	19.50	20.3	0
10	64QAM	1	49	19.46	19.37	19.44	19.33	19.42		
10	64QAM	25	0	19.27	19.24	19.24	19.37	19.26	20.3	0
10	64QAM	25	12	19.40	19.41	19.42	19.49	19.45		
10	64QAM	50	0	19.43	19.36	19.36	19.50	19.40	20.3	0
10	64QAM	50	0	19.54	19.50	19.54	19.43	19.41		
10	256QAM	1	0	18.01	18.35	18.07	18.14	18.19	19.3	1
10	256QAM	1	25	18.34	18.25	18.40	18.30	18.20		
10	256QAM	1	49	18.24	18.31	18.40	18.16	18.24		
10	256QAM	25	0	18.26	18.06	18.40	18.16	18.25	19.3	1
10	256QAM	25	12	18.08	18.29	18.18	18.41	18.22		
10	256QAM	25	26	18.38	18.33	18.45	18.08	18.03		
10	256QAM	50	0	18.20	18.24	18.41	18.22	18.16	20.4	2
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.40	19.52	19.42	19.47	19.39	20.3	0
5	QPSK	1	12	19.43	19.38	19.43	19.44	19.38		
5	QPSK	1	24	19.40	19.49	19.46	19.41	19.41		
5	QPSK	12	0	19.38	19.51	19.39	19.46	19.42	20.3	0
5	QPSK	12	7	19.36	19.39	19.32	19.47	19.36		
5	QPSK	12	13	19.37	19.38	19.44	19.42	19.44	20.3	0
5	QPSK	12	0	19.43	19.43	19.44	19.40	19.45		
5	16QAM	1	0	19.42	19.38	19.35	19.38	19.40	20.3	0
5	16QAM	1	12	19.37	19.45	19.50	19.52	19.46		
5	16QAM	1	24	19.39	19.30	19.25	19.29	19.35	20.3	0
5	16QAM	12	0	19.46	19.44	19.41	19.38	19.48		
5	16QAM	12	7	19.39	19.30	19.39	19.38	19.39	20.3	0
5	16QAM	12	13	19.37	19.26	19.37	19.27	19.25		
5	16QAM	25	0	19.33	19.43	19.37	19.41	19.39	20.3	0
5	64QAM	1	0	19.40	19.32	19.43	19.33	19.33	20.3	0
5	64QAM	1	12	19.48	19.46	19.48	19.47	19.39		
5	64QAM	1	24	19.35	19.32	19.42	19.37	19.33	20.3	0
5	64QAM	12	0	19.29	19.38	19.28	19.28	19.36		
5	64QAM	12	7	19.44	19.39	19.40	19.46	19.34	20.3	0
5	64QAM	12	13	19.35	19.46	19.49	19.47	19.44		
5	64QAM	25	0	19.39	19.46	19.52	19.49	19.39		
5	256QAM	1	0	18.18	18.37	18.24	18.14	18.26	19.3	1
5	256QAM	1	12	18.24	18.27	18.44	18.24	18.28		
5	256QAM	1	24	18.28	18.28	18.44	18.30	18.38	20.4	2
5	256QAM	12	0	18.26	18.21	18.31	18.17	18.14		
5	256QAM	12	7	18.11	18.24	18.21	18.33	18.39	20.4	2
5	256QAM	12	13	18.34	18.22	18.41	18.09	18.15		
5	256QAM	25	0	18.10	18.33	18.21	18.24	18.24		

Band 41_Ant 4 (HPUE)

BW [MHz]	Modulation	
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Band 41_Ant 6 (HPUE)

Table with columns: 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), MPR (dB). Contains multiple channel frequency lists for QPSK, 16QAM, and 256QAM.

Band 48_Ant 6

Table with columns: 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), MPR (dB). Contains multiple channel frequency lists for QPSK, 16QAM, and 256QAM.



Band 48_Ant 13

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)	MPR (dB)
Channel				5540	5580	5610	5640		
Frequency (MHz)				3660	3660	3641	3660		
20	QPSK	1	0	19.71	19.65	19.56	19.40	20.8	4
20	QPSK	1	49	23.81	23.83	23.98	23.99	24.8	0
20	QPSK	1	99	19.73	19.63	19.58	19.67	20.8	4
20	QPSK	50	0	22.84	22.65	22.72	22.76	23.8	1
20	QPSK	50	24	22.80	22.68	22.78	22.70	23.8	1
20	QPSK	50	24	22.81	22.68	22.96	22.63	23.8	1
20	QPSK	100	0	19.50	19.79	19.84	19.75	20.8	4
20	16QAM	1	0	18.84	18.84	18.90	18.90	19.8	5
20	16QAM	1	49	22.08	22.47	22.57	22.54	23.8	1
20	16QAM	1	99	18.66	18.57	18.61	18.99	19.8	5
20	16QAM	50	0	21.81	21.77	21.71	21.77	22.8	2
20	16QAM	50	24	21.88	21.77	21.77	21.79	22.8	2
20	16QAM	50	50	21.81	21.61	21.73	21.75	22.8	2
20	16QAM	100	0	18.81	18.65	18.78	18.65	19.8	5
20	64QAM	1	0	17.75	17.67	17.63	17.70	18.8	6
20	64QAM	1	49	21.95	21.62	21.80	21.78	22.8	2
20	64QAM	1	99	17.79	17.74	17.74	17.70	18.8	6
20	64QAM	50	0	20.87	20.77	20.72	20.75	21.8	3
20	64QAM	50	24	20.88	20.73	20.73	20.81	21.8	3
20	64QAM	50	50	20.81	20.72	20.73	20.64	21.8	3
20	64QAM	100	0	17.81	17.84	17.74	17.76	18.8	6
20	256QAM	1	0	14.87	14.86	14.77	14.81	15.8	9
20	256QAM	1	49	18.75	18.67	18.63	18.57	19.8	6
20	256QAM	1	99	14.80	14.70	14.61	14.69	15.8	9
20	256QAM	50	0	18.63	18.64	18.65	18.64	19.8	5
20	256QAM	50	24	18.82	18.74	18.66	18.72	19.8	5
20	256QAM	50	50	18.81	18.67	18.63	18.75	19.8	5
20	256QAM	100	0	15.88	15.69	15.73	15.71	16.8	8
Channel				5515	5550	5610	5665		
Frequency (MHz)				3660	3660	3641	3660		
15	QPSK	1	0	19.03	19.51	19.43	19.43	19.8	4
15	QPSK	1	37	23.69	23.66	23.60	23.55	24.8	0
15	QPSK	1	74	19.68	19.58	19.60	19.44	19.8	4
15	QPSK	36	0	22.82	22.65	22.76	22.62	23.8	1
15	QPSK	36	20	22.85	22.67	22.75	22.66	23.8	1
15	QPSK	36	39	22.77	22.69	22.72	22.72	23.8	1
15	QPSK	75	0	20.92	20.75	20.81	20.75	21.8	3
15	16QAM	1	0	17.88	17.74	17.77	17.70	18.8	6
15	16QAM	1	37	21.85	21.50	21.75	21.78	22.8	2
15	16QAM	1	74	17.75	17.58	17.64	17.67	18.8	6
15	16QAM	36	0	20.88	20.88	20.86	20.71	21.8	3
15	16QAM	36	20	20.88	20.81	20.72	20.81	21.8	3
15	16QAM	36	39	18.74	18.58	18.55	18.54	19.8	6
15	16QAM	75	0	18.02	18.00	18.03	18.07	19.8	5
15	64QAM	1	0	16.70	16.60	16.71	16.70	17.8	5
15	64QAM	1	37	22.79	22.72	22.71	22.74	23.8	1
15	64QAM	1	74	18.75	18.62	18.66	18.62	19.8	5
15	64QAM	36	0	21.83	21.67	21.73	21.77	22.8	2
15	64QAM	36	20	21.83	21.66	21.73	21.70	22.8	2
15	64QAM	36	39	21.79	21.66	21.73	21.61	22.8	2
15	64QAM	75	0	19.81	19.68	19.68	19.62	20.8	4
15	256QAM	1	0	14.77	14.68	14.61	14.64	15.8	9
15	256QAM	1	37	18.74	18.69	18.65	18.67	19.8	5
15	256QAM	1	74	14.76	14.69	14.60	14.60	15.8	9
15	256QAM	36	0	18.84	18.64	18.64	18.66	19.8	5
15	256QAM	36	20	18.85	18.67	18.77	18.70	19.8	5
15	256QAM	36	39	18.80	18.74	18.61	18.66	19.8	5
15	256QAM	75	0	16.88	16.82	16.74	16.76	17.8	7
Channel				5500	5585	56165	5680		
Frequency (MHz)				3660	3675	3673	3675		
10	QPSK	1	0	23.70	23.70	23.78	23.72	24.8	0
10	QPSK	1	25	23.70	23.72	23.74	23.79	24.8	0
10	QPSK	1	49	23.78	23.75	23.75	23.75	24.8	0
10	QPSK	25	0	23.60	23.84	23.84	22.81	24.8	0
10	QPSK	25	12	23.02	22.90	22.96	22.82	23.8	1
10	QPSK	50	0	22.81	22.81	22.84	22.77	23.8	1
10	QPSK	50	26	22.98	22.58	22.84	22.88	23.8	1
10	16QAM	1	0	21.97	21.83	21.91	21.80	23.8	1
10	16QAM	1	26	21.88	22.08	21.83	21.83	23.8	1
10	16QAM	1	49	21.97	21.90	21.85	21.84	23.8	1
10	16QAM	25	0	20.97	20.82	20.85	20.81	21.8	3
10	16QAM	25	12	21.05	20.89	20.99	20.91	21.8	3
10	16QAM	25	25	20.98	20.91	20.89	20.87	21.8	3
10	16QAM	50	0	21.01	20.89	20.99	20.86	21.8	3
10	64QAM	1	0	21.89	21.85	21.79	21.92	22.8	2
10	64QAM	1	25	21.86	21.97	21.96	21.91	22.8	2
10	64QAM	1	49	21.79	21.80	21.85	21.78	22.8	2
10	64QAM	25	0	20.93	20.95	20.94	20.95	21.8	3
10	64QAM	25	12	20.92	20.94	20.99	20.97	21.8	3
10	64QAM	50	0	20.85	20.84	20.83	20.81	21.8	3
10	64QAM	50	0	20.92	20.90	20.94	20.96	21.8	3
10	256QAM	1	0	19.15	19.03	19.09	19.04	19.8	5
10	256QAM	1	25	18.98	19.05	19.09	19.06	19.8	5
10	256QAM	1	49	19.08	19.02	19.04	18.88	19.8	5
10	256QAM	25	0	19.02	19.01	19.05	19.09	19.8	5
10	256QAM	25	12	18.99	19.02	19.07	19.10	19.8	5
10	256QAM	25	25	19.06	19.09	19.09	19.00	19.8	5
10	256QAM	50	0	19.04	18.97	18.97	19.06	19.8	5
Channel				5505	5590	5670	5675		
Frequency (MHz)				3662.5	3607	3643	3697.5		
8	QPSK	1	0	23.71	23.70	23.74	23.74	24.8	0
8	QPSK	1	12	23.79	23.79	23.70	23.74	24.8	0
8	QPSK	1	24	23.74	23.71	23.73	23.76	24.8	0
8	QPSK	12	0	22.80	22.81	22.85	22.94	23.8	1
8	QPSK	12	7	22.88	22.87	22.84	22.90	23.8	1
8	QPSK	12	13	22.83	22.74	22.86	22.77	23.8	1
8	QPSK	25	0	22.79	22.82	22.78	22.89	23.8	1
8	16QAM	1	0	21.89	21.88	21.87	21.84	22.8	2
8	16QAM	1	12	21.87	21.88	21.80	21.82	22.8	2
8	16QAM	1	24	21.82	21.81	21.84	21.86	22.8	2
8	16QAM	12	0	20.81	20.85	21.07	20.81	21.8	3
8	16QAM	12	7	20.91	20.99	20.99	20.95	21.8	3
8	16QAM	12	13	20.88	20.87	20.82	20.88	21.8	3
8	16QAM	25	0	20.88	20.86	20.90	20.87	21.8	3
8	64QAM	1	0	21.81	21.88	21.86	21.81	22.8	2
8	64QAM	1	12	21.84	21.95	21.99	21.89	22.8	2
8	64QAM	1	24	21.72	21.79	21.74	21.72	22.8	2
8	64QAM	12	0	20.98	20.98	20.98	20.98	21.8	3
8	64QAM	12	7	20.99	20.94	20.87	20.89	21.8	3
8	64QAM	12	13	20.96	20.94	20.96	20.90	21.8	3
8	64QAM	25	0	20.84	20.83	20.84	20.84	21.8	3
8	256QAM	1	0	19.04	18.03	19.02	18.96	19.8	5
8	256QAM	1	12	19.03	18.98	19.06	19.03	19.8	5
8	256QAM	1	24	19.03	18.98	19.06	18.98	19.8	5
8	256QAM	12	0	18.97	19.08	19.08	19.00	19.8	5
8	256QAM	12	7	18.95	19.08	18.95	18.96	19.8	5
8	256QAM	12	13	19.03	19.05	19.07	19.02	19.8	5
8	256QAM	25	0	19.05	19.02	19.05	19.00	19.8	5



n2 Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1860	1890	1900		
20	PV2 BPSK	1	1	22.25	22.23	22.24		
20	PV2 BPSK	1	53	22.24	22.27	22.23		
20	PV2 BPSK	1	104	22.22	22.20	22.24	24.2	0.0
20	PV2 BPSK	50	0	21.77	21.81	21.83	23.7	0.5
20	PV2 BPSK	50	26	22.23	22.25	22.30	24.2	0.0
20	PV2 BPSK	50	56	21.80	21.83	21.75	23.7	0.5
20	PV2 BPSK	100	0	21.82	21.85	21.75		
20	QPSK	1	1	22.85	23.08	22.98		
20	QPSK	1	53	22.84	23.07	23.05	24.2	0.0
20	QPSK	1	104	22.88	23.00	22.94		
20	QPSK	50	0	22.30	22.37	22.20	23.2	1.0
20	QPSK	50	26	22.81	22.91	22.75	24.2	0.0
20	QPSK	50	56	22.35	22.38	22.22	23.2	1.0
20	QPSK	100	0	22.25	22.37	22.30		
20	8QAM	1	1	21.32	21.44	21.27	23.2	2.0
20	8QAM	1	1	20.32	20.40	20.32	21.7	2.5
20	256QAM	1	1	18.89	19.02	18.02	18.7	4.5
Channel				1810.0	1820.0	1820.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1807.5	1860	1802.5		
15	QPSK	1	1	22.89	22.94	22.80	24.2	0.0
Channel				1810.0	1820.0	1810.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1890	1905		
10	QPSK	1	1	22.07	22.02	22.83	24.2	0.0
Channel				1802.5	1802.5	1802.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1890	1807.5		
5	QPSK	1	1	22.85	22.90	22.85	24.2	0.0

n2 Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1890	1890	1900		
20	PV2 BPSK	1	1	18.94	19.07	19.02		
20	PV2 BPSK	1	53	18.68	18.87	18.71	20.2	0.0
20	PV2 BPSK	1	104	18.72	18.83	18.66		
20	PV2 BPSK	50	0	18.50	18.53	18.44	20.2	0.0
20	PV2 BPSK	50	26	18.74	19.00	18.88	20.2	0.0
20	PV2 BPSK	50	56	18.75	18.79	18.66	20.2	0.0
20	PV2 BPSK	100	0	18.66	18.80	18.58		
20	QPSK	1	1	19.01	19.08	18.97		
20	QPSK	1	53	18.95	18.99	18.96	20.2	0.0
20	QPSK	1	104	18.72	18.84	18.70		
20	QPSK	50	0	18.89	18.97	18.71	20.2	0.0
20	QPSK	50	26	18.84	18.92	18.60	20.2	0.0
20	QPSK	50	56	18.95	19.00	18.64	20.2	0.0
20	QPSK	100	0	18.87	19.00	18.59		
20	16QAM	1	1	18.90	18.92	18.62	20.2	0.0
20	64QAM	1	1	18.74	18.81	18.72	20.2	0.0
20	256QAM	1	1	18.77	18.80	18.70	20.2	0.0
Channel				1820.0	1820.0	1820.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1807.5	1860	1802.5		
15	QPSK	1	1	18.86	19.05	18.94	21.2	0.0
Channel				1810.0	1820.0	1810.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1890	1905		
10	QPSK	1	1	18.88	19.10	18.90	21.2	0.0
Channel				1802.5	1802.5	1802.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1890	1807.5		
5	QPSK	1	1	19.00	18.95	19.07	20.2	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 50000	Power Middle Ch. / Freq. 50700	Power High Ch. / Freq. 51500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	16.27	16.37	16.23	17.5	0.0
40	PV2 BPSK	1	108	16.09	16.15	16.03		
40	PV2 BPSK	1	214	16.26	16.27	16.22		
40	PV2 BPSK	108	0	16.03	16.19	15.17	17.5	0.0
40	PV2 BPSK	108	54	15.99	16.21	16.10	17.5	0.0
40	PV2 BPSK	108	108	16.00	16.15	16.05	17.5	0.0
40	PV2 BPSK	216	0	16.15	16.15	16.15	17.5	0.0
40	QPSK	1	1	16.26	16.41	16.26		
40	QPSK	1	108	15.93	16.01	15.90		
40	QPSK	1	214	16.09	16.10	16.10	17.5	0.0
40	QPSK	108	0	16.09	16.19	16.10	17.5	0.0
40	QPSK	108	54	16.10	16.20	16.01	17.5	0.0
40	QPSK	108	108	16.16	16.17	16.10	17.5	0.0
40	QPSK	216	0	16.10	16.15	16.14	17.5	0.0
40	8QAM	1	1	16.06	16.28	16.14	17.5	0.0
40	8QAM	1	1	16.34	16.25	16.11	17.5	0.0
40	256QAM	1	1	16.18	16.31	16.19	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25203	25203	25203	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.16	16.27	16.16	17.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25250	25250	25250	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	50700	50700	51250	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	50000	50700	51500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	16.25	16.39	16.17	17.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 50000	Power Middle Ch. / Freq. 50700	Power High Ch. / Freq. 51500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	16.20	16.28	16.28	17.7	0.0
40	PV2 BPSK	1	108	16.16	16.36	16.05		
40	PV2 BPSK	1	214	16.09	16.22	16.16		
40	PV2 BPSK	108	0	16.06	16.21	16.17	17.7	0.0
40	PV2 BPSK	108	54	16.27	16.42	16.18	17.7	0.0
40	PV2 BPSK	108	108	16.16	16.20	16.13	17.7	0.0
40	PV2 BPSK	216	0	16.36	16.24	16.26	17.7	0.0
40	QPSK	1	1	16.36	16.45	16.28		
40	QPSK	1	108	16.03	16.15	15.96		
40	QPSK	1	214	16.00	16.07	15.93	17.7	0.0
40	QPSK	108	0	16.17	16.32	16.27	17.7	0.0
40	QPSK	108	54	16.26	16.26	16.21	17.7	0.0
40	QPSK	108	108	16.30	16.04	16.11	17.7	0.0
40	QPSK	216	0	16.25	16.27	16.20	17.7	0.0
40	16QAM	1	1	16.27	16.29	16.17	17.7	0.0
40	64QAM	1	1	16.03	16.31	16.12	17.7	0.0
40	256QAM	1	1	16.33	16.28	16.05	17.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25103	25203	25303	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.21	16.29	16.21	17.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25125	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	50700	50700	51250	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	50000	50700	51500	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	16.20	16.38	16.22	17.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
40	P1/2 BPSK	1	1	1870	1882.5	1895		
40	P1/2 BPSK	1	108	2319	2330	2333		
40	P1/2 BPSK	1	214	2322	2330	2330	24.2	0.0
40	P1/2 BPSK	108	0	2315	2325	2311		
40	P1/2 BPSK	108	0	2296	2310	2303	23.7	0.5
40	P1/2 BPSK	108	54	2303	2322	2317	24.2	0.0
40	P1/2 BPSK	108	108	2307	2315	2300	23.7	0.5
40	P1/2 BPSK	216	0	2321	2324	2311		
40	QPSK	1	1	2330	2338	2333		
40	QPSK	1	108	2312	2320	2319	24.2	0.0
40	QPSK	1	214	2323	2327	2323		
40	QPSK	108	0	2240	2238	2239	23.2	1.0
40	QPSK	108	54	2253	2230	2234	24.2	0.0
40	QPSK	108	108	2240	2233	2241	23.2	1.0
40	QPSK	216	0	2244	2246	2239		
40	16QAM	1	1	2247	2240	2248	23.2	1.0
40	16QAM	1	1	2087	2088	2093	21.7	2.5
40	256QAM	1	1	1908	1905	1815	18.7	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	32003	32003	32003	MPR	(dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	1865	1882.5	1900	24.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	2307	2320	2320	24.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	37500	37500	38150	MPR	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	1865	1882.5	1910	MPR	(dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	2312	2321	2321	24.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
40	P1/2 BPSK	1	1	1870	1882.5	1895		
40	P1/2 BPSK	1	108	1903	1915	1920		
40	P1/2 BPSK	1	214	1901	1919	1906	20.2	0.0
40	P1/2 BPSK	108	0	1912	1910	1911		
40	P1/2 BPSK	108	0	1921	1920	1922	20.2	0.0
40	P1/2 BPSK	108	54	1910	1931	1928	20.2	0.0
40	P1/2 BPSK	108	108	1918	1934	1929	20.2	0.0
40	P1/2 BPSK	216	0	1916	1934	1918		
40	QPSK	1	1	1930	1943	1932		
40	QPSK	1	108	1905	1920	1909	20.2	0.0
40	QPSK	1	214	1910	1916	1915		
40	QPSK	108	0	1884	1910	1897	20.2	0.0
40	QPSK	108	54	1918	1928	1925	20.2	0.0
40	QPSK	108	108	1905	1916	1923	20.2	0.0
40	QPSK	216	0	1900	1923	1934		
40	16QAM	1	1	1907	1916	1907	20.2	0.0
40	16QAM	1	1	1896	1910	1902	20.2	0.0
40	256QAM	1	1	1900	1905	1891	20.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	32003	32003	32003	MPR	(dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	1865	1882.5	1900	20.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	1900	1910	1911	20.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	37500	37500	38150	MPR	(dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	1865	1882.5	1910	MPR	(dB)
Channel								
Frequency (MHz)								
5	QPSK	1	1	1903	1917	1910	20.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
10	PI/2 BPSK	1	1	18.20	18.20	18.20	19.2	0.0
10	PI/2 BPSK	1	26	18.13	18.13	18.13	19.2	0.0
10	PI/2 BPSK	1	50	18.18	18.18	18.18	19.2	0.0
10	PI/2 BPSK	35	0	18.20	18.20	18.20	19.2	0.0
10	PI/2 BPSK	25	14	18.24	18.24	18.24	19.2	0.0
10	PI/2 BPSK	25	27	18.20	18.20	18.20	19.2	0.0
10	PI/2 BPSK	50	0	18.23	18.23	18.23	19.2	0.0
10	QPSK	1	1	18.42	18.42	18.42	19.2	0.0
10	QPSK	1	26	18.26	18.26	18.26	19.2	0.0
10	QPSK	1	50	18.37	18.37	18.37	19.2	0.0
10	QPSK	25	0	18.38	18.38	18.38	19.2	0.0
10	QPSK	25	14	18.34	18.34	18.34	19.2	0.0
10	QPSK	25	27	18.14	18.14	18.14	19.2	0.0
10	QPSK	50	0	18.40	18.40	18.40	19.2	0.0
10	16QAM	1	1	18.20	18.20	18.20	19.2	0.0
10	16QAM	1	1	18.22	18.22	18.22	19.2	0.0
10	256QAM	1	1	18.27	18.27	18.27	19.2	0.0
Channel				461500	462000	462500	Tune-up limit	MPR
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)
5	QPSK	1	1	18.16	18.27	18.20	19.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.19	22.28	22.22	23.7	0.0
40	PI/2 BPSK	1	108	22.12	22.23	22.06	23.7	0.0
40	PI/2 BPSK	1	214	22.12	22.20	22.08	23.7	0.0
40	PI/2 BPSK	108	0	21.46	21.36	21.42	23.2	0.5
40	PI/2 BPSK	108	54	22.06	22.15	22.03	23.7	0.0
40	PI/2 BPSK	108	108	21.48	21.38	21.48	23.2	0.5
40	PI/2 BPSK	216	0	21.46	21.20	21.35	23.2	0.5
40	QPSK	1	1	22.30	22.39	22.25	23.7	0.0
40	QPSK	1	108	22.10	22.23	22.16	23.7	0.0
40	QPSK	1	214	22.05	22.15	22.11	23.7	0.0
40	QPSK	108	0	22.13	22.30	22.23	23.7	1.9
40	QPSK	108	54	22.08	22.25	22.15	23.7	0.0
40	QPSK	108	108	22.06	22.22	22.15	23.7	1.9
40	QPSK	216	0	22.12	22.18	22.10	23.7	1.9
40	16QAM	1	1	22.07	22.10	21.99	23.7	0.0
40	16QAM	1	1	22.72	20.80	20.52	21.2	2.5
40	256QAM	1	1	18.59	18.74	18.65	19.2	4.5
Channel				345000	345300	345600	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	22.03	22.18	22.15	23.7	0.0
Channel				345000	345300	345600	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	22.08	22.10	22.10	23.7	0.0
Channel				345000	345000	345000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.00	22.25	22.11	23.7	0.0
Channel				345000	345000	345000	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.05	22.22	22.09	23.7	0.0
Channel				345000	345000	345000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	22.01	22.17	22.10	23.7	0.0
Channel				345000	345000	345000	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	22.15	22.25	22.10	23.7	0.0



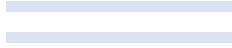
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Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel	Frequency (MHz)				1730	1745	1760		
40	Pi/2 BPSK	1	1	1733	1803	1757			
40	Pi/2 BPSK	1	108	1778	1808	1800	19.2	0.0	
40	Pi/2 BPSK	1	214	1785	1788	1774			
40	Pi/2 BPSK	108	0	1775	1758	1751	19.2	0.0	
40	Pi/2 BPSK	108	54	1777	1756	1758	19.2	0.0	
40	Pi/2 BPSK	108	108	1783	1762	1782	19.2	0.0	
40	Pi/2 BPSK	214	0	1752	1802	1786			
40	QPSK	1	1	1807	1820	1810			
40	QPSK	1	108	1772	1796	1783	19.2	0.0	
40	QPSK	1	214	1782	1779	1781			
40	QPSK	108	0	1798	1818	1784	19.2	0.0	
40	QPSK	108	54	1788	1817	1808	19.2	0.0	
40	QPSK	108	108	1801	1756	1775	19.2	0.0	
40	QPSK	214	0	1785	1756	1784			
40	16QAM	1	1	1767	1778	1758	19.2	0.0	
40	64QAM	1	1	1775	1758	1795	19.2	0.0	
40	256QAM	1	1	1753	1800	1791	19.2	0.0	
Channel	Frequency (MHz)				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	1725	1745	1765	19.2	0.0	
Channel	Frequency (MHz)				1801	1815	1800		
30	QPSK	1	1	1722.5	1745	1767.5	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	1772	1803	1806	19.2	0.0	
Channel	Frequency (MHz)				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	1720	1745	1770	19.2	0.0	
Channel	Frequency (MHz)				1724	1800	1763		
15	QPSK	1	1	1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
Channel	Frequency (MHz)				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	1715	1745	1775	19.2	0.0	
Channel	Frequency (MHz)				1728	1812	1769		
5	QPSK	1	1	1728	1802	1811	19.2	0.0	



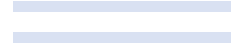
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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2585	2595	2605		
30	Pi/2 BPSK	1	1	17.39	17.62	17.46		
30	Pi/2 BPSK	1	40	17.24	17.37	17.13	18.7	0.0
30	Pi/2 BPSK	1	77	17.36	17.46	17.45		
30	Pi/2 BPSK	36	0	17.45	17.30	17.25	18.7	0.0
30	Pi/2 BPSK	36	22	17.16	17.45	17.23		
30	Pi/2 BPSK	36	43	17.27	17.50	17.28	18.7	0.0
30	Pi/2 BPSK	75	0	17.40	17.52	17.47		
30	QPSK	1	1	17.60	17.65	17.52		
30	QPSK	1	40	17.20	17.27	17.18	18.7	0.0
30	QPSK	1	77	17.15	17.42	17.29		
30	QPSK	36	0	17.34	17.49	17.36		
30	QPSK	36	22	17.50	17.35	17.35	18.7	0.0
30	QPSK	36	43	17.33	17.31	17.44		
30	QPSK	75	0	17.16	17.38	17.35		
30	8QAM	1	1	17.15	17.27	17.16	18.7	0.0
30	8QAM	1	1	17.03	17.25	17.19	18.7	0.0
30	256QAM	1	1	17.15	17.20	17.10	18.7	0.0
Channel								
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	17.33	17.25	17.42	18.7	0.0
Channel								
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	1	17.31	17.21	17.35	18.7	0.0
Channel								
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	17.48	17.48	17.47	18.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				2585	2595	2605		
30	Pi/2 BPSK	1	1	17.01	17.01	17.01		
30	Pi/2 BPSK	1	40	17.07	17.07	17.07	18.5	0.0
30	Pi/2 BPSK	1	77	17.04	17.04	17.04		
30	Pi/2 BPSK	36	0	16.98	16.98	16.98	18.5	0.0
30	Pi/2 BPSK	36	22	17.21	17.21	17.21		
30	Pi/2 BPSK	36	43	17.24	17.24	17.24	18.5	0.0
30	Pi/2 BPSK	75	0	16.98	16.98	16.98		
30	QPSK	1	1	17.29	17.29	17.29		
30	QPSK	1	40	17.23	17.23	17.23	18.5	0.0
30	QPSK	1	77	17.17	17.17	17.17		
30	QPSK	36	0	17.17	17.17	17.17		
30	QPSK	36	22	17.26	17.26	17.26	18.5	0.0
30	QPSK	36	43	17.02	17.02	17.02		
30	QPSK	75	0	17.11	17.11	17.11	18.5	0.0
30	16QAM	1	1	16.93	16.93	16.93	18.5	0.0
30	64QAM	1	1	17.04	17.04	17.04	18.5	0.0
30	256QAM	1	1	16.98	16.98	16.98	18.5	0.0
Channel								
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	17.08	17.02	17.21	18.5	0.0
Channel								
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	1	17.01	17.01	17.01	18.5	0.0
Channel								
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	17.05	17.04	17.21	18.5	0.0





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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	17.56	17.74	17.69		
100	Pi2 BPSK	1	137	17.56	17.53	17.55	18.7	0.0
100	Pi2 BPSK	1	271	17.57	17.69	17.64		
100	Pi2 BPSK	135	0	17.52	17.49	17.58	18.7	0.0
100	Pi2 BPSK	135	69	17.62	17.65	17.38	18.7	0.0
100	Pi2 BPSK	135	138	17.56	17.62	17.43	18.7	0.0
100	Pi2 BPSK	270	0	17.45	17.65	17.51		
100	QPSK	1	1	17.61	17.50	17.67		
100	QPSK	1	137	17.57	17.64	17.51	18.7	0.0
100	QPSK	1	271	17.68	17.75	17.47		
100	QPSK	135	0	17.48	17.72	17.63		
100	QPSK	135	69	17.69	17.75	17.97	18.7	0.0
100	QPSK	135	138	17.54	17.56	17.41		
100	QPSK	270	0	17.40	17.53	17.47	18.7	0.0
100	16QAM	1	1	17.32	17.44	17.31	18.7	0.0
100	16QAM	1	137	17.44	17.50	17.25	18.7	0.0
100	16QAM	1	271	17.44	17.50	17.25	18.7	0.0
100	256QAM	1	1	17.57	17.45	17.29	18.7	0.0
Channel				500203	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	17.72	17.74	17.74	18.7	0.0
Channel				500204	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	17.82	17.83	17.85	18.7	0.0
Channel				500205	518098	537000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	17.68	17.77	17.67	18.7	0.0
Channel				500200	518098	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	17.70	17.73	17.72	18.7	0.0
Channel				504004	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)
50	QPSK	1	1	17.73	17.73	17.73	18.7	0.0
Channel				503002	518098	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2650	(dBm)	(dB)
40	QPSK	1	1	17.68	17.73	17.72	18.7	0.0
Channel				502000	518098	534996	Tune-up limit	MPR
Frequency (MHz)				17.73	17.73	17.70	(dBm)	(dB)
30	QPSK	1	1	17.73	17.76	17.70	18.7	0.0
Channel				501204	518098	535998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2644.98	(dBm)	(dB)
20	QPSK	1	1	17.72	17.78	17.88	18.7	0.0
Channel				500700	518098	536496	Tune-up limit	MPR
Frequency (MHz)				2505.02	2592.99	2639.99	(dBm)	(dB)
15	QPSK	1	1	17.80	17.83	17.79	18.7	0.0
Channel				500202	518098	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2635	(dBm)	(dB)
10	QPSK	1	1	17.77	17.81	17.75	18.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	17.56	17.74	17.69		
100	Pi2 BPSK	1	137	17.56	17.53	17.55	18.7	0.0
100	Pi2 BPSK	1	271	17.57	17.69	17.64		
100	Pi2 BPSK	135	0	17.52	17.49	17.58	18.7	0.0
100	Pi2 BPSK	135	69	17.62	17.65	17.38	18.7	0.0
100	Pi2 BPSK	135	138	17.56	17.62	17.43	18.7	0.0
100	Pi2 BPSK	270	0	17.45	17.65	17.51		
100	QPSK	1	1	17.61	17.50	17.67		
100	QPSK	1	137	17.57	17.64	17.51	18.7	0.0
100	QPSK	1	271	17.68	17.75	17.47		
100	QPSK	135	0	17.48	17.72	17.63		
100	QPSK	135	69	17.69	17.75	17.97	18.7	0.0
100	QPSK	135	138	17.54	17.56	17.41		
100	QPSK	270	0	17.40	17.53	17.47	18.7	0.0
100	16QAM	1	1	17.32	17.44	17.31	18.7	0.0
100	16QAM	1	137	17.44	17.50	17.25	18.7	0.0
100	16QAM	1	271	17.44	17.50	17.25	18.7	0.0
100	256QAM	1	1	17.57	17.45	17.29	18.7	0.0
Channel				500203	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	17.72	17.74	17.74	18.7	0.0
Channel				500204	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2538.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	17.82	17.83	17.85	18.7	0.0
Channel				500205	518098	537000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	17.68	17.77	17.67	18.7	0.0
Channel				500200	518098	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	17.70	17.73	17.72	18.7	0.0
Channel				504004	518098	536993	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2654.99	(dBm)	(dB)
50	QPSK	1	1	17.73	17.73	17.73	18.7	0.0
Channel				503002	518098	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2650	(dBm)	(dB)
40	QPSK	1	1	17.68	17.73	17.72	18.7	0.0
Channel				502000	518098	534996	Tune-up limit	MPR
Frequency (MHz)				17.73	17.73	17.70	(dBm)	(dB)
30	QPSK	1	1	17.73	17.76	17.70	18.7	0.0
Channel				501204	518098	535998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2644.98	(dBm)	(dB)
20	QPSK	1	1	17.72	17.78	17.88	18.7	0.0
Channel				500700	518098	536496	Tune-up limit	MPR
Frequency (MHz)				2505.02	2592.99	2639.99	(dBm)	(dB)
15	QPSK	1	1	17.80	17.83	17.79	18.7	0.0
Channel				500202	518098	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2635	(dBm)	(dB)
10	QPSK	1	1	17.77	17.81	17.75	18.7	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	P1/2 BPSK	1	1	17.30	17.33	17.24		
100	P1/2 BPSK	1	137	17.12	17.11	17.16	18.5	0.0
100	P1/2 BPSK	1	271	17.08	17.26	17.11		
100	P1/2 BPSK	135	0	16.86	17.04	16.84	18.5	0.0
100	P1/2 BPSK	135	69	16.90	17.13	17.07	18.5	0.0
100	P1/2 BPSK	135	138	16.88	17.04	17.09	18.5	0.0
100	P1/2 BPSK	270	0	17.04	17.08	17.03		
100	QPSK	1	1	17.23	17.35	17.17		
100	QPSK	1	137	17.08	17.07	16.99	18.5	0.0
100	QPSK	1	271	17.03	17.27	17.07		
100	QPSK	135	0	17.08	17.08	16.98		
100	QPSK	135	69	17.13	17.26	17.27	18.5	0.0
100	QPSK	135	138	17.07	17.26	17.25		
100	QPSK	270	0	16.93	17.17	16.97	18.5	0.0
100	16QAM	1	1	16.86	17.07	16.85	18.5	0.0
100	16QAM	1	137	17.07	17.07	16.98	18.5	0.0
100	16QAM	1	271	17.29	17.23	17.28	18.5	0.0
100	256QAM	1	1	17.02	17.23	17.05	18.5	0.0
Channel								
Frequency (MHz)				5002.03	5189.98	5300.00	Tune-up limit (dBm)	MPR (dB)
Channel				2541	2592.99	2644.98		
90	QPSK	1	1	17.08	17.17	17.21	18.5	0.0
Channel								
Frequency (MHz)				5070.04	5189.98	5299.99	Tune-up limit (dBm)	MPR (dB)
Channel				2538.02	2592.99	2649.99		
80	QPSK	1	1	17.09	17.17	17.04	18.5	0.0
Channel								
Frequency (MHz)				5002.03	5189.98	5310.00	Tune-up limit (dBm)	MPR (dB)
Channel				2531.01	2592.99	2650		
70	QPSK	1	1	16.97	17.15	17.17	18.5	0.0
Channel								
Frequency (MHz)				5002.00	5189.98	5319.98	Tune-up limit (dBm)	MPR (dB)
Channel				2526	2592.99	2659.98		
60	QPSK	1	1	17.05	17.14	17.05	18.5	0.0
Channel								
Frequency (MHz)				5040.04	5189.98	5329.98	Tune-up limit (dBm)	MPR (dB)
Channel				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.08	17.23	17.03	18.5	0.0
Channel								
Frequency (MHz)				5030.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)
Channel				2516.01	2592.99	2670		
40	QPSK	1	1	16.95	17.17	17.19	18.5	0.0
Channel								
Frequency (MHz)				5020.00	5189.98	5349.98	Tune-up limit (dBm)	MPR (dB)
Channel				2511	2592.99	2674.98		
30	QPSK	1	1	17.06	17.07	17.12	18.5	0.0
Channel								
Frequency (MHz)				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)
Channel				2508.02	2592.99	2679.99		
20	QPSK	1	1	17.04	17.18	17.08	18.5	0.0
Channel								
Frequency (MHz)				5007.00	5189.98	5369.98	Tune-up limit (dBm)	MPR (dB)
Channel				2503.01	2592.99	2682.44		
15	QPSK	1	1	17.12	17.20	17.20	18.5	0.0
Channel								
Frequency (MHz)				5002.02	5189.98	5370.00	Tune-up limit (dBm)	MPR (dB)
Channel				2501.01	2592.99	2685		
10	QPSK	1	1	16.95	17.05	17.06	18.5	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				2546.01	2592.99	2640		
100	P1/2 BPSK	1	1	17.30	17.33	17.24		
100	P1/2 BPSK	1	137	17.12	17.11	17.16	18.5	0.0
100	P1/2 BPSK	1	271	17.08	17.26	17.11		
100	P1/2 BPSK	135	0	16.86	17.04	16.84	18.5	0.0
100	P1/2 BPSK	135	69	16.90	17.13	17.07	18.5	0.0
100	P1/2 BPSK	135	138	16.88	17.04	17.09	18.5	0.0
100	P1/2 BPSK	270	0	17.04	17.08	17.03		
100	QPSK	1	1	17.23	17.35	17.17		
100	QPSK	1	137	17.08	17.07	16.99	18.5	0.0
100	QPSK	1	271	17.03	17.27	17.07		
100	QPSK	135	0	17.08	17.08	16.98		
100	QPSK	135	69	17.13	17.26	17.27	18.5	0.0
100	QPSK	135	138	17.07	17.26	17.25		
100	QPSK	270	0	16.93	17.17	16.97	18.5	0.0
100	16QAM	1	1	16.86	17.07	16.85	18.5	0.0
100	16QAM	1	137	17.07	17.07	16.98	18.5	0.0
100	16QAM	1	271	17.29	17.23	17.28	18.5	0.0
100	256QAM	1	1	17.02	17.23	17.05	18.5	0.0
Channel								
Frequency (MHz)				5002.03	5189.98	5300.00	Tune-up limit (dBm)	MPR (dB)
Channel				2541	2592.99	2644.98		
90	QPSK	1	1	17.08	17.17	17.21	18.5	0.0
Channel								
Frequency (MHz)				5070.04	5189.98	5299.99	Tune-up limit (dBm)	MPR (dB)
Channel				2538.02	2592.99	2649.99		
80	QPSK	1	1	17.09	17.17	17.04	18.5	0.0
Channel								
Frequency (MHz)				5002.03	5189.98	5310.00	Tune-up limit (dBm)	MPR (dB)
Channel				2531.01	2592.99	2650		
70	QPSK	1	1	16.97	17.15	17.17	18.5	0.0
Channel								
Frequency (MHz)				5002.00	5189.98	5319.98	Tune-up limit (dBm)	MPR (dB)
Channel				2526	2592.99	2659.98		
60	QPSK	1	1	17.05	17.14	17.05	18.5	0.0
Channel								
Frequency (MHz)				5040.04	5189.98	5329.98	Tune-up limit (dBm)	MPR (dB)
Channel				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.08	17.23	17.03	18.5	0.0
Channel								
Frequency (MHz)				5030.02	5189.98	5340.00	Tune-up limit (dBm)	MPR (dB)
Channel				2516.01	2592.99	2670		
40	QPSK	1	1	16.95	17.17	17.19	18.5	0.0
Channel								
Frequency (MHz)				5020.00	5189.98	5349.98	Tune-up limit (dBm)	MPR (dB)
Channel				2511	2592.99	2674.98		
30	QPSK	1	1	17.06	17.07	17.12	18.5	0.0
Channel								
Frequency (MHz)				5012.04	5189.98	5359.98	Tune-up limit (dBm)	MPR (dB)
Channel				2508.02	2592.99	2679.99		
20	QPSK	1	1	17.04	17.18	17.08	18.5	0.0
Channel								
Frequency (MHz)				5007.00	5189.98	5369.98	Tune-up limit (dBm)	MPR (dB)
Channel				2503.01	2592.99	2682.44		
15	QPSK	1	1	17.12	17.17	17.20	18.5	0.0
Channel								
Frequency (MHz)				5002.02	5189.98	5370.00	Tune-up limit (dBm)	MPR (dB)
Channel				2501.01	2592.99	2685		
10	QPSK	1	1	16.95	17.05	17.06	18.5	0.0



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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)	MPR (dB)
Channel								
	Frequency (MHz)			2546.01	2592.99	2640		
100	QPSK	1	1	17.55	17.60	17.59		
100	QPSK	1	137	17.40	17.46	17.19	18.7	0.0
100	QPSK	1	271	17.55	17.44	17.40		
100	QPSK	137	0	17.55	17.52	17.50		
100	QPSK	137	68	17.43	17.50	17.33	18.7	0.0
100	QPSK	137	138	17.43	17.43	17.40		
100	QPSK	271	0	17.43	17.50	17.30	18.7	0.0
100	16QAM	1	1	17.31	17.64	17.50	18.7	0.0
100	16QAM	1	1	17.47	17.25	17.40	18.7	0.0
100	16QAM	1	1	18.47	18.42	18.30	18.2	2.5
Channel								
	Frequency (MHz)			508200	518998	528996	Tune-up limit (dBm)	MPR
90	QPSK	1	1	2511	2592.99	2644.98	18.7	0.0
	Frequency (MHz)			17.49	17.43	17.43	18.7	0.0
Channel								
	Frequency (MHz)			507204	518998	529998	Tune-up limit (dBm)	MPR
80	QPSK	1	1	2511	2592.99	2644.98	18.7	0.0
	Frequency (MHz)			17.56	17.54	17.47	18.7	0.0
Channel								
	Frequency (MHz)			508202	518998	531000	Tune-up limit (dBm)	MPR
70	QPSK	1	1	2511	2592.99	2655	18.7	0.0
	Frequency (MHz)			17.59	17.44	17.38	18.7	0.0
Channel								
	Frequency (MHz)			505200	518998	531996	Tune-up limit (dBm)	MPR
60	QPSK	1	1	2506	2592.99	2655.88	18.7	0.0
	Frequency (MHz)			17.56	17.60	17.50	18.7	0.0
Channel								
	Frequency (MHz)			304204	318998	329996	Tune-up limit (dBm)	MPR
50	QPSK	1	1	2511	2592.99	2655.96	18.7	0.0
	Frequency (MHz)			17.53	17.48	17.42	18.7	0.0
Channel								
	Frequency (MHz)			505202	518998	534000	Tune-up limit (dBm)	MPR
40	QPSK	1	1	2518.01	2592.99	2670	18.7	0.0
	Frequency (MHz)			17.43	17.52	17.38	18.7	0.0
Channel								
	Frequency (MHz)			502000	518998	535998	Tune-up limit (dBm)	MPR
30	QPSK	1	1	2511	2592.99	2674.98	18.7	0.0
	Frequency (MHz)			17.50	17.45	17.41	18.7	0.0
Channel								
	Frequency (MHz)			2508.02	2592.99	2679.99	18.7	0.0
20	QPSK	1	1	2508	2592.99	2679.99	18.7	0.0
	Frequency (MHz)			500700	518998	529996	Tune-up limit (dBm)	MPR
15	QPSK	1	1	2503.5	2592.99	2682.48	18.7	0.0
	Frequency (MHz)			17.48	17.43	17.41	18.7	0.0
Channel								
	Frequency (MHz)			500202	518998	537000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	2501.01	2592.99	2685	18.7	0.0
	Frequency (MHz)			17.58	17.51	17.44	18.7	0.0

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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)	MPR (dB)
Channel								
	Frequency (MHz)			2546.01	2592.99	2640		
100	QPSK	1	1	17.23	17.33	17.05		
100	QPSK	1	137	16.91	16.88	16.81	18.0	0.0
100	QPSK	1	271	16.85	17.32	17.07		
100	QPSK	137	0	17.01	16.88	16.83		
100	QPSK	137	68	16.99	17.29	17.12	18.0	0.0
100	QPSK	137	138	16.98	17.22	17.11		
100	QPSK	271	0	16.74	17.07	16.98	18.0	0.0
100	16QAM	1	1	16.72	16.91	16.69	18.0	0.0
100	16QAM	1	1	17.25	17.19	17.27	18.0	0.0
100	16QAM	1	1	16.18	16.21	16.22	17.0	1.0
Channel								
	Frequency (MHz)			508200	518998	528996	Tune-up limit (dBm)	MPR
90	QPSK	1	1	2511	2592.99	2644.98	18.0	0.0
	Frequency (MHz)			17.13	17.24	17.02	18.0	0.0
Channel								
	Frequency (MHz)			507204	518998	529998	Tune-up limit (dBm)	MPR
80	QPSK	1	1	2511	2592.99	2644.98	18.0	0.0
	Frequency (MHz)			17.09	17.11	17.05	18.0	0.0
Channel								
	Frequency (MHz)			508202	518998	531000	Tune-up limit (dBm)	MPR
70	QPSK	1	1	2511	2592.99	2655	18.0	0.0
	Frequency (MHz)			17.19	17.30	17.12	18.0	0.0
Channel								
	Frequency (MHz)			505200	518998	531996	Tune-up limit (dBm)	MPR
60	QPSK	1	1	2506	2592.99	2655.88	18.0	0.0
	Frequency (MHz)			17.19	17.16	17.05	18.0	0.0
Channel								
	Frequency (MHz)			304204	318998	329996	Tune-up limit (dBm)	MPR
50	QPSK	1	1	2511	2592.99	2655.96	18.0	0.0
	Frequency (MHz)			17.21	17.15	16.99	18.0	0.0
Channel								
	Frequency (MHz)			505202	518998	534000	Tune-up limit (dBm)	MPR
40	QPSK	1	1	2518.01	2592.99	2670	18.0	0.0
	Frequency (MHz)			17.08	17.16	17.04	18.0	0.0
Channel								
	Frequency (MHz)			502000	518998	535998	Tune-up limit (dBm)	MPR
30	QPSK	1	1	2511	2592.99	2674.98	18.0	0.0
	Frequency (MHz)			17.09	17.16	17.04	18.0	0.0
Channel								
	Frequency (MHz)			2508.02	2592.99	2679.99	18.0	0.0
20	QPSK	1	1	2508	2592.99	2679.99	18.0	0.0
	Frequency (MHz)			500700	518998	529996	Tune-up limit (dBm)	MPR
15	QPSK	1	1	2503.5	2592.99	2682.48	18.0	0.0
	Frequency (MHz)			17.22	17.12	17.02	18.0	0.0
Channel								
	Frequency (MHz)			500202	518998	537000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	2501.01	2592.99	2685	18.0	0.0
	Frequency (MHz)			17.16	17.07	17.03	18.0	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	14.47	14.47	14.30		
40	PV2 BPSK	1	53	14.36	14.29	14.21	15.7	0.0
40	PV2 BPSK	1	104	14.31	14.50	14.35		
40	PV2 BPSK	50	0	14.41	14.39	14.43	15.7	0.0
40	PV2 BPSK	50	26	14.51	14.50	14.48	15.7	0.0
40	PV2 BPSK	50	56	14.36	14.48	14.47	15.7	0.0
40	PV2 BPSK	100	0	14.25	14.41	14.74		
40	QPSK	1	1	14.69	14.68	14.52		
40	QPSK	1	53	14.11	14.23	14.98	15.7	0.0
40	QPSK	1	104	14.33	14.53	14.37		
40	QPSK	50	0	14.35	14.60	14.35		
40	QPSK	50	26	14.52	14.62	14.39	15.7	0.0
40	QPSK	50	56	14.26	14.45	14.28	15.7	0.0
40	QPSK	100	0	14.43	14.45	14.39	15.7	0.0
40	8QAM	1	1	14.23	14.39	14.23	15.7	0.0
40	8QAM	1	1	14.30	14.51	14.47	15.7	0.0
40	256QAM	1	1	14.28	14.50	14.54	15.7	0.0
Channel				3580.01	3624.99	3680		
Frequency (MHz)				3580.01	3624.99	3680		
20	QPSK	1	1	14.52	14.43	14.39	15.7	0.0
Channel				3570.00	3624.99	3684.98		
Frequency (MHz)				3555	3624.99	3684.98		
10	QPSK	1	1	14.52	14.56	14.48	15.7	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	17.41	17.64	17.65		
40	PV2 BPSK	1	53	17.71	17.71	17.52	18.7	0.0
40	PV2 BPSK	1	104	17.73	17.71	17.44		
40	PV2 BPSK	50	0	17.50	17.62	17.54	18.7	0.0
40	PV2 BPSK	50	26	17.56	17.70	17.69	18.7	0.0
40	PV2 BPSK	50	56	17.47	17.55	17.59	18.7	0.0
40	PV2 BPSK	100	0	17.92	17.97	17.93		
40	QPSK	1	1	17.58	17.75	17.56		
40	QPSK	1	53	17.32	17.42	17.45	18.7	0.0
40	QPSK	1	104	17.64	17.63	17.46		
40	QPSK	50	0	17.60	17.81	17.37		
40	QPSK	50	26	17.62	17.72	17.70	18.7	0.0
40	QPSK	50	56	17.50	17.60	17.43	18.7	0.0
40	QPSK	100	0	17.54	17.55	17.45	18.7	0.0
40	16QAM	1	1	17.56	17.68	17.49	18.7	0.0
40	64QAM	1	1	17.43	17.66	17.65	18.7	0.0
40	256QAM	1	1	17.02	16.99	16.91	18.7	0.0
Channel				3580.01	3624.99	3680		
Frequency (MHz)				3580.01	3624.99	3680		
20	QPSK	1	1	17.55	17.68	17.71	18.7	0.0
Channel				3570.00	3624.99	3684.98		
Frequency (MHz)				3555	3624.99	3684.98		
10	QPSK	1	1	17.54	17.64	17.66	18.7	0.0



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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)	MPR (dB)
Channel								
	Frequency (MHz)			3750	3840	3930		
100	P/2 BPSK	1	1	13.92	14.11	14.01		
100	P/2 BPSK	1	137	13.98	13.98	13.91	15.2	0.0
100	P/2 BPSK	1	271	13.93	13.77	13.84		
100	P/2 BPSK	156	0	13.97	14.03	13.94	15.2	0.0
100	P/2 BPSK	136	69	13.92	14.08	14.01		
100	P/2 BPSK	136	138	13.75	13.92	13.81	15.2	0.0
100	P/2 BPSK	270	0	14.02	13.76	13.84		
100	QPSK	1	1	14.13	14.30	14.12		
100	QPSK	1	137	13.90	14.05	13.99	15.2	0.0
100	QPSK	1	271	13.81	13.82	13.77		
100	QPSK	136	0	13.90	13.99	13.84		
100	QPSK	136	69	13.92	14.29	13.83	15.2	0.0
100	QPSK	136	138	13.76	13.77	13.85		
100	QPSK	270	0	13.99	14.00	13.84	15.2	0.0
100	16QAM	1	1	13.94	14.08	13.98		
100	16QAM	1	137	13.91	14.05	13.98	15.2	0.0
100	16QAM	1	271	13.70	13.98	13.74		
100	256QAM	1	1	13.88	13.83	13.74	15.2	0.0
Channel								
	Frequency (MHz)			65000	65000	65000	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3840	3934.98	15.2	0.0
Channel								
	Frequency (MHz)			66200	66200	66200	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3840	3939.99	15.2	0.0
Channel								
	Frequency (MHz)			67400	67400	67400	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3753	3840	3945	15.2	0.0
Channel								
	Frequency (MHz)			68600	68600	68600	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3757.02	3840	3949.98	15.2	0.0
Channel								
	Frequency (MHz)			69800	69800	69800	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3761.01	3840	3954.99	15.2	0.0
Channel								
	Frequency (MHz)			71000	71000	71000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3765	3840	3959	15.2	0.0
Channel								
	Frequency (MHz)			72200	72200	72200	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3769.02	3840	3963.98	15.2	0.0
Channel								
	Frequency (MHz)			73400	73400	73400	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3773	3840	3968	15.2	0.0
Channel								
	Frequency (MHz)			74600	74600	74600	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3777.02	3840	3972.98	15.2	0.0
Channel								
	Frequency (MHz)			75800	75800	75800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3781	3840	3977	15.2	0.0

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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)	MPR (dB)
Channel								
	Frequency (MHz)			3750	3840	3930		
100	P/2 BPSK	1	1	13.92	14.11	14.01		
100	P/2 BPSK	1	137	13.98	13.98	13.91	15.2	0.0
100	P/2 BPSK	1	271	13.93	13.77	13.84		
100	P/2 BPSK	156	0	13.97	14.03	13.94	15.2	0.0
100	P/2 BPSK	136	69	13.92	14.08	14.01		
100	P/2 BPSK	136	138	13.75	13.92	13.81	15.2	0.0
100	P/2 BPSK	270	0	14.02	13.76	13.84		
100	QPSK	1	1	14.13	14.30	14.12		
100	QPSK	1	137	13.90	14.05	13.99	15.2	0.0
100	QPSK	1	271	13.81	13.82	13.77		
100	QPSK	136	0	13.90	13.99	13.84		
100	QPSK	136	69	13.92	14.24	13.83	15.2	0.0
100	QPSK	136	138	13.76	13.77	13.85		
100	QPSK	270	0	13.99	14.00	13.84	15.2	0.0
100	16QAM	1	1	13.94	14.08	13.98		
100	16QAM	1	137	13.91	14.05	13.98	15.2	0.0
100	16QAM	1	271	13.70	13.98	13.74		
100	256QAM	1	1	13.88	13.83	13.74	15.2	0.0
Channel								
	Frequency (MHz)			65000	65000	65000	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3840	3934.98	15.2	0.0
Channel								
	Frequency (MHz)			66200	66200	66200	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3840	3939.99	15.2	0.0
Channel								
	Frequency (MHz)			67400	67400	67400	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3753	3840	3945	15.2	0.0
Channel								
	Frequency (MHz)			68600	68600	68600	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3757.02	3840	3949.98	15.2	0.0
Channel								
	Frequency (MHz)			69800	69800	69800	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3761.01	3840	3954.99	15.2	0.0
Channel								
	Frequency (MHz)			71000	71000	71000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3765	3840	3959	15.2	0.0
Channel								
	Frequency (MHz)			72200	72200	72200	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3769.02	3840	3963.98	15.2	0.0
Channel								
	Frequency (MHz)			73400	73400	73400	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3773	3840	3968	15.2	0.0
Channel								
	Frequency (MHz)			74600	74600	74600	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3777.02	3840	3972.98	15.2	0.0
Channel								
	Frequency (MHz)			75800	75800	75800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3781	3840	3977	15.2	0.0



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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)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P/2 BPSK	1	1	14.11	14.04	13.84	15.2	0.0	
100	P/2 BPSK	1	137	14.04	13.97	13.84	15.2	0.0	
100	P/2 BPSK	1	271	13.87	13.80	13.69	15.2	0.0	
100	P/2 BPSK	135	0	13.82	13.75	13.64	15.2	0.0	
100	P/2 BPSK	69	69	14.10	14.03	13.92	15.2	0.0	
100	P/2 BPSK	135	138	13.87	13.80	13.69	15.2	0.0	
100	P/2 BPSK	270	0	13.82	13.75	13.64	15.2	0.0	
100	QPSK	1	1	14.21	14.14	14.03	15.2	0.0	
100	QPSK	1	137	14.14	14.07	13.96	15.2	0.0	
100	QPSK	1	271	13.93	13.86	13.75	15.2	0.0	
100	QPSK	135	0	13.97	13.90	13.79	15.2	0.0	
100	QPSK	69	69	14.16	14.09	13.98	15.2	0.0	
100	QPSK	135	138	13.80	13.73	13.62	15.2	0.0	
100	QPSK	270	0	13.80	13.73	13.62	15.2	0.0	
100	16QAM	1	1	13.98	13.91	13.80	15.2	0.0	
100	16QAM	1	137	13.89	13.82	13.71	15.2	0.0	
100	16QAM	1	271	13.89	13.82	13.71	15.2	0.0	
100	256QAM	1	1	13.78	13.71	13.60	15.2	0.0	
Channel				633000	633332	633668	Tune-up limit	MPR	
Frequency (MHz)				3495			3499.98	3504.99	
90	QPSK	1	1	14.01	14.05	13.84	15.2	0.0	
Channel				633068	633332	633600	Tune-up limit	MPR	
Frequency (MHz)				3499.02			3499.98	3510	
80	QPSK	1	1	14.10	14.02	14.01	15.2	0.0	
Channel				633035	633332	633532	Tune-up limit	MPR	
Frequency (MHz)				3495.01			3499.98	3514.98	
70	QPSK	1	1	13.99	14.03	13.89	15.2	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3490			3499.98	3518.99	
60	QPSK	1	1	14.12	14.05	14.03	15.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02			3499.98	3525	
50	QPSK	1	1	14.02	14.03	13.87	15.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01			3499.98	3520.98	
40	QPSK	1	1	14.11	14.13	13.94	15.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465			3499.98	3524.99	
30	QPSK	1	1	14.08	14.12	13.89	15.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02			3499.98	3520	
20	QPSK	1	1	14.08	14.16	13.99	15.2	0.0	
Channel				630000	633332	636166	Tune-up limit	MPR	
Frequency (MHz)				3455.5			3499.98	3524.45	
15	QPSK	1	1	14.18	14.10	13.92	15.2	0.0	
Channel				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3450.01			3499.98	3524.98	
10	QPSK	1	1	14.08	14.08	13.89	15.2	0.0	

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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)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P/2 BPSK	1	1	14.11	14.04	13.84	15.2	0.0	
100	P/2 BPSK	1	137	14.04	13.97	13.84	15.2	0.0	
100	P/2 BPSK	1	271	13.87	13.80	13.69	15.2	0.0	
100	P/2 BPSK	135	0	13.82	13.75	13.64	15.2	0.0	
100	P/2 BPSK	69	69	14.10	14.03	13.92	15.2	0.0	
100	P/2 BPSK	135	138	13.87	13.80	13.69	15.2	0.0	
100	P/2 BPSK	270	0	13.82	13.75	13.64	15.2	0.0	
100	QPSK	1	1	14.21	14.14	14.03	15.2	0.0	
100	QPSK	1	137	14.14	14.07	13.96	15.2	0.0	
100	QPSK	1	271	13.93	13.86	13.75	15.2	0.0	
100	QPSK	135	0	13.97	13.90	13.79	15.2	0.0	
100	QPSK	69	69	14.16	14.09	13.98	15.2	0.0	
100	QPSK	135	138	13.80	13.73	13.62	15.2	0.0	
100	QPSK	270	0	13.80	13.73	13.62	15.2	0.0	
100	16QAM	1	1	13.98	13.91	13.80	15.2	0.0	
100	16QAM	1	137	13.89	13.82	13.71	15.2	0.0	
100	16QAM	1	271	13.89	13.82	13.71	15.2	0.0	
100	256QAM	1	1	13.78	13.71	13.60	15.2	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495			3499.98	3504.99	
90	QPSK	1	1	14.01	14.05	13.84	15.2	0.0	
Channel				633068	633332	633600	Tune-up limit	MPR	
Frequency (MHz)				3499.02			3499.98	3510	
80	QPSK	1	1	14.10	14.02	14.01	15.2	0.0	
Channel				633035	633332	633532	Tune-up limit	MPR	
Frequency (MHz)				3495.01			3499.98	3514.98	
70	QPSK	1	1	13.99	14.03	13.89	15.2	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3490			3499.98	3518.99	
60	QPSK	1	1	14.12	14.05	14.03	15.2	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02			3499.98	3525	
50	QPSK	1	1	14.02	14.03	13.87	15.2	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01			3499.98	3520.98	
40	QPSK	1	1	14.11	14.13	13.94	15.2	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465			3499.98	3524.99	
30	QPSK	1	1	14.08	14.12	13.89	15.2	0.0	
Channel				630668	633332	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02			3499.98	3520	
20	QPSK	1	1	14.08	14.16	13.99	15.2	0.0	
Channel				630000	633332	636166	Tune-up limit	MPR	
Frequency (MHz)				3455.5			3499.98	3524.45	
15	QPSK	1	1	14.18	14.10	13.92	15.2	0.0	
Channel				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3450.01			3499.98	3524.98	
10	QPSK	1	1	14.08	14.08	13.89	15.2	0.0	



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	13.97	14.11	14.22		
100	QPSK	1	137	13.85	13.95	13.96	15.2	0.0
100	QPSK	1	271	13.67	13.76	13.69		
100	QPSK	137	0	13.75	13.84	13.65		
100	QPSK	137	66	14.00	14.20	14.15	15.2	0.0
100	QPSK	137	138	13.62	13.77	13.84		
100	QPSK	271	0	13.95	13.95	13.94	15.2	0.0
100	16QAM	1	1	13.82	13.98	13.87	15.2	0.0
100	16QAM	1	1	13.94	13.87	13.96	15.2	0.0
100	16QAM	1	1	13.55	13.66	13.72	15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649688	650000	662332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	648334	650000	662066	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	649000	650000	663000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	648688	650000	663332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	648334	650000	663666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	648000	650000	664000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	647688	650000	664332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	664666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	665000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	646688	650000	665332	Tune-up limit (dBm)	MPR

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	639000	633332	639996		
100	QPSK	1	137	6386	6399	6394	15.2	0.0
100	QPSK	1	271	6389	6399	6389		
100	QPSK	137	0	6395	6399	6395		
100	QPSK	137	66	6399	6400	6399	15.2	0.0
100	QPSK	137	138	6397	6400	6397		
100	QPSK	271	0	6399	6399	6399	15.2	0.0
100	16QAM	1	1	6394	6400	6394	15.2	0.0
100	16QAM	1	1	6399	6399	6399	15.2	0.0
100	16QAM	1	1	6391	6391	6391	15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	639000	633332	639996	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	638688	633332	634000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	638334	633332	634332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	637999	633332	634666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	637666	633332	635000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	637334	633332	635332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	637000	633332	635666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	636666	633332	636000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	636334	633332	636332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	636000	633332	636666	Tune-up limit (dBm)	MPR



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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)	MPR (dB)
Channel								
	Frequency (MHz)			3750	3840	3930		
100	P1/2 BPSK	1	1	15.74	15.81	15.84		
100	P1/2 BPSK	1	137	15.78	15.65	15.75	17.2	0.0
100	P1/2 BPSK	1	271	15.73	15.73	15.87		
100	P1/2 BPSK	135	0	15.66	15.88	15.79	17.2	0.0
100	P1/2 BPSK	135	69	15.82	15.77	15.82	17.2	0.0
100	P1/2 BPSK	135	138	15.75	15.56	15.69	17.2	0.0
100	P1/2 BPSK	270	0	15.66	15.86	15.72		
100	QPSK	1	1	15.82	16.00	15.75		
100	QPSK	1	137	15.84	15.85	15.88	17.2	0.0
100	QPSK	1	271	15.78	15.87	15.79		
100	QPSK	135	0	15.66	15.79	15.68		
100	QPSK	135	69	15.82	15.85	15.72	17.2	0.0
100	QPSK	135	138	15.77	15.56	15.72		
100	QPSK	270	0	15.66	15.81	15.85		
100	QPSK	270	0	15.69	15.79	15.77	17.2	0.0
100	16QAM	1	1	15.76	15.73	15.61	17.2	0.0
100	16QAM	1	1	15.87	15.71	15.76	17.2	0.0
100	256QAM	1	1	15.69	15.70	15.77	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3840	3934.98	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3840	3939.99	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3735	3840	3945	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3840	3949.98	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3840	3954.99	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3720.00	3840	3959.99	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.00	3840	3964.99	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.00	3840	3969.99	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705.00	3840	3974.98	17.2	0.0
Channel								
	Frequency (MHz)			6520.00	6520.00	6520.00	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3700.00	3840	3979.98	17.2	0.0

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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)	MPR (dB)
Channel								
	Frequency (MHz)			3750	3840	3930		
100	P1/2 BPSK	1	1	15.74	15.81	15.84		
100	P1/2 BPSK	1	137	15.78	15.65	15.75	17.2	0.0
100	P1/2 BPSK	1	271	15.73	15.73	15.87		
100	P1/2 BPSK	135	0	15.66	15.88	15.79	17.2	0.0
100	P1/2 BPSK	135	69	15.82	15.77	15.82	17.2	0.0
100	P1/2 BPSK	135	138	15.75	15.56	15.69	17.2	0.0
100	P1/2 BPSK	270	0	15.66	15.86	15.72		
100	QPSK	1	1	15.82	16.00	15.75		
100	QPSK	1	137	15.84	15.85	15.88	17.2	0.0
100	QPSK	1	271	15.78	15.87	15.79		
100	QPSK	135	0	15.66	15.79	15.68		
100	QPSK	135	69	15.82	15.85	15.72	17.2	0.0
100	QPSK	135	138	15.77	15.56	15.72		
100	QPSK	270	0	15.66	15.81	15.85		
100	QPSK	270	0	15.69	15.79	15.77	17.2	0.0
100	16QAM	1	1	15.76	15.73	15.61	17.2	0.0
100	16QAM	1	1	15.87	15.71	15.76	17.2	0.0
100	256QAM	1	1	15.69	15.70	15.77	17.2	0.0
Channel								
	Frequency (MHz)			3745.02	3840	3934.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3840	3934.98	17.2	0.0
Channel								
	Frequency (MHz)			3749.01	3840	3939.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3749.01	3840	3939.99	17.2	0.0
Channel								
	Frequency (MHz)			3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3735	3840	3945	17.2	0.0
Channel								
	Frequency (MHz)			3730.02	3840	3949.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3840	3949.98	17.2	0.0
Channel								
	Frequency (MHz)			3725.01	3840	3954.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3840	3954.99	17.2	0.0
Channel								
	Frequency (MHz)			3720.00	3840	3959.99	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3720.00	3840	3959.99	17.2	0.0
Channel								
	Frequency (MHz)			3715.00	3840	3964.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.00	3840	3964.99	17.2	0.0
Channel								
	Frequency (MHz)			3710.00	3840	3969.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.00	3840	3969.99	17.2	0.0
Channel								
	Frequency (MHz)			3705.00	3840	3974.98	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705.00	3840	3974.98	17.2	0.0
Channel								
	Frequency (MHz)			3700.00	3840	3979.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3700.00	3840	3979.98	17.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P1/2 BPSK	1	1	15.50	15.47	15.39	17.2	0.0
100	P1/2 BPSK	1	137	15.50	15.47	15.39	17.2	0.0
100	P1/2 BPSK	1	271	15.51	15.51	15.51	17.2	0.0
100	P1/2 BPSK	135	0	15.49	15.49	15.49	17.2	0.0
100	P1/2 BPSK	135	69	15.40	15.40	15.40	17.2	0.0
100	P1/2 BPSK	135	138	15.50	15.50	15.50	17.2	0.0
100	P1/2 BPSK	270	0	15.46	15.46	15.46	17.2	0.0
100	QPSK	1	1	15.70	15.70	15.70	17.2	0.0
100	QPSK	1	137	15.68	15.68	15.68	17.2	0.0
100	QPSK	1	271	15.56	15.56	15.56	17.2	0.0
100	QPSK	135	0	15.50	15.50	15.50	17.2	0.0
100	QPSK	135	69	15.40	15.40	15.40	17.2	0.0
100	QPSK	135	138	15.50	15.50	15.50	17.2	0.0
100	QPSK	270	0	15.44	15.44	15.44	17.2	0.0
100	QPSK	270	0	15.57	15.57	15.57	17.2	0.0
100	16QAM	1	1	15.30	15.30	15.30	17.2	0.0
100	16QAM	1	1	15.30	15.30	15.30	17.2	0.0
100	256QAM	1	1	15.41	15.41	15.41	17.2	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	15.47	15.51	15.59	17.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	15.34	15.42	15.57	17.2	0.0
Channel				632336	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	15.54	15.51	15.43	17.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	15.58	15.53	15.50	17.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3472.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	15.58	15.43	15.41	17.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3523.98	(dBm)	(dB)
40	QPSK	1	1	15.59	15.40	15.43	17.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	15.54	15.36	15.54	17.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	15.53	15.43	15.48	17.2	0.0
Channel				630300	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.45	(dBm)	(dB)
15	QPSK	1	1	15.56	15.46	15.40	17.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	15.57	15.52	15.51	17.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P1/2 BPSK	1	1	15.50	15.47	15.39	17.2	0.0
100	P1/2 BPSK	1	137	15.50	15.47	15.39	17.2	0.0
100	P1/2 BPSK	1	271	15.51	15.51	15.51	17.2	0.0
100	P1/2 BPSK	135	0	15.49	15.49	15.49	17.2	0.0
100	P1/2 BPSK	135	69	15.40	15.40	15.40	17.2	0.0
100	P1/2 BPSK	135	138	15.50	15.50	15.50	17.2	0.0
100	P1/2 BPSK	270	0	15.46	15.46	15.46	17.2	0.0
100	QPSK	1	1	15.70	15.70	15.70	17.2	0.0
100	QPSK	1	137	15.68	15.68	15.68	17.2	0.0
100	QPSK	1	271	15.56	15.56	15.56	17.2	0.0
100	QPSK	135	0	15.50	15.50	15.50	17.2	0.0
100	QPSK	135	69	15.40	15.40	15.40	17.2	0.0
100	QPSK	135	138	15.50	15.50	15.50	17.2	0.0
100	QPSK	270	0	15.44	15.44	15.44	17.2	0.0
100	QPSK	270	0	15.57	15.57	15.57	17.2	0.0
100	16QAM	1	1	15.30	15.30	15.30	17.2	0.0
100	16QAM	1	1	15.30	15.30	15.30	17.2	0.0
100	256QAM	1	1	15.41	15.41	15.41	17.2	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	15.47	15.51	15.59	17.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	15.34	15.42	15.57	17.2	0.0
Channel				632336	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	15.54	15.51	15.43	17.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	15.58	15.53	15.50	17.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3472.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	15.58	15.43	15.41	17.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3523.98	(dBm)	(dB)
40	QPSK	1	1	15.59	15.40	15.43	17.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	15.54	15.36	15.54	17.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	15.53	15.43	15.48	17.2	0.0
Channel				630300	633332	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3499.98	3542.45	(dBm)	(dB)
15	QPSK	1	1	15.56	15.46	15.40	17.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	15.57	15.52	15.51	17.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	15.77	15.83	15.56		
100	QPSK	1	137	15.66	15.73	15.57	17.2	0.0
100	QPSK	1	271	15.60	15.74	15.59		
100	QPSK	137	0	15.42	15.62	15.56		
100	QPSK	137	65	15.77	15.58	15.72	17.2	0.0
100	QPSK	137	138	15.66	15.79	15.64		
100	QPSK	271	0	15.53	15.65	15.65	17.2	0.0
100	16QAM	1	1	15.74	15.64	15.58	17.2	0.0
100	16QAM	1	1	15.57	15.58	15.76	17.2	0.0
100	16QAM	1	1	15.66	15.59	15.60	17.2	0.0
Channel				650000	650000	662032	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.99	(dB)	
Channel				15.83	15.73	15.52	17.2	0.0
Frequency (MHz)				648334	650000	662066	Tune-up limit	MPR
Channel				3745.01	3840	3934.99	(dB)	
80	QPSK	1	1	15.68	15.83	15.64	17.2	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3745	3840	3945	(dB)	
70	QPSK	1	1	15.69	15.67	15.56	17.2	0.0
Channel				648688	650000	663332	Tune-up limit	MPR
Frequency (MHz)				3739.02	3840	3949.98	(dB)	
60	QPSK	1	1	15.69	15.82	15.64	17.2	0.0
Channel				648334	650000	663996	Tune-up limit	MPR
Frequency (MHz)				3729.01	3840	3954.98	(dB)	
50	QPSK	1	1	15.83	15.73	15.85	17.2	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dB)	
40	QPSK	1	1	15.74	15.70	15.66	17.2	0.0
Channel				647998	650000	664332	Tune-up limit	MPR
Frequency (MHz)				3718.02	3840.00	3964.98	(dB)	
30	QPSK	1	1	15.73	15.82	15.50	17.2	0.0
Channel				3718.01	3840	3969.99	Tune-up limit	(dB)
Frequency (MHz)				647168	650000	664652	Tune-up limit	MPR
Channel				3707.52	3840	3972.48	(dB)	
15	QPSK	1	1	15.77	15.72	15.61	17.2	0.0
Channel				647000	650000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dB)	
10	QPSK	1	1	15.77	15.65	15.59	17.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				639000	633332	639998		
100	QPSK	1	1	15.63	15.63	15.63		
100	QPSK	1	137	15.63	15.63	15.63	17.2	0.0
100	QPSK	1	271	15.63	15.63	15.63		
100	QPSK	137	0	15.45	15.45	15.45		
100	QPSK	137	65	15.49	15.49	15.49	17.2	0.0
100	QPSK	137	138	15.42	15.42	15.42		
100	QPSK	271	0	15.38	15.38	15.38	17.2	0.0
100	16QAM	1	1	15.23	15.23	15.23	17.2	0.0
100	16QAM	1	1	15.24	15.24	15.24	17.2	0.0
100	16QAM	1	1	15.27	15.27	15.27	17.2	0.0
Channel				639000	633332	639998	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3504.99	(dB)	
Channel				15.57	15.49	15.53	17.2	0.0
Frequency (MHz)				630968	633332	634000	Tune-up limit	MPR
Channel				3465.00	3499.98	3510	(dB)	
80	QPSK	1	1	15.62	15.42	15.48	17.2	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3465.01	3499.98	3514.98	(dB)	
70	QPSK	1	1	15.51	15.62	15.56	17.2	0.0
Channel				630000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3519.99	(dB)	
60	QPSK	1	1	15.46	15.51	15.73	17.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dB)	
50	QPSK	1	1	15.43	15.41	15.69	17.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)	
40	QPSK	1	1	15.50	15.52	15.72	17.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dB)	
30	QPSK	1	1	15.62	15.51	15.60	17.2	0.0
Channel				630332	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dB)	
20	QPSK	1	1	15.48	15.41	15.42	17.2	0.0
Channel				630000	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3475.5	3499.98	3542.48	(dB)	
15	QPSK	1	1	15.43	15.48	15.60	17.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3465.01	3499.98	3544.98	(dB)	
10	QPSK	1	1	15.58	15.52	15.47	17.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	13.87	13.87	13.87		
100	P1/2 BPSK	1	137	13.84	13.84	13.84	15.2	0.0
100	P1/2 BPSK	1	271	13.89	13.89	13.89		
100	P1/2 BPSK	155	0	13.88	13.88	13.88	15.2	0.0
100	P1/2 BPSK	135	69	14.00	14.00	14.00		
100	P1/2 BPSK	135	138	13.75	13.75	13.75	15.2	0.0
100	P1/2 BPSK	270	0	13.84	13.84	13.84		
100	QPSK	1	1	14.19	14.19	14.19		
100	QPSK	1	137	13.88	13.88	13.88	15.2	0.0
100	QPSK	1	271	13.66	13.66	13.66		
100	QPSK	135	0	13.89	13.89	13.89		
100	QPSK	135	69	13.98	13.98	13.98	15.2	0.0
100	QPSK	135	138	13.68	13.68	13.68		
100	QPSK	270	0	14.07	14.07	14.07		
100	16QAM	1	1	13.89	13.89	13.89	15.2	0.0
100	16QAM	1	1	13.78	13.78	13.78	15.2	0.0
100	256QAM	1	1	13.83	13.83	13.83	15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.02	13.04	13.04	15.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65132	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3769.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	64900	65000	65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3750	3750	3750	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3740.00	3750	3760.00	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	13.87	13.87	13.87		
100	P1/2 BPSK	1	137	13.84	13.84	13.84	15.2	0.0
100	P1/2 BPSK	1	271	13.89	13.89	13.89		
100	P1/2 BPSK	155	0	13.88	13.88	13.88	15.2	0.0
100	P1/2 BPSK	135	69	14.00	14.00	14.00		
100	P1/2 BPSK	135	138	13.75	13.75	13.75	15.2	0.0
100	P1/2 BPSK	270	0	13.84	13.84	13.84		
100	QPSK	1	1	14.19	14.19	14.19		
100	QPSK	1	137	13.88	13.88	13.88	15.2	0.0
100	QPSK	1	271	13.66	13.66	13.66		
100	QPSK	135	0	13.89	13.89	13.89		
100	QPSK	135	69	13.98	13.98	13.98	15.2	0.0
100	QPSK	135	138	13.68	13.68	13.68		
100	QPSK	270	0	14.07	14.07	14.07		
100	16QAM	1	1	13.89	13.89	13.89	15.2	0.0
100	16QAM	1	1	13.78	13.78	13.78	15.2	0.0
100	256QAM	1	1	13.83	13.83	13.83	15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.02	13.04	13.04	15.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	64968	65000	65132	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3769.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.01	3750	3774.99	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	64900	65000	65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3750	3750	3750	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	64768	65000	65232	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3745.02	3750	3754.98	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	64734	65000	65266	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3740.00	3750	3760.00	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)



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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P/2 BPSK	1	1	14.01	13.91	13.72	15.2	0.0
100	P/2 BPSK	1	137	13.85	13.83	13.81	15.2	0.0
100	P/2 BPSK	1	271	14.08	13.88	13.71	15.2	0.0
100	P/2 BPSK	135	0	13.71	13.88	13.81	15.2	0.0
100	P/2 BPSK	135	138	13.88	13.81	13.71	15.2	0.0
100	P/2 BPSK	270	0	13.71	13.81	13.88	15.2	0.0
100	QPSK	1	1	13.84	13.72	13.84	15.2	0.0
100	QPSK	1	137	13.84	13.72	13.84	15.2	0.0
100	QPSK	1	271	13.84	13.72	13.84	15.2	0.0
100	QPSK	135	0	13.84	13.72	13.84	15.2	0.0
100	QPSK	135	138	13.84	13.72	13.84	15.2	0.0
100	QPSK	270	0	13.84	13.72	13.84	15.2	0.0
100	16QAM	1	1	13.85	13.81	13.88	15.2	0.0
100	16QAM	1	137	13.85	13.81	13.88	15.2	0.0
100	16QAM	1	271	13.85	13.81	13.88	15.2	0.0
100	16QAM	135	0	13.85	13.81	13.88	15.2	0.0
100	16QAM	135	138	13.85	13.81	13.88	15.2	0.0
100	16QAM	270	0	13.85	13.81	13.88	15.2	0.0
100	256QAM	1	1	13.88	13.88	13.88	15.2	0.0
Channel				633000	633332	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.88	13.81	13.72	15.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	13.17	13.71	13.72	15.2	0.0
Channel				634234	633332	634132	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	14.01	13.72	13.70	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3518.99	(dBm)	(dB)
60	QPSK	1	1	13.19	13.75	13.81	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3472.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	13.15	13.72	13.72	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3520.98	(dBm)	(dB)
40	QPSK	1	1	13.19	13.72	13.72	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.94	13.83	13.71	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.95	13.85	13.85	15.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.95	13.81	13.68	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P/2 BPSK	1	1	14.01	13.91	13.72	15.2	0.0
100	P/2 BPSK	1	137	13.85	13.83	13.81	15.2	0.0
100	P/2 BPSK	1	271	14.08	13.88	13.71	15.2	0.0
100	P/2 BPSK	135	0	13.71	13.88	13.81	15.2	0.0
100	P/2 BPSK	135	138	13.88	13.81	13.71	15.2	0.0
100	P/2 BPSK	270	0	13.71	13.81	13.88	15.2	0.0
100	QPSK	1	1	13.84	13.72	13.84	15.2	0.0
100	QPSK	1	137	13.84	13.72	13.84	15.2	0.0
100	QPSK	1	271	13.84	13.72	13.84	15.2	0.0
100	QPSK	135	0	13.84	13.72	13.84	15.2	0.0
100	QPSK	135	138	13.84	13.72	13.84	15.2	0.0
100	QPSK	270	0	13.84	13.72	13.84	15.2	0.0
100	16QAM	1	1	13.85	13.81	13.88	15.2	0.0
100	16QAM	1	137	13.85	13.81	13.88	15.2	0.0
100	16QAM	1	271	13.85	13.81	13.88	15.2	0.0
100	16QAM	135	0	13.85	13.81	13.88	15.2	0.0
100	16QAM	135	138	13.85	13.81	13.88	15.2	0.0
100	16QAM	270	0	13.85	13.81	13.88	15.2	0.0
100	256QAM	1	1	13.88	13.88	13.88	15.2	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	13.88	13.81	13.72	15.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	13.17	13.71	13.72	15.2	0.0
Channel				634234	633332	634132	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	14.01	13.72	13.70	15.2	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3518.99	(dBm)	(dB)
60	QPSK	1	1	13.19	13.75	13.81	15.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3472.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	13.15	13.72	13.72	15.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3520.98	(dBm)	(dB)
40	QPSK	1	1	13.19	13.72	13.72	15.2	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	13.94	13.83	13.71	15.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	13.95	13.85	13.85	15.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	13.95	13.81	13.68	15.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	3750				
100	QPSK	1	137	13.85			15.2	0.0
100	QPSK	1	271	13.86				
100	QPSK	137	0	13.89				
100	QPSK	137	66	13.95			15.2	0.0
100	QPSK	137	138	13.94				
100	QPSK	271	0	13.95			15.2	0.0
100	16QAM	1	1	13.75			15.2	0.0
100	16QAM	1	1	13.85			15.2	0.0
100	16QAM	1	1	13.73			15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	650000	650000	650332	Tune-up limit (dBm)	MPR
				3747.02	3750	3754.98	(dBm)	(dB)
				13.75	14.02	13.83	15.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	650000	650000	650996	Tune-up limit (dBm)	MPR
				3748.03	3750	3755.99	(dBm)	(dB)
				13.88	14.14	13.95	15.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	650000	650000	651000	Tune-up limit (dBm)	MPR
				3749	3750	3750	(dBm)	(dB)
				13.79	14.01	13.89	15.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	650000	650000	651332	Tune-up limit (dBm)	MPR
				3749.02	3750	3753.98	(dBm)	(dB)
				13.90	14.10	13.96	15.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	650000	650000	651696	Tune-up limit (dBm)	MPR
				3749.01	3750	3757.96	(dBm)	(dB)
				13.89	14.16	13.91	15.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	650000	650000	652000	Tune-up limit (dBm)	MPR
				3750	3750	3750	(dBm)	(dB)
				13.90	14.07	13.91	15.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	650000	650000	652332	Tune-up limit (dBm)	MPR
				3716.02	3750.00	3764.98	(dBm)	(dB)
				13.88	14.10	14.03	15.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	650000	650000	652996	Tune-up limit (dBm)	MPR
				3719.01	3750	3769.99	(dBm)	(dB)
				13.76	14.00	14.00	15.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	650000	650000	653000	Tune-up limit (dBm)	MPR
				3705	3750	3795	(dBm)	(dB)
				13.90	14.17	14.05	15.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	4399.88				
100	QPSK	1	137	14.03			15.2	0.0
100	QPSK	1	271	13.87				
100	QPSK	137	0	13.84				
100	QPSK	137	66	13.93			15.2	0.0
100	QPSK	137	138	13.84				
100	QPSK	271	0	13.87			15.2	0.0
100	16QAM	1	1	13.80			15.2	0.0
100	16QAM	1	1	13.73			15.2	0.0
100	16QAM	1	1	13.73			15.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633332	633996	Tune-up limit (dBm)	MPR
				3465	3469.98	3474.99	(dBm)	(dB)
				13.96	13.88	14.00	15.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	633000	633332	634000	Tune-up limit (dBm)	MPR
				3469.02	3469.98	3470	(dBm)	(dB)
				13.94	13.88	13.94	15.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	633000	633332	634332	Tune-up limit (dBm)	MPR
				3465.01	3469.98	3474.98	(dBm)	(dB)
				13.94	13.88	13.94	15.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	633000	633332	634666	Tune-up limit (dBm)	MPR
				3469	3469.98	3470.99	(dBm)	(dB)
				13.86	13.88	14.02	15.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	633000	633332	635000	Tune-up limit (dBm)	MPR
				3470.02	3469.98	3470	(dBm)	(dB)
				13.94	13.84	14.03	15.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	633000	633332	635332	Tune-up limit (dBm)	MPR
				3470.01	3469.98	3469.98	(dBm)	(dB)
				13.88	13.98	14.09	15.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	633000	633332	635666	Tune-up limit (dBm)	MPR
				3465	3469.98	3474.99	(dBm)	(dB)
				13.86	13.81	14.13	15.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	633000	633332	635996	Tune-up limit (dBm)	MPR
				3469.02	3469.98	3540	(dBm)	(dB)
				13.86	13.82	14.13	15.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	633000	633332	636332	Tune-up limit (dBm)	MPR
				3465.01	3469.98	3544.98	(dBm)	(dB)
				13.87	13.88	14.12	15.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	15.68				
100	PV2 BPSK	1	137	15.71			17.2	0.0
100	PV2 BPSK	1	271	15.62				
100	PV2 BPSK	135	0	15.68			17.2	0.0
100	PV2 BPSK	135	69	15.57				
100	PV2 BPSK	135	138	15.58			17.2	0.0
100	PV2 BPSK	270	0	15.85				
100	QPSK	1	1	15.68				
100	QPSK	1	137	15.67			17.2	0.0
100	QPSK	1	271	15.68				
100	QPSK	135	0	15.62				
100	QPSK	135	69	15.68			17.2	0.0
100	QPSK	135	138	15.60				
100	QPSK	270	0	15.59			17.2	0.0
100	16QAM	1	1	15.68			17.2	0.0
100	16QAM	1	1	15.61			17.2	0.0
100	256QAM	1	1	15.31			17.2	0.0
Channel				64968	65000	65032	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	15.55	15.58	15.66	17.2	0.0
Channel				64534	65000	65066	Tune-up limit	MPR
Frequency (MHz)				3749.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	15.53	15.60	15.82	17.2	0.0
Channel				64000	65000	65000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.54	15.73	15.77	17.2	0.0
Channel				64968	65000	65132	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	15.42	15.64	15.63	17.2	0.0
Channel				64334	65000	65166	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	15.07	15.73	15.71	17.2	0.0
Channel				64000	65000	65000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.56	15.56	15.72	17.2	0.0
Channel				64768	65000	65232	Tune-up limit	MPR
Frequency (MHz)				3715.09	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	15.55	15.60	15.68	17.2	0.0
Channel				64734	65000	65266	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	15.84	15.58	15.68	17.2	0.0
Channel				64700	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.65	15.65	15.65	17.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	PV2 BPSK	1	1	15.68				
100	PV2 BPSK	1	137	15.71			17.2	0.0
100	PV2 BPSK	1	271	15.62				
100	PV2 BPSK	135	0	15.68			17.2	0.0
100	PV2 BPSK	135	69	15.57				
100	PV2 BPSK	135	138	15.58			17.2	0.0
100	PV2 BPSK	270	0	15.85				
100	QPSK	1	1	15.68				
100	QPSK	1	137	15.67			17.2	0.0
100	QPSK	1	271	15.68				
100	QPSK	135	0	15.62				
100	QPSK	135	69	15.68			17.2	0.0
100	QPSK	135	138	15.60				
100	QPSK	270	0	15.59			17.2	0.0
100	16QAM	1	1	15.68			17.2	0.0
100	16QAM	1	1	15.61			17.2	0.0
100	256QAM	1	1	15.31			17.2	0.0
Channel				64968	65000	65032	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	QPSK	1	1	15.55	15.58	15.66	17.2	0.0
Channel				64534	65000	65066	Tune-up limit	MPR
Frequency (MHz)				3749.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	15.53	15.60	15.82	17.2	0.0
Channel				64000	65000	65000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.54	15.73	15.77	17.2	0.0
Channel				64968	65000	65132	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	15.42	15.64	15.63	17.2	0.0
Channel				64334	65000	65166	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	15.07	15.73	15.71	17.2	0.0
Channel				64000	65000	65000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.56	15.56	15.72	17.2	0.0
Channel				64768	65000	65232	Tune-up limit	MPR
Frequency (MHz)				3715.09	3750	3784.98	(dBm)	(dB)
30	QPSK	1	1	15.55	15.60	15.68	17.2	0.0
Channel				64734	65000	65266	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	QPSK	1	1	15.84	15.58	15.68	17.2	0.0
Channel				64700	65000	65300	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	15.65	15.65	15.65	17.2	0.0



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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P/2 BPSK	1	1	15.58	15.58	15.58		
100	P/2 BPSK	1	137	15.47	15.47	15.47	17.2	0.0
100	P/2 BPSK	1	271	15.47	15.47	15.47		
100	P/2 BPSK	135	0	15.28	15.28	15.28	17.2	0.0
100	P/2 BPSK	135	69	15.27	15.27	15.27		
100	P/2 BPSK	135	138	15.25	15.25	15.25	17.2	0.0
100	P/2 BPSK	270	0	15.42	15.42	15.42		
100	QPSK	1	1	15.60	15.60	15.60		
100	QPSK	1	137	15.56	15.56	15.56	17.2	0.0
100	QPSK	1	271	15.53	15.53	15.53		
100	QPSK	135	0	15.38	15.38	15.38		
100	QPSK	135	69	15.49	15.49	15.49	17.2	0.0
100	QPSK	135	138	15.21	15.21	15.21		
100	QPSK	270	0	15.43	15.43	15.43	17.2	0.0
100	8QAM	1	1	15.37	15.37	15.37	17.2	0.0
100	8QAM	1	1	15.44	15.44	15.44	17.2	0.0
100	256QAM	1	1	15.30	15.30	15.30	17.2	0.0
Channel				633000	633332	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	15.42	15.42	15.53	17.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	15.33	15.44	15.60	17.2	0.0
Channel				632332	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	15.59	15.33	15.60	17.2	0.0
Channel				632000	633332	634668	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	15.52	15.33	15.57	17.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	15.54	15.43	15.43	17.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	15.54	15.52	15.50	17.2	0.0
Channel				631000	633332	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	15.42	15.50	15.55	17.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	15.45	15.50	15.45	17.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	15.59	15.36	15.55	17.2	0.0

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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)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	P/2 BPSK	1	1	15.58	15.58	15.58		
100	P/2 BPSK	1	137	15.47	15.47	15.47	17.2	0.0
100	P/2 BPSK	1	271	15.47	15.47	15.47		
100	P/2 BPSK	135	0	15.28	15.28	15.28	17.2	0.0
100	P/2 BPSK	135	69	15.27	15.27	15.27		
100	P/2 BPSK	135	138	15.25	15.25	15.25	17.2	0.0
100	P/2 BPSK	270	0	15.42	15.42	15.42		
100	QPSK	1	1	15.60	15.60	15.60		
100	QPSK	1	137	15.56	15.56	15.56	17.2	0.0
100	QPSK	1	271	15.53	15.53	15.53		
100	QPSK	135	0	15.38	15.38	15.38		
100	QPSK	135	69	15.49	15.49	15.49	17.2	0.0
100	QPSK	135	138	15.21	15.21	15.21		
100	QPSK	270	0	15.43	15.43	15.43	17.2	0.0
100	16QAM	1	1	15.37	15.37	15.37	17.2	0.0
100	64QAM	1	1	15.44	15.44	15.44	17.2	0.0
100	256QAM	1	1	15.30	15.30	15.30	17.2	0.0
Channel				633000	633332	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	QPSK	1	1	15.42	15.42	15.53	17.2	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3499.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	15.33	15.44	15.60	17.2	0.0
Channel				632332	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3495.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	15.59	15.33	15.60	17.2	0.0
Channel				632000	633332	634668	Tune-up limit	MPR
Frequency (MHz)				3490	3499.98	3519.99	(dBm)	(dB)
60	QPSK	1	1	15.52	15.33	15.57	17.2	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	QPSK	1	1	15.54	15.43	15.43	17.2	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	QPSK	1	1	15.54	15.52	15.50	17.2	0.0
Channel				631000	633332	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	QPSK	1	1	15.42	15.50	15.55	17.2	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	QPSK	1	1	15.45	15.50	15.45	17.2	0.0
Channel				630334	633332	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	15.59	15.36	15.55	17.2	0.0



Band 30_Ant 6									
Frequency	Bandwidth	ISL Size	ISL Offset	Power	Power	Power	Power	Power	Power
(MHz)	(MHz)	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
20.0	0.1								
20.1	0.1								
20.2	0.1								
20.3	0.1								
20.4	0.1								
20.5	0.1								
20.6	0.1								
20.7	0.1								
20.8	0.1								
20.9	0.1								
21.0	0.1								
21.1	0.1								
21.2	0.1								
21.3	0.1								
21.4	0.1								
21.5	0.1								
21.6	0.1								
21.7	0.1								
21.8	0.1								
21.9	0.1								
22.0	0.1								
22.1	0.1								
22.2	0.1								
22.3	0.1								
22.4	0.1								
22.5	0.1								
22.6	0.1								
22.7	0.1								
22.8	0.1								
22.9	0.1								
23.0	0.1								
23.1	0.1								
23.2	0.1								
23.3	0.1								
23.4	0.1								
23.5	0.1								
23.6	0.1								
23.7	0.1								
23.8	0.1								
23.9	0.1								
24.0	0.1								
24.1	0.1								
24.2	0.1								
24.3	0.1								
24.4	0.1								
24.5	0.1								
24.6	0.1								
24.7	0.1								
24.8	0.1								
24.9	0.1								
25.0	0.1								
25.1	0.1								
25.2	0.1								
25.3	0.1								
25.4	0.1								
25.5	0.1								
25.6	0.1								
25.7	0.1								
25.8	0.1								
25.9	0.1								
26.0	0.1								
26.1	0.1								
26.2	0.1								
26.3	0.1								
26.4	0.1								
26.5	0.1								
26.6	0.1								
26.7	0.1								
26.8	0.1								
26.9	0.1								
27.0	0.1								
27.1	0.1								
27.2	0.1								
27.3	0.1								
27.4	0.1								
27.5	0.1								
27.6	0.1								
27.7	0.1								
27.8	0.1								
27.9	0.1								
28.0	0.1								
28.1	0.1								
28.2	0.1								
28.3	0.1								
28.4	0.1								
28.5	0.1								
28.6	0.1								
28.7	0.1								
28.8	0.1								
28.9	0.1								
29.0	0.1								
29.1	0.1								
29.2	0.1								
29.3	0.1								
29.4	0.1								
29.5	0.1								
29.6	0.1								
29.7	0.1								
29.8	0.1								
29.9	0.1								
30.0	0.1								

Band 30_Ant 7									
Frequency	Bandwidth	ISL Size	ISL Offset	Power	Power	Power	Power	Power	Power
(MHz)	(MHz)	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
20.0	0.1								
20.1	0.1								
20.2	0.1								
20.3	0.1								
20.4	0.1								
20.5	0.1								
20.6	0.1								
20.7	0.1								
20.8	0.1								
20.9	0.1								
21.0	0.1								
21.1	0.1								
21.2	0.1								
21.3	0.1								
21.4	0.1								
21.5	0.1								
21.6	0.1								
21.7	0.1								
21.8	0.1								
21.9	0.1								
22.0	0.1								
22.1	0.1								
22.2	0.1								
22.3	0.1								
22.4	0.1								
22.5	0.1								
22.6	0.1								
22.7	0.1								
22.8	0.1								
22.9	0.1								
23.0	0.1								
23.1	0.1								
23.2	0.1								
23.3	0.1								
23.4	0.1								
23.5	0.1								
23.6	0.1								
23.7	0.1								
23.8	0.1								
23.9	0.1								
24.0	0.1								
24.1	0.1								
24.2	0.1								
24.3	0.1								
24.4	0.1								
24.5	0.1								
24.6	0.1								
24.7	0.1								
24.8	0.1								
24.9	0.1								
25.0	0.1								
25.1	0.1								
25.2	0.1								
25.3	0.1								
25.4	0.1								
25.5	0.1								
25.6	0.1								
25.7	0.1								
25.8	0.1								
25.9	0.1								
26.0	0.1								
26.1	0.1								
26.2	0.1								
26.3	0.1								
26.4	0.1								
26.5	0.1								
26.6	0.1								
26.7	0.1								
26.8	0.1								
26.9	0.1								
27.0	0.1								
27.1	0.1								
27.2	0.1								
27.3	0.1								
27.4	0.1								
27.5	0.1								
27.6	0.1								
27.7	0.1								
27.8	0.1								
27.9	0.1								
28.0	0.1								
28.1	0.1								
28.2	0.1								
28.3	0.1								
28.4	0.1								
28.5	0.1								
28.6	0.1								
28.7	0.1								
28.8	0.1								
28.9	0.1								
29.0	0.1								
29.1	0.1								
29.2	0.1								
29.3	0.1								
29.4	0.1								
29.5	0.1								
29.6	0.1								
29.7	0.1								
29.8	0.1								
29.9	0.1								
30.0	0.1								

Band 66_Ant 4									
Frequency	Bandwidth	ISL Size	ISL Offset	Power	Power	Power	Power	Power	Power
(MHz)	(MHz)	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
20.0	0.1								
20.1	0.1								
20.2	0.1								
20.3	0.1								
20.4	0.1								
20.5	0.1								
20.6	0.1								
20.7	0.1								
20.8	0.1								
20.9	0.1								
21.0	0.1								
21.1	0.1								
21.2	0.1								
21.3									